

# Roundup WeatherMAX

# HERBICIDE

# **Complete Directions for Use**

Herbicide for Roundup Ready® Crops
Selective broad-spectrum weed control in Roundup Ready® crops

Non-selective, broad-spectrum weed control for many agricultural systems and farmsteads

48.8%

51.2%



Specially formulated for Roundup Ready°crops

#### ACTIVE INGREDIENT:

\*Glyphosate, N-(phosphonomethyl) glycine, in the form of its potassium salt...... OTHER INGREDIENTS:

\*\*Contains 660 grams of the active ingredient glyphosate, in the form of its potassium salt, per liter or 5.5 pounds per U.S. gallon, which is equivalent to 540 grams of the acid, glyphosate, per liter or 4.5 pounds per U.S. gallon (39.8% by weight).

Keep out of reach of children

# CAUTION

Please refer to booklet for additional precautionary statements and directions for use.

Not all products listed on this label are registered for use in California. Check the registration status of each product in California before using.

THIS IS AN END-USE PRODUCT. BAYER CROPSCIENCE LP DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING.

FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT, CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937).

IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, 1-800-334-7577.

EPA Reg. No. 524-537

EPA Est. No. 524-IA-1

Packed For: BAYER CROPSCIENCE LP 800 N. LINDBERGH BLVD.

800 N. LINDBERGH BLVD. ST. LOUIS, MISSOURI, 63167 U.S.A.

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NET 2.5 GAL

NON-WOODY ROOTS OR FRUIT OF CROPS DESIRABLE PLANTS AND TREES EXCEPT AS DIRECTED FOR USE ON ROUNDUP READY® CROPS, AS SEVERE PLANT INJURY OR DESTRUCTION COULD RESULT. Read the entire label before using this product. Use only according to label directions. Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of this labeling before buying or using. If terms are not acceptable, return at once unopened. CONTENTS 1.0 2.0 3.0 3.1 3.2 3.3 4.0 PRODUCT INFORMATION ......2 5.0 WEED RESISTANCE MANAGEMENT.....2 6.0 61 6.2 Management of Glyphosate-Resistant Biotypes . . . . . . . . . 2 7.0 7.3 7.4 7.5 7.6 7.7 8.0 8.1 8.2 8.3 Handheld Sprayers. 5 Selective Application Equipment 5 8.4 8.5 8.6 8.7 Controlled Droplet Applicator (CDA) . . . . . . . . . . . . . 5 ANNUAL AND PERENNIAL CROPS......5 9.0 Cereal and Grain Crops . . . . . . . . . . . . . 6 9.1 9.2 Corn ...... 6 9.3 9.4 9.5 9.6 9.7 Soybean ...... 8 9.8 9.9 9.10 9.11 10.0 10.1 10.2 10.3 10.4 10.5 10.6 10.7 10.8 10.9 11.0 PASTURE GRASSES FORAGE LEGIMES AND RANGELAND 12 11.1 Conservation Reserve Program (CRP). 12 Grass Seed and Sod Production 12 11.2 11.3 11.4 11.5 12 12.0 12.1 12.2 12.3 TruFlex Roundup Ready Canola (Spring Varieties) . . . . . . . 15 12.4 12.5 Field Corn Hybrids with Roundup Ready 2 Technology. . . . 15 Sweet Corn Hybrids with Roundup Ready 2 Technology. . . 16 12.6

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to 540 grams of the acid, glyphosate, per liter or 4.5 pounds per U.S. gallon For a list of patents, if any, covering this product or its use, please go to www.monsantotechnology.com.

\*Contains 660 grams of the active ingredient glyphosate, in the form of its

potassium salt, per liter or 5.5 pounds per U.S. gallon, which is equivalent

#### 2.0 IMPORTANT PHONE NUMBERS

\*Glyphosate, N-(phosphonomethyl)glycine,

(39.8% by weight).

in the form of its potassium salt.....

OTHER INGREDIENTS:

- FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT. CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937)
- 2. IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, 1-800-334-7577

#### 3.0 PRECAUTIONARY STATEMENTS

#### 3.1 **Hazards to Humans and Domestic Animals**

# Keep out of reach of children

Causes moderate eve irritation Harmful if inhaled Avoid contact with eyes, skin, or clothing

20 minutes

Avoid breathing vapor or spray mist

	Remove contact lenses if present after the first 5 minutes then continue rinsing eye.      Call a poison control center or doctor for treatment advice.				
IF ON Skin or Clothing	Take off contaminated clothing.     Rinse skin immediately with plenty of water for 15 tr 20 minutes.     Call a poisson control center or doctor for treatment advice.				
IF Inhaled	Move person to fresh air.     If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.				

FIRST AID

Hold eve open and rinse slowly and gently with water for 15 to

- . Have the product container or labeling with you when calling a poison control center or doctor, or going for treatment.
- You can also call 1-800-334-7577, collect, day or night, for emergency medical treatment information.
- This product is identified as Roundup WeatherMAX Herbicide, EPA Registration No. 524-537.

DOMESTIC ANIMALS: This product is considered to be relatively nontoxid to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation could 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)

Some of the materials that are chemical-resistant to this product are listed below.

Mixers, Loaders, Other Handlers and Applicators, when handling this concentrated product or its application solutions of 30 percent concentration or greater, must wear: long-sleeved shirt and long pants. socks and shoes, and chemical-resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride.

Applicators, when handling only spray solutions where concentration is 30 percent of this product or less, must wear: long-sleeved shirt and long pants, socks and shoes.

Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). If there are no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

#### **User Safety Recommendations**

Users should-

48.8%

51.2%

100.0%

- . 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 wash waters and rinsate

#### 3.3 **Physical or Chemical Hazards**

Spray solutions of this product may be mixed, stored and applied using stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX. STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR LINLINED 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 can form a highly combustible gas mixture. This gas mixture could flash or explode if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source and cause serious personal injury.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product may only be used in accordance with the Directions for Use on this label or on separately published supplemental labeling. Supplemental labeling for this product can be obtained from your Authorized Bayer CropScience LP Representative.

Do not apply this product in a way that will contact workers or other persons. either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe. consult the agency responsible for pesticide regulation.

#### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry 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, shoes plus socks, and chemical-resistant gloves made of any waterproof material.

#### 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.

## 4.0 STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination. See individual container label for additional storage conditions, if any.

PESTICIDE DISPOSAL: To avoid wastes, use all material in the container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

CONTAINER HANDLING AND DISPOSAL: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in this container. Contact your state regulatory agency to determine allowable practices in your state.

Triple rinse or pressure rinse (or equivalent) this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or mix-tank and continue to drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix-tank, or store rinsate for later use or disposal. Continue to drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix-tank and continue to drain for 10 seconds after the flow begins to drip. Place container so that it can drain directly into application equipment or mix-tank while rinsing, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle into the side of the container and rinse at about 40 PSI for at least 30 seconds. Continue to drain for 10 seconds after the flow begins to drip.

Once properly rinsed, some plastic pesticide containers can be taken to a container collection site or picked up for recycling.

To find the nearest collection site, contact your chemical dealer or Bayer CropScience LP at 1-866-99BAYER (1-866-992-2937).

If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

### 5.0 PRODUCT INFORMATION

Product Description: This product is a postemergence, systemic herbicide with no soil residual activity. It is generally non-selective and gives broad-spectrum control of many annual and perennial weeds, woody brush, trees and vines. It is formulated as a water-soluble liquid containing surfactant and may be applied using standard and specialized pesticide application equipment after dilution and thorough mixing with water or other carrier according to label directions.

Do not add surfactants, additives containing surfactants, buffering agents or pH adjusting agents to the spray solution when **Roundup WeatherMAX Herbicide** is the only pesticide being applied unless otherwise directed. See the "MIXING" section of this label for instructions regarding other additives.

**Mechanism of Action:** The active ingredient in this product inhibits an enzyme found only in plants and microorganisms that is essential to the formation of specific amino acids.

No Soil Activity: This product binds tightly to soil particles and does not provide residual weed control. Weeds must be emerged at the time of application to be controlled by foliar application of this product. Weed seeds in the soil will not be affected by this product and will continue to germinate. Unattached plant rhizomes and rootstocks beneath the soil surface will also not be affected by this product.

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

Stage of Weeds: Annual weeds are easiest to control when they are small. Enhanced control of most perennial weeds is obtained when this product is applied at late growth stages approaching maturity. Refer to the "ANNUAL WEEDS RATE SECTION," "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" for more information on the control of specific weeds.

Cultural Considerations: Reduced weed control could result when this product is applied to annual or perennial weeds that have been mowed, grazed or cut, and have not been allowed to re-grow prior to application. Always use a higher product application rate within the given range when weed growth is heavy or dense, or when weeds are growing in an undisturbed (non-cultivated) area. Reduced weed control could also result when this product is applied to weeds that show signs of disease or insect damage, are covered with dust, or are surviving under poor growing conditions.

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

Rainfastness: Rainfall within 4 hours of application could wash this product off of the foliage and a second application might then be needed for acceptable weed control. Refer to specific use sections of this label for additional information on the minimum intervals required before re-application of this product.

Time to Symptoms: This product moves through the plant from the point of foliage contact to and into the root system. Visible effects are a gradual willting and yellowing of the plant that advances to complete browning of aboveground growth and deterioration of underground plant parts. Effects are visible on most annual weeds within 2 to 4 days, but on most perennial weeds, effects might not be visible for 7 or more days after application. Extremely cool or cloudy weather following application could slow activity of this product and delay development of visual symptoms.

Maximum Application Rates: The maximum application or use rates stated throughout this label are given in units of volume (fluid ounces or quarts) of this product per acre. However, the maximum allowable application rates apply to this product combined with the use of any and all other herbicides containing the active ingredient glyphosate, whether applied separately or in a tank mixture, on a basis of total pounds of glyphosate (acid equivalents) per acre. If more than one glyphosate-containing product is applied to the same site within the same year, you must ensure that the total use of glyphosate (pounds acid equivalents) does not exceed the maximum allowed. See the "MOREDIENTS" section of this label for necessary product information.

Unless otherwise specified on this label, the combined total application of this product on a site must not exceed 5.3 quarts (6 pounds of glyphosate acid) per acre per year. For applications on non-crop sites, or on tree, vine or shrub crop production sites, the combined total application of this product must not exceed 7 quarts (8 pounds of glyphosate acid) per acre per year.

NOTE: Use of this product in any manner not consistent with this label could result in injury to persons, animals or crops, or have other unintended consequences.

## G.O WEED RESISTANCE MANAGEMENT

GROUP 9 HERBICIDE

Glyphosate, the active ingredient in this product, is a Group 9 herbicide based on the mechanism of action classification system of the Weed Science Society of America. Any weed population can contain plants that are naturally resistant to Group 9 herbicides. Weeds resistant to Group 9 herbicides can be effectively managed by using another herbicide from a different Group (either alone or in a mixture according to label directions), by using other cultural or mechanical methods of weed control, or a combination of the two, Consult your local company representative, state cooperative extension agent, professional consultant or other qualified authority to determine appropriate actions for controlling specific resistant weeds.

## 3.1 Weed Management Practices

Resistant populations arise when rare individual plants are uncontrolled by a normal dose of a given herbicide under normal environmental conditions; In the absence of other control measures these individuals survive, produce seed, and eventually become the dominant biotype in the field through continuous selection. The best means of reducing this selection is to use diverse weed control practices such as multiple herbicides with different mechanisms of action, and often in combination with various mechanical and cultural practices.

To minimize the occurrence of herbicide-resistant biotypes, including those resistant to glyphosate, implement the following weed management practica poptions that are practical to your situation. These management practices are applicable to reduce the spread of confirmed resistant biotypes (managing existing resistant biotypes) and to reduce the potential for selecting for resistance in new species (proactive resistance management).

- Use a diversified approach toward weed management focused on preventing weed seed production and reducing the number of weed seeds in the soil.
- Plant crops into fields that are as weed-free as possible and then keep them
  as weed-free as possible.
- . Plant crop seed that is as weed-free as possible.
- · Scout fields routinely, before and after herbicide application.
- Use multiple herbicide mechanisms of action that are effective against the most troublesome weeds in your field and against those with known resistance.
- Apply herbicides at application rates listed on the label when weeds are within the size range indicated on the label.
- Emphasize cultural practices that suppress weeds by using crop competitiveness.
- Use mechanical and biological weed management practices where appropriate.
- Prevent field-to-field and within-field movement of weed seed or vegetative propagules.
   Manage weed seed at harvest and after baryest to prevent a buildup of the
- Manage weed seed at harvest and after harvest to prevent a buildup of the weed seedbank.

## 6.2 Management of Glyphosate-Resistant Biotypes

Appropriate testing is needed to determine if a weed is resistant to glyphosate. Call 1-866-99BAYER (1-866-992-2937) or contact your Bayer CropScience LP representative to determine if resistance in any particular weed biotype has been confirmed in your area, or visit on the Internet at www.weedresistancemanagement.com or www.weedscience.org.

Glyphosate-resistant weeds can be controlled or managed by applying this product in combination with residual preemergence herbicides and/or other postemergence herbicides labeled for control of the targeted weed in the crop being grown. For more information, see the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label.

Since the occurrence of resistant weeds is difficult to detect prior to use, Bayer CropScience LP accepts no liability for any losses that result from the failure of this product to control resistant weeds.

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#### 7.0 MIXING

Spray solutions of this product may be mixed, stored and applied using clean stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS.

Eliminate any risk of siphoning the contents of the tank back into the carrier source while mixing. Use approved anti-back-siphoning devices where required by State or local regulations.

A 50-mesh nozzle screen or line strainer on the spray equipment is adequate.

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

## 7.1 Mixing with Water

PERFORMANCE OF THIS PRODUCT CAN BE SIGNIFICANTLY REDUCED IF WATER CONTAINING SOIL SEDIMENT IS USED AS CARRIER. DO NOT MIX THIS PRODUCT WITH WATER FROM PONDS OR DITCHES THAT IS VISIBLY MILIDDY OR MILIRKY.

This product mixes readily with water. Mix spray solutions of this product as follows. Begin filling the mixing tank or spray tank with clean water. Add the required amount of this product near the end of the filling process and mix gently. Foaming of the spray solution can occur during mixing. To prevent or minimize foaming, mix gently, terminate bypass and return lines at the bottom of the tank, and, if necessary, add an appropriate anti-foam or defoaming agent to the spray solution.

### 7.2 Tank Mixtures

This product does not provide residual weed control. This product may be tank-mixed with other herbicides to provide residual weed control in the soil, a broader weed control spectrum, or an alternate mechanism of action.

Some tank-mix products have the potential to cause crop injury under certain conditions, at certain growth stages and/or under other circumstances. Read the label of all products to be used in the tank mixture prior to use to determine the potential for crop injury.

Fank mixtures with other herbicides, insecticides, fungicides, micronutrients or foliar fertilizers could result in reduced weed control or crop julyu. Bayer CropScience LP has not tested all tank-mix product formulations for compatibility, antagonism or reduction in product performance. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly specified on this label, or on separate supplemental labeling or Fact Sheets published for this product.

When a tank-mix with a generic active ingredient, such as 2,4-D, atrazine, dicamba, diuron, pendimethalin, or any other product or material, is listed pin this label, the user is responsible for ensuring that the specific application being made is included on the label of the product used in the mix.

Refer to all individual product labels, supplemental labeling and Fact Sheets for all products in the tank mixture, and observe all precautions and limitations on the label, including any application timing restrictions, soil restrictions, minimum re-cropping intervals and/or crop rotation restrictions. Use according to the most restrictive precautionary statements for each product in the tank mixture.

For enhanced results, apply tank mixtures with this product at a minimum spray volume rate of 10 gallons per acre.

## 7.3 Tank-Mixing Procedure

Always predetermine the compatibility of all tank-mix products together in the carrier by mixing small proportional quantities in advance.

Mix only the quantity of spray solution that will be applied that day. Application of tank-mix solutions that are allowed to stand overnight could result in reduced weed control. Prepare tank mixtures of this product as follows:

- Place a 20- to 35-mesh screen or wetting basket over the filling port of the tank.
   Through the screen, fill the tank one-half full with water and start gentle.
- If ammonium sulfate is to be used, add it slowly through the screen into the tank and continue adding water into the tank through the screen. If dry ammonium sulfate is being used, ensure that it is completely dissolved in the tank before adding other products.
- If a wettable powder is used, prepare a slurry of it with water and add it SLOWLY through the screen into the tank while continuing gentle agitation.
- If a flowable formulation is used, premix one part flowable with one part water and add the diluted mixture SLOWLY through the screen into the tank while continuing gentle agitation.
- willing continuing genue agradion:

  6. If an emulsifiable concentrate formulation is used, premix one part
  emulsifiable concentrate with two parts water and add the diluted mixture
  \$10 WIY through the screen into the tank while continuing gentle agritation.
- SLOWLY through the screen into the tank while continuing gentle agitation.

  7. Continue filling the tank with water through the screen and add the required amount of this product near the end of the filling process.
- Add individual tank-mix components to the tank as follows: wettable powders, flowables, emulsifiable concentrates, drift reduction additives, water soluble liquids (this product).

Maintain gentle agitation at all times until the contents of the tank are sprayed out. If the spray mixture is allowed to settle, agitate thoroughly to resuspend the mixture before resuming application.

Keep by-pass and return lines on or near the bottom of the tank to minimize foaming.

A 50-mesh nozzle screen or line strainer on the spray equipment is adequate.

## 7.4 Mixing Spray Solution Concentrations

All reference throughout this label to concentration of this product in a spray solution is on a percentage-of-volume basis.

Prepare the desired volume of spray solution at a given concentration by mixing the amount of this product indicated in the following table with water.

Desired Volume of Spray		Amount of ROUNDUP WEATHERMAX HERBICIDE to Achieve Indicated Concentration in Spray Solution (percent by volume)					
Solution	0.4%	0.7%	1%	1.5%	4%	7%	
1 gallon	0.5 fl oz	1 fl oz	1.3 fl oz	2 fl oz	5 fl oz	9 fl oz	
25 gallons	13 fl oz	22 fl oz	1 qt	1.5 qts	4 qts	7 qts	
100 gallons	1.6 qts	2.8 qts	1 gal	1.5 gals	4 gals	7 gals	

2 tablespoons = 1 fluid ounce (fl oz)

For filling backpack and pump-up sprayers, consider mixing the appropriate amount of this product with water in a larger container and then filling the sprayer from the larger container.

## 7.5 Ammonium Sulfate

Unless otherwise directed, the addition of 1 to 2 percent dry ammonium sulfate by weight (8.5 to 17 pounds per 100 gallons of water), could increase the performance of this product on annual and perennial weeds, particularly under hard water conditions, drought conditions or when tank-mixed with certain residual herbicides. An equivalent amount of a liquid formulation of ammonium sulfate is completely dissolved in the spray tank before adding herbicides. Thoroughly rinse the spray system with clean water promptly after use to reduce corrosion.

When using ammonium sulfate, apply this product at rates directed on this label; lower application rates will result in reduced performance.

## 7.6 Colorants and Dyes

Colorants and marking dyes may be added to spray solutions of this product; however, they can reduce the performance of this product. Use colorants and dyes according to the manufacturer's directions.

#### .7 Drift Reduction Additives

Drift reduction additives may be used with all equipment types, except wiper applicators, sponge bars and controlled droplet applicators (CDA). When a drift reduction additive is used, read and follow all precautions, limitations and all other information on the product label. Use of drift reduction additives can affect spray coverage, which could reduce the performance of this product.

## 2.0 APPLICATION EQUIPMENT AND TECHNIQUES

This product may be applied with the following application equipment:

Aerial Application Equipment—fixed-wing and helicopter

Ground Application Equipment—boom or boomless systems, pull-type sprayers, floaters, pick-up sprayers, spray coupes and other ground broadcast application equipment

Handheld Sprayers—backpack sprayers, pump-up pressure sprayers, handguns, handwands, mistblowers\*, lances and other handheld 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 Application Equipment—shielded and hooded sprayers, wiper

applicator, sponge bar

Injection Systems—aerial or ground injection sprayers

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

Injection systems—aerial or ground injection sprayers

Controlled Droplet Applicator (CDA)—handheld or boom-mounted

applicators that produce a spray consisting of a narrow range of droplet sizes

APPLY THIS PRODUCT USING PROPERLY MAINTAINED AND CALIBRATED

EQUIPMENT CAPABLE OF ACCURATELY DELIVERING DESIRED VOLUMES.

## **Q.1** Spray Drift Management

AVOID CONTACT OF THIS HERRICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES; EXCEPT AS DIRECTED FOR USE ON ROUNDUP READY® CROPS, AS SEVERE PLANT INJURY OR DESTRUCTION COULD RESULT.

Do not allow the herbicide solution to mist, drip, drift, or splash onto desirable vegetation, as small quantities of this product can cause severe damage or destruction to the crop, plants or other vegetation on which application was not intended.

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

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and grower are responsible for considering all these factors when making decisions regarding the application of this product.

The likelihood of injury occurring as the result of spray drift while applying 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 generation of fine particles (mist) that are likely to drift.

TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFERS MUST BE MAINTAINED.

AVOID APPLYING THIS PRODUCT AT EXCESSIVE SPEED OR SPRAYER PRESSURE.

## 8.2 Aerial Application Equipment

Unless otherwise prohibited, all applications of this product described on this label may be made using aerial application equipment where appropriate, provided that the applicator complies with the precautions and restrictions specified on this label or on separate supplemental labeling published for this product.

DO NOT APPLY THIS PRODUCT USING AERIAL APPLICATION EQUIPMENT
EXCEPT UNDER CONDITIONS SPECIFIED ON THIS LABEL OR ON SEPARATELY
PUBLISHED SUPPLEMENTAL LABELING FOR THIS PRODUCT.

FOR SPECIFIC USE INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS RELATED TO THE AERIAL APPLICATION OF THIS PRODUCT IN ARKANSAS AND

CALIFORNIA, OR SPECIFIC COUNTIES THEREIN, REFER TO THE LIMITATIONS ON AERIAL APPLICATION IN THAT STATE OR COUNTY PRESENTED IN THIS SECTION. Unless otherwise directed, the maximum single application rate of this

Unless otherwise directed, the maximum single application rate of this product is 44 fluid ounces per acre when using aerial application equipment. Apply this product at the appropriate rate in 3 to 15 gallons of water per acre unless otherwise directed on this label or on separate supplemental labeling for this product. Refer to the individual use sections of this label for application rates, spray volumes and additional directions for use.

Drift control reduction additives may be used.

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

#### 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 COULD RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR IS MOST SUSCEPTIBLE. The maintenance of an organic coating (paint) that meets aerospace specification MIL-C-38413 can help brevent corrosion.

#### AERIAL SPRAY DRIFT MANAGEMENT

The following drift management requirements must be followed to minimize pff-target drift movement during aerial application.

- The distance of the outermost nozzles on the boom must not exceed 3/4 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 followed.

#### 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 the application is made improperly or under unfavorable environmental conditions, such as in windy, high temperature with low humidity, and/or inversion conditions as described below.

#### 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: Operate at a sprayer pressure towards the lower end of the range listed 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 the 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 air stream, 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 could further reduce drift without reducing swath width.
- Application height: Application must be made at a height of 10 feet or less above the top of the largest plants, unless a greater height is required for aircraft safety. Making the application at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

#### Swath Adjustment

When an application is made with a crosswind present, the swath will be displaced downwind. Therefore, on the upwind and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Increase the swath adjustment distance with increasing drift potential (higher wind, smaller droplets, etc.).

#### Win

Drift potential is lowest at wind speeds of between 2 and 10 miles per hour. However, many factors, including droplet size and equipment type, determine drift potential at any given wind speed. Avoid application when wind speeds are 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 an application in low relative humidity, set application equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

#### Temperature Inversion

Do not apply this product during a temperature inversion as drift potential is high under these conditions. Temperature inversions restrict vertical air mixing, which causes small droplets to remain suspended 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

Apply this product only 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 a sensitive area).

Avoid direct application to any body of water.

State Specific Limitations on Aerial Application

## LIMITATIONS ON AERIAL APPLICATION IN CALIFORNIA ONLY

DO NOT apply this product using aerial application equipment in residential areas.

AVOID DRIFT — DO NOT APPLY WHEN WINDS ARE GUSTY OR UNDER ANY
OTHER CONDITION THAT FAVORS DRIFT. DRIFT OF THIS PRODUCT ONTO
ANY VEGETATION TO WHICH APPLICATION WAS NOT INTENDED CAN CAUSE
DAMAGE. TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, USE
PROPER AERIAL APPLICATION EQUIPMENT FITTED WITH APPROPRIATE
NOZZLES AND MAINTAIN ADEQUATE BUFFERS.

Follow the directions below when making an aerial application near non-target crops, desirable annual vegetation, or desirable perennial vegetation after bud break and before total leaf drop.

- 1. Do not apply this product within 100 feet of all desirable vegetation or
- If winds are blowing up to 5 miles per hour TOWARD desirable vegetation or non-target crops, do not apply this product within 500 feet of the desirable vegetation or crops.
- If winds are blowing between 5 and 10 miles per hour TOWARD desirable vegetation or non-target crops, a buffer zone greater than 500 feet might be needed to protect the desirable vegetation or crops.
- 4. Do not apply this product using aerial application equipment when winds are blowing in excess of 10 miles per hour.
- Do not apply this product using aerial application equipment when inversion conditions exist.

When tank-mixing this product with 2,4-D, only 2,4-D amine formulations may be applied in California using aerial application equipment. Tank mixtures of this product with 2,4-D amine formulations may be applied by air in California on fallow fields and in reduced tillage systems, and for alfalfa and pasture renovation applications only.

This product, when tank-mixed with dicamba, may not be applied by air in California.

# ADDITIONAL LIMITATIONS ON AERIAL APPLICATION IN FRESNO COUNTY, CALIFORNIA ONLY

Always read and follow the label directions and precautionary statements for all products used in the aerial application.

The following information applies only from February 15 through March 31 within the following boundaries of Fresno County, California: North: Fresno County line

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

Observe the following directions to minimize off-site movement during aerial application of this product. Minimization of off-site movement is the responsibility of the grower, Pest Control Advisor and aerial applicator.

#### Written Directions

Written directions MUST be submitted by or on behalf of the applicator to the Fresno County Agricultural Commissioner 24 hours prior to the application. These written directions MUST state the proximity of surrounding crops and that conditions of each manufacturer's product label and this label have been satisfied.

#### Aerial Applicator Training and Equipment

Aerial application of this product 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 spray 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-inis 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 additional information on the proper aerial application of this product in Fresno County, call 1-866-99BAYER (1-866-992-2937).

#### LIMITATIONS ON AERIAL APPLICATION IN ARKANSAS ONLY

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.

Apply this product at the appropriate rate 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. Coarse droplets in the 300 to 500 (VMD) micron range have a lower drift potential.

Applications are typically to 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 percent of the length of the wingspan or rotor. In many cases, reducing this distance to 65 percent 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 airflow 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 can occur when wind speeds are less than 2 miles per hour.

Follow the directions below when an aerial application is made near

- non-target crops or other desirable vegetation: 1. Do not apply this product within 100 feet of non-target crops or any
- 2. If winds are blowing up to 5 miles per hour TOWARD non-target crops or desirable vegetation, do not apply this product within 500 feet upwind of the crop or desirable vegetation.
- If winds are blowing between 5 and 10 miles per hour TOWARD non-target crops or desirable vegetation, a buffer zone greater than 500 feet might be needed to protect the crop or desirable vegetation.

## **Ground Application Equipment**

desirable vegetation.

Apply this product at the appropriate rate as specified on this label in 3 to 40 gallons of water per acre when making a broadcast application using ground application equipment, unless otherwise directed on this label or on separate supplemental labeling or Fact Sheets published for this product. As the weed density increases, increase the spray volume towards the upper end of this range to ensure complete coverage. Use nozzles that will avoid generating a fine mist. For enhanced results with ground application equipment, use flat-fan nozzles. Check spray pattern for uniform distribution of spray droplets.

#### 8.4 **Handheld Sprayers**

When using a handheld sprayer, apply spray solutions of this product uniformly and completely to the foliage of target weeds using a coarse droplet spectrum and a spray-to-wet technique: do not spray to the point of runoff. For the appropriate concentration of this product in the spray solution and timing of application to control specific weeds, woody brush, trees and vines, refer to the "ANNUAL WEEDS RATE SECTION," "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label.

Spot treatment application of this product for weed control in a cropping system using a handheld sprayer may be made only when specifically directed on this label or on separate supplemental labeling for this product. The crop sprayed with this product will be killed along with the weeds. Take care not to spray or allow spray to drift outside the target area in order to avoid unwanted crop destruction.

#### $\mathbf{R}.5$ Selective Application Equipment

Selective application equipment allows this product to be applied to weeds growing near the crop or other desirable vegetation without killing the desirable vegetation. Selective application equipment must be capable of preventing all contact of the herbicide solution with the crop or other desirable vegetation and operated without spray mist escape, leakage, or dripping of the herbicide solution

AVOID CONTACT OF THIS HERBICIDE WITH DESIRABLE VEGETATION. Contact of this product with desirable vegetation could result in unwanted plant damage or destruction. To the extent consistent with applicable law, such damage shall be the sole responsibility of the applicator.

#### Shielded and Hooded Sprayers

A shielded sprayer directs the herbicide solution to the target weeds while protecting the crop or other desirable vegetation from being contacted by the herbicide spray with an impervious material or shield. Use nozzles that provide uniform coverage within the application area. Keep shields properly adjusted to protect desirable vegetation.

A hooded sprayer is a type of shielded sprayer where the spray pattern is fully enclosed, including the top, sides, front and back, thereby shielding the crop or other desirable vegetation from the spray solution.

This product may be diluted in water and applied using a shielded or hooded sprayer to weeds listed on this label growing on any non-crop site described bn this label and in between rows of plants (row middles) in any cropping system listed on this label

Properly adjust the hood to protect desirable vegetation. Ensure that the hood is capable of completely enclosing the spray pattern. If necessary when applying around crops grown on raised beds, extend the front and rear flaps of the hooded sprayer downward to reach the ground in deep furrows.

A hooded sprayer must be configured and operated in a manner that minimizes bouncing and avoids raising the hood up off the ground surface at any time. If the hood is raised, spray particles can escape and come into contact with the crop, causing damage to or destruction of the crop or other desirable vegetation. Avoid operating this equipment on rough or sloping terrain where the spray hood is likely to rise up off the ground surface.

Use hoods designed to minimize excessive dripping or runoff down the inside of the hood, such as 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, with a spray volume of 20 to 30 gallons per acre.

The following procedures will help reduce the potential for crop injury when

- using a hooded sprayer: . Operate the sprayer with the hood on the ground or skimming across the
- . Leave at least an 8-inch untreated strip over the drill row. (For example, if the crop row width is 38 inches, make the maximum width of the spray hood 30 inches.)
- . Operate at a ground speed of no greater than 5 miles per hour to minimize bouncing of the hooded sprayer.
- . Apply when wind speed is 10 miles per hour or less.
- . Use low-drift nozzles that provide uniform coverage within the application

Injury to a crop or other desirable vegetation can occur when application is made to foliage of weeds that come into direct contact with the crop or desirable vegetation. Do not apply this product when leaves of desirable vegetation are growing in direct contact with weeds. Droplets, mist, foam or splatter of the herbicide solution settling onto desirable vegetation can result in discoloration, stunting or destruction.

#### Wiper Applicator

ground surface

A wiper applicator is a device that physically wipes this product or solutions of this product directly onto the target weed or cut stump. Any handheld device that is capable of physically wiping this product or solutions of this product directly onto the target weed or cut stump, such as a paint brush.

A mechanical wiper applicator, such as a rope wick or sponge bar that can be driven through a field over the top of a crop or other desirable vegetation to control weeds that are taller than the desirable vegetation, must be designed, maintained and operated to prevent the herbicide solution from contacting desirable vegetation.

Wiper applicators may be used over the top of food or feed crops ONLY if specifically permitted for use over that crop by this label or by separately published supplemental labeling for this product.

When using a mechanical wiper applicator, adjust the height of the applicator to ensure adequate contact with weeds and so that the winer contact point is a minimum of 2 inches above the desirable vegetation. Enhanced results can be obtained when more of the weed is exposed to the herbicide solution and weeds are a minimum of 6 inches above the desirable vegetation. Weeds that do not come into contact with the herbicide solution will not be affected. Poor contact can occur when weeds are growing in dense clumps, when operating in an area of severe weed infestation, or when weed height varies dramatically. In these situations, more than one application of this product might be necessary.

Operate wiper applicators at a ground speed of no greater than 5 miles per hour. Performance in areas of heavy weed infestation can be improved by reducing speed, which will provide more time for re-saturation of the wiper with the herbicide solution and more contact time of the wiper with the weed. Enhanced results with a wiper applicator can be obtained when two applications are made traveling in opposite directions in the field.

Keep wiper surfaces clean.

Droplets, mist, foam or splatter of the herbicide solution settling onto desirable vegetation can result in discoloration, stunting or destruction, Avoid leakage or dripping onto desirable vegetation. Be aware that on sloping ground the herbicide solution can migrate to one side, causing dripping on the lower end and drying of the wiper on the upper end of the applicator.

Do not apply this product using a wiper applicator when weeds are wet.

Do not add surfactant to the herbicide solution when using a wiper applicator. \_\_\_\_\_5\_\_\_\_

For Rope and Sponge Wick Applicators—use solutions ranging from 33 to 75 percent of this product in water.

For Panel Applicators—use solutions ranging from 33 to 100 percent (undiluted) of this product in water.

Mix only the amount of this product that will be used during a 1-day period. as reduced product performance can result from the use of solutions held

Clean winer parts promptly after using this product by thoroughly flushing with water.

#### Injection Systems **Q**.6

This product may be used in aerial and ground injection spray systems as a liquid concentrate or diluted prior to injecting into the spray stream. Do not mix this concentrated product with the undiluted concentrate of other products for use in injection systems, unless otherwise directed.

## Controlled Droplet Applicator (CDA)

The amount of this product applied per acre using a controlled droplet applicator (CDA) must be no less than the rate specified on this label for application using conventional broadcast application equipment.

A controlled droplet applicator produces a spray pattern that is not easily visible. Use extreme care to avoid spray or drift from contacting the foliage or any other green tissue of desirable vegetation, as plant damage or destruction could result.

#### 9.0 ANNUAL AND PERENNIAL CROPS

THIS SECTION PROVIDES DIRECTIONS FOR USE OF THIS PRODUCT THAT APPLY TO ALL CROPS LISTED IN THE FOLLOWING SECTIONS. SEE THE INDIVIDUAL CROP SECTIONS FOR SPECIFIC USE INSTRUCTIONS, PREHARVEST INTERVALS. AND ADDITIONAL PRECAUTIONS AND RESTRICTIONS.

See the "ROUNDUP READY CROPS" section of this label or separately published supplemental labeling for this product for directions for use in Roundup Ready

TYPES OF APPLICATION: Chemical Fallow; Preplant Fallow Beds; Preplant At-Planting: Preemergence: Hooded Sprayer in Row Middles: Shielded Sprayer in Row Middles; Wiper Applicator in Row Middles; Post-Harvest USE INSTRUCTIONS: This product may be applied during fallow intervals

preceding planting, prior to planting or transplanting, at-planting, or preemergence to annual and perennial crops listed on this label, except where specifically limited. For any crop not listed on this label, application must be made a minimum of 30 days prior to planting. Unless otherwise directed, apply this product according to the rates listed in the "ANNUAL WEEDS RATE SECTION." "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label. Application rates specified on this label for hard-to-control weeds, or those specified on separate supplemental labeling for this product, supersede the rates in the "ANNUAL WEEDS RATE SECTION, "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label. Additional information on hard-to-control weeds can be found on Fact Sheets published for this product.

Application of this product may be repeated as needed up to a maximum of 5.3 quarts per acre per year. Refer to specific use sections of this label for additional information on minimum intervals required before re-application of this product.

Hooded sprayers and wiper applicators capable of preventing all contact of the herbicide solution with the crop may be used in mulched or unmulched row middles after crop establishment. Wiper applicators may be used over the top of crops to control tall weeds only when specifically directed in the individual crop sections that follow. Crop injury is possible with these methods of application. Refer to the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for information regarding the potential for crop injury using selective application equipment.

Spot treatment application of this product for weed control in a cropping system may be made only when specifically directed in the individual crop sections that follow

Unless otherwise prohibited, all applications of this product described in the sections that follow may be made using aerial application equipment where appropriate, provided that the applicator complies with the precautions and restrictions specified on this label and on all supplemental labeling published for

this product. Refer to the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for information on aerial application and procedures for avoiding

Use of appropriate buffers will help prevent injury to adjacent vegetation. TANK MIXTURES: This product may be tank-mixed with other herbicides to provide residual weed control, a broader weed control spectrum or an alternate mechanism of action. Always read and follow label directions for all products in the tank mixture. Use all products according to rates and timing specified on the label. Some tank-mix products have the potential to cause crop injury. Read the label of all products in the tank mixture prior to use to determine the potential

spray drift that could cause injury to any vegetation not intended for application.

for crop injury. Always predetermine the compatibility of tank-mix products together in the carrier by mixing small proportional quantities in advance. Mixing

other products with this herbicide in the spray tank can cause incompatibility. antagonism, or a reduction in the efficacy of this product. Bayer CropScience LP has not tested all product formulations for compatibility or performance in a tank-mix with this product. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with

the use or handling of mixtures of this product with herbicides or other materials that are not specifically identified on this label or on separate supplemental labeling or Fact Sheets for this product. See the "MIXING" section of this label for more information on tank mixtures. PRECAUTIONS: Avoid contact of this herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops, as severe crop injury or destruction could result. Transplant seedlings coming into contact with weeds that are still wet with a spray

solution of this product could result in significant crop injury. When making breemergence applications, application must be made before crop emergence to avoid severe crop injury. Broadcast application of this product at emergence will result in injury or death of emerged seedlings. Apply before seed germination in coarse sandy soils to further minimize the risk of crop injury. In crops where spot treatment is allowed, the crop sprayed with this product will be killed along with

the weeds. Take care not to spray or allow spray to drift outside the target area in order to avoid unwanted crop destruction. See the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for additional information. Preharvest application on crops grown for seed could result in a reduction in germination or vigor. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on any crop grown for seed. RESTRICTIONS: Observe the maximum application rates stated throughout this

label. Maximum application rates apply to the use of this product combined with the use of any and all other herbicides containing glyphosate as the active ingredient, whether applied separately or as mixtures. Calculate the application rates (glyphosate acid equivalents) and ensure that the total use of this and other glyphosate-containing products does not exceed the stated maximum rate. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

Unless otherwise directed on this label, application using selective equipment, including wiper applicators and hooded sprayers, must be made a minimum of 14 days prior to harvest. In crops where spot treatment is allowed, do not apply this product to more than 10 percent of the total field to be harvested. unless otherwise directed. Post-harvest and fallow applications must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

Do not harvest or feed vegetation from an area for 8 weeks following broadcast postemergence application, unless otherwise directed.

When applying this product as a tank mixture with one or more products, refer to each individual tank-mix product label for restrictions and apply the mixture in accordance with the most restrictive statements for each product in the tank.

## Cereal and Grain Crops

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

TYPES OF APPLICATION: Those listed in Section 9.0, plus Red Rice Control Prior to Planting Rice; Spot Treatment (except rice); Control of Barnyardgrass in Rice Using Renovation Treatment (California only); Wiper Applicator (feed barley and wheat only); Preharvest (feed barley and wheat only)

## Preplant, At-Planting, Preemergence

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

#### **Red Rice Control Prior to Planting Rice**

USE INSTRUCTIONS: Flush fields prior to application to obtain uniform germination and stand of red rice and then apply 32 fluid ounces of this product in 5 to 10 gallons of water per acre when the majority of the red rice plants are at the 2-leaf stage and no more than 4 inches tall. Red rice plants with less than 2 true leaves might only be partially controlled. Avoid spraying during conditions of low humidity, as reduced control of red rice could result.

RESTRICTIONS: Do not apply this product to rice fields or levees when fields contain floodwater. Do not flood fields for a minimum of 8 days following

#### Spot Treatment (Except Rice)

USE INSTRUCTIONS: This product may be applied as a spot treatment in cereal crops, except rice. Apply before heading in small grains. RESTRICTIONS: Do not apply this product to more than 10 percent of the total field area to be harvested.

## Control of Barnvardgrass in Rice Using Renovation Treatment (California Only)

THIS APPLICATION FOR USE IN CALIFORNIA ONLY

USE INSTRUCTIONS: This product may be applied as a renovation treatment in rice crops to control barnyardgrass (Echinochola crus-galli) infestations using ground broadcast application equipment or a handheld sprayer.

Renovation is defined as an herbicide application that will result in crop and weed destruction in an entire field or contiguous area within a field. RESTRICTIONS: Rice straw and stubble from the application area, including a 25-foot buffer zone on all sides, may not be used for animal bedding, grazing, or any other feed purpose. DO NOT make this application using aerial

application equipment.

## Wiper Applicator (Feed Barley and Wheat Only)

USE INSTRUCTIONS: This product may be applied over the top of feed barley and wheat using a wiper applicator to control tall weeds. To control common rye or cereal rye, apply after weeds have headed and achieved maximum growth. See additional instructions on the use of winer applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Allow a minimum of 35 days between application and harvest. Do not use roller applicator.

#### Preharvest (Feed Barley and Wheat Only)

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

Apply this product in 10 to 20 gallons of water per acre when using ground application equipment and in 3 to 10 gallons of water per acre when using aerial application equipment. RESTRICTIONS: Do not apply more than 22 fluid ounces of this product

per acre for preharvest application. Allow a minimum of 7 days between application and harvest or grazing.

USE INSTRUCTIONS: This product may be applied for weed control after harvest of cereal crops. Higher rates might be needed to control large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for weed control following harvest of cereal crops. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

### Corn

TYPES OF CORN: Field corn; Popcorn; Seed corn; Silage corn; Sweet corn

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment:

Preharvest For directions for use with field corn hybrids with Roundup Ready 2 Technology (including Roundup Ready Corn 2 and field corn products displaying the Roundup) Ready 2 Technology logo), or with sweet corn hybrids with Roundup Ready 2 Technology (including Roundup Ready Sweet Corn and sweet corn products

displaying the Roundup Ready 2 Technology logo), see the "ROUNDUP READY

## Preplant, At-Planting, Preemergence

CROPS" section of this label.

USE INSTRUCTIONS: This product may be applied alone or in a tank-mix before, during or after planting corn, but prior to crop emergence. TANK MIXTURES: This product may be tank-mixed with the following products.

Ensure that the product used is labeled for application prior to the planting or the emergence of the type of corn crop being grown. Read and follow label directions for all products in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre.

2,4-D; acetochlor; atrazine; bicyclopyrone; carfentrazone-ethyl; clopyralid; dicamba; diflufenzopyr; dimethenamid; dimethenamid-p; rimsulfuron; saflufenacil; simazine; thiencarbazone-methyl

flufenacet: flumetsulam: flumiclorac pentyl ester: isoxaflutole: linuron: mesotrione; metolachlor; s-metolachlor; metribuzin; pendimethalin; AAtrex 4L: AAtrex Nine-O: Acuron: Acuron Flexi: Aim EC: Aim EW: Atrazine 4L; Atrazine 90 DF; Axiom DF; Balance Flexx; Banvel; Banvel 480; Bicep II MAGNUM: Bicep II MAGNUM FC: Bicep Lite II MAGNUM: Callisto: Cinch: Cinch ATZ; Cinch ATZ Lite; Clarity; Corvus; Degree Xtra; Distinct; Dual MAGNUM: Dual II MAGNUM: FulTime: FulTime NXT: Guardsman MAX: Harness: Harness Xtra: Harness Xtra 5.6L: Hornet WDG Broadleaf Blend:

Keystone; Keystone LA; Keystone LA NXT; Keystone NXT; Leadoff; Linex

4L: Lorox DF: Marksman: Me-Too-Lachlor II: Outlook: Prowl 3.3 EC:

Prowl H2O; Python WDG; Resicore; Resolve DF; Resolve Q; Resolve SG;

Resource; Shark EW; Shark H2O; Sharpen Powered by Kixor; Simazine

4L Flowable: Simazine 90 DF: Simazine 90 WDG: Stalwart: Stalwart C:

Stalwart Xtra; Stinger; Surpass EC; Surpass NXT; TopNotch; TripleFLEX II For hard-to-control annual weeds, such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply 22 fluid ounces of this product per acre in these tank mixtures. For other annual weeds listed on this label, apply 16 to 22 fluid ounces of this product per acre when weeds are less than 6 inches tall and 22 to 32 fluid ounces per acre when weeds are over 6 inches tall. When using a nitrogen solution as the carrier, higher application rates might be needed for acceptable weed control.

RESTRICTIONS: Application of 2.4-D or dicamba must be made a minimum of 7 days prior to planting corn. In Southern states, do not mix this product in nitrogen solutions for application to hard-to-control grasses, such as barnvardgrass, fall panicum, broadleaf

signalgrass, annual ryegrass and any perennial weeds. This area includes

Illinois and Indiana south of Route 50, Alabama, Arkansas, Delaware, Florida; Georgia, Kentucky, Louisiana, Maryland, Mississippi, New Jersey, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia and West Virginia.

## **Hooded Sprayer**

USE INSTRUCTIONS: This product may be applied using a hooded sprayer for weed control in between rows of corn. Only hooded sprayers that completely enclose the spray pattern may be used. See additional instructions on the use of booded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label. RESTRICTIONS: Corn must be at least 12 inches tall, measured without

extending leaves. Do not apply more than 22 fluid ounces of this product per

acre for each hooded sprayer application and no more than 64 fluid ounces per acre per year total. Spot Treatment

USE INSTRUCTIONS: This product may be applied as a spot treatment prior to silking of corn. RESTRICTIONS: Do not apply this product to more than 10 percent of the total

field area to be harvested.

#### Preharvest

USE INSTRUCTIONS: Up to 64 fluid ounces of this product per acre may be applied using ground application equipment, or up to 44 fluid ounces per acre using aerial application equipment, when kernel-fill is complete and the corn is physiologically mature (black layer formed) and grain moisture is 35 percent or less.

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

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of corn. Higher rates might be needed to control large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for bost-harvest application in corn. Read and follow label directions for all products in the tank mixture

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or feeding of vegetation within the application area. Application of this product must be made a minimum of 30 days prior to planting any crop not listed on this label.

#### 9.3 Cotton

TYPES OF APPLICATION: Those listed in Section 9.0, plus Selective Equipment; Spot Treatment: Preharvest

For directions for use with Roundup Ready cotton and Roundup Ready Flex cotton, see the "ROUNDUP READY CROPS" section of this label.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting cotton, but prior to crop emergence

TANK MIXTURES: This product may be tank-mixed with 2,4-D or Clarity and applied prior to planting only. This product may also be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to planting or the emergence of cotton. Read and follow label directions for all products used in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water per acre.

acetochlor; clomazone; diuron; flumioxazin; fluometuron; fomesafen; metolachlor: s-metolachlor: norflurazon: pendimethalin: prometyrn: pyrithiobac-sodium, saflufenacil

Caparol 4L; Command 3ME; Cotoran 4L; Cotton Pro; Dawn; Direx 4L; Dual MAGNUM; Dual II MAGNUM; Karmex DF; Prowl 3.3 EC; Prowl H2O; Reflex; Rowel; Sharpen Powered by Kixor; Stalwart; Staple LX; Valor SX; Warrant: Warrant Ultra

#### Selective Equipment

USE INSTRUCTIONS: This product may be applied using a hooded or shielded sprayer, or over the top of cotton using a wiper applicator to control tall weeds. See additional instructions on the use of this selective equipment in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label

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

#### Spot Treatment

USE INSTRUCTIONS: This product may be applied in cotton as a spot treatment prior to boll opening.

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

#### Preharvest

USE INSTRUCTIONS: This product provides weed control and cotton re-growth inhibition when applied prior to harvest. For weed control, apply at rates given in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label. For cotton re-growth inhibition, apply 16 to 44 fluid ounces of this product per acre. Make preharvest application only after sufficient bolls have developed to produce the desired yield. Application made prior to this time could affect maximum yield potential.

TANK MIXTURES: This product may be tank-mixed with DEF 6, Dropp, Folex, Ginstar, or Prep to enhance cotton leaf-drop. Read and follow label directions for all products used in the tank mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest, DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR PREHARVEST APPLICATION TO COTTON.

### Fallow Systems

This product may be applied during the fallow period prior to planting or emergence of any crop listed on this label. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label. TYPES OF APPLICATION: Chemical Fallow; Preplant Fallow Beds; Aid-to-Tillage

USE INSTRUCTIONS: This product may be used as a substitute for tillage to control annual weeds in fallow fields. Broadcast or spot treatment application will also control or suppress many perennial weeds in fallow fields. Tank-mix this product with 2.4-D or dicamba for a broader weed control spectrum. Aerial application of up to 44 fluid ounces of this product per acre may be made onto fallow fields where there is sufficient buffer to prevent injury due to drift onto adjacent crops.

PRECAUTIONS: Some crop injury could occur if dicamba is applied within 45 days of planting.

#### Preplant Fallow Beds

USE INSTRUCTIONS: This product will control weeds listed in the "ANNUAL WEEDS RATE SECTION," "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label prior to planting.

TANK MIXTURES: Apply 8 fluid ounces of this product per acre in a tank-mix with an appropriate rate of Goal 2XL to control the following weeds up to the maximum height or length indicated: 3 inches-common cheeseweed, chickweed, groundsel; 6 inches-London rocket, shepherd's-purse.

Apply 11 fluid ounces of this product per acre in a tank-mix with an appropriate rate of Goal 2XL to control the following weeds up to the maximum height or length indicated: 6 inches-common cheeseweed, groundsel. marestail (Convza 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 prior to the planting of crops listed on this label (preplant), to control downy brome, cheat, volunteer wheat, tansy mustard and foxtail. Apply 8 fluid ounces of this product in 3 to 10 gallons of water per acre before weeds are 6 inches in height. Application must be followed by conventional tillage no later than 15 days after application and before re-growth occurs. Allow a minimum of 1 day after application before tillage.

PRECAUTIONS: Tank mixtures with residual herbicides could result in reduced performance of this product.

## Grain Sorghum (Milo)

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment: Wiper Applicator: Preharvest

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting grain sorghum, but prior to crop emergence.

TANK MIXTURES: This product may be tank-mixed with the following products. Ensure that the product used is labeled for application prior to planting or emergence of grain sorghum. Read and follow label directions for all products used in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre.

acetochlor: atrazine: metolachlor: s-metolachlor: saflufenacil

Bicep II MAGNUM: Bicep II MAGNUM FC: Bicep Lite II MAGNUM: Degree Xtra; Dual MAGNUM; Dual II MAGNUM; Sharpen Powered by Kixor; Warrant

For hard-to-control annual weeds, such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply 22 fluid ounces of this product per acre in a tank mixture with one or more of the products listed here.

For control of other annual weeds listed on this label, apply 16 to 22 fluid ounces of this product per acre when weeds are less than 6 inches tall, and 22 to 32 fluid ounces per acre when weeds are over 6 inches tall. When using a nitrogen solution as the carrier, the application rate might need to be increased to achieve acceptable weed control.

## Spot Treatment, Wiper Applicator

vegetation within the application area.

USE INSTRUCTIONS: This product may be applied as a spot treatment in grain sorghum before heading. This product may also be applied over the top of grain sorghum using a wiper applicator to control or suppress tall weeds. See additional instructions on the use of wiper applicators in the "APPLICATION"

EQUIPMENT AND TECHNIQUES" section of this label. RESTRICTIONS: For spot treatment, do not apply this product to more than 10 percent of the total field area to be harvested. When applied using a wiper applicator, allow a minimum of 40 days between application and harvest. Do not use a roller applicator. Do not feed or graze grain sorghum fodder or ensile

#### **Hooded Sprayer**

USE INSTRUCTIONS: This product may be applied using a hooded sprayer for weed control in between rows of grain sorghum. Make application before grain sorghum sends tillers between the drill rows. If tillers are sprayed with this herbicide, the main plant could be damaged or destroyed. Contact of this product in any manner with any vegetation to which application is not intended could cause damage. Only hooded sprayers that completely enclose the spray pattern may be used. See additional instructions on the use of hooded sprayers in the "APPLICATION FOUIPMENT AND TECHNIQUES" section of this label. RESTRICTIONS: Grain sorghum must be at least 12 inches tall, measured

without extending leaves. Do not graze or feed grain sorghum forage or fodder following application of this product using a hooded sprayer. Do not apply more than 22 fluid ounces of this product per acre per hooded sprayer application and no more than 64 fluid ounces per acre per year total.

USE INSTRUCTIONS: Up to 44 fluid ounces of this product per acre may be applied after sorghum grain has reached 30 percent moisture or less. As with other herbicides that cause sudden plant death, avoid preharvest application of this product on grain sorghum (milo) infected with charcoal rot as lodging can occur. RESTRICTIONS: Allow a minimum of 7 days between application and harvest of grain sorghum. Preharvest application of this product on grain sorghum (milo) is not registered for use in California.

USE INSTRUCTIONS: This product may be applied for weed control after harvest of grain sorghum. Higher application rates might be needed to control large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for post-harvest application in grain sorghum (milo). Read and follow label directions for all products in the tank mixture.

This product may be applied to grain sorghum stubble following harvest to control or suppress re-growth. Apply 22 fluid ounces of this product per acre for control or 16 fluid ounces per acre for suppression.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

LABELED CROPS: Allspice; Angelica; Star anise; Annatto (seed); Balm; Basil;

## **Herbs and Spices**

Borage; Burnet; Camomile; Caper buds; Caraway; Black caraway; Cardamom; Cassia bark: Cassia buds: Catnip: Celery seed: Cheryil (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: Grains of paradise: Horehound: Hyssop; Juniper berry; Lavender; 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 APPLICATION: Those listed in Section 9.0, plus Spot Treatment (peppermint and spearmint only); Wiper Applicator (peppermint and

spearmint only) PRECAUTIONS: This product could cause crop injury when applied prior to transplanting or direct-seeding crops into plastic mulch. Remove residual product from the plastic prior to planting with a single 0.5-inch application of

water, either by natural rainfall or by irrigation. Ensure that the wash water flushes off the plastic mulch and does not enter the transplant holes. Application made at crop emergence will result in injury or death of emerged seedlines.

#### Spot Treatment, Wiper Applicator (Peppermint and Spearmint Only)

USE INSTRUCTIONS: This product may be applied as a spot treatment in peppermint and spearmint or over the top of peppermint and spearmint with a wiper applicator to control tall weeds. Application may be repeated on the same area at 30-day intervals. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest. For spot treatment application, do not apply this product to more than 10 percent of the total field area to be harvested.

## q.7 Oilseed Crops

LABELED CROPS: Borage; Buffalo gourd; Calendula; Canola; Castor oil plant; Chinese tallowtree; Crambe; Cuphea; Echium; Euphorbia; Evening primrose; Flax; Gold of pleasure; Hare's ear mustard; Jojoba; Lesquerella; Meadowfoam; Milkweed; Mustard; Niger seed; Oil radish; Poppy; Rape; Rose hip; Safflower; Sesame; Stokes aster; Sunflower; Sweet rocket; Tallowwood; Tea oil plant; Vernonia For directions for use with Roundup Ready canola and TurFlex.\*\* Roundup Ready\*\* Canola, see the "ROUNDUP READY CROPS" section of this label.

TYPES OF APPLICATION: Those listed in Section 9.0, plus Preharvest (except buffalo gourd)

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product for use in safflower, sunflower and all other oilseed crops listed in this section, if a preharvest application is to be made. If a preharvest application is NOT to be made, the maximum application rate of this product for all preemergence, selective equipment and post-harvest applications in any oilseed crop listed in this section is limited only by the maximum of 3.3 quarts per acre per year. If a preharvest application is intended to be made to any crop listed in this section, except buffalo gount, the maximum combined total of all preemergence and selective equipment applications is limited as indicated in the following table. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Anolication Patre

Maximum Application Rates if a Preharvest Application is Made				
Safflower				
Combined total for all Preemergence and Selective Equipment applications	64 fluid ounces per acre			
Preharvest application	64 fluid ounces per acre			
Sunflower				
Combined total for all Preemergence and Selective Equipment applications	22 fluid ounces per acre			
Preharvest application	22 fluid ounces per acre			
All Other Oilseed Crops Listed (Except Buffalo Gourd)				
Combined total for all Preemergence and Selective Equipment applications	44 fluid ounces per acre			
Preharvest application	32 fluid ounces per acre			

RESTRICTIONS: Do not exceed a total application rate of 5.3 quarts of this product per acre per year. Preharvest application is not permitted on buffalo gourd.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting bilseed crops listed in this section, but must be applied prior to crop emergence. Observe the maximum application rates listed at the beginning of this section.

TANK MIXTURES: For sunflower, a tank mixture with pendimethalin may be applied before, during or after planting into conventionally tilled soil, a cover trop, established sod or previous crop residue.

RESTRICTIONS: See the use instructions at the beginning of this section for important information on maximum application rates for preemergence and selective equipment applications of this product.

#### Selective Equipment

USE INSTRUCTIONS: This product may be applied using a wiper applicator or shielded sprayer between crop rows once the crop is established. Observe the maximum application rates listed at the beginning of this section. See

additional instructions on the use of wiper applicators and hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

#### Preharvest (Except Buffalo Gourd)

USE INSTRUCTIONS: This product provides weed control and serves as a harvest aid when applied to a physiologically mature oilseed crop listed in this section. For safflower, up to 64 fluid ounces of this product may be applied per acre when seed has lost its opaque character, approximately 20 to 30 days after the end of flowering of the secondary branches. For sunflower, up to 22 fluid ounces of this product per acre may be applied when the backsides of sunflower heads are yellow and bracts are turning brown and seed moisture content is less than 35 percent. For all other oilseed crops listed in this section (except buffalo gourd), up to 32 fluid ounces of this product per acre may be applied prior to harvest.

RESTRICTIONS: DO NOT MAKE A PREHARVEST APPLICATION if you have exceeded the maximum application rates for the combined total of all preemergence and selective equipment applications listed in the table at the beginning of this section. Make only 1 preharvest application of this product and allow a minimum of 7 days between application and havest or feeding to livestock. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label. Preharvest application is not allowed on buffalo gourd or on Roundup Ready\* or Turlex\*\* Noundup Ready\*\* canola.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of oilseed crops. Higher application rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for post-harvest application in the crop harvested. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Do not exceed a total application rate of 5.3 quarts of this product per acre per year. Allow a minimum of 7 days between application of this product and harvest or feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

#### Q.8 Soybean

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment; Selective Equipment; Preharvest

For directions for use with Roundup Ready soybean and Roundup Ready 2 Yield soybean, see the "ROUNDUP READY CROPS" section of this label.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting soybean, but prior to crop emergence.

TANK MIXTURES: This product may be tank-mixed with 2,4-D, Banvel or Clarity and applied prior to planting only. This product may also be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to planting or the emergence of soybean. Read and follow label directions for all products in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water per acre.

acetochlor; carfentrazone-ethyl; chlorimuron ethyl; clethodim; clomazone; cloransulam-methyl; dimethenamid; dimethenamid-p; fenoxaprop-p-ethyl; fluracifop-p-butyl; fluracifop-p-butyl; fluracifop-gradientenamid-pi flumioazari, flumioazari, flumioazari, flumioazari, flumioazari, flumioazari, flumioazari, fluracifop-pi lactofen; linuron; metolachlor; s-metolachlor; metribuzin; pendimethalin; pyroxasulfone; quizalofop-P-ethyl; saflufenacil; sulfentrazone; tribenuron methyl; trifluralin

Aim EC; Aim EW; Assure II; Authority Assist; Authority Elite; Authority First DF; Authority MXX; Authority MTZ DF; Authority XL; Axion DF; Blanket 4F; Boundary 6.5 EC; Cadet, Canopy; Canopy Blend; Canopy Ex; Classis; Cobra; Command 3ME; Dawn; Dual MAGNUM, Dual II MAGNUM, Fierce; Fierce XLT; FirstRate; Flexstar; Fusion; Linex 4L; Lorxo DF; Me-Too-Lachlor; Optill Powered by Kixor; Outlook; Phoenix; Prowl 3.3 EC; Prowl H2O; Pursuit; Python WDG; Reflex; Resource; Rhythm; Rowel; Rowel FX; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor; Spartan 4F; Treflan 4L; Treflan 4 EC; TriCor 4F; TriCor DF; Valor SX; Valor XII; Warrant; Warrant Ultra; Zdua

For hard-to-control annual weeds, such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches fall, and Pennsylvania smartweed up to 6 inches fall, apply 22 fluid ounces of this product per acre in a tank mixture with one of the products listed. For other

#### Spot Treatment

when weeds are over 6 inches tall.

USE INSTRUCTIONS: This product may be applied as a spot treatment prior to initial pod set in soybean. RESTRICTIONS: Do not apply this product to more than 10 percent of the tota field area to be harvested.

annual weeds listed on this label, apply 16 to 22 fluid ounces of this product

per acre when weeds are less than 6 inches tall and 22 to 32 fluid ounces

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Selective Equipment

USE INSTRUCTIONS: This product may be applied in soybean using a shielded sprayer, hooded sprayer, wiper applicator or sponge bar. Se additional instructions on the use of selective equipment in the "APPLICATION"

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

EQUIPMENT AND TECHNIQUES" section of this label.

## Preharvest

USE INSTRUCTIONS: This product may be applied to soybean prior to harvest after pods have set and lost all green color. Apply at rates given in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label. Take care to avoid excessive seed shatter loss due to ground application equipment.

RESTRICTIONS: Do not apply more than 3.3 quarts of this product per acre for preharvest application using ground application equipment or more than 44 fluid ounces per acre using aerial application equipment. Allow a minimum of 7 days between application and harvest of soybean. If the preharvest application rate is greater than 22 fluid ounces per acre, do not graze or harvest hay or fodder within the application area for livestock feed within 25 days of application. If the application rate is 22 fluid ounces per acre or less, the grazing restriction is reduced to 14 days after application.

## **9**.9 Sugarcane

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment

## Preplant, At-Planting, Preemergence

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, apply a 1-percent solution of this product in water using a handheld sprayer and a spray-to-wet technique. Enhanced results can be obtained on volunteer or diseased sugarcane when application is made when there are at least 7, new leaves. Avoid contact of this herbicide with healthy sugarcane plants as severe damage or destruction could result.

RESTRICTIONS: Do not feed or graze sugarcane foliage within the application area.

#### **Hooded Sprayer**

USE INSTRUCTIONS: This product may be applied using a hooded sprayer for weed control in between rows of sugarcane. See additional instructions on the use of hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Do not allow weeds within the application area to come into confact with the crop.

#### Fallow Treatment

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 by applying 2.5 to 3.3 quarts of this product in 10 to 40 gallons of water per acre to new growth having at least 7 new leaves. Allow a minimum of 7 days after application before tillage; Aerial application of un to 64 fluid ounces be a race may be made onto fallow.

sites where there is sufficient buffer to prevent drift onto adjacent crops. Tank mixtures with 2.4-D or dicamba may be used. Ensure that the product used is labeled for this application in sugarcane. Read and follow label directions for all products in the tank mixture.

#### 9.9.1 Sugarcane Ripening

USE INSTRUCTIONS: This product may be used as a foliar-applied plant growth regulator to hasten ripening and extend the period of high sucrose level in both low- and high-tonnage sugarcane. Most of the sucrose increase is concentrated in the top nodes of the cane stalk. To maximize sugar recovery where topping is practiced at harvest, top at the base of the fourth leaf. Consult your state sugarcane authority or local Bayer CropScience LP representative regarding the degree of sucrose response that can be anticipated prior to application of this product.

As a result of leaf desiccation, improved trash burn can be expected.

Apply this product at the following rates and timing according to the State in which the sugarcane is grown. Use the higher application rate within the given range when applying to sugarcane under adverse ripening conditions or to less responsive varieties.

FLORIDA — Apply 5 to 12 fluid ounces of this product per acre 3 to 5 weeks before harvest of LAST RATOON CANE ONLY.

HAWAII - Apply 9 to 21 fluid ounces of this product per acre 4 to 10 weeks before harvest

LOUISIANA - Apply 4 to 12 fluid ounces of this product per acre 3 to 7 weeks before harvest of RATOON CANE ONLY.

PUERTO RICO - Apply 5 fluid ounces of this product per acre 3 to 5 weeks before harvest of RATOON CANE ONLY.

TEXAS — Apply 5 to 12 fluid ounces of this product per acre 3 to 5 weeks before harvest of RATOON CANE ONLY.

PRECAUTIONS: Application of this product could initiate development of shooting eyes. This product might not increase the sucrose content of sugarcane under conditions of good natural ripening. Within 2 to 3 weeks after application, this product could produce a slight yellowing to a pronounced browning and drying of leaves, and a shortening of upper internodes. Spindle death could occur.

Rainfall within 6 hours after application could reduce the effectiveness of this product.

Application to sugarcane grown for seed could result in a reduction in germination or vigor. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on sugarcane grown for seed.

RESTRICTIONS: Do not feed or graze sugarcane forage following application. Do not plant subsequent crops within 30 days after application of this product other than the following: alfalfa or other forage legumes, beans (all types), corn (all types), cotton, melons (all types), pasture grasses, peanuts, potatoes (Irish or sweet), sorghum (milo), soybean, squash (all types) or wheat.

Do not apply for enhanced ripening to any crops other than sugarcane. Use of this product in any manner not consistent with this label could result in injury to persons, animals or crops, or have other unintended consequences.

## Vegetable Crops

THIS SECTION PROVIDES DIRECTIONS FOR USE THAT APPLY TO ALL VEGETABLE CROPS LISTED IN THE FOLLOWING SECTIONS. SEE THE INDIVIDUAL CROP SECTIONS FOR SPECIFIC DIRECTIONS FOR USE. PREHARVEST INTERVALS. PRECAUTIONS AND RESTRICTIONS.

TYPES OF APPLICATION: Chemical Fallow; Preplant Fallow Beds; Preplant; At-Planting; Preemergence; Prior to Transplanting Vegetables; Hooded Sprayer in Row Middles: Shielded Sprayer in Row Middles: Wiper Applicator in Row Middles; Directed Application (non-bearing ginseng only); Wiper Applicator (carrot, rutabaga, sweet potato only); Post-Harvest

PRECAUTIONS: This product could cause crop injury when applied prior to transplanting or direct-seeding crops into plastic mulch. Remove residual product from the plastic with a single 0.5-inch application of water, either by natural rainfall or irrigation, prior to planting. Ensure that the wash water flushes off the plastic mulch and does not enter the transplant holes.

Application of this product at crop emergence will result in injury or death to emerged seedlings.

Avoid contact of this herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from the plastic mulch), or fruit of crops, as severe crop injury or destruction could result. Transplanted seedlings coming into contact with freshly sprayed weeds could result in significant crop injury.

Preemergence application must be made before crop emerges from the soil to avoid severe crop injury. Apply before seed germination in coarse sandy soils to further minimize the risk of crop injury. In crops with vines, make hooded sprayer, shielded sprayer and wiper applications in row middles prior to vine development, otherwise severe crop injury or destruction could result.

RESTRICTIONS: Unless otherwise directed, application using selective equipment, including wiper applicators and hooded sprayers, must be made a minimum of 14 days prior to harvest. Post-harvest and fallow applications must be made a minimum of 30 days prior to the planting of any crop not listed on this label. See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

#### Q.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

## Q.10.2 Bulb Vegetables

LABELED CROPS: All cultivars, varieties and/or hybrids of Chive (including Chinese): Daylily: Elegans hosta: Fritillaria: Garlic (including great-headed. serpent); Kurrat; Leek (including lady's, wild); Onion (including Beltsville bunching, bulb, Chinese, fresh, green, macrostem, pearl, potato, tree, Welsh); Shallot

#### **Cucurbit Vegetables and Fruits** 9.10.3

LABELED CROPS: Chayote (fruit); Chinese waxgourd (Chinese preserving melon); Citron melon; Cucumber; Gherkin; Edible gourd (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 cantalogue, 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 a minimum of 3 days between application and planting.

## Q.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, upland); Dandelion; Dock (sorrel); Dokudami; Endive (escarole); Florence fennel; Gow kee; Lettuce (head, leaf); Orach, Parsley; Purslane (garden, winter): Radicchio (red chicory): Rhubarb: Spinach: New Zealand spinach; Vine spinach; Swiss chard; Watercress (upland); Water spinach

RESTRICTIONS: For watercress, allow a minimum of 3 days between application and seeding. Do not apply this product during the period between seeding and emergence.

#### **9**.10.5 Fruiting Vegetables

LABELED CROPS: All cultivars, varieties and/or hybrids of Eggplant (including African, pea, scarlet); Cocona; Garden huckleberry; Goji berry; Groundcherry (Physalis spp.); Martinynia; Naranjilla; Okra; Pepino; Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); Roselle: Sunberry; Tomatillo; Tomato

RESTRICTIONS: Allow a minimum of 3 days between application and planting. For tomato and tomatillo, do not apply this product using a hooded or shielded sprayer in row middles because of the potential for crop injury.

LABELED CROPS: Bean (Lupinus: includes grain lupin, sweet lupin, white

## Legume Vegetables (Succulent or Dried)

lupin, 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, catiang, 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 TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment

## Spot Treatment (Dry Varieties Only)

(dry varieties only); Preharvest (dry varieties only)

USE INSTRUCTIONS: This product may be applied as a spot treatment to control troublesome weeds such as Canada thistle, quackgrass, mayweed (dog fennel) and milkweed in any dry legume variety listed in this section. except cowpeas and field (feed) peas. Apply up to 22 fluid ounces of this product per acre in dry beans, or up to 64 fluid ounces per acre in dry peas. lentils and chickpeas, in 10 to 20 gallons of water using ground application equipment, or apply a 2-percent solution in a handheld sprayer. For enhanced

results, apply at or beyond the bud stage of growth. RESTRICTIONS: Allow a minimum of 7 days between application and harvest. Only one spot treatment application may be made per year. Do not combine spot treatment with a preharvest broadcast application on the same crop area. Allow a minimum of 30 days between application and the planting of any crop not listed on this label. Do not feed vines and hay from the application area to livestock. Do not apply this product as a spot treatment in cowpeas or field (feed) peas, since these are considered to be grown only as livestock feed. Preharvest (Dry Varieties Only)

USE INSTRUCTIONS: This product may be applied over the top of any dry legume variety listed in this section prior to harvest, except cowpeas or field (feed) peas. Apply up to 22 fluid ounces of this product per acre in dry beans. or up to 64 fluid ounces per acre in dry peas, lentils and chickpeas, in 3 to 20 gallons of water per acre at the hard dough stage of the legume seed (30 percent grain moisture or less).

RESTRICTIONS: Allow a minimum of 7 days between application and harvest. Only one preharvest application may be made per year. Do not combine a preharvest application with a spot treatment application on the same crop area. Allow a minimum of 30 days between application and the planting of any crop not listed on this label. Do not feed vines and hav from the application area to livestock. Do not make a preharvest application of this product in cowpeas or field (feed) peas, since these are considered to be grown only as livestock feed.

#### **Root and Tuber Vegetables 9**.10.7

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); Galangal; 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; Turmeric; Turnip; Wasabi; Yacon; Yam bean; True yam

TYPES OF APPLICATION: Those listed in Section 9.0, plus Directed Application (non-bearing ginseng only); Wiper applicator (carrot, rutabaga, sweet potato only);

#### Directed Application in Ginseng (Non-Bearing Only)

USE INSTRUCTIONS: This product may be applied for weed control in established non-bearing ginseng using a boom sprayer, CDA, shielded sprayer, wiper applicator, handheld or backpack wand, lance, or orchard gun. See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Control the application so as to not allow any contact of this product with the ginseng plant, Droplets, mist, foam or splatter of the herbicide solution settling onto desirable vegetation could result in discoloration, stunting or destruction.

RESTRICTIONS: Application must be made a minimum of one year prior to ginseng harvest.

## Wiper Applicator (Carrot, Rutabaga and Sweet Potato Only)

USE INSTRUCTIONS: A 33-percent solution of this product by volume in water may be applied using a wiper applicator over the top of carrot, rutabaga and sweet potato for the control of tall weeds. See additional use instructions for wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: For carrot, a maximum of two wiper or sponge bar applications may be made a minimum of 60 days prior to harvest following the first application and 7 days prior to harvest following the second application br if only one wiper application is made over the top of the carrot crop. For rutabaga, allow a minimum of 14 days between application and harvest. For sweet potato, a maximum of five wiper or sponge bar applications may be made with a minimum of 14 days between applications and a minimum of 7 days prior to harvest.

#### 9.11 Miscellaneous Crops

## LABELED CROPS: Aloe vera; Asparagus; Bamboo shoots; Globe artichoke; Okra: Peanut: Pineapple: Sugarbeet

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment (asparagus)

For directions for use with Roundup Ready sugarbeet, see the "ROUNDUP READY CROPS" section of this label.

PRECAUTIONS: Preemergence application must be made before the crop emerges from the soil to avoid severe crop injury. Apply before seed germination in coarse sandy soils to further minimize the risk of crop injury. In crops with vines, apply this product in row middles using a hooded sprayer, shielded sprayer or wiper applicator prior to vine development, otherwise severe crop injury or destruction could result.

#### Spot Weed Control, Site Preparation

USE INSTRUCTIONS: This product may be applied for spot weed control and site preparation prior to planting or transplanting crops listed in this section. PRECAUTIONS: This product could cause crop injury when applied prior to transplanting or direct-seeding crops into plastic mulch. Remove residues of this product from the plastic with a single 0.5-inch application of water, either by natural rainfall or irrigation, prior to planting. Ensure that the wash water flushes off the plastic mulch and does not enter transplant holes.

RESTRICTIONS: Allow a minimum of 21 days between residue removal and transplanting. Do not apply this product within 7 days prior to the emergence of the first asparagus spears. Do not feed or graze pineapple forage from within the application area.

## Spot Treatment (Asparagus)

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

RESTRICTIONS: Do not apply this product to more than 10 percent of the total field area to be harvested. Do not harvest asparagus within 5 days of a spot treatment application.

#### Post-Harvest in Asparagus

USE INSTRUCTIONS: This product may be applied for weed control after the last harvest of asparagus and all spears have been removed. If spears are allowed to re-grow, delay application until ferns have developed and make the application as a directed or shielded spray in order to avoid contact of this product with ferns, stems or spears. See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Direct contact of this product with asparagus could result in serious crop injury.

## TREE. VINE AND SHRUB CROPS

THIS SECTION PROVIDES DIRECTIONS FOR USE THAT APPLY TO ALL TREE, VINE. AND SHRUB CROPS LISTED IN THE FOLLOWING SECTIONS. SEE THE INDIVIDUAL CROP SECTIONS FOR SPECIFIC DIRECTIONS FOR LISE PREHARVEST INTERVALS, PRECAUTIONS AND RESTRICTIONS.

TYPES OF APPLICATION: Preplant (site preparation); Broadcast Spray; Selective Equipment (shielded sprayer, wiper applicator), Directed Spray and Spot Treatment in Middles (between rows of trees, vines or bushes) and Strips (within rows of trees, vines or bushes); Site Weed Control; Perennial Grass Suppression: Cut Stump Application

USE INSTRUCTIONS: Unless specifically prohibited in the individual crop sections that follow, this product may be applied using a boom sprayer, controlled droplet applicator (CDA), shielded sprayer, wiper applicator, handheld or backpack sprayer, lance or orchard gun, in middles (between rows of trees, vines or bushes) and strips (within rows of trees, vines or bushes), for weed control or perennial grass suppression in established tree fruit and nut groves, orchards and vineyards. It may also be used for site preparation prior to planting or transplanting these crops.

Apply 11 fluid ounces to 3.3 quarts of this product per acre as directed in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label. Use a higher application rate within a given range when weeds are stressed, growing in dense populations or greater than 12 inches tall. Application may be repeated as needed up to a maximum of 7 quarts of this product per acre per year. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

PRECAUTIONS: Use extreme care to avoid contact of this herbicide solution. spray, drift or mist with foliage or green bark of trunk, branches, suckers, fruit or other parts of desirable trees, canes and vines. Avoid application when recent pruning wounds or other mechanical injury have occurred. Contact of this product with other than matured brown bark could result in serious crop damage or destruction. Only shielded or directed sprayers may be used in crops where the potential for crop contact is high, and then only where there is sufficient clearance. For application in strips (within rows of trees), only selective equipment (directed sprayer, hooded sprayer, shielded sprayer or wiper applicator) may be used in order to minimize the potential for overspray or drift of this product onto the crop. For berry crops, hooded sprayers must be fully enclosed including top, sides, front and back. Only wiper applicators or shielded sprayers capable of preventing all contact of this product with the crop may be used. See additional use instructions and precautions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Allow a minimum of 3 days between application of this product and transplanting.

#### Middles (between rows)

USE INSTRUCTIONS: This product will control or suppress annual and perennial weeds and ground covers growing between rows of tree, vine and shrub crops listed on this label. If weeds are under drought stress, irrigate prior to application. Reduced weed control could result if weeds have been recently mowed at the time of application.

TANK MIXTURES: A tank mixture of this product with Goal 2XL may be applied for annual weed control between rows (middles) of a variety of tree, vine and shrub crops when weeds are stressed or growing in dense populations. Application of 11 to 22 fluid ounces of this product per acre plus an appropriate rate of Goal 2XL will control annual weeds with a maximum height or length of 6 inches, including crabgrass, common groundsel, junglerice, common lambsquarters, redroot pigweed, London rocket, common ryegrass, shepherd's-purse, annual sowthistle, filaree (suppression), horseweed/marestail, stinging nettle and common purslane (suppression). This tank-mix will also control common cheeseweed (malva) and hairy fleabane with a maximum height or length of 3 inches.

This product may also be applied to row middles in tank mixtures with the following products.

2,4-D; bromacil; clethodim; diuron; fluazifop-P-butyl; flumioxazin; glufosinate-ammonium; indaziflam; napropamide; norflurazon; oryzalin;

oxyfluorfen: pendimethalin: penoxsulam: pyraflufen ethyl: rimsulfuron: saflufenacil; sethoxydim; simazine; thiazopyr Alion: Chateau Herbicide SW: Devrinol 2-XT: Devrinol 50-DF: Devrinol 50-DF Ornamental; Devrinol DF-XT; Devrinol DF-XT Ornamental; Direx 4L; Dri-Clean; Fusilade II Turf & Ornamental; Fusilade DX; Goal 2XL; GoalTender: Karmex DF: Matrix FNV: Matrix SG: Orchard Master Broadleaf: Orchard Master CA; Pindar GT; Poast; Poast Plus; Prowl 3.3 EC; Prowl H20: Princep 4L: Princep Caliber 90: Princep Liquid: Rely 280: Select: Select 2 EC; Select Max Herbicide with Inside Technology; Simazine 4L; Simazine 4L Flowable; Simazine 90DF; Simazine 90 WDG; Sim-Trol 4L;

Venue: Visor Broadcrop Ensure that the product used is labeled for application within the crop being grown. Read and follow label directions for all products in the tank mixture.

Sim-Trol DF: Solicam DF: Surflan AS Agricultural: Surflan AS Specialty:

Surflan Flex; Surflan Flex T&O; Surflan XL 2G; Treevix Powered by Kixor;

#### Strips (within rows)

TANK MIXTURES: This product may be applied within rows of tree, vine and shrub crops in tank mixtures with the following products. 2.4-D: bromacil: clethodim: diuron: fluazifop-P-butvl: flumioxazin: glufosinate-ammonium: indaziflam: napropamide: norflurazon: orvzalin: oxyfluorfen; pendimethalin; penoxsulam; pyraflufen ethyl; rimsulfuron;

saflufenacil; sethoxydim; simazine; thiazopyr Alion; Chateau Herbicide SW; Devrinol 2-XT; Devrinol 50-DF; Devrinol 50-DF Ornamental: Devrinol DF-XT: Devrinol DF-XT Ornamental: Direx 4L; Dri-Clean; Fusilade II Turf & Ornamental; Fusilade DX; Goal 2XL; GoalTender: Karmex DF: Matrix FNV: Matrix SG: Orchard Master Broadleaf: Orchard Master CA; Pindar GT; Poast; Poast Plus; Prowl 3.3 EC; Prowl H20; Princep 4L; Princep Caliber 90; Princep Liquid; Rely 280; Select; Select 2 EC: Select Max Herbicide with Inside Technology: Simazine 4L: Simazine 4L Flowable; Simazine 90DF; Simazine 90 WDG; Sim-Trol 4L; Sim-Trol DF; Solicam DF; Surflan AS Agricultural; Surflan AS Specialty; Surflan Flex; Surflan Flex T&O; Surflan XL 2G; Treevix Powered by Kixor; Venue; Visor Broadcrop

Ensure that the product used is labeled for application within the crop being grown. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Do not apply these tank mixtures in Puerto Rico.

#### Perennial Grass Suppression

This product will suppress perennial grasses such as bahiagrass bermudagrass, tall fescue, orchardgrass, Kentucky bluegrass and quackgrass that are grown as ground covers in tree, vine and shrub crops. For suppression of tall fescue, fine fescue, orchardgrass and quackgrass,

apply 4 fluid ounces of this product in 10 to 20 gallons of water per acre. For suppression of Kentucky bluegrass covers, apply 4 fluid ounces of this

product per acre. Do not add ammonium sulfate to the spray mix.

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

For suppression of vegetative growth and seedhead inhibition of bahiagrass for approximately 45 days, apply 4 fluid ounces of this product in 10 to 25 gallons of water per acre 1 to 2 weeks after full green-up or after mowing to a uniform height of 3 to 4 inches prior to seedhead emergence. For suppression for up to 120 days, apply 3 fluid ounces of this product per acre followed by an application of 2 to 3 fluid ounces per acre about 45 days later. Make no more than two applications per year. For burndown of bermudagrass, apply 22 to 44 fluid ounces of this product in

3 to 20 gallons of water per acre. Make this application only if a reduction of

the bermudagrass stand can be tolerated. When burndown is required prior to harvest, make the application a minimum of 21 days prior to harvest to allow sufficient time for burndown to occur. For suppression of bermudagrass, apply 4 to 11 fluid ounces of this product per acre east of the Rocky Mountains and 11 fluid ounces west of the Rocky Mountains 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 when re-growth occurs and bermudagrass injury

and stand reduction can be tolerated. East of the Rocky Mountains, apply 4 to 7 fluid ounces of this product per acre in shaded conditions or where a lesser degree of suppression is desired.

#### **Cut Stump Application**

Application of this product to a freshly cut tree stump may be made during site preparation or site renovation to control re-growth and re-sprouting of stumps of many tree species, some of which are listed below.

Citrus Trees: Calamondin: Chironia: Citron: Citrus hybrids: Grapefruit: Kumquat; Lemon; Lime; Mandarin (tangerine); Orange (all); Pummelo; Tangelo (ugli): 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)

USE INSTRUCTIONS: Cut the tree close to the soil surface and immediately apply a 50- to 100-percent (undiluted) solution of this product to the freshly cut surface using application equipment capable of covering the entire cambium. A delay in application could result in reduced performance. For enhanced results, cut the tree during period of active growth and full leaf expansion and apply this product.

PRECAUTIONS: DO NOT MAKE A CUT STUMP APPLICATION WHEN THE ROOTS DE ADJACENT DESIRABLE TREES MIGHT BE GRAFTED TO THE ROOTS OF THE CUT STUMP, AS INJURY COULD OCCUR IN THE ADJACENT TREES, Some sprouts, stems or trees can share a common root system. Adjacent trees having a similar age, height and spacing could be an indicator of a shared root system. Whether grafted or shared, injury is likely to occur to adjacent stems or trees when this product is applied to one or more trees sharing a common root system.

#### **Berry and Small Fruit Crops** 10.1

LABELED CROPS: All cultivars, varieties and/or hybrids of Amur River grape; Aronia berry; Bayberry; Bearberry; Bilberry; Blackberry (including Andean blackberry, arctic blackberry, bingleberry, black satin berry, boysenberry, brombeere, California blackberry, Cherokee blackberry, chesterberry, Cheyenne blackberry, common blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, evergreen blackberry, Himalayaberry, hullberry, lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, mora, mures de ronce, nectarberry, Northern dewberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, Southern dewberry, tayberry, youngberry, zarzamora); Blueberry (highbush, lowbush); Buffaloberry; Che; Chilean guava; Chokecherry; Cloudberry: Cranberry (including highbush): Currant (black, Buffalo, red. native); Elderberry; European barberry; Gooseberry; Grape; Honeysuckle (edible); Huckleberry; Jostaberry; Juneberry (Saskatoon berry); Kiwifruit (fuzzy, hardy); Ligonberry; Maypop; Mountain pepper berries; Mulberry; Muntries; Partridgeberry; Phalsa; Pincherry; Raspberry (black, red, wild); Riberry; Salal; Schisandra berry: Sea buckthorn: Serviceberry: Strawberry

TYPES OF APPLICATION: Those listed in Section 10.0

PRECAUTIONS: To avoid damage, spray solutions of this product must not be allowed to contact desirable vegetation, including green shoots, canes or foliage. In the northeast and Great Lakes regions, apply this product in grape vineyards prior to the end of the bloom stage in order to avoid crop injury, pr apply using a shielded sprayer or wiper applicator. USE THIS PRODUCT WITH EXTREME CARE AROUND RASPBERRY, AS SERIOUS CROP DAMAGE CAN OCCUR IF ANY PART OF THE VINE COMES INTO CONTACT WITH THIS PRODUCT. To the extent consistent with applicable law, grower assumes all responsibility for crop losses resulting from misapplication of this product.

RESTRICTIONS: Allow a minimum of 3 days between application of this product and transplanting. Allow a minimum of 30 days between application and harvest of cranberries or the planting of any crop not listed on this label. Allow a minimum of 14 days between application and harvest for all other berry and small fruit crops listed here. Do not apply this product using selective equipment in kiwifruit.

#### Spot Treatment

USE INSTRUCTIONS: Spot treatment application using a handheld sprayer br other appropriate application equipment listed in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label may be used to control weeds in berry and small fruit crops listed in this section.

For control of weeds growing in dry ditches (interior and perimeter) of cranberry production areas, drop water level to remove standing water in ditches and apply a 1- to 2-percent solution of this product with a handheld sprayer to adequately wet the vegetation only; do not spray to the point of runoff. To achieve maximum weed control in dry ditches, apply this product within 1 day after water drawdown to ensure application to actively growing weeds and allow a minimum of 2 days after application before reintroduction

RESTRICTIONS: Allow a minimum of 30 days between spot treatment application and harvest of cranberries. Do not apply directly to water. Use nozzles that produce medium- to large-sized droplets to minimize spray drift and avoid crop injury.

#### Post-Harvest Application in Cranberry Production

USE INSTRUCTIONS: This product may be applied for weed control after the harvest of berries and small fruits listed in this section. In cranberry bogs, apply this product after cranberry vines are dormant (after they have turned red) using a handheld sprayer, wiper applicator or any other appropriate application equipment listed in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label. With a handheld sprayer, apply a 0.4- to 0.7-percent solution of this product to adequately wet the vegetation only: do not spray to the point of runoff. With a handheld boom sprayer, apply 44 to 86 fluid ounces of this product per acre.

PRECAUTIONS: Even though vines appear dormant, contact of this product with desirable vegetation could result in damage or severe plant injury. Cranberry plants that are directly sprayed could be killed.

RESTRICTIONS: Apply this product only after cranberries have been harvested. Do not apply to more than 10 percent of the total bog. Allow a minimum of 6 months between post-harvest application and the next harvest of cranberries. Do not apply using aerial application equipment. Do not apply directly to water.

#### 10.2 Citrus Fruit Crops

LABELED CROPS: All cultivars, varieties and/or hybrids of Calamondin; Chironja; Citron; Citrus Hybrids; Grapefruit (including Japanese summer); Kumquat; Lemon; Lime (including Australian desert lime, Australian finger lime, Australian round lime, Brown river finger lime, Mount white, New Guinea wild, Russell river, sweet, and Tahiti); Mandarin (including Mediterranean, Satsuma); Orange (all); Pummelo; Tangelo; Tangerine (Mandarin); Tangor; Uniq Fruit (ugli)

TYPES OF APPLICATION: Those listed in Section 10.0

USE INSTRUCTIONS: The following use instructions pertain to application in Florida and Texas only.

For burndown or control of the weeds listed below, apply this product at the specified rate in 3 to 30 gallons of water per acre. Where weed foliage is dense, use 10 to 30 gallons of water per acre.

To control goatweed, apply 44 to 64 fluid ounces of this product in 20 to 30 gallons of water per acre when plants are actively growing. Apply 44 fluid ounces per acre when plants are less than 8 inches tall and 64 fluid ounces per acre when plants are greater than 8 inches tall. If goatweed is greater than 8 inches tall, the use of this product in a tank-mix with Krovar I or Karmex could improve weed control. Refer to the individual product labels for specific crops, rates, geographic restrictions and precautionary statements.

1.,, 0 0.1					
	Level of Perennial Weed Control at Various Application Rates (amount of this product per acre)				
Weed Species	22 fl oz	44 fl oz	2 quarts	3.3 quarts	
Bermudagrass	В	-	PC	С	
Guinea grass Texas and Florida Ridge Florida Flatwoods	B —	C B	C C	C C	
Para grass	В	С	С	С	
Torpedograss	S	_	PC	С	
Cumprossion DC Do	tial Control	D _ Durn	down C - C	Control	

S = Suppression, PC = Partial Control, B = Burndown, C = Control

RESTRICTIONS: Allow a minimum of 1 day between application and harvest of citrus fruit crops. For citron groves, apply as a directed spray only.

#### Pome Fruit Crops 10.3

LABELED CROPS: All cultivars, varieties and/or hybrids of Apple; Azarole: Crabapple; Loquat; Mayhaw; Medlar; Pear (including Asian pear); Quince (including Chinese and Japanese quince); Tejocote

TYPES OF APPLICATION: Those listed in Section 10.0

RESTRICTIONS: Allow a minimum of 1 day between application and harvest of pome fruit.

#### 10.4 **Stone Fruit Crops**

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

TYPES OF APPLICATION: Those listed in Section 10.0

PRECAUTIONS: Avoid application near trees with recent pruning wounds of other mechanical injury. Apply only near trees that have been planted in the orchard for a minimum of 2 years. ENSURE THAT NO PART OF A PEACH TREE IS CONTACTED WITH OVERSPRAY OR DRIFT OF THIS PRODUCT.

RESTRICTIONS: Allow a minimum of 17 days between application and harvest of stone fruit. In olive groves, apply as a directed spray only. Remove suckers and low-hanging limbs a minimum of 10 days prior to application.

#### Tree Nut Crops 10.5

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 APPLICATION: Those listed in Section 10.0

RESTRICTIONS: Allow a minimum of 3 days between application and harvest of tree nuts, except coconut. Allow a minimum of 14 days between application and harvest of coconut.

#### **Tropical and Subtropical Trees** 10.6 and Fruit Crops

LABELED CROPS: Ambarella: Atemova: 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: Ilama: Imbe: Imbu: Jaboticaba Jackfruit; Longan; Lychee; Mamey apple; Mango; Mangosteen; Marmaladebox (genip): Mountain papaya: Noni (Indian mulberry): 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: Wax iambu

TYPES OF APPLICATION: Those listed in Section 10.0, and as a Bananacide (banana only)

RESTRICTIONS: Allow a minimum of 1 day between application and harvest in banana, coffee, guava, papaya, and plantain crops. Allow a minimum of 14 days between application and harvest of all other tropical and subtropical tree fruit listed here. In coffee and banana, delay application a minimum of 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, in order to establish a disease-free buffer around a plantation, Remove all fruit from the plants within the area prior to treatment. Inject 0.04 fluid ounce (1 milliliter) of this concentrated product (undiluted) for every 2 to 3 inches of pseudostem diameter of the banana plant to be controlled. Make the injection at least one foot above the ground, except for very small plants. which can be injected vertically into the top. Any subsequent re-growth must also be destroyed. Mechanically destroy all plants and mats (or units) within a 4-foot radius around a treated mat.

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 might not show symptoms of the Banana Bunchy Top Virus for as many as 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 milliliters) of this product per mat (or unit). Do not harvest any fruit or plant material from treated mats (or units) following injection. Do not allow livestock to consume treated plant material. Following transplant of new banana plants into treated areas, allow plants to become established for a minimum of 3 months before applying this product for weed control.

#### 10.7 Vine Crops

LABELED CROPS: Hops: Passion fruit

TYPES OF APPLICATION: Those listed in Section 10.0

USE INSTRUCTIONS: Apply this product for weed control only when green shoots, canes or foliage are not in the spray zone.

RESTRICTIONS: Allow a minimum of 14 days between application and harvest of these vine crops.

#### Miscellaneous Tree Food Crops 10.8

LABELED CROPS: Cactus (all, including prickly pear, dragon fruit): Palm TYPES OF APPLICATION: Those listed in Section 10.0

#### Non-Food Tree Crops 10.9

LABELED CROPS: Pine; Poplar; Eucalyptus; Christmas trees; all other non-food tree crops

TYPES OF APPLICATION: Those listed in Section 10.0

PRECAUTIONS: Avoid contact of spray, drift or mist of this product with foliage or green bark of established Christmas trees and other pine trees. Desirable plants can be protected from the spray solution by using shields or coverings of impermeable materials.

RESTRICTIONS: DO NOT apply this product as a broadcast application over the top of plantations or tree crops.

#### Site Preparation

USE INSTRUCTIONS: This product may be used for weed control prior to planting non-food tree crops.

PRECAUTIONS: Protect non-target plants from being sprayed with this product during site preparation application.

#### Directed Spray, Spot Treatment, Wiper Applicator

USE INSTRUCTIONS: This product may be applied as a post-directed spray br spot treatment, or applied using a wiper applicator, around established Christmas trees, eucalyptus, poplar, and all other non-food tree crops.

#### PASTURE GRASSES, FORAGE LEGUMES 11.0 AND RANGELAND

USE INSTRUCTIONS: Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates of this product for specific weeds. When applied as directed, this product will control those annual and perennial grasses and broadleaf weeds listed. Application rates specified on this label for hard-to-control weeds, or those specified on separate supplemental labeling for this product, supersede rates listed in the "ANNUAL WEEDS RATE SECTION." "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label, Additional information on hard-to-control weeds can be found on Fact Sheets published for this product.

#### Alfalfa, Clover, and Other Forage Legumes 11.1

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

TYPES OF APPLICATION: Preplant: At-Planting: Preemergence: Spot Treatment: Wiper Applicator; Preharvest (except kenaf and leucaena); Stand Removal For directions for use with Roundup Ready alfalfa, see the "ROUNDUP READY CROPS" section of this label. 12

#### Preplant, At-Planting, Preemergence

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

RESTRICTIONS: Remove domestic livestock before application.

#### Spot Treatment, Wiper Applicator

USE INSTRUCTIONS: This product may be applied as a spot treatment or over the top of crops listed in this section using a wiper applicator. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label. Application may be repeated in the same area at 30-day intervals.

RESTRICTIONS: For spot treatment and use with a wiper applicator, apply in areas where the movement of domestic livestock can be controlled. Remove domestic livestock before application and wait a minimum of 3 days after application before grazing livestock or harvesting. Do not apply this product to more than 10 percent of the total field area at any one time.

#### Weed Control in Dormant Alfalfa

USE INSTRUCTIONS: This product will control or suppress many weeds. including quackgrass, downy brome and cheatgrass in dormant alfalfa. Apply 6 to 8 fluid ounces of this product per acre in the spring when alfalfa is dormant, after spring temperatures have warmed enough to encourage weed growth, but prior to initiation of trifoliate leaf expansion of the alfalfa crop. Application made after expansion of the first trifoliate leaf will cause growth reduction and reduced crop yield.

PRECAUTIONS: Improper application of this product to alfalfa can cause crop injury. Do not use this product on dormant alfalfa if a slight yield reduction in the first cutting cannot be tolerated. Slight discoloration of the alfalfa crop could occur, but will re-green and resume growth under moist soil conditions as effects of this product wear off.

RESTRICTIONS: Do not add ammonium sulfate to spray solutions of this product for application to dormant alfalfa. Do not make more than one application per year. Allow a minimum of 36 hours after application before grazing livestock or harvesting.

#### Preharvest (Except Kenaf and Leucaena), Stand Removal

USE INSTRUCTIONS: This product may be applied as a broadcast application prior to harvest (except in kenaf and leucaena) in declining stands or in any stand where severe crop injury or destruction is acceptable, or to remove an established stand of any forage legume listed in this section. Application may be made at any time of the year to control annual and perennial weeds, including quackgrass. For control of quackgrass, apply in the spring, late-summer or fall when quackgrass is actively growing. Application for quackgrass control must be followed by deep tillage for complete control. If the crop is to be harvested or grazed by livestock, apply up to 44 fluid ounces of this product per acre in alfalfa and up to 32 fluid ounces per acre in all other legumes listed in this section. For complete removal of established stands of clover, it might be necessary to use a higher application rate, as listed in the "PERENNIAL WEEDS RATE SECTION" of this label.

PRECAUTIONS: This application can destroy an alfalfa stand and severely injure or destroy other legume crops listed, such as clover. Preharvest application on alfalfa grown for seed could result in a reduction in germination or vigor. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on alfalfa grown for seed.

RESTRICTIONS: Make only one application to an existing crop stand per year. Remove domestic livestock before application. Foliage within the application area can be harvested and fed to livestock according to the application rates and intervals defined in the following table. If applying at a rate greater than those listed here, do not harvest foliage for livestock feed or allow livestock to graze within the application area.

Сгор	Maximum Single Preharvest Application Rate (per acre)	Minimum Interval Between Application and Harvest or Livestock Grazing
Alfalfa	44 fluid ounces	36 hours
All other legumes listed	32 fluid ounces	3 days

Crops listed on this label may be planted into the application area at any time; all other crops may be planted 30 days after application.

#### 11.2 Conservation Reserve Program (CRP)

TYPES OF APPLICATION: Postemergence Weed Control in Dormant CRP Grasses; Wiper Applicator; Renovation (rotating out of CRP); Site Preparation

## Postemergence Weed Control in Dormant CRP Grasses, Wiper Applicator

USE INSTRUCTIONS: Apply this product to suppress competitive growth and seed production of undesirable vegetation on CRP land. Application may be made using a wiper applicator to control tall weeds, or as a broadcast application or spot treatment to dormant CRP grasses. For selective weed control using broadcast application equipment, apply 5 to 8 fluid ounces of this product per acre in early-spring before desirable CRP grasses, such as crested and tall wheatgrass, break dormancy and initiate green growth. Late-fall application may be made after desirable perennial grasses have reached dormancy.

PRECAUTIONS: Some stunting of CRP perennial grasses will occur if broadcast application is made when plants are not dormant.

RESTRICTIONS: Do not apply more than 2 quarts of this product per acre per vear onto CRP land. No waiting period is required between application and grazing or harvesting for feed.

#### 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 information.

RESTRICTIONS: Crops listed on this label may be planted into the area at any time; all other crops may be planted 30 days after application.

#### 11.3 **Grass Seed and Sod Production**

LABELED CROPS: Any grass (Gramineae family), except Corn, Sorghum, Sugarcane and those listed in the "CEREAL AND GRAIN CROPS" section of this label

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Renovation; Removal of Established Stands: Site Preparation: Shielded Sprayer: Wiper Applicator: Spot Treatment: Creating Rows in Annual Ryegrass

#### Preplant, At-Planting, Preemergence, Renovation, Removal of Established Stand. Site Preparation

USE INSTRUCTIONS: This product controls most existing vegetation for purposes of renovating turf or forage grass seed production areas, or for establishing turfgrass grown for sod. This product may be used to destroy undesirable grass vegetation when production fields are converted to alternative species or crops. Do not disturb soil or underground plant parts before application and delay tillage or renovation techniques, including vertical mowing, coring and slicing, for a minimum of 7 days after application to allow for herbicide translocation into underground plant parts.

Apply before, during or after planting, or for renovation purposes, 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 herbicide spray. For maximum control of existing vegetation, delay planting until determining if any re-growth of underground plant parts will occur. Where repeat applications are necessary, sufficient re-growth must be attained prior to application. For warm-season grasses such as bermudagrass, summer or fall application provides enhanced control. Broadcast application of this product may be used to control sod remnants or other unwanted vegetation after sod is harvested. Application rates of up to 3.3 quarts per acre may be used to totally remove an established stand of hard-to-kill grass species.

RESTRICTIONS: If application rate is 2 quarts of this product per acre or less, no waiting period between application and feeding or livestock grazing is required. If the rate is greater than 2 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting. Crops listed on this label may be planted into the area at any time; all other crops may be planted 30 days after application.

#### Shielded Sprayer

USE INSTRUCTIONS: Apply 22 to 64 fluid ounces of this product in 10 to 20 gallons of water per acre using a shielded sprayer to control weeds between grass seed rows. Uniform planting in straight rows will aid shielded sprayer application. Enhanced results can be obtained when the grass seed crop is small enough to easily pass by the protective shields. See additional instructions on the use of shielded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Contact of this product in any manner to any vegetation to which application is not intended could cause damage.

## Wiper Applicator

USE INSTRUCTIONS: This product may be applied over the top of desirable grasses using a wiper applicator for the control of tall weeds. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Droplets, mist, foam or splatter of the herbicide solution settling onto desirable vegetation could result in discoloration, stunting or destruction.

### Spot Treatment

USE INSTRUCTIONS: Apply a 1-percent solution of this product using a handheld sprayer to control weeds within established vegetation prior to heading of grasses grown for seed or to control sod remnants or other unwanted vegetation after sod is harvested.

PRECAUTIONS: This product will kill the desirable grasses along with the weeds. Take care not to spray or allow spray to drift outside the target area in order to avoid unwanted crop destruction.

#### Creating Rows in Annual Ryegrass

USE INSTRUCTIONS: Use low-pressure nozzles or drop nozzles designed to target the application over a narrow band. Set nozzle height to establish the desired row spacing and apply 11 to 22 fluid ounces of this product per acre. Enhanced results can be obtained when application is made before ryegrass reaches 6 inches in height. Use a higher application rate within this range when ryegrass is greater than 6 inches in height.

PRECAUTIONS: Take care not to spray or allow spray to drift outside target area in order to avoid unwanted crop destruction. To the extent consistent with applicable law, grower assumes all responsibility for crop losses resulting from misapplication of this product.

#### 11.4 **Pastures**

LABELED CROPS: Bahiagrass; Bermudagrass; Bluegrass; Brome; Fescue; Guinea grass; Kikuyu grass; Orchardgrass; Pangola grass; Ryegrass; Timothy; Wheatgrass and any grass (Gramineae family), except Corn, Sorghum, Sugarcane and those listed in the "CEREAL AND GRAIN CROPS" section of this label

TYPES OF APPLICATION: Preplant: Preemergence: Pasture Renovation: Spot Treatment; Wiper Applicator; Postemergence Weed Control (broadcast application)

#### Preplant, Preemergence, Pasture Renovation

USE INSTRUCTIONS: This product may be applied for weed control prior to planting or emergence of forage grasses. This product may also be applied to control perennial pasture species listed on this label prior to re-planting.

RESTRICTIONS: If application rates total 2 quarts of this product per acre or less, no waiting period between application and feeding or livestock grazing is required. If the rate is greater than 2 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting. Crops listed on this label may be planted into the area at any time; all other crops may be planted 30 days after application.

#### Spot Treatment, Wiper Applicator

USE INSTRUCTIONS: This product may be applied in pastures as a spot treatment or over the top of desirable grasses using a wiper applicator to control tall weeds. To achieve maximum performance, remove domestic livestock before application and wait a minimum of 7 days after application before grazing livestock or harvesting for feed. See additional instructions bn the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: For spot treatment or use with a wiper applicator at rates of 2 quarts per acre or less, this product may be applied over the entire pasture br any portion of it. At rates above 2 quarts per acre, this product may be applied over no more than 10 percent of the total pasture at any one time. Application may be repeated on the same area at 30-day intervals.

### Postemergence Weed Control (Broadcast Application)

USE INSTRUCTIONS: This product may be applied in pastures to suppress competitive growth and seed production of annual weeds and other undesirable 13

vegetation. For selective weed control using broadcast application equipment, apply 8 to 11 fluid ounces of this product per acre in early-spring before desirable perennial grasses break dormancy and initiate green growth. Late-fall application may be made after desirable perennial grasses have reached dormancy.

PRECAUTIONS: Some stunting of perennial grasses will occur if broadcast application is made when plants are not dormant. Higher application rates may be used for hard-to-control weeds; however, higher rates will cause stand reduction.

RESTRICTIONS: No waiting period is required between application and grazing or harvesting for feed. Do not apply more than 2 quarts of this product per acre per year onto pasture grasses except for renovation use as described on this label. If replanting is needed due to severe stand reduction, wait a minimum of 30 days after application before planting any crop not listed on this label.

#### Rangeland 11.5

TYPES OF APPLICATION: Postemergence

USE INSTRUCTIONS: This product will control or suppress many annual weeds growing on perennial cool- and warm-season grass rangeland. Slight discoloration of the desirable grasses could occur, but will re-green and resume growing under moist soil conditions as effects of this product wear off.

Preventing seed production is critical to the control of invasive annual grassy weeds on rangeland. Follow-up applications in sequential years can be used to eliminate most of the viable seeds. Delay grazing of the area after application of this product to allow desirable perennials to grow, flower and re-seed the area

Apply 8 to 11 fluid ounces of this product per acre to control or suppress many weeds, including downy brome, cheatgrass, cereal rye and jointed goatgrass on rangeland. Apply when most mature brome plants are in early flower and before the plants, including seedheads, turn color. Allowing for secondary weed flushes to occur after spring rains further depletes the seed reserve and encourages perennial grass conversion on weedy sites. Apply this product in the fall in areas where spring moisture is normally limited and fall germination allows for good weed growth and weed seed depletion.

For control of medusahead, apply 11 fluid ounces of this product per acre at the 3-leaf stage. Delaying application beyond this stage will result in reduced or unacceptable control. Controlled burning prior to application can be useful in eliminating the thatch layer produced by slowly decaying culms. Allow new growth to occur before applying this product after a burn. Repeat applications in subsequent years are necessary to eliminate the seedbank before re-establishing desirable perennial grasses in medusahead-dominated

RESTRICTIONS: Do not apply more than 2 quarts of this product per acre per year on rangeland. Do not add ammonium sulfate to the spray mixture when applying this product on rangeland grasses. No waiting period between application and feeding or livestock grazing is required.

#### **12**.0 ROUNDUP READY CROPS

ROUNDUP READY CROPS CONTAIN A PATENTED GENE THAT PROVIDES TOLERANCE TO GLYPHOSATE, THE ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO CROPS THAT ARE NOT GLYPHOSATE TOLERANT. AVOID CONTACT OF THIS PRODUCT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A GLYPHOSATE-TOLERANCE GENE, AS SEVERE PLANT INJURY OR DESTRUCTION WILL RESULT. Information on Roundup Ready crops can be obtained from your seed supplier or Bayer CropScience LP representative. Roundup Ready crops must be purchased from an authorized licensed seed supplier.

The directions for use in the sections that follow, or those published separately on supplemental labeling for this product, include all applications of this product that may be made onto a specified Roundup Ready crop during the complete cropping season. DO NOT combine these directions for use with the directions for use with the same crops listed in the "ANNUAL AND PERENNIAL CROPS" and "PASTURE GRASSES, FORAGE LEGUMES AND RANGELAND" sections of this label, which are intended for crops that do not contain a glyphosate-tolerance gene.

in 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 planting. Bayer CropScience LP 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 a Roundup Ready trait cannot be used for research and demonstration, reverse engineering or in connection with herbicide registration. Progeny seed containing a Roundup Ready trait may not be saved for replanting or transferred to others for replanting. Contact your Authorized Bayer CropScience LP for information on obtaining a limited USE INSTRUCTIONS: Refer to the "ANNUAL WEEDS RATE SECTION" and

NOTE: Roundup Ready seed and the method of selectively controlling weeds

"PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds. When applied as directed, this product will control the annual and perennial grasses and broadleaf weeds listed. Observe the maximum application rates and crop stage timings specified for individual Roundup Ready crops in the sections that follow. Sprayer Preparation: It is important that sprayer and mixing equipment be clean and free of pesticide residue before being used to apply this product

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. ATTENTION: AVOID DRIFT, USE EXTREME CARE WHEN APPLYING THIS

over the top of Roundup Ready crops. Follow the cleaning procedures

PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS THAT DO NOT CONTAIN A GLYPHOSATE-TOLERANCE GENE. Ground broadcast application - Apply this product in 5 to 20 gallons of

spray solution per acre, unless otherwise directed. Select proper nozzles and spray pressure settings to avoid spraying a fine mist. For enhanced results with ground application equipment, use flat-fan nozzles. Check for even distribution of spray droplets. Aerial application — Unless otherwise prohibited, all applications of this

product described in this section may be made using aerial application equipment, where appropriate, provided that the applicator complies with the precautions and restrictions specified on this label and on all supplemental labeling published separately for this product. Apply this product in 3 to 15 gallons of water per acre. See the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for important information on aerial application and procedures for avoiding spray drift that could cause injury to any vegetation not intended for application. Use of appropriate buffer zones will help prevent injury to adjacent vegetation.

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

TANK MIXTURES: Tank mixtures of this product with other herbicides. insecticides, fungicides, micronutrients or foliar fertilizers could result in reduced weed control or crop injury when applied over the top of Roundup Ready crops. Read the label of all products used in the tank mixture prior to use to determine the potential for crop injury. Always read and follow label directions for all products in the tank mixture. Use all products according to rates and timing specified on the product label. Always predetermine the compatibility of tank-mix products together in the carrier by mixing small proportional quantities in advance. Bayer CropScience LP has not tested this product with all tank-mix product formulations for compatibility, antagonism or performance. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not specifically listed on this label or on separate supplemental labeling or Fact Sheets for this product. See the "MIXING" section of this label for more information on tank mixtures. Unless otherwise directed, nonionic surfactant may be added to the spray

solution for application to Roundup Ready crops. The addition of certain surfactants to a spray solution of this product could result in some crop response including leaf speckling or leaf necrosis due to the surfactant. Refer to the individual Roundup Ready crop sections that follow, or to separate supplemental labeling, for additional precautions or restrictions on the use of surfactants. Refer to the "MIXING" section of this label for additional information on the use of surfactants with this product.

Ammonium sulfate may be added to spray solutions of this product for application to Roundup Ready crops. Refer to the "MIXING" section of this label for instructions on the use of ammonium sulfate.

The following use directions are based on a clean start at planting by using a burndown application or tillage to control existing weeds before roop emergence. In no-till and stale seedbed systems, apply this product as a preplant burndown application to control existing weeds prior to crop emergence. Some weeds, such as black nightshade, broadleaf signalgrass, sicklepod, Texas panicum, sandbur, annual morning glory, woolly cupgrass, shattercane, wild proso millet, burcucumber, and giant ragweed with multiple germination times, or suppressed (stunted) weeds, might require a second application of this product for complete control. Make second application after some re-growth has occurred and a minimum of 10 days after a previous application of this product.

Application rates of this product specified on this label for hard-to-control weeds, or those specified on separate supplemental labeling for this product, supersede rates in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label. Additional information on hard-to-control weeds can be found on Fact Sheets published for this product.

RESTRICTIONS: Observe the maximum application rates stated throughout this label. Maximum application rates apply to the use of this product combined with the use of any and all other herbicides containing glyphosate, whether applied separately or as mixtures. Calculate the application rates 'glyphosate acid equivalents') and ensure that the total use of this and other glyphosate-containing products does not exceed the stated maximum rate. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates. When applying this product as a tank mixture with one or more products, refer to each individual tank-mix product label for estrictions and apply the tank mixture in accordance with the most restrictive statements for each product in the tank.

## 12.1 Roundup Ready Alfalfa

TYPES OF APPLICATION: Preplant; At-planting; Preemergence; Postemergence (In-crop)

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product.

	Maximum Application Rat	es
	Combined total per year for all applications, including Preplant during year of establishment	5.3 quarts per acre
Preplant, At-planting and Preemergence single application		44 fluid ounces per acre
	Combined total per year for In-crop application on newly established and established stands	4.1 quarts per acre

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT NFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied 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 the forage and hay, apply this product after weeds have emerged, but before alfalfa growth or re-growth interferes with spray coverage of the target weeds.

Refer to the "ANNUAL WEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds. When applied as directed, this product will control the annual and perennial grasses and broadleaf weeds listed. This product will also suppress or control the parasitic weed dodder (Cuscuta spp.) in Roundup Ready alfalfa. More than one application might be necessary for complete control.

PRECAUTIONS: Freezing or near freezing conditions, or large temperature swings, within 5 days after application of this product to Roundup Ready alfalfa could result in a limited, temporary crop response.

New Stand Establishment (Seeding Year) — Due to the biology and breeding constraints of alfalfa, up to 10 percent of the seedlings will not contain a 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, make a single application of at least 22 fluid ounces of this product per acre 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) Application Rates				
Prior to First Cutting				
From emergence up to 4 trifoliate leaves	22 to 44 fluid ounces per acre			
From 5 trifoliate leaves up to 5 days before first cutting	Up to 44 fluid ounces per acre			
After First Cutting				
In-crop application, per cutting, up to	Up to 44 fluid ounces per acre			

TANK MIXTURES: Up to 44 fluid ounces of this product per acre may be applied postemergence (in-crop) over the top of Roundup Ready alfalfa in the seeding year in a tank-mix with the following products after weeds have emerged, but before alfalfa growth or re-growth interferes with spray coverage of the target weeds. Ensure that the product used in the tank-mix is labeled for application postemergence (in-crop) to alfalfa. Read and follow label directions for all products in the tank mixture.

5 days before cutting

clethodim; imazamox; imazethapyr; sethoxydim; quizalofop p-ethyl

Assure II; Poast; Poast Plus; Pursuit; Raptor; Select 2 EC; Select Max Herbicide with Inside Technology

Pursuit or Raptor applied to seedling alfalfa could result in a 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 could result.

Established Stands (Non-seeding Year) — Refer to the following table for directions and application rates for in-crop application to established stands of alfalfa (non-seeding year).

ESTABLISHED STANDS (Non-seeding Year) Application Rates		
In-crop application, per cutting, up to 5 days before cutting	Up to 44 fluid ounces per acre	

TANK MIXTURES: This product may be applied postemergence (in-crop) over the top of established stands of Roundup Ready alfalfa in tank mixtures described below according to the growing condition of the crop. Ensure that the product used is labeled for application postemergence (in-crop) to alfalfa. Read and follow label directions for all products in the tank mixture.

Actively growing alfalfa: For control of emerged annual grasses and broadleaf weeds when alfalfa is actively growing, this product may be applied at up to 44 fluid ounces per acre in a tank mixture with the following herbicides.

clethodim; imazamox; imazethapyr; sethoxydim; quizalofop-p-ethyl

Assure II; Poast; Poast Plus; Pursuit; Raptor; Select 2 EC; Select Max Herbicide with Inside Technology

Do not include crop oil concentrate or methylated seed oil in tank mixtures of this product with Pursuit or Raptor as unsatisfactory crop injury could result.

**Dormant alfalfa:** For control of emerged annual grasses and broadleaf weeds when alfalfa is dormant, this product may be applied at up to 44 fluid ounces per acre in a tank mixture with the following herbicides when daily temperatures remain above freezing.

imazamox; imazethapyr; metribuzin; pronamide; propyzamide

Kerb 50-W: Kerb SC: Pursuit: Raptor: TriCor 4F: TriCor DF

Do not include crop oil concentrate or methylated seed oil in tank mixtures of this product with Pursuit or Raptor as unsatisfactory crop injury could result.

PRECAUTIONS: Where Roundup Ready alfalfa is grown with a companion or cover crop, or is over-seeded with a second species, in-crop (over-the-top) application of this product will eliminate the non-Roundup Ready (non-glyphosate-tolerant) species.

RESTRICTIONS: Do not exceed 44 fluid ounces per acre for any single in-crop application of this product. Sequential applications of this product must be a minimum of 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 4.1 quarts (132 fluid ounces) per acre. Do not apply to frozen or snow covered ground. Remove domestic livestock before application. Wait a minimum of 5 days after application before grazing, or cutting or feeding of forage and hay.

## 12.2 Roundup Ready Canola (Spring Varieties)

For directions for use of this product on TruFlex™ Roundup Ready® Canola, refer to that section of this label. DO NOT combine these directions for use on Roundup Ready canola with the directions for use on TruFlex™ Roundup Ready® canola.

Roundup Ready spring canola is defined as those Roundup Ready canola

varieties that are seeded in the spring and harvested in the fall and do not enter a winter dormancy period. TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence

(In-crop); Postemergence (In-crop) in Hybrid Seed Production Only
USE INSTRUCTIONS: Refer to the following table for the maximum application
rates for this product with spring varieties of Roundum Ready canala

rates for this product with spring varieties of Roundup Ready Canola.			
Maximum Application Rates			
Total for all Preplant, At-Planting, Preemergence applications	44 fluid ounces per acre		
Total for all In-crop applications from	22 fluid ounces per acre		

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 44 fluid ounces per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied postemergence (in-crop) to spring varieties of Roundup Ready canola from emergence through the 6-leaf stage of development, unless otherwise directed. Application made during bolting or flowering could result in crop injury and yield loss. To maximize yield potential, elliminate competing weeds early.

<u>Single Application</u> — Apply 11 to 16 fluid ounces of this product per acre no later than the 6-leaf stage for the control of annual weeds. Avoid overlapping applications as this could result in temporary yellowing, delayed flowering, and/or growth reduction. Similar crop injury could result when more than 11 fluid ounces per acre is applied after the 4-leaf stage.

Sequential Application — Apply 11 fluid ounces of this product 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 application works better for control of early emerging annual and perennial weeds, such as Canada thistle and quackgrass, or whenever more than one application is needed for acceptable weed control.

RESTRICTIONS: No more than two in-crop (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 22 fluid ounces of this product per acre. Allow a minimum of 60 days between application and canola harvest.

#### Postemergence (In-crop) in Hybrid Seed Production Only

THIS POSTEMERGENCE APPLICATION IS FOR USE ONLY IN HYBRID CANOLA SEED PRODUCTION OF BOTH SPRING AND WINTER VARIETIES. DO NOT MAKE THIS APPLICATION ON CANOLA GROWN FOR FOOD OR FFFD.

This product may be applied at a rate of between 11 and 22 fluid ounces per acre from emergence until pollination is complete or near completion for the control of non-glyphosate-tolerant canola pollen parental line(s) in hybrid canola seed production fields containing both Roundup Ready canola line(s) and non-glyphosate-tolerant line(s). Sequential applications may be made for the control of non-glyphosate-tolerant pollen parental lines up to a maximum total application rate of 22 fluid ounces per acre.

RESTRICTIONS: Allow a minimum of 5 days between sequential applications. Maximum total application rate of this product for ALL postemergence (in-crop) applications in hybrid canola seed production fields, including application for weed control and control of non-glyohosate-tolerant canola, is 22 fluid ounces per acre.

## 12.3 Roundup Ready Canola (Winter Varieties)

For directions for use of this product on TruFlex Roundup Ready Canola, refer to that section of this label. DO NOT combine these directions for use on Roundup Ready canola with the directions for use on TruFlex Roundup Ready canola.

Roundup Ready winter canola is defined as those Roundup Ready canola varieties that are seeded in early-fall and harvested the following spring or summer. Winter canola varieties are intended to enter a cold period dormancy in the winter.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop)

USE INSTRUCTIONS: Refer to the following table for the maximum application rates of this product with winter varieties of Poundup Ready canals

rates of this product with writer varieties of Roundup Ready Carlora.			
Maximum Application Rates			
Total for all Preplant, At-Planting, Preemergence	44 fluid ounces		
applications	per acre		
Total for all In-crop applications from emergence	44 fluid ounces		
to canopy closure or prior to bolting in the spring	per acre		

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied to winter varieties of Roundup Ready canola from emergence to canopy closure in the fall and prior to botting in the spring. Application made during or after botting could result in crop injury and vield loss. To maximize vield obtential, eliminate competing weeds early.

Some weeds with multiple germination times, or suppressed (stunted) weeds, or weeds that have overwintered, might need a sequential application of this product for control. Make the second application after some re-growth has occurred and a minimum of 60 days after the initial application of this product.

<u>Single Application</u> — Apply 16 to 22 fluid ounces of this product per acre in the fall when weeds are small and actively growing. Use a higher rate within this range when weed densities are high, when weeds have overwintered or when weeds become large and well established. Application of more than 16 fluid bunces per acre prior to the 6-leaf stage could result in reduced crop growth in the fall. Avoid spray overlaps as this could result in temporary yellowing and/or growth reduction.

Sequential Application — Apply 1.1 to 2.2 fluid ounces of this product per acre to 2-leaf or larger canola in the fall, followed by a sequential application at the same rate and at a minimum interval of 60 days, but before bothing in the spring. Sequential application works best for control of early-emerging annual weeds and winter-emerging weeds, such as downy brome, jointed goatgrass and ryegrass, and for weeds that have overwintered. This product will control or suppress most perennial weeds. For some perennial weeds, a sequential application might be needed to reduce commettion with the croo.

RESTRICTIONS: No more than two over-the-top broadcast applications may be made from crop emergence up to the onset of bolting and the total in-crop application must not exceed 44 fluid ounces of this product per acre. Allow a minimum of 60 days between application and harvest of canola grain. No waiting beriod is required between application and open grazing of livestock.

## 12.4 TruFlex Roundup Ready Canola (Spring Varieties)

TruFlex Roundup Ready spring canola is defined as those varieties of TruFlex Roundup Ready canola that are seeded in the spring and harvested in the fall and do not enter a period of winter dormancy.

The directions for use provided in this section are specific to and may only be used with varieties designated as TruFlex Roundup Ready canola. Applications described on this label made over the top of canola that is not designated as TruFlex Roundup Ready canola could cause serious crop injury and reduced yields. Do NOT combine these directions for use with those in the "Roundup Ready Canola" section of this label or with any other directions for use on canola on labeling for this or any other glyphosate-containing product. Drift of this product from an application made to TruFlex Roundup Ready canola onto adjacent fields of Roundup Ready canola could cause extensive crop injury.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop); Postemergence (In-crop) in Hybrid Seed Production Only

USE INSTRUCTIONS: Refer to the following table for the maximum application rates of this product with spring varieties of TruFlex Roundup Ready canola.

Maximum Application	n Rates
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre
Total for all In-crop applications from emergence through harvest	44 fluid ounces per acre
Total for all In-crop applications from emergence through the 6-leaf stage	44 fluid ounces per acre
Total for all In-crop applications from the 6-leaf stage through first-flower	22 fluid ounces per acre

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Anolication Rates.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: Up to 3.3 quarts of this product may be applied before, during or after planting spring varieties of TruFlex Roundup Ready canola.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied postemergence (in-crop) to spring varieties of Turllex Roundup Ready canola from emergence through the first-flower stage of development. To maximize yield potential, eliminate competing weeds early.

For control of Canada thistle and morning glory, apply 44 fluid ounces of this product per acre no later than the 6-leaf stage of canola development. For control of wild buckwheat over 2 inches in size, make sequential applications of 22 fluid ounces followed by 22 fluid ounces of this product per acre. For control of other annual weeds, apply up to 44 fluid ounces of this product per acre no later than the 6-leaf stage or up to 22 fluid ounces after the 6-leaf stage through first-flower.

RESTRICTIONS: No more than two in-crop (over-the-top) broadcast applications may be made from crop emergence through the first-flower stage of canola development and the total in-crop application must not exceed 44 fluid ounces of this product per acre. No more than 22 fluid ounces of this product may be applied in-crop after the 6-leaf stage.

#### Postemergence (In-crop) in Hybrid Seed Production Only

THIS POSTEMERGENCE APPLICATION IS FOR USE ONLY IN HYBRID CANOLA SEED PRODUCTION OF BOTH SPRING AND WINTER VARIETIES. DO NOT MAKE THIS APPLICATION ON CANOLA GROWN FOR FOOD OR FEED.

This product may be applied at a rate of between 11 and 22 fluid ounces per acre from emergence until pollination is complete or near completion for the control of non-flyphosate-tolerant canala pollen parental line(s) in hybrid canola seed production fields containing both Roundup Ready canola line(s) and non-glyphosate-tolerant line(s). Sequential applications may be made for the control of non-glyphosate-tolerant pollen parental lines up to a maximum total application rate of 22 fluid ounces per acre.

RESTRICTIONS: Allow a minimum of 5 days between sequential applications; Maximum total application rate of this product for ALL postemergence (in-crop) applications in hybrid canola seed production fields, including application for weed control and control of non-glyphosate-tolerant canola; is 22 fluid ounces per acre.

## 12.5 Field Corn Hybrids with Roundup Ready 2 Technology

Field corn hybrids with Roundup Ready 2 Technology include Roundup Ready Corn 2 and field corn seed products displaying the Roundup Ready 2 Technology logo.

The directions for use in this section apply only to use on FIELD CORN hybrids with Roundup Ready 2 Technology. For directions for use on SWEET CORN hybrids that contain Roundup Ready 2 Technology, see the "Sweet Corn Hybrids with Roundup Ready 2 Technology" section of this label.

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TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop); Spot Treatment; Preharvest; Post-Harvest; Postemergence (In-crop) for Tassel Control in Roundup Hybridization Systems Only

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with field corn hybrids with Roundup Ready 2 Technology.

rates of this product with field corn hybrids with koundup keady 2 lechnology.						
Maximum Application Rates						
Combined total per year for all applications	5.3 quarts per acre					
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre					
Maximum single In-crop application rate up to 48-inch corn	32 fluid ounces per acre					
Total for all In-crop applications from emergence through 48-inch corn	64 fluid ounces 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*	22 fluid ounces per acre					

\*See RESTRICTIONS for Preharvest application.

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

PRECAUTIONS: The use of the in-crop (over-the-top) rates described in this section on other than field corn hybrids with Roundup Ready 2 Technology could cause crop injury and reduced yields.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting field corn hybrids with Roundup Ready 2 Technology.

TANK MIXTURES: This product may be tank-mixed with the following products: Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre. Ensure that the product used is labeled for application prior to emergence of field corn. Read and follow label directions for all products in the tank mixture.

2,4-D; acetochlor; atrazine; bicyclopyrone; carfentrazone-ethyl; clopyralid; dicamba; diflufenzopyr; dimethenamid; dimethenamid-p; flufenacet; flumetsulam; flumiclorac pentyl ester; isoxaflutole; linuron; mesotrione; metolachlor; s-metolachlor; metribuzin; pendimethalin; rimsulfuron; saflufenacil; simazine; thiencarbazone-methyl

AAtrex AL; AAtrex Nine-O; Acuron; Acuron Flexi; Aim EC; Aim EW; Atrazine 4L; Atrazine 90 DF; Aviom DF; Balance Flexx; Barwel; Balance 480; Bicep II MAGNUM; Bicep II MAGNUM; Callisto; Cinch; Cinch ATZ; Cinch ATZ Lite; Clarity; Corvus; Degree Xtra; Distinct; Dual MAGNUM; Dual II MAGNUM; FulTime; FulTime NXT; Guardsman MAX; Harness; Harness Xtra; Harness Xtra 5.6L; Homet WDG Broadleaf Blend; Keystone; Keystone LA; Keystone IAXT; Leadoff; Linex 4L; Lorx DF; Marksman; Me-Too-Lachlor II; Outlook; Prowl 3.3 EC; Prowl H2D; Python WDG; Resicore; Resolve DF; Resolve Cg; Resolve SC; Resource; Shark EW; Shark H2O; Sharpen Powered by Kixor; Simazine 4L Flowable; Simazine 90DF; Simazine 90 WDG; Stalwart; Stalwart C; Stalwart Kra; Friole FLEX III

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season. Application of 2,4-D or dicamba must be made a minimum of 7 days prior to planting com.

NOTE: For maximum weed control, make a postemergence (in-crop) application of this product following application of a preemergence residual broduct listed above.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied alone or in a tank-mix over the top of field corn hybrids with Roundup Ready 2 Technology from emergence through the V8 stage (8 leaves with collars), or until corn plant height reaches 30 inches (freestanding), whichever comes first, unless otherwise directed. Use drop nozzles for optimum spray coverage and weed control when corn plant height is 24 to 30 inches. When corn plants are 30 to 48 inches tall (freestanding), apply this product using only ground application equipment fitted with drop nozzles aligned to avoid spraying into the whorls of the corn plants. Maximum single in-crop application rate of this product up to 48-inch field corn is 32 fluid ounces per acre. Total in-crop application of this product from corn plant emergence through 48 inches in height must not exceed 64 fluid ounces per acre.

When applied as directed, this product will control annual grasses and broadleaf weeds listed on this label. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product. Make a postemergence application of 16 to 22 fluid ounces of this product per acre before weeds exceed 4 inches in height (before they become competitive with the crop). Repeat this application before new flushes of weeds exceed 4 inches in height.

TANK MIXTURES: This product may be tank-mixed with the following products. Ensure that the product used is labeled for application postemergence (in-crop) to field corn. Read and follow label directions for all products in the tank mixture.

2.4-D; acetochlor; atrazine; bicyclopyrone; carfentrazone-ethy; clopyralid; dicamba; diflufenzopyr; flumetsulam; flumiclorac pentyl ester; foramsulfuron; halosulfuron-methyl; iodosulfuron-methyl-sodium; isoxaflutole; mesotrione; nicosulfuron; rimsulfuron; tembotrione; thinecarbazono-methyl; thinec

Acuron; Acuron Flexi; Aim EC; Aim EW; Banvel, Banvel 480; Basis; Basis Blend; Callisto, Callisto Mra. Capreno; Clarity; Corvus; Degree Mra; Distinct; Harness; Harness Xtra; Harness Xtra; Acti, Pronet WDG Broadleaf Blend; Impact; Laudis; Marksman; Resicore; Resolve DF; Resolve C; Resolve SG; Resource; Shark EW; Shark H2O; Status; TrioleFLEX II; Warrant

RESTRICTIONS: Allow a minimum of 10 days between in-crop applications of this product. Allow a minimum of 50 days between application of this product and harvest of corn forage or grain.

#### Preharvest

USE INSTRUCTIONS: Up to 22 fluid ounces of this product per acre may be applied for annual and perennial weed control prior to harvest when kernel fill is complete and the corn is physiologically mature (black layer formed) and grain moisture is 35 percent or less.

RESTRICTIONS: A preharvest application may be made only if the combined total of previously applied over-the-top or drop nozzle applications does not exceed 44 fluid ounces of this product per acre. Allow a minimum of 7 days between application and harvest or feeding of corn stover or grain.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after prop harvest. Higher rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2.4—D or dicamba may be used. Ensure that the product used is labeled for post-harvest application in field corn. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest br the feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

#### Postemergence (In-crop) for Tassel Control in Roundup Hybridization Systems Only

THIS APPLICATION IS FOR USE ONLY IN SEED PRODUCTION OF CORN HYBRIDS USING THE ROUNDUP HYBRIDIZATION SYSTEM (RHS), DO NOT MAKE THIS APPLICATION ON CORN GROWN FOR FOOD OR FEED.

The RHS designation indicates that the corn contains Bayer CropScience LP proprietary gene technology that allows for tassel-only susceptibility to this product. Use of this product on corn hybrids or inbreds that are not designated as RHS or as corn containing Roundup Ready 2 Technology could result in severe crop injury and yield loss.

USE INSTRUCTIONS: This product may be applied at rates of between 11 and 32 fluid ounces per acre as an over-the-top broadcast application for tassel control in RHS-based seed com production fields from the V8 stage until either the V13 stage or 100 GDU (Growing Degree Units) before flowering.

RESTRICTIONS: Make no more than two applications of this product for tassel control. The maximum total application rate of this product for tassel control is 64 fluid ounces. The maximum combined total amount of this product that may be applied per year for both weed control and tassel control is 5.3 quarts per acre.

## 12.6 Sweet Corn Hybrids with Roundup Ready 2 Technology

Sweet corn hybrids with Roundup Ready 2 Technology include Roundup Ready Sweet Corn and sweet corn seed products displaying the Roundup Ready 2 Technology logo.

The directions for use in this section apply only to use on SWEET CORN hybrids with Roundup Ready 2 Technology. For directions for use on FIELD CORN hybrids that contain Roundup Ready 2 Technology, see the "Field Corn Hybrids with Roundup Ready 2 Technology" section of this label.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop)

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with sweet corn hybrids with Roundup Ready 2 Technology.

Maximum Application Rates	
Combined total per year for all applications	5.3 quarts per acre
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre
Maximum single In-crop application rate up to 48-inch sweet corn	44 fluid ounces per acre
Total for all In-crop applications from emergence through 48-inch sweet corn	4.1 quarts per acre

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

PRECAUTIONS: The use of the in-crop (over-the-top) applications described in this section on other than sweet corn hybrids with Roundup Ready 2 Technology could cause crop injury and reduced yields.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting sweet corn hybrids with Roundup Ready 2 Technology.

TANK MIXTURES: This product may be tank-mixed with the residual herbicide products listed below for maximum weed control. Ensure that the product used is labeled for application prior to emergence of sweet corn. Read and follow label directions for all products in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water or in 10 to 60 gallons of nitrogen solution per acre.

acetochlor; atrazine; carfentrazone-ethyl; dimethenamid-p; metolachlor; s-metolachlor

AAtrex 4L; AAtrex Nine-O; Aim EC; Aim EW; Atrazine 4L; Atrazine 90 DF; Bicep II MAGNUM; Bicep II MAGNUM FC; Bicep Lite II MAGNUM; Cinch; Cinch ATZ; Degree Xtra; Dual MAGNUM; Dual II Magnum; FulTime; Guardsman MAX; Harness; Atra; Harness Xtra; Harness Xtr

per acre per season.

Postemergence (In-crop)

USE INSTRUCTIONS: Apply this product alone or in a tank mixture over the top of sweet corn hybrids with Roundup Ready 2 Technology from emergence through the V8 stage (8 leaves with collars), or until sweet corn plant height reaches 30 inches (freestanding), whichever comes first. Use drop nozzles for optimum spray coverage and weed control when sweet corn plant height is 24 to 30 inches. When sweet corn plants are 30 to 48 inches tall (freestanding), apply this product using anly ground application equipment fitted with drop nozzles aligned to avoid spraying into the whorls of the sweet corn plants. Avoid spraying if the crop has reached the reproductive stage; Maximum single in-crop application rate of this product up to 48-inch sweet corn is 44 fluid ounces per acre. Total in-crop application of this product from is 44 fluid ounces per acre. Total in-crop application of this product from

RESTRICTIONS: Maximum quantity of this product that may be applied for all

preplant, at-planting and preemergence applications combined is 3.3 quarts

emergence through 48 inches in height must not exceed 4.1 quarts (132 fluid ounces) per acre per growing season. When applied as directed, this product will control annual grasses and broadleaf weeds listed on this label. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product, Apply 16 to 22 fluid ounces of this product par acre before weeds exceed 4 inches in height or before they become competitive with the crop. If new flushes of weeds occur, a sequential application of 16 to 22 fluid ounces per acre may be made before weeds exceed 4 inches in height.

TANK MIXTURES: This product may be tank-mixed with the following products: Ensure that the product used is labeled for application postemergence (in-crop) to sweet corn. Read and follow label directions for all products in the tank mixture.

atrazine; carfentrazone-ethyl; foramsulfuron; tembotrione; topramezone AAtrex 41 : AAtrex Nine-O: Aim FC: Aim FW: Atrazine 41 : Atrazine 90 DF:

Callisto; Callisto Xtra; Impact; Laudis
RESTRICTIONS: Allow a minimum of 10 days between in-crop applications
of this product. Do not apply atrazine in a tank-mix with this product when
sweet corn plants are greater than 12 inches tall. Allow a minimum of 30 days
between application of this product and harvest of sweet corn forage or grain.

## 12.7 Roundup Ready Cotton

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop); Selective Equipment (In-crop); Preharvest

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready cotton.

Maximum Application Rates							
Combined total per year for all applications	5.3 quarts per acre						
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre						
Total for all In-crop applications from cracking to layby	2.5 quarts per acre						
Maximum Preharvest application rate	44 fluid ounces per acre						
Combined total for all In-crop applications 4 quarts per from emergence through harvest							

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT, INFORMATION," section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with 2,4-D or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to the emergence of cotton. Read and follow label directions for all products in the tank mixture. acetochlor: clomazone: diuron: flumioxazin: fluometuron: fomesafen: metolachlor; s-metolachlor; norflurazon; pendimethalin; prometyrn; pyrithiobac-sodium: saflufenacil

Caparol 4L; Command 3ME; Cotoran 4L; Cotton Pro; Dawn; Direx 4L; Dual MAGNUM: Dual II MAGNUM: Karmex DF: Prowl 3.3 EC: Prowl H2O: Reflex; Rowel; Sharpen Powered by Kixor; Stalwart; Staple LX; Valor SX; Warrant: Warrant Ultra

RESTRICTIONS: Maximum quantity of this product that may be applied for all breplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied over the top of Roundup Ready cotton (in-crop) at rates of up to 22 fluid ounces per acre per application from cracking until the 4-leaf (node) stage of development (until the fifth true leaf reaches the size of a quarter), NO MORE THAN TWO OVER-THE-TOP BROADCAST APPLICATIONS MAY BE MADE FROM CROP EMERGENCE THROUGH THE 4-LEAF (NODE) STAGE OF DEVELOPMENT. SEQUENTIAL OVER-THE-TOP OR POST-DIRECTED APPLICATIONS OF THIS PRODUCT IN-CROP MUST BE A MINIMUM OF 10 DAYS APART AND COTTON MUST HAVE AT LEAST TWO NODES OF INCREMENTAL GROWTH BETWEEN APPLICATIONS. Over-the-top application made after the 4-leaf (node) stage

of development could result in boll loss, delayed maturity and/or yield loss.

TANK MIXTURES: This product may be tank-mixed with the following products and applied over the top of Roundup Ready cotton up to the 4-leaf stage. Ensure that the product used is labeled for application postemergence (in-crop) to cotton. Read and follow label directions for all products in the tank mixture. acetochlor; clethodim; fluazifop-P-butyl; fomesafen; metolachlor; s-metolachlor; monosodium acid methanearsonate; pyrithiobac-sodium; quizalofop-P-ethyl, sethoxydim; trifloxysulfuron-sodium

Assure II: Dual MAGNUM: Dual II MAGNUM: Envoke: Fusilade DX: MSMA 6 Plus; MSMA 6.6; Poast; Poast Plus; Reflex; Select; Select 2 EC; Select Max Herbicide with Inside Technology: Stalwart: Staple LX: Warrant: Warrant Ultra

Staple LX could cause leaf vellowing and/or leaf crinkling when applied postemergence (in-crop) to Roundup Ready cotton.

Dual MAGNUM, Dual II MAGNUM and Stalwart applied over the top of Roundup Ready cotton could cause leaf injury in the form of necrotic

Salvage Treatment – may be made after the 4-leaf stage of development and only when weeds threaten to cause the loss of the crop. Apply 22 fluid bunces of this product per acre either as an over-the-top application or as a post-directed application sprayed higher on the cotton plants and onto the

IN THE STATE OF ARIZONA ONLY, up to 32 fluid ounces of this product may be applied per acre either as an over-the-top application or a post-directed application for salvage treatment.

NOTE: SALVAGE TREATMENT WILL RESULT IN SIGNIFICANT BOLL LOSS, DELAYED MATURITY AND/OR YIELD LOSS. NO MORE THAN ONE SALVAGE TREATMENT MAY BE MADE PER GROWING SEASON

RESTRICTIONS: Maximum quantity of this product that may be applied for all in-crop applications from cracking to layby combined is 2.5 quarts per acre per season. Allow a minimum of 7 days between application and harvest of cotton, DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT (OTHER THAN THOSE CONTAINED IN ANY TANK-MIX PRODUCT) FOR OVER-THE-TOP APPLICATION TO ROUNDUP READY

#### Selective Equipment (In-crop)

USE INSTRUCTIONS: This product may be applied using precision post-directed or hooded sprayers at rates of up to 22 fluid ounces per acre per application to Roundup Ready cotton through layby. At this crop stage, use post-directed application equipment to direct the spray towards the base of the cotton plants, avoiding contact of the herbicide spray with the leaves of the plant. To minimize contact, maintain a low spray pressure (less than 30 pounds per square inch) and place nozzles in a low position directing a horizontal spray pattern under the leaves of the cotton plant and onto the weeds in the row. For enhanced results, apply this product while weeds are

small (less than 3 inches in height). See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

TANK MIXTURES: This product may be tank-mixed with the following products for in-crop application using precision post-directed or hooded sprayers. Ensure that the product used is labeled for application postemergence (in-crop) to cotton. Read and follow label directions for all products in the tank mixture. acetcohlor; carfentrazone-ethyl; diuron; flumioxazin; fluometuron;

fomesafen: linuron: metolachlor: monosodium acid methanearsonate: pendimethalin; prometym; pyrithiobac-sodium; trifloxysulfuron-sodium Aim EC; Aim EW; Caparol 4L; Cotoran 4L; Direx 4L; Envoke; Layby-Pro; MSMA 6 Plus: MSMA 6.6: Prowl 3.3 EC: Prowl H20: Rowel: Staple LX:

Valor SX, Warrant: Warrant Ultra

Staple LX could cause leaf vellowing and/or leaf crinkling when applied postemergence (in-crop) to Roundup Ready cotton.

RESTRICTIONS: Maximum quantity of this product that may be applied for all in-crop applications from cracking to layby combined is 2.5 quarts per acre per season. Allow a minimum of 7 days between application and harvest of cotton. NO MORE THAN TWO APPLICATIONS OF THIS PRODUCT MAY BE MADE FROM THE 5-LEAF STAGE THROUGH LAYBY, SEQUENTIAL OVER-THE-TOP OR POST-DIRECTED IN-CROP APPLICATIONS OF THIS PRODUCT MUST BE A MINIMUM OF 10 DAYS APART AND COTTON MUST HAVE AT LEAST TWO NODES OF INCREMENTAL GROWTH BETWEEN APPLICATIONS.

USE INSTRUCTIONS: Up to 44 fluid ounces of this product per acre may be applied for annual and perennial weed control prior to crop harvest after 20 percent boll crack.

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

PRECAUTIONS: Do not apply this product for preharvest weed control to cotton grown for seed, as a reduction in germination or vigor could occur. Buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on Roundup Ready cotton grown for seed.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest of cotton, DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR PREHARVEST APPLICATION TO ROUNDUP READY COTTON.

ATTENTION: USE OF THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS IS EXPECTED TO RESULT IN NORMAL GROWTH OF ROUNDUP READY 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 ACCORDANCE WITH THE LABEL DIRECTIONS. IN SOME CASES, THESE FACTORS CAN RESULT IN BOLL LOSS, DELAYED MATURITY AND/OR YIELD LOSS.

#### Roundup Ready Flex Cotton **12**.8

The directions for use of this product provided in this section are specific to and may only be used with varieties designated as Roundup Ready Flex cotton. Applications described in this section made over the top of cotton other than Roundup Ready Flex cotton will cause crop injury and reduced yields. DO NOT combine the directions for use in this section with those in the "Roundup Ready Cotton" section of this label, or with any other directions for use on Roundup Ready cotton or Roundup Ready Flex cotton on labeling for this or any other glyphosate-containing product. Drift of this product from an application made to Roundup Ready Flex cotton onto adjacent fields of post 4-leaf (node) Roundup Ready cotton could cause extensive crop injury, including boll loss, delayed maturity and/or yield loss.

TYPES OF APPLICATION: Preplant: At-Planting: Preemergence: Postemergence (In-crop); Preharvest

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready Flex cotton.

Maximum Application	Rates
Combined total per year for all applications	5.3 quarts per acre
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre
Total for all In-crop applications from cracking to 60 percent open bolls	4.0 quarts per acre
Total for all In-crop applications between layby and 60 percent open bolls	44 fluid ounces per acre
Total for all in-crop applications from 60 percent open bolls to 7 days prior to harvest	44 fluid ounces per acre
Total for all In-crop applications from emergence through harvest	4 quarts per acre
See the "ROUNDUP READY CROPS" section	of this label for informatio

regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with 2,4-D or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of cotton. Read and follow label directions for all products in the tank mixture.

acetochlor; clomazone; diuron; flumioxan; fluometuron; fomesafen; metolachlor; s-metolachlor; norflurozon; pendimethalin; prometyrn; pyrithiobac-sodium; saflufenacil

Caparol 4L: Command 3ME: Cotoran 4L: Cotton Pro: Dawn 4L: Direx: Dual MAGNUM: Dual II MAGNUM: Karmex DF: Prowl 3.3 EC: Prowl H20: Reflex: Rowel; Sharpen Powered by Kixor; Stalwart; Staple LX; Valor SX; Warrant; Warrant Ultra

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied to control annual grasses and broadleaf weeds listed on this label in Roundup Ready Flex cotton. To maximize yield potential, eliminate competing weeds early. Many perennial weeds will be controlled or suppressed with one or more applications of this product Use an initial application rate of 22 fluid ounces per acre to control or suppress 1 to 3 inch tall annual grasses and broadleaf weeds. This product may be applied postemergence to Roundup Ready Flex cotton using ground application equipment at rates up to 32 fluid ounces per acre per application. In addition to broadcast application, post-directed spray equipment may be used to achieve more thorough weed coverage.

IN THE STATES OF ARIZONA, NEW MEXICO AND TEXAS (WEST OF I-35) ONLY, up to 44 fluid ounces of this product per acre may be applied per postemergence application using ground application equipment.

TANK MIXTURES: This product may be tank-mixed with the following products and applied postemergence (in-crop) over the top of Roundup Ready Flex

acetochlor; clethodim; fluazifop-P-butyl; fomesafen; metolachlor; s-metolachlor; monosodium acid methanearsonate; pyrithiobac-sodium; quizalofop-p-ethyl; sethoxydim; trifloxysulfuron-sodium

Assure II: Dual MAGNUM: Dual II MAGNUM: Envoke: Fusilade DX: MSMA 6 Plus: MSMA 6.6: Poast: Poast Plus: Reflex: Select: Select 2 EC: Select Max Herbicide with Inside Technology; Stalwart; Staple LX; Warrant; Warrant Ultra

Staple LX could cause leaf yellowing and/or leaf crinkling when applied postemergence (in-crop) in Roundup Ready Flex cotton.

Dual MAGNUM, Dual II MAGNUM and Stalwart applied over the top of Roundup Ready Flex cotton could cause leaf injury in the form of necrotic spotting.

This product may be tank-mixed with the following products for in-crop application using precision post-directed or hooded sprayers.

acetochlor; carfentrazone-ethyl; diuron; flumioxazin; fluometuron; fomesafen; linuron; metolachlor; monosodium acid methanearsonate; pendimethalin: prometyrn: pyrithiobac-sodium: trifloxysulfuron-sodium

Aim EC; Aim EW; Caparol 4L; Cotoran 4L; Direx 4L; Envoke; Layby-Pro; MSMA 6 Plus: MSMA 6.6: Prowl 3.3 EC: Prowl H20: Rowel: Staple LX: Valor SX; Warrant; Warrant Ultra

Staple LX could cause leaf vellowing and/or leaf crinkling when applied

postemergence (in-crop) in Roundup Ready Flex cotton.

Ensure that the product used is labeled for application postemergence (in-crop) to cotton. Read and follow label directions for all products in the tank mixture. RESTRICTIONS: The maximum single, in-crop application rate of this product

to Roundup Ready Flex cotton using ground application equipment is 32 fluid bunces per acre, except in Arizona, New Mexico and west Texas (west of 1-35 only), where up to 44 fluid ounces per acre may be applied in a single application using ground application equipment. In-crop application rates above 22 fluid ounces per acre made alone or with the addition of other crop chemical products containing surfactant could cause a crop response including leaf speckling or leaf necrosis. Do not exceed a maximum single, in-crop application rate of 22 fluid ounces of this product per acre when using aerial application equipment, except in Arizona, New Mexico and west Texas (west of I-35 only), where up to 32 fluid ounces may be applied as a single application using aerial application equipment. Between layby and 60 percent open bolls, the maximum combined total application rate of this product is 44 fluid ounces per acre. The combined total for all

DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR OVER-THE-TOP APPLICATION TO ROUNDUP READY FLEX COTTON.

bolls must not exceed 4.0 quarts per acre.

applications of this product made from crop emergence to 60 percent open

## Preharvest

USE INSTRUCTIONS: Up to 44 fluid ounces of this product per acre may be applied to Roundup Ready Flex cotton for annual and perennial weed control prior to harvest after 60 percent boll crack.

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

RESTRICTIONS: Allow a minimum of 7 days between application and harvest of Roundup Ready Flex cotton, DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR PREHARVEST APPLICATION TO ROUNDUP READY FLEX COTTON.

**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 ACCORDANCE WITH THE LABEL DIRECTIONS. IN SOME CASES, THESE FACTORS CAN RESULT IN BOLL LOSS. DELAYED MATURITY AND/OR YIELD LOSS.

#### 12.9 Roundup Ready Soybean

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop); Preharvest; Post-Harvest

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready soybean.

Maximum Application Rates									
Combined total per year for all applications	5.3 quarts per acre								
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre								
Total for all In-crop applications from cracking through flowering (R2 stage soybean)	64 fluid ounces per acre								
Maximum Preharvest application rate	22 fluid ounces per acre								
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See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with 2,4-D, Banvel or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of soybean. Read and follow label directions for all products in the tank mixture.

acetochlor; carfentrazone-ethyl; chlorimuron ethyl; clethodim; clomazone; cloransulam-methyl; dimethenamid; dimethenamid-p; fenoxaprop-p-ethyl; fluazifop-p-butyl; flufenacet; flumetsulam; flumiclorac pentyl ester; flumioxazin; fomesafen; fluthiacet-methyl; imazaguin; imazethapyr; lactofen: linuron: metolachlor: s-metolachlor: metribuzin: pendimethalin: pyroxasulfone; quizalofop-P-ethyl; saflufenacil; sulfentrazone; tribenuron methyl: trifluralin

Aim EC; Aim EW; Assure II; Authority Assist; Authority Elite; Authority First DF: Authority MAXX: Authority MTZ DF: Authority XL: Axiom DF: Blanket 4F; Boundary 6.5 EC; Cadet; Canopy; Canopy Blend; Canopy EX; Classic; Cobra; Command 3ME; Dawn; Dual MAGNUM; Dual II MAGNUM; Fierce; Fierce XLT: FirstRate: Flexstar: Fusion: Linex 4L: Lorox DF: Me-Too-Lachlor: Optill Powered by Kixor; Outlook; Phoenix; Prowl 3.3EC; Prowl H2O: Pursuit: Python WDG: Reflex: Resource: Rhythm: Rowel: Rowel FX: Select: Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor; Spartan 4F; Treflan 4L; Treflan 4 EC; TriCor 4F; TriCor DF; Valor SX; Valor XLT; Warrant: Warrant Ultra: Zidua

Aim EC; Aim EW; Assure II; Authority Assist; Authority Elite; Authority First

DF: Authority MAXX: Authority MTZ DF: Authority XL: Axiom DF: Blanket

4F; Boundary 6.5 EC; Cadet; Canopy; Canopy Blend; Canopy EX; Classic; Cobra; Command 3ME; Dawn; Dual MAGNUM; Dual II MAGNUM; Fierce; Fierce XLT: FirstRate: Flexstar: Fusion: Linex 4L: Lorox DF: Me-Too-Lachlor: Optill Powered by Kixor; Outlook; Phoenix; Prowl 3.3EC; Prowl H2O: Pursuit: Python WDG: Reflex: Resource: Rhythm: Rowel: Rowel FX: Select: Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor; Spartan 4F; Treflan 4L; Treflan 4 EC; TriCor 4F; TriCor DF; Valor SX; Valor XLT; Warrant; Warrant Ultra; Zidua; acetochlor; carfentrazoneethyl; chlorimuron ethyl; clethodim; clomazone; cloransulam-methyl; dimethenamid: dimethenamid-p: fenoxaprop-p-ethyl: fluazifop-p-butyl: flufenacet; flumetsulam; flumiclorac pentyl ester; flumioxazin; fomesafen; fluthiacet-methyl; imazaquin; imazethapyr; lactofen; linuron; metolachlor; s-metolachlor; metribuzin; pendimethalin; quizalofop-P-ethyl; saflufenacil;

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

USE INSTRUCTIONS: This product may be used to control annual grasses

#### Postemergence (In-crop)

sulfentrazone; tribenuron methyl; trifluralin

and broadleaf weeds in Roundup Ready soybean from emergence (cracking) through flowering (R2 stage soybean). R2 stage soybean ends when a pod 5 millimeters (3/16 inch) long appears at one of the four uppermost nodes on the main stem with a fully developed leaf (R3 stage). Refer to the "ANNUAL WEEDS RATE SECTION" of this label for application rates for specific annual weeds. An initial application of 22 fluid ounces of this product per acre will control or suppress most 2- to 8-inch tall weeds, which are normally found approximately 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 applied up to 44 fluid ounces per acre as a single, in-crop application for control of annual weeds and where dense weed populations exist.

Application of 22 to 44 fluid ounces of this product per acre (single or multiple applications) 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 enhanced results, allow perennial weed species to achieve at least 6 inches of growth before applying this product.

Under adverse growing conditions, including drought, hail or wind damage. or a poor soybean stand that slows or delays canopy closure, a sequential application of this product might be necessary to control late flushes of weeds. IN THE SOUTHERN STATES, A SEQUENTIAL APPLICATION OF THIS PRODUCT \_\_\_\_\_18

WILL BE NEEDED TO CONTROL NEW FLUSHES OF WEEDS IN THE ROUNDUP READY SOYBEAN CROP. To control giant ragweed, apply 22 fluid ounces of this product per acre when the weed is 8 to 12 inches tall to increase control and possibly avoid the need for a sequential application. TANK MIXTURES: This product may be tank-mixed with the following products

and applied postemergence (in-crop) over the top of Roundup Ready soybean.

Ensure that the product used is labeled for application postemergence (in-crop) to soybean. Read and follow label directions for all products in the tank mixture. pendimethalin: quizalofop P-ethyl: sethoxydim: thifensulfuron-methyl

acetochlor; acifluorfen; bentazon; chlorimuron ethyl; clethodim; cloransulam-methyl: fenoxaprop-P-ethyl: fluazifop-p-butyl: flumiclorac pentyl ester; fluthiacet-methyl; fomesafen; imazamox; imazethapyr; lactofen;

Arrow 2EC; Assure II; Basagran; Basagran 5L; Cadet; Classic; Cobra; Dawn; Extreme: FirstRate: Flexstar: Fusilade DX: Fusion: Harmony SG: Phoenix: Poast: Poast Plus; Pursuit; Raptor; Reflex; Resource; Rhythm; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Synchrony XP; Targa; Ultra Blazer; Warrant: Warrant Ultra

PRECAUTIONS: In some cases, these tank-mix products will cause visual soybean injury.

RESTRICTIONS: The combined total application of this product from crop emergence through harvest must not exceed 64 fluid ounces per acre. The maximum rate for any single in-crop application is 44 fluid ounces per acre. The maximum combined total amount of this product that may be applied during flowering (R2 stage soybean) is 44 fluid ounces per acre.

## Preharvest

USE INSTRUCTIONS: Apply up to 22 fluid ounces of this product per acre to Roundup Ready soybean for weed control prior to harvest after pods have set and lost all green color. Take care to avoid excessive seed shatter loss due to ground application equipment. RESTRICTIONS: Allow a minimum of 14 days between application and harvest of soybean grain or feeding of soybean grain, forage or hay.

## Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of Roundup Ready soybean. Higher rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for weed control application after harvest of soybean. Read and follow label directions for all products in the tank mixture. RESTRICTIONS: Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

#### 12.10 Roundup Ready 2 Yield Soybean

TYPES OF APPLICATION: Preplant: At-Planting: Preemergence: Postemergence (In-crop): Preharvest: Post-Harvest

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready 2 Yield soybean.

Maximum Application Rates							
Combined total per year for all applications	5.3 quarts per acre						
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre						
Total for all In-crop applications from cracking through flowering (R2 stage soybean)	64 fluid ounces per acre						
Maximum Preharvest application rate	22 fluid ounces per acre						

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting Roundup Ready 2 Yield soybean.

TANK MIXTURES: This product may be tank-mixed with 2,4-D, Banvel or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of soybean. Read and follow label directions for all products in the tank mixture.

Aim EC; Aim EW; Assure II; Authority Assist; Authority Elite; Authority First DF; Authority MAXX; Authority MTZ DF; Authority MI; Axiom DF; Blanket 4F; Boundary 6.5 EC; Gadet; Canopy; Canopy Blend; Canopy CC, Classic; Cobra; Command 3ME; Dawn; Dual MAGNUM; Dual II MAGNUM; Fierce; Fierce XLT; FirstRate; Flexstar; Fusion; Linex 4L; Lorox DF; Me-Too-Lachbir; Ophill Powered by Kixor; Outlook; Phoenix; Prowl 3.3 EC; Prowl H2O; Pursuit; Python WDG; Reflex; Resource; Rhythm; Rowel; Rowel FX; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor; Spartan 4F; Treflan 4L; Treflan 4 EC; TriCor 4F; TnCor DF; Valor SX; Valor XLT; Warrant; Warrant Ultra; Zidua

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts ber acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be used to control annual grasses and broadleaf weeds in Roundup Ready 2 Yield soybean from emergence (cracking) through flowering (R2 stage soybean). R2 stage soybean ends when a pod 5 millimeters (3/16 inch) long appears at one of the four uppermost nodes on the main stem with a fully developed leaf (R3 stage). Refer to the "ANNUAL WEEDS RATE SECTION" of this label for application rates for specific annual weeds. An initial application of 22 fluid ounces of this product per acre will control or suppress most 2 - to 8-inch tall weeds, which are normally found approximately 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 applied up to 44 fluid ounces per acre as a single, in-crop application for control of annual weeds and where dense weed sopulations exist.

Application of 22 to 44 fluid ounce of this product per acre (single or multiple applications) 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 multy. For enhanced results, allow perennial weed species to achieve at least 6 inches of growth before applying this product.

Under adverse growing conditions, including drought, hail or wind damage, or a poor soybean stand that slows or delays canopy closure, a sequential application of this product might be necessary to control late flushes of weeds. IN THE SOUTHERN STATES, A SEQUENTIAL APPLICATION OF THIS PRODUCT WILL BE NEGDED TO CONTROL NEW FLUSHES OF WEEDS IN THE ROUNDUP READY 2 YIELD SOYBEAN CROP. To control giant ragweed, apply 22 fluid ounces of this product per acre when the weed is 8 to 12 inches tall to increase control and possibly avoid the need for a sequential application.

TANK MIXTURES: This product may be tank-mixed with the following products and applied postemergence (in-crop) over the top of Roundup Ready 2 Yield soybean. Ensure that the product used is labeled for application postemergence (in-crop) to soybean. Read and follow label directions for all products in the tank mixture.

acetochlor; acifluorfen; bentazon; chlorimuron ethyl; clethodim; cloransulam-methyl; fenoxaprop-p-ethyl; fluazifop-p-butyl; flumiclorac pentyl ester; fluthiacet-methyl; fomesafen; imazamox; imazethapyr; lactofen; pendimethalin; quizalofop P-ethyl; sethovydim; thifensulfuron-methyl

Arrow 2EC; Assure II; Basagran; Basagran 5L; Cadet; Classic; Cobra; Dawn; Extreme; FirstRate; Flexstar; Fusilade DX; Fusion; Harmony SG; Phoenix; Poast; Poast Plus; Pursuit; Raptor; Reflex; Resource; Rhythm; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Synchrony XP; Targa; Ultra Blazer; Warrant; Warrant Ultra

PRECAUTIONS: In some cases, these tank-mix products will cause visual soybean injury.

RESTRICTIONS: The combined total application of this product from crop emergence through harvest must not exceed 64 fluid ounces per acre. The maximum rate for any single in-crop application is 44 fluid ounces per acre. The maximum combined total amount of this product that may be applied during flowering (R2 stage soybean) is 44 fluid ounces per acre.

#### Preharvest

USE INSTRUCTIONS: Up to 22 fluid ounces of this product per acre may be applied to Roundup Ready 2 Yield soybean for weed control prior to harvest after pods have set and lost all green color. Take care to avoid excessive seed shatter loss due to ground application equipment.

RESTRICTIONS: Allow a minimum of 14 days between application and harvest of soybean grain or feeding of soybean grain, forage or hay.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of Roundup Ready 2 Yield soybean. Higher rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for weed control application after harvest of soybean. Read and follow labed directions for all products in the tank mixture.

RESTRICTIONS: Application of this product must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

## 12.11 Roundup Ready Sugarbeet

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop)
USE INSTRUCTIONS: Refer to the following table for maximum application
rates of this product with Poundup Poddy quadroot

rates of this product with noundup neady sugarbeet.							
Maximum Application Rates							
Combined total per year for all applications	5.3 quarts per acre						
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre						
Maximum single application rate from emergence to 8-leaf stage	32 fluid ounces per acre						
Total for all applications made from emergence to 8-leaf stage	56 fluid ounces per acre						
Maximum single application rate between 8-leaf stage and canopy closure	22 fluid ounces per acre						
Total for all applications made between 8-leaf stage and canopy closure	44 fluid ounces per acre						

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of sugarbeet. Read and follow label directions for all products in the tank mixture.

ethofumesate

Norton SC

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied over the top of Roundup Ready sugarbeet for control of annual grasses and broadleaf weeds from emergence to 30 days prior to harvest. To maximize yield potential, eliminate competing weeds early. Up to 4 applications of this product may be made with a minimum of 10 days between each application. This product will control or suppress most perennial weeds. For some perennial weeds, more than one application might be needed to eliminate crop competition throughout the growing season. Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds.

TANK MKTURES: This product may be tank-mixed with the following products and applied postemergence (in-crop) over the top of Roundup Ready sugarbeet. Ensure that the product used is labeled for application postemergence (in-crop) to sugarbeet. Read and follow label directions for all products in the tank mixture.

clethodim; clopyralid; desmedipham; dimethenamid-P; ethofumesate; s-metolachlor; phenmedipham; quizalofop-p-ethyl; triflusulfuron methyl

Assure II; Betamix; Betanex; Dual MAGNUM; Dual II MAGNUM; Norton SC; Outlook; Progress; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Stinger; Upbeet, Warrant Betamix, Betanex, Norton SC and Progress can cause significant sugarbeet injury. Refer to these product labels for crop injury precautions.

RESTRICTIONS: The combined total application of this product from crop emergence through harvest must not exceed 100 fluid ounces per acre. The maximum rate for any single application from crop emergence until the 8-leaf stage is 32 fluid ounces per acre. The maximum rate for any single application between the 8-leaf stage and canopy closure is 22 fluid ounces per acre. Allow a minimum of 30 days between application and sugarbeet harvest.

## 13.0 FARMSTEAD USE

TYPES OF USES: Farmstead Weed Control; Trim-and-Edge; Greenhouse/Shadehouse; Chemical Mowing: Cut Stump Application: Habitat Management

USE INSTRUCTIONS: Refer to the "ANNUAL WEEDS RATE SECTION" and 
"PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds. When applied as directed, this product will control those annual and perennial grasses and broadleaf weeds. Application rates of this product specified in the following sections, or on separate supplemental labeling or Fact Sheets published for this product, for hard-to-control weeds supersede rates in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label.

## 13.1 Farmstead Weed Control, Trim-and-Edge

USE INSTRUCTIONS: This product may be used to control annual and perennial weeds, woody brush, trees and vines found on any part of the farmstead, including around building foundations and equipment storage areas, along and in fences, in dry ditches and canals, along ditch banks, driveways, farm roads; farmyards, fencerows, parking areas, rangeland, rights-of-way, shelterbelts, storage areas and prior to planting landscape ornamentals.

TANK MIXTURES: This product may be tank-mixed with the following products provided that the product used is labeled for these sites and uses. Refer to each individual product label for approved sites and application rates. Read and follow label directions for all products in the tank mixture.

2,4-D; bromacil; chlorosulfuron; dicamba; diuron; imazapic; imazapyr; metsulfuron-methyl; oryzalin; oxadiazon; pendimethalin; prodiamine; simazine; sulfometuron-methyl

Arsenal; Banvel; Banvel 480; Barricade 4L; Barricade 65WG; Clarity; Diuron 4L; Endurance; Escort XP; Karmex DF; Krovar I DF; Oust XP; Pendulum 3.3 EC; Pendulum 2G; Pendulum Qua Cap; Plateau; Princep 4L; Princep Caliber 90; Princep Liquid; Ronstar 50 WSP; Ronstar Flo; Ronstar G; Sahara DG; Simazine 4L; Simazine 4L Flowable; Simazine 90DF; Simazine 90 WDG; Surflan AS Agricultural; Surflan AS Specialty; Surflan Flex T&O; Surflan KL 2G; Telar XP; Vanquish

For annual weeds, apply 22 fluid ounces of this product per acre when weeds are less than 6 inches tall, 32 fluid ounces when weeds are 6 to 12 inches tall, and 44 fluid ounces when weeds are greater than 12 inches tall. For perennial weeds, apply 44 fluid ounces to 3.3 quarts per acre in a tank-mix with one of the products listed here. For application of tank mixtures using a backpack sprayer, handgun or other handheid applicator, see the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for the required concentration of this product in the mix.

## 13.2 Greenhouse/Shadehouse

USE INSTRUCTIONS: This product may be used to control weeds in and around greenhouses and shadehouses.

PRECAUTIONS: Remove desirable vegetation before applying this product inside a greenhouse or shadehouse.

RESTRICTIONS: Turn air circulation fans off before applying this product inside a greenhouse or shadehouse and until the application solution has dried. Do not use inside residential greenhouses.

## 13.3 Chemical Mowing

USE INSTRUCTIONS: This product may be used to suppress growth of perennial grasses listed in this section along farm ditches and on any other part of the farmstead to serve as a substitute for mowing, Apply 4 fluid ounces of this product per acre to suppress Kentucky bluegrass, tall fescue, fine fescue, orchardgrass, bahiagrass or quackgrass covers, 11 fluid ounces to suppress bermudagrass, or 44 fluid ounces to suppress bermudagrass, or 44 fluid ounces to suppress topredograss or para grass. Make all applications in 10 to 20 gallons of spray solution per acre.

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

## 13.4 Cut Stump Application

TYPES OF USES: Treating brush and tree stumps on any terrestrial site

ISE INSTRUCTIONS: This product may be used to control re-growth and re-sprouting of many species of woody brush and trees. Cut the woody brush or tree close to the soil surface and immediately apply a 50- to 100-percent (undiluted) solution of this product to the freshly cut surface using application equipment capable of covering the entire cambium. A delay in application could result in reduced performance. For enhanced results, cut the woody brush or tree during period of active growth and full leaf expansion and apply this product. Some of the species controlled by this method of application of this product are:

Alder	Pepper, Brazilian	Sweetgun
Eucalyptus	Pine, Austrian	Tan oak
Madrone	Reed, giant	Willow
0ak	Saltcedar	

PRECAUTIONS: Do not make a cut stump application when the roots of desirable woody brush or trees might be grafted to the roots of the cut stump. Some sprouts, stems, or trees can share a common root system. Adjacent trees having a similar age, height and spacing could be an indicator of a shared root system. Whether grafted or shared, injury is likely to occur to adjacent stems or trees when this product is applied to one or more trees sharing a common root system.

## 13.5 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. Application may be made to allow recovery of native plant species or prior to planting desirable native species, and for similar broad-spectrum vegetation control in habitat management areas. Spot treatment may be used to selectively remove unwanted obants for habitat maintenance and enhancement.

#### Wildlife Food Plots

USE INSTRUCTIONS: This product may be used to eliminate 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 a minimum of 7 days after application before tilling.

RESTRICTIONS: There are no rotational restrictions for planting any wildlife food species or for allowing native species to repopulate the area following application of this product.

## 14.0 ANNUAL WEEDS RATE SECTION

When water carrier volumes are between 16 and 40 gallons per acre for ground application, and between 6 and 15 gallons per acre for aerial application, the following use rates will control the annual weeds listed in the "ANNIJAL WFFDS RATE TABLE" that follows:

- 22 fluid ounces per acre grass and broadleaf annual weeds less than 6 inches in height or circumference, and vines less than 3 inches in length.
- 32 fluid ounces per acre grass and broadleaf annual weeds 6 to 12 inches in height or circumference, and vines 3 to 6 inches in length.
- 44 fluid ounces per acre grass and broadleaf annual weeds greater than 12 inches in height or circumference, and vines greater than 6 inches in length.

WHEN WATER CARRIER VOLUMES ARE BETWEEN 3 AND 15 GALLONS PER ACRE FOR GROUND APPLICATION, AND BETWEEN 3 AND 5 GALLONS PER ACRE FOR AERIAL APPLICATION, USE THE RATES SPECIFIED FOR INDIVIDUAL WEEDS INDICATED IN THE "ANNUAL WEEDS RATE TABLE."

Apply to actively growing annual weeds. New leaf development indicates active growth.

Annual weeds are often easiest to control when they are small. Control of plder, mature (hardened) or otherwise hard-to-control annual weed species could require higher application rates than specified in this table, even if they meet the size requirements listed. This product may be applied at rates of up to 44 fluid ounces per acre for hard-to-control annual weeds and where dense weed populations exist. Follow all precautions and restrictions, including maximum application rates and crop stage timings specified in the directions for use on specific crops, including Roundup Ready crops, and use sites listed on this label.

Maximum size refers to the maximum plant height, length of runners for vines, or circumference of rosette plants in inches.

Do not tank-mix this product with soil residual herbicides when applying at these rates, unless otherwise directed.

For control of annual weeds using a handheld controlled droplet applicator (CDA), apply a 20-percent solution of this product (25 to 26 fluid ounces of this product per gallon of spray solution) at a flow rate of 2 fluid ounces per minute and a walking speed of 1.5 miles per hour (1 quart per acre). When using a vehicle-mounted CDA, apply the required amount of this product, as indicated in the following table in 2 to 15 gallons of water per acre.

For weeds that have been mowed, grazed or cut, allow re-growth to occur prior to application of this product.

#### ANNUAL WEEDS RATE TABLE

	Br	oadcast (fluid οι	Applica inces pe	tion Raracre)	ate
	11	16	22	27	32
Weed Species	Maxi	mum He	ight/Ler	<b>ıgth</b> (in	ches)
Ammannia, purple	3	6	12	-	18
Anoda, 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 <sup>1,2</sup>	6	12	-	-	-
Brome, Japanese	6	12	24	-	-
Browntop panicum	6	8	12	-	2
Buckwheat, wild <sup>3</sup>	-	1	2	-	-
Burcucumber	-	6	12	-	- 13
Buttercup	12	20	-	-	-
Carolina geranium	-	-	4	-	C
Carpetweed	-	6	12	-	-
Cheat <sup>2</sup>	6	20	-	-	
Chervil	20	-		-	
Chickweed	-	12	18	-	-
Cocklebur	12	18	24	-	3
Copperleaf, hophornbeam	-	2	4	-	6
Copperleaf, Virginia	-	2	4	-	6
Coreopsis, plains	-	6	12	-	1
Corn, volunteer	6	12	20	-	_
Corn speedwell Crabgrass	12	- 6	12	-	
Crowfootgrass	-	-	6	-	1:
Cutleaf evening primrose	-		3		6
Devilsclaw (unicorn plant)	-	3	6		-
Dwarf dandelion	12	-	-		
Eastern mannagrass	8	12	-	-	
Eclipta	-	4	8	12	-
Fall panicum	4	-	6	-	12
False dandelion	-	20	-	-	-
Falseflax, smallseed	12	-	-	-	-
Fiddleneck	-	6	12	-	-
Field pennycress Filaree	6	12	- 6	-	1:
Fleabane, annual	6	20	b -	-	14
i icavalic, allitual	0	20	-	-	

	(fluid ounces per acre)							
	11	16	22	27	32			
Weed Species	Maxi	mum He	ight/Len	<b>igth</b> (in	ches)			
Fleabane, hairy* (Conyza bonariensis)	-	-	6	-	10			
Fleabane, rough Florida pusley	3	6	12 4	-	- 6			
Foxtail; giant, bristly, yellow	6	12	20	-	-			
Foxtail, Carolina	10	-	-	-	-			
Foxtail, green	12 6	12	-	-	-			
Goatgrass, jointed Goosegrass*	-	3	6		12			
Grain sorghum (milo)	6	12	20	-	-			
Groundcherry	-	3	6	-	9			
Groundsel; common, cressleaf Hemp sesbania	-	6	10 4	6	- 8			
Henbit	-	-	6	-	12			
Horseweed/ Marestail*		6	12		18			
(Conyza canadensis)								
Itchgrass Jimsonweed	6	8	12 12		18 18			
Johnsongrass, seedling*	6	12	18	-	24			
Junglerice*	-	3	6	7	9			
Knotweed	-	24- 0	6	-	12			
Kochia*4	-	3 to 6	12 12	-	20			
Lambsquarters Little barley	6	12	-		-			
London rocket	6	-	24	-	-			
Mayweed	-	2	6	12	18			
Morning glory, annual (Ipomoea spp.)	-	-	3	-	6			
Mustard; blue, tansy, tumble, wild	6	12	18	-	-			
Nightshade; black, hairy	-	4	6	-	12			
Oats Pigweed, Palmer*	3	6 12	18 18	24	-			
Pigweed species*		12	18	24				
Prickly lettuce		6	12	-				
Purslane		-	3		6			
Ragweed; common,* giant*	-	6	12	-	18			
Red rice	-	-	4	-	-			
Rye, volunteer/cereal <sup>2</sup>	6	18	18 +	-	-			
Ryegrass species*	-	-	6	-	12			
Sandbur, field	6	12	-	-	-			
Sandbur, longspine Shattercane	6	12 12	20	-	-			
Shepherd's-purse	6	12	-	-	-			
Sicklepod	-	2	4	-	8			
Signalgrass, broadleaf	-	3	6	7	9			
Smartweed, ladysthumb	-	-	6	-	9			
Smartweed, Pennsylvania	-	-	6	-	9			
Sowthistle, annual	-	-	6	-	12			
Spanish needles Speedwell, purslane	12	-	6	-	12			
Sprangletop	6	12	20	-	-			
Spurge; prostrate, spotted	-	6	12	-	-			
Spurry, umbrella	6	- 10	-	-	-			
Stinkgrass Sunflower	12	12 18	-	-	-			
Swinecress	- 12	5	12	-	-			
Teaweed/ Prickly sida	-	2	4	-	6			
Texas panicum	6	8	12	-	24			
Thistle, Russian*5	-	6	12	-	12			
Velvetleaf Virginia pepperweed		18	6		12			
Waterhemp*	-	-	6	-	12			
Wheat <sup>2</sup>	6	12	18	-	-			
Wheat (overwintered)	-	6	12	-	18			
Wild proce millet	3	6	18	-	10			
Wild proso millet Witchgrass	Ė	6 12	12	-	18			
Woolly cupgrass		6	12	-	-			
Yellow rocket		12	20	-				
TOHOTE TOURGE		14	20					

**Broadcast Application Rate** 

For control of downy brome in no-till systems, apply 16 fluid ounces of this product per acre.

Performance of this product can be enhanced if application is made before this weed reaches the boot stage of growth.

Apply 16 fluid ounces of this product per acre to control wild buckwheat in the cotyledon to 2-leaf stage. Apply 22 fluid ounces per acre to control 2- to 4-leaf wild buckwheat. For enhanced control of wild buckwheat over 2 inches in size, make sequential applications of 22 fluid ounces followed by 22 fluid ounces of this product per acre.

Do not apply when kochia is in the button stage.

Control of Russian thistle can vary based on environmental conditions and spray coverage. If possible, apply this product in a tank mixture with 2,4-D, as described in the following section, to improve control.

\*A glyphosate-resistant biotype has been confirmed. For additional information, refer to the "WEED RESISTANCE MANAGEMENT" section of this label. You can also visit via the Internet, www.weedscience.org or www.weedresistancemanagement.com, or contact your Bayer CropScience LP representative.

#### 141 Annual Weeds—Tank Mixtures with 2.4-D. Dicamba or Tordon 22K

Enhanced control of certain hard-to-control weeds can be achieved by tank-mixing this product with dicamba, 2.4-D, or Tordon 22K. An appropriate rate of these other herbicides combined with the rate of this product specified in the "ANNUAL WEEDS RATE TABLE" will control the following weeds up to the maximum height or length indicated: 6 inches—prickly lettuce. marestail/horseweed, morning glory, kochia (in a tank-mix with dicamba only), wild buckwheat (in a tank-mix with Tordon 22K only); 12 inches—cocklebur, lambsquarters, pigweed, Russian thistle (in a tank-mix with 2.4-D only).

At application rates listed in the "ANNUAL WEEDS RATE SECTION," this broduct will control the following weeds up to a maximum height or length of 6 inches: common ragweed, giant ragweed, Pennsylvania smartweed, and velvetleaf. For enhanced control of these weeds, apply this product in a tank-mix with 2 4-D

Ensure that the product used is labeled for application at the desired site. Follow all precautions and limitations on the tank-mix product label. including any application timing restrictions, soil restrictions, minimum re-cropping intervals and/or crop rotation restrictions. Use according to the more restrictive label requirements. Some crop injury could occur if dicamba pr Tordon 22K is applied within 45 days of planting.

#### Annual Weeds—Handheld Sprayers 14.2

For control of weeds listed in the "ANNUAL WEEDS RATE TABLE," apply a 0.4-percent solution of this product to weeds less than 6 inches in height or runner length prior to seedhead formation in grasses or bud formation in broadleaf weeds. For control of annual weeds over 6 inches tall, or unless otherwise directed, use a 0.7-percent solution.

For enhanced results on hard-to-control perennials, such as bermudagrass. dock, field bindweed, hemp dogbane, milkweed and Canada thistle, apply a 1.5-percent solution of this product.

When using application methods that result in less than complete coverage, apply a 4-percent solution of this product for control of annual and perennial weeds. and a 4- to 7-percent solution for control of woody brush, trees and vines.

#### 14.3 Annual Weeds—Tank Mixtures 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

Application of 16 to 20 fluid ounces of this product per acre in a tank mixture with atrazine will provide enhanced control of the following weeds: barnyardgrass (requires 20 fluid ounces of this product per acre for control), downy brome, green foxtail, lambsquarters, prickly lettuce, tansy mustard, pigweed, field sandbur, stinkgrass, Russian thistle, volunteer wheat and witchgrass. For control of kochia, apply 16 to 20 fluid ounces of this product in a tank-mix with atrazine and dicamba. Ensure that the atrazine and dicamba products are labeled for the intended use and application site. Follow all precautions and limitations on the tank-mix product label, including any application timing restrictions, soil restrictions, minimum re-cropping intervals and/or crop rotation restrictions.

#### PERENNIAL WEEDS RATE SECTION 15.0

Apply this product to actively growing perennial weeds. New leaf development indicates active growth. Enhanced results can be obtained when soil moisture is adequate for active weed growth.

If weeds have been recently mowed or tilled, do not apply this product until plants have resumed active growth and have reached the specified stage of growth or sufficient growth has been achieved to allow for good interception of the spray solution. For enhanced control, do not mow, cut, till, burn or disturb vegetation in the application area for a minimum of 7 days after application.

For control of perennial weeds using a handheld controlled droplet applicator (CDA), apply a 20- to 30-percent solution of this product (25 to 38 fluid ounces per gallon of applicator solution) at a flow rate of 2 fluid ounces per minute and a walking speed of 0.75 mile per hour (2 to 3 quarts per acre). When using a vehicle-mounted CDA, apply the appropriate amount of this product, as indicated in the following rate table, in 2 to 15 gallons of water

This product has no soil activity and does not control emergence of perennial weeds from seed and dormant underground roots, rhizomes or tubers present in the soil at the time of application. More than one application of this product might be necessary to control weeds regenerating from underground parts or seed, but must be made prior to crop emergence, except where in-crop application is allowed.

Application of this product in the fall must be made before a killing frost.

Unless otherwise directed, allow a minimum of 7 days after application before

#### PERENNIAL WEEDS RATE TABLE

Weed Species	Broadcast	Water	Handheld
	Rate	Volume	Sprayer
	(quarts/	(gallons/	Concentration
	acre)	acre)	(% solution)
Alfalfa	1-1.5	3 – 10	1.5%

Apply after the last hay cutting in the fall and alfalfa has re-grown to a height of 6 to 8 inches or more. Follow with deep tillage after a minimum of 7 days after application, but before soil freeze-up.

gat	tor	we	ed				3		

For partial control, apply this product when most target plants are in bloom. More than one application will be needed to achieve control.

3 - 20

Anise (fennel) <sup>1</sup>	-	-	1 - 1.5%
Bahiagrass <sup>2</sup>	2-3.3	3 - 20	1.5%
Bentgrass	1	10 - 20	1.5%
For curpression in grace cond	production areas u	cing ground ann	lication oquinmo

only. Ensure entire crown area has resumed growth prior to application in the fall. Ensure that bentgrass has at least 3 inches of growth before application. Avoid tillage prior to application. Tillage 7 to 10 days after application provides enhanced results.

2 - 3.33 - 20For control, apply 3.3 quarts of this product per acre when bermudagrass is actively

growing and seedheads are present. More than one application might be necessary to achieve control. For partial control, apply 64 fluid ounces per acre.

Bermudagrass, water (knotgrass)	0.7 - 1	5 - 10	1.5%

Apply 32 fluid ounces of this product in 5 to 10 gallons of water per acre when water bermudagrass is 12 to 18 inches in length. Allow a minimum of 7 days after application before tilling, flushing or flooding the field.

For fall application, till fallow fields and apply 22 fluid ounces of this product in 5 to 10 gallons of water per acre prior to frost and when water bermudagrass is 12 to 18 inches in length

This product is not registered in the State of California for control of water

land Canaina	Rate (quarts/	Water Volume (gallons/	Handheld Sprayer Concentration
leed Species	acre)	acre)	(% solution)
induced field	04 22	2 00	1.00/

Bindweed, field 0.4 - 3.33 - 20Do not apply this product when field bindweed is under drought stress, as good soil

moisture is necessary for active growth and efficacy of this product. For control, apply 2.5 to 3.3 quarts of this product per acre west of the Mississippi River and 2 to 2.5 quarts per acre east of the Mississippi River when bindweed is at or beyond full bloom. For enhanced results, apply in late-summer or fall. Fall application must be made before a killing frost.

Also for control, apply 44 fluid ounces of this product plus an appropriate rate of dicamba in 10 to 20 gallons of water per acre. Do not apply this mixture using aerial application equipment.

For suppression of field bindweed on irrigated agricultural land, apply 22 to 44 fluid ounces of this product plus an appropriate rate of 2.4-D in 10 to 20 gallons of water per acre using ground application equipment only. Application may be made following harvest or on fallow ground in the fall when bindweed is actively growing and the majority of runners are 12 inches or more in length. Irrigate at least once to promote active bindweed growth.

For suppression, apply 11 fluid ounces of this product plus a rate of 2.4-D that will provide suppression of field bindweed in 3 to 10 gallons of water per acre using ground application equipment, or in 3 to 5 gallons of water per acre using aerial application equipment. Application of this tank-mix using aerial equipment is only allowed on fallow fields and in reduced tillage systems. Delay application until maximum emergence has occurred and vines are 6 to 18 inches in length.

In California only, apply 22 fluid ounces to 3.3 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 22 fluid ounces of this product in 3 to 10 gallons of water per acre to bindweed that has reached a length of 12 inches or greater. Allow maximum weed emergence and runner growth before applying this product. Allow a minimum of 3 days after application before tillage.

Bluegrass, Kentucky	0.7 - 1.5	3 - 40	1.5%

Apply 44 fluid ounces of this product in 10 to 40 gallons of water per acre when most plants have reached the boot to early-seedhead stage of development. For partial control in pasture or hay crop renovation, apply 22 to 32 fluid ounces of this product in 3 to 10 gallons of water per acre to actively growing target plants when most have reached 4 to 12 inches in height.

#### Blueweed, Texas 2 - 3.31.5%

Apply 2.5 to 3.3 quarts of this product per acre west of the Mississippi River or 2 to 2.5 quarts per acre east of the Mississippi River when plants are at or beyond full bloom. For enhanced results, apply in late-summer or fall. Fall application must be made before a killing frost.

Brackenfern	2-3	3 - 40	1%

Make application to fully expanded fronds that are at least 18 inches long. Bromegrass, smooth 0.7 - 1.5

Apply 44 fluid ounces of this product in 10 to 40 gallons of water per acre when most target plants have reached the boot to early-seedhead stage of development. For partial control in pasture or hav crop renovation, apply 22 to 32 fluid ounces of this product in 3 to 10 gallons of water per acre to actively growing bromegrass when it has reached a height of 4 to 12 inches.

#### Bursage, woolly-leaf 3 - 20

For control, apply 44 fluid ounces of this product plus 0.5 pound of dicamba per acre when plants are producing new active growth that has been initiated by moisture for at least 2 weeks and are at or beyond flowering. For partial control, apply 22 fluid ounces of this product per acre in a tank-mix with an appropriate rate of dicamba that will provide partial control.

Canarygrass, reed <sup>2</sup>	1.5 - 2	3 - 40	1.5%
Cattail <sup>2</sup>	2 - 3.3	3 - 40	1.5%
Clover; red, white1	2 - 3.3	3 – 20	1.5%

Also for control, apply 11 to 22 fluid ounces of this product in a tank-mix with an appropriate rate of 2,4-D in 3 to 10 gallons of water per acre.

#### Cogongrass 2 - 3.310 - 40

Apply in late-summer or fall when cogongrass is at least 18 inches tall. Due to uneven stages of growth and the dense nature of this vegetation preventing good spray coverage, more than one application might be necessary to achieve control. Dallisgrass<sup>2</sup> 3 - 201.5% 2 - 3.3

Guinea grass	1.5 - 2	3 – 40	1%
Apply when most target plants thorough coverage when using a apply 44 fluid ounces of this pro Florida, 64 fluid ounces per acre	handheld spraye duct per acre for is needed for co	er. In Texas and the control. In the fla introl.	e ridge of Florida twoods region o
Horsenettle <sup>1</sup>	2 – 3.3	3 – 20	1.5%
Horseradish	3	3 – 40	1.5%
Apply when most plants have re enhanced results, apply in late-s		bud to flower sta	
Iceplant <sup>1</sup>	-	-	1.5 - 2%
Thorough coverage of the target w	eed with this pro	duct will provide e	enhanced control
Jerusalem artichoke¹	2 - 3.3	3 - 20	1.5%
Johnsongrass In annual cropping systems, ap	0.4 - 2		1%
10 to 40 gallons of water per acre is not practiced (no-till), apply 4d of water per acre. For enhanced r the boot to head stage of develop 7 days after application before till applying 22 fluid ounces of this pr	to 64 fluid ounce esults, apply wh ment or in the fa age. Do not tank	es of this product in en most johnsong Il prior to frost. All mix with residual	n 10 to 40 gallons rass has reached ow a minimum o l herbicides wher
11 fluid ounces of this product in a height of 12 inches and allow a For partial control or suppression spot treatment when johnsongrass is uniform and complete.	3 to 10 gallons o minimum of 3 o , apply a 0.7-pe	f water per acre be days after applicat ercent solution of	efore plants reach ion before tillage this product as a
a height of 12 inches and allow a For partial control or suppression spot treatment when johnsongras:	3 to 10 gallons o minimum of 3 o , apply a 0.7-pe	f water per acre be days after applicat ercent solution of	efore plants reach ion before tillage this product as a
a height of 12 inches and allow a For partial control or suppression spot treatment when johnsongrass is uniform and complete.	3 to 10 gallons or minimum of 3 or apply a 0.7-pe s is 12 to 18 incl 1.5 – 2 at least 8 inches	f water per acre be days after applicate ercent solution of nes tall. Ensure that 3 – 40 s tall (3- or 4-leaf	efore plants reach ion before tillage this product as a at spray coverage 1.5%
a height of 12 inches and allow a For partial control or suppression spot treatment when johnsongrass is uniform and complete. <b>Kikuyu grass</b> Apply when most kikuyu grass is	3 to 10 gallons or minimum of 3 or apply a 0.7-pe s is 12 to 18 incl 1.5 – 2 at least 8 inches	f water per acre be days after applicate ercent solution of nes tall. Ensure that 3 – 40 s tall (3- or 4-leaf	efore plants reach ion before tillage this product as a at spray coverage 1.5%
a height of 12 inches and allow a For partial control or suppression spot treatment when johnsongras: is uniform and complete. <b>Kikuyu grass</b> Apply when most kikuyu grass is Allow a minimum of 3 days after	3 to 10 gallons or minimum of 3 or, apply a 0.7-pe s is 12 to 18 incl  1.5 - 2 at least 8 inches application before 3 are reached the	f water per acre be days after applicat ercent solution of the nes tall. Ensure the 3 – 40 stall (3- or 4-leaf ore tillage. 3 – 40 late-bud to flower	efore plants reach ion before tillage this product as a at spray coverage 1.5% stage of growth)
a height of 12 inches and allow a for partial control or suppression spot treatment when johnsongras is uniform and complete. Kikuyu grass Apply when most kikuyu grass is Allow a minimum of 3 days after Knapweed Apply when most target plants his	3 to 10 gallons or minimum of 3 or, apply a 0.7-pe s is 12 to 18 incl  1.5 - 2 at least 8 inches application before 3 are reached the	f water per acre be days after applicat ercent solution of the nes tall. Ensure the 3 – 40 stall (3- or 4-leaf ore tillage. 3 – 40 late-bud to flower	efore plants reach ion before tillage this product as a at spray coverage 1.5% stage of growth)
a height of 12 inches and allow a For partial control or suppression spot treatment when johnsongras is uniform and complete. Kituyu grass Apply when most kikuyu grass is Allow a minimum of 3 days after Knapweed Apply when most target plants ha For enhanced results, apply in lab	3 to 10 gallons or minimum of 3 or, apply a 0.7-pe, s is 12 to 18 incless application before 3 ave reached the e-summer or fall	f water per acre be days after applicat ercent solution of the nes tall. Ensure the 3 – 40 stall (3- or 4-leaf ore tillage. 3 – 40 late-bud to flower	fore plants reach ion before tillage this product as a at spray coverage 1.5% stage of growth) 1.5% stage of growth
a height of 12 inches and allow a For partial control or suppression spot treatment when johnsongras is uniform and complete. Kitkuyu grass Apply when most kikuyu grass is Allow a minimum of 3 days after Knapweed Apply when most target plants ha For enhanced results, apply in lat Lantana	3 to 10 gallons or minimum of 3 or, apply a 0.7-pe is is 12 to 18 includes 1.5 - 2 at least 8 inches application before 3 ave reached the e-summer or fallore ge of growth. 2 - 3.3	f water per acre be days after applicat ercent solution of the nes tall. Ensure the 3 – 40 stall (3- or 4-leaf ore tillage. 3 – 40 late-bud to flower	fore plants reach ion before tillage this product as a at spray coverage 1.5% stage of growth) 1.5% stage of growth
a height of 12 inches and allow a for partial control or suppression spot treatment when johnsongras: is uniform and complete. Kitkuyu grass Apply when most kikuyu grass is Allow a minimum of 3 days after Kinapweed Apply when most target plants he for enhanced results, apply in lath Lantana Apply at or beyond the bloom sta	3 to 10 gallons or minimum of 3 or, apply a 0.7-pe s is 12 to 18 incl  1.5 - 2 at least 8 inches application before application before application to the e-summer or falling ge of growth.	f water per acre be lays after applicat recent solution of the as tall. Ensure that 3 – 40 s tall (3- or 4-leaf ore tillage. 3 – 40 late-bud to flower.	fore plants reach ion before tillage in before tillage in this product as a at spray coverage 1.5% stage of growth)  1.5% stage of growth  1.5%
a height of 12 inches and allow a For partial control or suppression spot treatment when johnsongras is uniform and complete. Kirkluvy grass Apply when most kirkuyu grass is Allow a minimum of 3 days after Knapweed Apply when most target plants ha For enhanced results, apply in lath Lantana Apply at or beyond the bloom sta Lespedeza¹	3 to 10 gallons or minimum of 3 to 1, apply a 0.7-pc s is 12 to 18 incle 1.5 - 2 at least 8 inches application before 3 ave reached the e-summer or fal ge of growth. 2 - 3.3 2 ched the late-b	f water per acre be days after applicate the stall. Ensure the stall. Ensure the stall. Ensure the stall. (3- or 4-leaf ore tillage.  3 – 40 late-bud to flower  -  3 – 20 3 – 40	fore plants reach ion before tillage this product as a at spray coverage 1.5% stage of growth) 1.5% at age of growth 1% 1.5% 1.5% 1.5%
a height of 12 inches and allow a For partial control or suppression spot treatment when johnsongras is uniform and complete. Kitkuyu grass Apply when most kikuyu grass is Allow a minimum of 3 days after Knapweed Apply when most target plants ha For enhanced results, apply in lab Lantana Apply at or beyond the bloom sta Lespedeza¹ Milkweed, common	3 to 10 gallons of minimum of 3 do 1, apply a 0.7-pc is is 12 to 18 included in 1.5 - 2 at least 8 inches application before 3 aver reached the e-summer or falling ge of growth. 2 - 3.3 2	f water per acre be days after applicate the stall. Ensure the stall. Ensure the stall. Ensure the stall. (3- or 4-leaf ore tillage.  3 – 40 late-bud to flower  -  3 – 20 3 – 40	fore plants reach ion before tillage this product as a at spray coverage 1.5% stage of growth) 1.5% at age of growth 1% 1.5% 1.5% 1.5%

**Broadcast** 

Rate

(quarts/

acre)

2 - 3.3

2 - 33

Also for control, apply 11 to 22 fluid ounces of this product in a tank-mix with an

Apply when most target plants have reached the late-bud to flower stage of

development. Allow weeds to re-grow to a mature stage prior to application of this

product after crop harvest or mowing. For enhanced results, apply in late-summer or fall.

For suppression, apply 11 fluid ounces of this product in a tank-mix with an

appropriate rate of 2.4-D in 3 to 10 gallons of water per acre using ground application

equipment, and in 3 to 5 gallons of water per acre using aerial application equipment.

2 - 3.3

0.7 - 2

Apply 64 fluid ounces of this product per acre when most tall fescue has reached the

boot to early-seedhead stage of development. For fall application, apply 22 fluid ounces

of this product in 3 to 10 gallons of water per acre when plants have 6 to 12 inches

Delay application until maximum emergence of hemp dogbane has occurred.

appropriate rate of 2.4-D in 3 to 10 gallons of water per acre

appropriate rate of 2,4-D in 3 to 10 gallons of water per acre

Also for control, apply 11 fluid ounces of this product in a tank-mix with an

Weed Species

Dandelion<sup>1</sup>

Dock, curly1

Fescue (except tall)2

Fescue, tall

Water

Volume

(gallons/

acre)

3 - 20

3 - 40

Handheld

Sprayer

Concentration

(% solution)

1.5%

1.5%

1.5%

Weed Species	Rate (quarts/ acre)	Volume (gallons/ acre)	Sprayer Concentration (% solution)
Mullein, common <sup>1</sup>	2 – 3.3	3 – 20	1.5%
Napiergrass <sup>2</sup>	2 – 3.3	3 – 20	1.5%
Nightshade, silverleaf	1.5	3-10	1.5%
For enhanced results, apply wh berries. Fall application must be			target plants have
Nutsedge; purple, yellow	0.4 - 2	3 – 40	1 – 1.5%
For control of nutsedge plants a product per acre or a 1- to 1.5-, new nutlets can be found at rhiz be controlled and will need repea long-term control. Sequential apy 3 to 10 gallons of water per acre v 5-leaf stage (less than 6 inchest as necessary when newly emerg applications will be necessary in nutsedge, apply 11 to 44 fluid or acre when plants have 3 to 5 leav applications acceeded to control or acre when plants have 3 to 5 leav applications as needed to control not severe the control of t	percent solution ome tips. Nutlets ted applications of 22 to when a majority all) will also proving plants reach or long-term conneces of this process and most are	when plants are s that have not; of this product a o 44 fluid ounce f the nutsedge pl ride control. Rep the 3- to 5-leaf strol. For partial duct in 3 to 40 g less than 6 inch	e in flower or when germinated will not offer germination for se of this product in ants are in the 3- to leat this application stage. Subsequent control of existing gallons of water per les tall. Repeat this

Orchardgrass 0.7 - 1.53 - 401.5% Apply 44 fluid ounces of this product in 10 to 40 gallons of water per acre when most plants have reached the boot to early-seedhead stage of development. For partial control in pasture or hay crop renovation, apply 22 to 32 fluid ounces of this product in 3 to 10 gallons of water per acre when orchardgrass is actively growing and has reached 4 to 12 inches in height. When going from orchardgrass sod to no-till corn, apply 22 to 32 fluid ounces of this product in 3 to 10 gallons of water per acre to orchardgrass that is a minimum of 12 inches tall for spring application and 6 inches tall for fall application. Allow a minimum of 3 days after application before planting. A sequential application of atrazine will be necessary to achieve optimum results. Appl

Pallipas grass	-	-	1-1.5%
Apply this product when pampa Thorough coverage will provide of			ot stage of growth
Para grass <sup>2</sup>	2-33	3 - 20	1.5%

Phragmites	2 - 3.3	10 - 40	1 – 1.5%
For partial control and enhanced when plants are actively growing			
stage could result in reduced co			
(which can prevent good spray co			
one application might be necessar	ary to achieve con	trol. Visual st	mptoms of control

will be slow to develop. Poison hemlock 1 - 1.5% Apply this product using a handheld sprayer with a spray-to-wet technique. Optimum results are obtained when thoroughly applied to target plants that are at

the bud to full-bloom stage of growth.

Pokeweed, common	1	3 - 40	1.5%
Apply to actively growing target pl	ants up to 24	inches tall.	
Quackgrass	0.7 - 2	3 - 40	1.5%
In annual cropping systems or i			

deep tillage, apply 22 fluid ounces of this product in 3 to 10 gallons of water per acre or 44 fluid ounces in 10 to 40 gallons of water per acre when quackgrass is 6 to 8 inches in height. Do not tank-mix with residual herbicides when using the 22-fluid-ounce rate. Do not till between harvest and fall application, or in the fall or spring prior to spring application. Allow a minimum of 3 days after application before tillage. In pastures or sod fields, use a moldboard plow for enhanced results. In pastures, sod fields or non-crop areas where deep tillage will not follow application of this product, apply 44 to 64 fluid ounces in 10 to 40 gallons of water per acre when quackgrass is greater than 8 inches tall

#### 0.5 - 1.55 - 10For suppression, make two applications of 16 fluid ounces of this product 7 to 14 days apart, or a single application of 44 fluid ounces, in 5 to 10 gallons of water

per acre 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. Apply a minimum of 1 week before a killing frost.

keed, glant	-	-	1.5%
Enhanced results can be obtained whe	n application is	s made in late	e-summer or fall.
	22		

Rate Volume Sprayer (quarts/ (gallons/ Concentration **Weed Species** (% solution) acre) acre) Rvegrass, perennial 0.7 - 2In annual cropping systems, apply 22 to 44 fluid ounces of this product in 3 to 10 gallons of water per acre, or 44 fluid ounces when applying in 10 to 40 gallons of water per acre. On non-crop sites or in fields where annual tillage is not practiced (no-till), apply 44 to 64 fluid ounces of this product in 10 to 40 gallons of water per

acre. For enhanced results, apply when most ryegrass has reached the boot to head

**Broadcast** 

Water

Handheld

1.5%

1.5%

1.5%

1.5%

1.5%

1.5%

5 - 10

3 - 20

3 - 20

stage of growth or in the fall prior to frost. Do not tank-mix with residual herbicides when applying 22 fluid ounces of this product per acre. Smartweed swamn1 2 - 331.5% Also for control, apply 11 fluid ounces of this product in a tank-mix with an appropriate rate of 2.4-D in 3 to 10 gallons of water per acre in late-summer or fall. Sowthistle, perennial

Apply when most plants are at or beyond the bud stage of growth. After harvest, mowing or tillage in late-summer or fall, allow a minimum of 4 weeks for initiation of active growth and rosette development prior to application of this product. Fall application must be made before a killing frost. Allow a minimum of 3 days after application before tillage. Spurge, leafy For suppression, apply 11 fluid ounces of this product in a tank-mix with an appropriate rate of 2,4-D in 3 to 10 gallons of water per acre in late-summer or fall. If mowing has occurred, delay application until most target plants are 12 inches tall. 1.5 10 - 40

Enhanced results can be obtained when application is made during the rosette. bolting or early-flower stage. Sweet potato, wild For partial control, apply to plants that are at or beyond the bloom stage of growth. More than one application might be needed.

Thistle, artichoke For partial control, apply when plants are at or beyond the bloom stage of growth. More than one application might be needed. 1.5 - 2

Apply when most target plants are at or beyond the bud stage of development. After harvest, mowing or tillage in late-summer or fall, allow a minimum of 4 weeks for initiation of active growth and rosette development prior to application of this product. Fall application must be made before a killing frost.

For suppression in the spring, apply 22 fluid ounces of this product alone or 11 fluid ounces of this product in a tank-mix with an appropriate rate of 2,4-D in 3 to 10 gallons of water per acre when rosette is a minimum of 6 inches in diameter. Application may be made as long as leaves are still green and plants are actively growing. Allow a minimum of 3 days after application before tillage. Timothy2 15 - 23 - 40Torpedograss 25 - 333 - 40

For partial control, apply when most target plants are at or beyond the seedhead stage of development. More than one application will be needed to achieve control. Fall application must be made before frost. Trumpetcreeper

For partial control, apply in late-September or October when trumpetcreeper is a minimum of 18 inches tall and has been growing 45 to 60 days since the last tillage operation. Make application a minimum of 1 week before a killing frost. Vasevgrass<sup>2</sup>

Velvetgrass<sup>2</sup>

Wheatgrass, western<sup>2</sup>

Apply when most plants have reached the early-bud stage of growth.

16.0

<sup>2</sup> Apply when most plants have reached the early-heading stage of growth. WOODY BRUSH, TREES AND VINES RATE SECTION

1.5

2 - 3.3

2 - 3.3

1.5 - 2

the woody stage. Enhanced results can be obtained when application is made

higher rate of application or spray solution concentration within a given range for larger plants or in areas of dense vegetative growth. On vines, use a higher rate of application or spray solution concentration for plants that have reached

in late-summer or fall after fruit formation.

Apply this product during full leaf expansion, unless otherwise directed. Use a

In arid areas, enhanced results can be obtained when application is made in spring to early-summer when brush species are at high moisture content and flowering.

Unless otherwise directed, make broadcast applications in 3 to 40 gallons of water per acre. Ensure thorough coverage when using handheld sprayers. Herbicidal symptoms might not appear prior to frost or senescence following application in the fall.

Allow a minimum of 7 days after application before tillage, mowing or removal of vegetation in the application area. Repeat applications might be necessary to control plants regenerating from underground parts or seed. Some autumn color on undesirable deciduous species is acceptable when applying this broduct, provided no major leaf drop has occurred. Reduced performance could result if fall application is made after a frost.

#### WOODY BRUSH, TREES AND VINES RATE TABLE

Handheld

Sprayer

1 - 1.5%

1-15%

Species	(quarts/acre)	Concentration (% solution)			
Alder	2-3	1%			
Ash <sup>1</sup>	1.5 - 3.3	1 - 1.5%			
Aspen, quaking	1.5 - 2	1%			
Bearmat (Bearclover) <sup>1</sup>	1.5 - 3.3	1 - 1.5%			
Beech <sup>1</sup>	1.5 - 3.3	1 - 1.5%			
Birch	1.5 - 2	1%			
Blackberry	2-3	1%			
Apply after target plants have reached full leaf maturity. Enhanced results can be obtained when application is made in late-summer or fall. Apply a 0.7-percent solution of this product after berries have set or dropped in late-fall. After leaf drop and until a killing frost or as long as stems are green, apply 2 to 2.5 miast of this product in 10 th d. Qallong of water new area.					

Didollon	1.0 0.0	1 1.070
Broom; French, Scotch	-	1 - 1.5%
Buckwheat, California <sup>1,2</sup>	-	1 - 1.5%
Cascara <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Catsclaw <sup>1</sup>	-	1%
Ceanothus <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Chamise <sup>2</sup>	-	1%
Cherry; bitter, black, pin	1.5 - 2	1%
Covote brush	-	1 - 1.5%

Apply when at least 50 percent of the new leaves are fully developed.

1.5 - 3.3

15 - 33

Blackgum

Bracken

Kudzu

Locust, black1

noamood.	1.5 - 5.5	1-1.5%
Elderberry	1.5 - 2	1%
Elm <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Eucalyptus	-	1.5%
For control of eucalyptus re-sprouts, apply		

tall Ensure complete coverage, Application to drought-stressed eucalyptus plants will result in less than optimum results.

Florida holly (Brazilian Peppertree) <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Gorse <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Hasardia <sup>1,2</sup>	-	1 - 1.5%
Hawthorn	1.5 – 2	1%
Hazel	1.5 – 2	1%
Hickory <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Honeysuckle	2-3	1%
Hornbeam, American <sup>1</sup>	1.5 - 3.3	1 - 1.5%

More than one application might be needed to achieve control.

Madrone re-sprouts1 1.5% Apply to re-sprouts that are 3 to 6 feet tall. Enhanced results can be obtained with spring or early-summer application.

2.5 - 3.3

1.5 - 3.3

1.5%

1-15%

ecies	(quarts/acre)	(% solution)	
ple, red	1.5 – 3	1%	

Handheld

Sprayer

1 - 1.5%

1 - 1.5%

1 - 1.5%

1-15%

1%

1 - 1.5%

1%

1.5%

1%

Species	(quarts/acre)	(% solution)		
Maple, red	1.5 - 3	1%		
Apply a 1-percent solution when at least 50 percent of the new leaves are fully developed. For partial control, apply 44 to 86 fluid ounces of this product per acre.				
Manle sugar		1%		

Apply when at least 50 percent of the new leaves are fully developed. Monkey flower<sup>1,2</sup> 1 - 1.5%Oak: black, white! 1 - 1.5%

1% Oak, post 2 - 3Oak, northern 1% Apply when at least 50 percent of the new pin leaves are fully developed

Oak, southern red 1.5 - 2Persimmon<sup>1</sup> 1.5 - 3.31 - 1.5%Pine 15 - 331-15%

2.5 - 3.31.5% Poison ivy/Poison oak More than one application might be needed to achieve control. Application in the fall must be made before leaves lose green color. Poplar, vellow1 1 - 1.5%

1 - 1.5%Redbud, eastern 15 - 33Rose, multiflora 1.5 1%

Make application prior to leaf deterioration by leaf-eating insects Russian olive 1.5 - 3.3

Sage, black<sup>2</sup>

1% Sage, white1 1.5 - 3.31 - 1.5%Sagebrush, California Salmonberry 15 - 21% Saltcedar 1.5 - 3.31 - 1.5%

1.5 - 3.3

1.5 - 3.3

15 - 3

15 - 2

1.5 - 3.3

1.5 - 2

Sumac: poison, smooth, winged1 Sweetgum Swordfern1 Tallowtree, Chinese

Sassafras<sup>1</sup>

Sourwood

Tan oak re-sprouts1 Apply to re-sprouts that are less than 6 feet tall. Enhanced results can be obtained following application in the fall. Thimbleberry

Tohacco tree<sup>1</sup> 1 - 1.5%1.5 - 21% Trumpetcreeper 1 - 1.5%Vine manle1 1.5 - 3.3Virginia creener 1.5 - 3.31 - 1.5%1.5 - 3.31 - 1.5%Waxmvrtle, southern1 Willow 2 - 31% Partial Control

<sup>2</sup> Thorough coverage of foliage is necessary for enhanced results.

17.0 LIMIT OF WARRANTY AND LIABILITY

Bayer CropScience LP ("Company") warrants that this product conforms to the chemical description on the label. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE.

This warranty is also subject to the conditions and limitations stated herein. Buyer and all users shall use this product only for the purposes of and in accordance with the Complete Directions for Use label ("Directions") and shall promptly notify this Company of any claims whether based in contract.

negligence, strict liability, other tort or otherwise.

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, crop injury or failure of this product to control weed biotypes which develop resistance to glyphosate. 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, use and/or application in any manner not explicitly set forth in or inconsistent with 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.

To the extent consistent with applicable law, buyer and all users are

responsible for all loss, injuries or damage from use or handling which results

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 in-crop (over-the-top) uses on Roundup Ready crops, crop safety and weed control performance are not warranted by Bayer CropScience LP when this product is used in conjunction with "brown bag" or "bin run" seed saved from previous year's production and replanted. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY

OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER. THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY TO THE EXTENT CONSISTENT WITH APPLICABLE LAW. IN

INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

be varied by any verbal or written agreement. If terms are not acceptable, return at once unopened. CROPSHIELD and Design, Degree, Harness, Roundup Ready, Roundup Ready 2 Yield, Roundup WeatherMAX and Design, Rowel, Transorb and Design,

NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY

Upon opening and using this product, buyer and all users are deemed to have

accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not

TripleFLEX, TruFlex and Warrant are registered trademarks of Bayer Group.

All other trademarks are the property of their respective owners.

In case of an emergency involving this product. call collect, day or night, 1-800-334-7577.

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800 N. LINDBERGH BLVD. ST. LOUIS, MISSOURI, 63167 USA



Herbicide for Roundup Ready® Crops

Selective broad-spectrum weed control in Roundup Ready® crops

Non-selective, broad-spectrum weed control for many agricultural systems and farmsteads.

Not all products listed on this label are registered for use in California. Check the registration status of each product in California before using.

#### ACTIVE INGREDIENT:

\*Glyphosate, N-(phosphonomethyl) glycine, in the form of its potassium salt ..... 48.8% OTHER INGREDIENTS: 51.2%

\*Contains 660 grams of the active ingredient glyphosate, in the form of its potassium salt, per liter or 5.5 pounds per U.S. gallon, which is equivalent to 540 grams of the acid, glyphosate, per liter or 4.5 pounds per U.S. gallon (39.8% by weight).

Please refer to booklet for additional precautionary statements and directions for use.

PRECAUTIONARY STATEMENTS: Hazards to Humans and Domestic Animals

Keep out of reach of children

# CAUTION

Causes moderate eye irritation Harmful if inhaled

Avoid contact with eyes, skin, or clothing

Avoid breathing vapor or spray mist

FIRST AID				
F IN EYES	• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.			
	<ul> <li>Remove contact lenses if present after the first 5 minutes then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>			
	can a poison control control of doctor for treatment davice.			
IF ON	Take off contaminated clothing			

	<ul> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
SKIN OR	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF Inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> </ul>

Call a poison control center or doctor for treatment advice.

- Have the product container or labeling with you when calling a poison control center or doctor, or going for treatment.
- You can also call 1-800-334-7577, collect, day or night, for emergency medical treatment information.
- This product is identified as Roundup WeatherMAX Herbicide, EPA Registration No. 524-537.

NET 2.5 GAL

## **DIRECTIONS FOR USE**

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

# STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

**PESTICIDE STORAGE:** Store pesticides away from food, pet food, feed, seed, fertilizers. and veterinary supplies. Keep container closed to prevent spills and contamination. See individual container label for additional storage conditions, if any,

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in the container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

CONTAINER HANDLING AND DISPOSAL: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in this container. Contact your state regulatory agency to determine allowable practices in your state. Triple rinse or pressure rinse (or equivalent) this container promotly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix-tank and continue to drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix-tank, or store rinsate for later use or disposal. Continue to drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or mix-tank and continue to drain for 10 seconds after the flow begins to drip. Place container so that it can drain directly into application equipment or mix-tank while rinsing, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle into the side of the container and rinse at about 40 PSI for at least 30 seconds. Continue to drain for 10 seconds after the flow begins to drip. Once properly rinsed, some plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest collection site, contact your chemical dealer or Bayer CropScience LP at 1-866-99BAYER (1-866-992-2937). If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

> FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT. CALL TOLL-FREE. 1-866-99BAYER (1-866-992-2937).

IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT. OR FOR MEDICAL ASSISTANCE. CALL COLLECT. DAY OR NIGHT. 1-800-334-7577.

EPA Reg. No. 524-537

EPA Est. 524-IA-1

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US62218892B 161018Bv2 08/20



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GROUP 9 HERBICIDE

THIS SIDE UP



2 x 2.5 Gallons

Herbicide for Roundup Ready® crops

Selective broad-spectrum weed control in Roundup Ready® crops

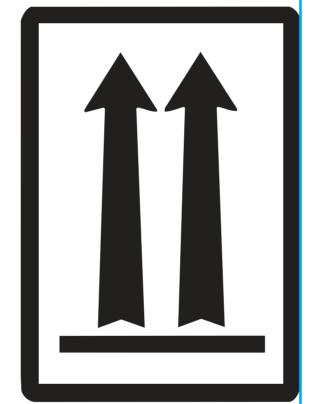
Non-selective, broad-spectrum weed control for many agricultural systems and farmsteads



7**67079**B^5







BARCODE GOES HERE DO NOT PRINT - FOR POSITION ONLY

7**7**70798^5

TRANSORB® 2 Roundup

VeatherMAX

HERBICIDE

Selective broad-spectrum weed control in Roundup Ready® crops Non-selective, broad-spectrum weed control for many agricultural systems and farmsteads ACTIVE INGREDIENT: \*Glyphosate, N-(phosphonomethyl) glycine, in the form of its potassium salt ... OTHER INGREDIENTS: Contains 660 grams of the active ingredient glyphosate, in the form of its potassium salt, per liter or 5.5 pounds per U.S. gallon, which is equivalent to 540 grams of the acid, glyphosate, per liter or 4.5 pounds per U.S. gallon (39.8% by weight).

> EPA Est. 524-IA-1 **KEEP OUT OF REACH OF CHILDREN**

**CAUTION** FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT, CALL TOLL-FREE,

1-866-99BAYER (1-866-992-2937) IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT,

OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, 1-800-334-7577 See Booklet for Complete Precautionary Statements and Directions for Use.

Net Contents: 2 x 2.5 Gallons

THIS SIDE UP

Packed For: Bayer CropScience LP 800 N. Lindbergh Blvd. St. Louis, MO 63167 USA

EPA Reg. No. 524-537

Call a poison control center or doctor for treatment advice.

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
Remove contact lenses if present after the first 5 minutes then continue Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice. Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

Have the product container or labeling with you when calling a poison control center or doctor, or going for treatment. You can also call 1-800-334-7577, collect, day or night, for emergency medical treatment This product is identified as Roundup WeatherMAX® Herbicide, EPA Registration No. 524-537

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

STORAGE

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

**PESTICIDE STORAGE:** Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination.

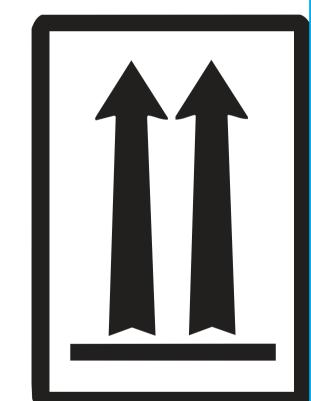
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BARCODE GOES HERE DO NOT PRINT - FOR POSITION ONLY



# Roundup WeatherMAX

# HERBICIDE

## **Complete Directions for Use**

Herbicide for Roundup Ready® Crops

Selective broad-spectrum weed control in Roundup Ready® crops
Non-selective, broad-spectrum weed control for many agricultural systems and farmsteads

48.8%

51.2%



Specially formulated for Roundup Ready\*crops

## ACTIVE INGREDIENT:

\*Glyphosate, N-(phosphonomethyl) glycine, in the form of its potassium salt..... OTHER INGREDIENTS:

\*Contains 660 grams of the active ingredient glyphosate, in the form of its potassium salt, per liter or 5.5 pounds per U.S. gallon, which is equivalent to 540 grams of the acid, glyphosate, per liter or 4.5 pounds per U.S. gallon (39.8% by weight).

# Keep out of reach of children

# CAUTION

Please refer to booklet for additional precautionary statements and directions for use.

Not all products listed on this label are registered for use in California. Check the registration status o each product in California before using.

THIS IS AN END-USE PRODUCT. BAYER CROPSCIENCE LP DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING.

FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT, CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937).

IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE. CALL COLLECT. DAY OR NIGHT. 1-800-334-7577.

EPA Reg. No. 524-537

EPA Est. No. 524-IA-1

Packed For: BAYER CROPSCIENCE LP

800 N. LINDBERGH BLVD. ST. LOUIS, MISSOURI, 63167 U.S.A.

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**NET 30 GAL** 

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AVOID CONTACT OF THIS HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS DESIRABLE PLANTS AND TREES. EXCEPT AS DIRECTED FOR USE ON ROUNDUP READY® CROPS. AS SEVERE PLANT INJURY OR DESTRUCTION COULD RESULT. Read the entire label before using this product. Use only according to label directions. Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of this labeling before buying or using. If terms are not acceptable, return at once unopened. CONTENTS 1 0 2.0 3.0 3.1 3.2 3 3 4.0 PRODUCT INFORMATION ......2 5.0 6.0 6.1 1.0 Management of Glyphosate-Resistant Biotypes . . . . . . . 2 6.2 7.0 7.2 7.3 7.4 7.5 7.6 7.7 8.0 8.1 8.2 8.3 2.0 Handheld Sprayers. 5 Selective Application Equipment 5 8.4 8.5 86 Controlled Droplet Applicator (CDA) . . . . . . . . . . . . . 5 8.7 90 9.1 Cereal and Grain Crops . . . . . . . . . . . . . 6 9.2 9.3 3.0 9.4 Grain Sorghum (Milo). 7 Herbs and Spices. 7 9.5 Oilseed Crops8Soybean8 9.7 9.8 9.9 
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Poundup Poody Floy Cotton

## INGREDIENTS

#### ACTIVE INGREDIENT:

\*Glyphosate, N-(phosphonomethyl)glycine, OTHER INGREDIENTS: 51.2%

\*Contains 660 grams of the active ingredient glyphosate, in the form of its potassium salt, per liter or 5.5 pounds per U.S. gallon, which is equivalent to 540 grams of the acid, glyphosate, per liter or 4.5 pounds per U.S. gallon (39.8% by weight).

For a list of patents, if any, covering this product or its use, please go to www.monsantotechnology.com.

## IMPORTANT PHONE NUMBERS

- FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT. CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937)
- IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT. OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, 1-800-334-7577

## PRECAUTIONARY STATEMENTS

## **Hazards to Humans and Domestic Animals**

# Keep out of reach of children **CAUTION**

Causes moderate eve irritation Harmful if inhaled Avoid contact with eyes, skin, or clothing

Avoid breathing vapor or spray mist FIRST AID

	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
IF ON Skin or Clothing	Take off contaminated clothing.     Rinse skin immediately with plenty of water for 15 tr 20 minutes.     Call a poison control center or doctor for treatment advice.
IF	Move person to fresh air.

. Hold eve open and rinse slowly and gently with water for 15 to

. If person is not breathing, call 911 or an ambulance, then give

artificial respiration, preferably mouth-to-mouth, if possible.

· Call a poison control center or doctor for treatment advice.

Have the product container or labeling with you when calling a poison

control center or doctor, or going for treatment. You can also call 1-800-334-7577, collect, day or night, for emergency

medical treatment information. This product is identified as Roundup WeatherMAX Herbicide, EPA Registration No. 524-537.

DOMESTIC ANIMALS: This product is considered to be relatively nontoxid to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation could 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)

Some of the materials that are chemical-resistant to this product are listed below.

Mixers, Loaders, Other Handlers and Applicators, when handling this concentrated product or its application solutions of 30 percent concentration or greater, must wear: long-sleeved shirt and long pants socks and shoes, and chemical-resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride.

Applicators, when handling only spray solutions where concentration is 30 percent of this product or less, must wear: long-sleeved shirt and long pants, socks and shoes.

Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). If there are no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

#### **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

#### **Environmental Hazards** 3.2

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 wash waters and rinsate

#### 3.3 Physical or Chemical Hazards

Spray solutions of this product may be mixed, stored and applied using stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX. STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas. which can form a highly combustible gas mixture. This gas mixture could flash or explode if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source and cause serious personal injury.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product may only be used in accordance with the Directions for Use on this label or on separately published supplemental labeling. Supplemental labeling for this product can be obtained from your Authorized Bayer CropScience LP Representative.

Do not apply this product in a way that will contact workers or other persons. either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe. consult the agency responsible for pesticide regulation.

#### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry 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

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, shoes plus socks, and chemical-resistant gloves made of any waterproof material.

#### 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.

## 4.0 STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination. See individual container label for additional storage conditions, if any.

PESTICIDE DISPOSAL: To avoid wastes, use all material in the container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

CONTAINER HANDLING AND DISPOSAL: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse (or equivalent) this container promotly after.

Triple rinse or pressure rinse (or equivalent) this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or mix-tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth for 30 seconds, ensuring at least one complete revolution. 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 mix-tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix-tank and continue to drain for 10 seconds after the flow begins to drip. Place containers ob that it can drain directly into application equipment or mix-tank while rinsing, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle into the side of the container and rinse at about 40 PSI for at least 30 seconds. Continue to drain for 10 seconds after the flow begins to drip.

Once properly rinsed, some plastic agricultural pesticide containers can be taken to a container collection site or picked up for recycling.

To find the nearest collection site, contact your chemical dealer or Bayer CropScience LP at 1-866-99BAYER (1-866-992-2937).

If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

## 5.0 PRODUCT INFORMATION

Product Description: This product is a postemergence, systemic herbicide with no soil residual activity. It is generally non-selective and gives broad-spectrum control of many annual and perennial weeds, woody brush, trees and vines. It is formulated as a water-soluble liquid containing surfactant and may be applied using standard and specialized pesticide application equipment after dilution and thorough mixing with water or other carrier according to label directions.

Do not add surfactants, additives containing surfactants, buffering agents or pH adjusting agents to the spray solution when **Roundup WeatherMAX Herbicide** is the only pesticide being applied unless otherwise directed. See the "MIXING" section of this label for instructions regarding other additives.

**Mechanism of Action:** The active ingredient in this product inhibits an enzyme found only in plants and microorganisms that is essential to the formation of specific amino acids.

No Soil Activity: This product binds tightly to soil particles and does not provide residual weed control. Weeds must be emerged at the time of application to be controlled by foliar application of this product. Weed seeds in the soil will not be affected by this product and will continue to germinate. Unattached plant rhizomes and rootstocks beneath the soil surface will also not be affected by this product.

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

Stage of Weeds: Annual weeds are easiest to control when they are small. Enhanced control of most perennial weeds is obtained when this product is applied at late growth stages approaching maturity. Refer to the "ANNUAL WEEDS RATE SECTION," "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" for more information on the control of specific weeds.

Cultural Considerations: Reduced weed control could result when this product is applied to annual or perennial weeds that have been mowed, grazed or cut, and have not been allowed to re-grow prior to application. Always use a higher product application rate within the given range when weed growth is heavy or dense, or when weeds are growing in an undisturbed (non-cultivated) area. Reduced weed control could also result when this product is applied to weeds that show signs of disease or insect damage, are covered with dust, or are surviving under poor growing conditions.

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

Rainfastness: Rainfall within 4 hours of application could wash this product off of the foliage and a second application might then be needed for acceptable weed control. Refer to specific use sections of this label for additional information on the minimum intervals required before re-application of this product.

Time to Symptoms: This product moves through the plant from the point of foliage contact to and into the root system. Visible effects are a gradual wilting and yellowing of the plant that advances to complete browning of aboveground growth and deterioration of underground plant parts. Effects are visible on most annual weeds within 2 to 4 days, but on most perennial weeds, effects might not be visible for 7 or more days after application. Extremely cool or cloudy weather following application could slow activity of this product and delay development of visual symptoms.

Maximum Application Rates: The maximum application or use rates stated throughout this label are given in units of volume (fluid ounces or quarts) of this product per acre. However, the maximum allowable application rates apply to this product combined with the use of any and all other herbicides containing the active ingredient glyphosate, whether applied separately or in a tank mixture, on a basis of total pounds of glyphosate (acid equivalents) per acre. If more than one glyphosate-containing product is applied to the same site within the same year, you must ensure that the total use of glyphosate (pounds acid equivalents) per observable of the maximum allowed. See the "INGREDIENTS" section of this label for necessary product information.

Unless otherwise specified on this label, the combined total application of this product on a site must not exceed 5.3 quarts (6 pounds of glyphosate acid) per acre per year. For applications on non-crop sites, or on tree, vine or shrub crop production sites, the combined total application of this product must not exceed 7 quarts (8 pounds of glyphosate acid) per acre per year.

NOTE: Use of this product in any manner not consistent with this label could result in injury to persons, animals or crops, or have other unintended consequences.

## 6.0 WEED RESISTANCE MANAGEMENT

GROUP 9 HERBICIDE

Glyphosate, the active ingredient in this product, is a Group 9 herbicide based on the mechanism of action classification system of the Weed Science Society of America. Any weed oppulation can contain plants that are naturally resistant to Group 9 herbicides. Weeds resistant to Group 9 herbicides can be effectively managed by using another herbicide from a different Group (either alone or in a mixture according to label directions), by using other cultural or mechanical methods of weed control, or a combination of the two; Consult your local company representative, state cooperative extension agent; professional consultant or other qualified authority to determine appropriate actions for controlling specific resistant weeds.

## 6.1 Weed Management Practices

Resistant populations arise when rare individual plants are uncontrolled by a normal dose of a given herbicide under normal environmental conditions. In the absence of other control measures these individuals survive, produce seed, and eventually become the dominant biotype in the field through continuous selection. The best means of reducing this selection is to use diverse weed control practices such as multiple herbicides with different mechanisms of action, and often in combination with various mechanical and cultural practices.

To minimize the occurrence of herbicide-resistant biotypes, including those resistant to glyphosate, implement the following weed management practice options that are practical to your situation. These management practices are applicable to reduce the spread of confirmed resistant biotypes (managing existing resistant biotypes) and to reduce the potential for selecting for resistance in new species (proactive resistance management).

\*\*Use a diversified approach toward weed management focused on

- preventing weed seed production and reducing the number of weed seeds in the soil.
- Plant crops into fields that are as weed-free as possible and then keep them as weed-free as possible.
- Plant crop seed that is as weed-free as possible.
- . Scout fields routinely, before and after herbicide application.
- Use multiple herbicide mechanisms of action that are effective against the most troublesome weeds in your field and against those with known resistance.
- Apply herbicides at application rates listed on the label when weeds are within the size range indicated on the label.
- Emphasize cultural practices that suppress weeds by using crop competitiveness.
- Use mechanical and biological weed management practices where appropriate.
- Prevent field-to-field and within-field movement of weed seed or vegetative propagules.
- Manage weed seed at harvest and after harvest to prevent a buildup of the weed seedbank.

## **G.**2 Management of Glyphosate-Resistant Biotypes

Appropriate testing is needed to determine if a weed is resistant to glyphosate. Call 1-866-99BAYER (1-866-992-2937) or contact your Bayer CropScience IP representative to determine if resistance in any particular weed biotype has been confirmed in your area, or visit on the Internet at www.weedssience.paragement.com or www.weedscience.pdf

Glyphosate-resistant weeds can be controlled or managed by applying this product in combination with residual preemergence herbicides and/or or other postemergence herbicides labeled for control of the targeted weed in the crop being grown. For more information, see the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label.

Since the occurrence of resistant weeds is difficult to detect prior to use, Bayer CropScience LP accepts no liability for any losses that result from the failure of this product to control resistant weeds.

2

#### 7.0 MIXING

Spray solutions of this product may be mixed, stored and applied using clean stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALYANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEFL) CONTAINERS OR SPRAY TANKS.

Eliminate any risk of siphoning the contents of the tank back into the carrier source while mixing. Use approved anti-back-siphoning devices where required by State or local regulations.

A 50-mesh nozzle screen or line strainer on the spray equipment is adequate.

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

## 7.1 Mixing with Water

PERFORMANCE OF THIS PRODUCT CAN BE SIGNIFICANTLY REDUCED IF WATER CONTAINING SOIL SEDIMENT IS USED AS CARRIER. DO NOT MIX THIS PRODUCT WITH WATER FROM PONDS OR DITCHES THAT IS VISIBLY MUDDY OR MURKY.

This product mixes readily with water. Mix spray solutions of this product as follows. Begin filling the mixing tank or spray tank with clean water. Add the required amount of this product near the end of the filling process and mix gently. Foaming of the spray solution can occur during mixing. To prevent or minimize foaming, mix gently, terminate bypass and return lines at the bottom of the tank, and, if necessary, add an appropriate anti-foam or defoaming agent to the spray solution.

## 7.2 Tank Mixtures

This product does not provide residual weed control. This product may be tank-mixed with other herbicides to provide residual weed control in the soil, a broader weed control spectrum, or an alternate mechanism of action.

Some tank-mix products have the potential to cause crop injury under certain conditions, at certain growth stages and/or under other circumstances. Read the label of all products to be used in the tank mixture prior to use to determine the potential for crop injury.

Fank mixtures with other herbicides, insecticides, fungicides, micronutrients or foliar fertilizers could result in reduced weed control or crop injury. Bayer CropScience LP has not tested all tank-mix product formulations for compatibility, antagonism or reduction in product performance. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly specified on this label, or on separate supplemental labeling or Fact Sheets published for this product.

When a tank-mix with a generic active ingredient, such as 2,4-D, atrazine, dicamba, diuron, pendimethalin, or any other product or material, is listed on this label, the user is responsible for ensuring that the specific application being made is included on the label of the product used in the mix.

Refer to all individual product labels, supplemental labeling and Fact Sheets for all products in the tank mixture, and observe all precautions and limitations on the label, including any application timing restrictions, soil restrictions, minimum re-cropping intervals and/or crop rotation restrictions. Use according to the most restrictive precautionary statements for each product in the tank mixture.

For enhanced results, apply tank mixtures with this product at a minimum spray volume rate of 10 gallons per acre.

## 7.3 Tank-Mixing Procedure

Always predetermine the compatibility of all tank-mix products together in the carrier by mixing small proportional quantities in advance.

Mix only the quantity of spray solution that will be applied that day. Application of tank-mix solutions that are allowed to stand overnight could result in reduced weed control. Prepare tank mixtures of this product as follows:

- Place a 20- to 35-mesh screen or wetting basket over the filling port of the tank.
   Through the corresponding the tank and half full with water and start grantle.
- Through the screen, fill the tank one-half full with water and start gentle agitation.
- If ammonium sulfate is to be used, add it slowly through the screen into the tank and continue adding water into the tank through the screen. If dry ammonium sulfate is being used, ensure that it is completely dissolved in
- the tank before adding other products.

  4. If a wettable powder is used, prepare a slurry of it with water and add it SLOWLY through the screen into the tank while continuing gentle agitation.
- If a flowable formulation is used, premix one part flowable with one part water and add the diluted mixture SLOWLY through the screen into the tank while continuing gentle agitation.
- while continuing genie agradori.

  6. If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water and add the diluted mixture SLOWLY through the screen into the tank while continuing centle agritation.
- eminismable concentrate with two parts water and add the diluted mixture SLOWLY through the screen into the tank while continuing gentle agitation.

  7. Continue filling the tank with water through the screen and add the required amount of this product near the end of the filling process.
- Add individual tank-mix components to the tank as follows: wettable powders, flowables, emulsifiable concentrates, drift reduction additives, water soluble liquids (this product).

Maintain gentle agitation at all times until the contents of the tank are sprayed out. If the spray mixture is allowed to settle, agitate thoroughly to resuspend the mixture before resuming application.

Keep by-pass and return lines on or near the bottom of the tank to minimize foaming.

A 50-mesh nozzle screen or line strainer on the spray equipment is adequate.

# .4 Mixing Spray Solution Concentrations

All reference throughout this label to concentration of this product in a spray solution is on a percentage-of-volume basis.

Prepare the desired volume of spray solution at a given concentration by mixing the amount of this product indicated in the following table with water.

Desired Volume of Spray	Amount of ROUNDUP WEATHERMAX HERBICIDE to Achieve Indicated Concentration in Spray Solution (percent by volume)					
Solution	0.4%	0.7%	1%	1.5%	4%	7%
1 gallon	0.5 fl oz	1 fl oz	1.3 fl oz	2 fl oz	5 fl oz	9 fl oz
25 gallons	13 fl oz	22 fl oz	1 qt	1.5 qts	4 qts	7 qts
100 gallons	1.6 qts	2.8 qts	1 gal	1.5 gals	4 gals	7 gals

2 tablespoons = 1 fluid ounce (fl oz)

For filling backpack and pump-up sprayers, consider mixing the appropriate amount of this product with water in a larger container and then filling the sprayer from the larger container.

## 7.5 Ammonium Sulfate

Unless otherwise directed, the addition of 1 to 2 percent dry ammonium sulfate by weight (8.5 to 17 pounds per 100 gallons of water), could increase the performance of this product on annual and perennial weeks, particularly under hard water conditions, drought conditions or when tank-mixed with certain residual herbicides. An equivalent amount of a liquid formulation of ammonium sulfate is completely dissolved in the spray tank before adding herbicides. Thoroughly rinse the spray system with clean water promptly after use to reduce corrosion.

When using ammonium sulfate, apply this product at rates directed on this label; lower application rates will result in reduced performance.

## 1.6 Colorants and Dyes

Colorants and marking dyes may be added to spray solutions of this product; however, they can reduce the performance of this product. Use colorants and dyes according to the manufacturer's directions.

#### .7 Drift Reduction Additives

Drift reduction additives may be used with all equipment types, except wiper applicators, sponge bars and controlled droplet applicators (CDA). When a drift reduction additive is used, read and follow all precautions, limitations and all other information on the product label. Use of drift reduction additives can affect spray coverage, which could reduce the performance of this product.

## .O APPLICATION EQUIPMENT AND TECHNIQUES

This product may be applied with the following application equipment:

Aerial Application Equipment—fixed-wing and helicopter

Ground Application Equipment—boom or boomless systems, pull-type

sprayers, floaters, pick-up sprayers, spray coupes and other ground broadcast application equipment

Handheld Sprayers—backpack sprayers, pump-up pressure sprayers,

handguns, handwands, mistblowers\*, lances and other handheld and motorized spray equipment used to direct the spray onto weed foliage

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 Application Equipment—shielded and hooded sprayers, winer

applicator, sponge bar

Injection Systems—aerial or ground injection sprayers

Controlled Droplet Applicator (CDA)—handheld or boom-mounted
applicators that produce a spray consisting of a narrow range of droplet sizes

APPLY THIS PRODUCT LISHING PROPERLY MAINTAINED AND CALIBRATED

EQUIPMENT CAPABLE OF ACCURATELY DELIVERING DESIRED VOLUMES. Do not apply this product through any type of irrigation system.

## R.1 Spray Drift Management

AVOID CONTACT OF THIS HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESTRABLE PLANTS AND TREES, EXCEPT AS DIRECTED FOR USE ON ROUNDUP READY® CROPS, AS SEVERE PLANT INJURY OR DESTRUCTION COULD RESULT.

Do not allow the herbicide solution to mist, drip, drift, or splash onto desirable

Do not allow the herbicide solution to mist, drip, drift, or splash onto desirable vegetation, as small quantities of this product can cause severe damage or destruction to the crop, plants or other vegetation on which application was not intended.

ANOID DRIFT HISE EXTREME CARE TO PREVENT INJURY TO DESIRABLE PLANTS.

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

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and grower are responsible for considering all these factors when making decisions regarding the application of this product.

The likelihood of injury occurring as the result of spray drift while applying 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 generation of fine particles (mist) that are likely to drift.

TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFERS MUST BE MAINTAINED.

AVOID APPLYING THIS PRODUCT AT EXCESSIVE SPEED OR SPRAYER PRESSURE.

## **R.2** Aerial Application Equipment

Unless otherwise prohibited, all applications of this product described on this label may be made using aerial application equipment where appropriate, provided that the applicator compiles with the precautions and restrictions specified on this label or on separate supplemental labeling published for this product.

ON NOT APPLY THIS PRODUCT USING AERIAL APPLICATION EQUIPMENT EXCEPT UNDER CONDITIONS SPECIFIED ON THIS LABEL OR ON SEPARATELY PUBLISHED SUPPLEMENTAL LABELING FOR THIS PRODUCT.

FOR SPECIFIC USE INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS RELATED TO THE AERIAL APPLICATION OF THIS PRODUCT IN ARKANSAS AND

CALIFORNIA OR SPECIFIC COUNTIES THEREIN, REFER TO THE LIMITATIONS ON AFRIAL APPLICATION IN THAT STATE OR COUNTY PRESENTED IN THIS SECTION.

application rates, spray volumes and additional directions for use.

Unless otherwise directed, the maximum single application rate of this product is 44 fluid ounces per acre when using aerial application equipment. Apply this product at the appropriate rate in 3 to 15 gallons of water per acre unless otherwise directed on this label or on separate supplemental labeling for this product. Refer to the individual use sections of this label for

Drift control reduction additives may be used.

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

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

## coating (paint) that meets aerospace specification MIL-C-38413 can help AERIAL SPRAY DRIFT MANAGEMENT

SURFACES COULD RESULT IN CORROSION AND POSSIBLE FAILURE OF THE

PART, LANDING GEAR IS MOST SUSCEPTIBLE. The maintenance of an organic

The following drift management requirements must be followed to minimize pff-target drift movement during aerial application. 1. The distance of the outermost nozzles on the boom must not exceed 3/4

the length of the wingspan or rotor. 2. Nozzles must always point backward, parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have

more stringent regulations, they must be followed.

#### Importance of Droplet Size

prevent corrosion.

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 the application is made improperly or under unfavorable environmental conditions, such as in windy, high temperature with low humidity, and/or inversion conditions as described

#### 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: Operate at a sprayer pressure towards the lower end of the range listed 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 the 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 air stream, 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 34 of the wingspan or rotor length could further reduce drift without reducing swath width. Application height: Application must be made at a height of 10 feet or less above the top of the largest plants, unless a greater height is required
- for aircraft safety. Making the application at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind

#### Swath Adjustment

When an application is made with a crosswind present, the swath will be displaced downwind. Therefore, on the upwind and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Increase the swath adjustment distance with increasing drift potential (higher wind, smaller droplets, etc.).

Drift potential is lowest at wind speeds of between 2 and 10 miles per hour. However, many factors, including droplet size and equipment type, determine drift potential at any given wind speed. Avoid application when wind speeds are 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 an application in low relative humidity, set application equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

#### Temperature Inversion

Do not apply this product during a temperature inversion as drift potential is high under these conditions. Temperature inversions restrict vertical air mixing, which causes small droplets to remain suspended 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

#### Sensitive Areas

Apply this product only 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 a sensitive area).

Avoid direct application to any body of water.

## State Specific Limitations on Aerial Application

rapidly dissipates indicates good vertical air mixing.

#### LIMITATIONS ON AERIAL APPLICATION IN CALIFORNIA ONLY

DO NOT apply this product using aerial application equipment in residential areas. AVOID DRIFT - DO NOT APPLY WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITION THAT FAVORS DRIFT. DRIFT OF THIS PRODUCT ONTO ANY VEGETATION TO WHICH APPLICATION WAS NOT INTENDED CAN CAUSE DAMAGE, TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, USE PROPER AERIAL APPLICATION EQUIPMENT FITTED WITH APPROPRIATE NOZZLES AND MAINTAIN ADEQUATE BUFFERS

Follow the directions below when making an aerial application near non-target crops, desirable annual vegetation, or desirable perennial vegetation after bud break and before total leaf drop.

- 1. Do not apply this product within 100 feet of all desirable vegetation or non-target crops.
- 2. If winds are blowing up to 5 miles per hour TOWARD desirable vegetation or non-target crops, do not apply this product within 500 feet of the desirable vegetation or crops. 3. If winds are blowing between 5 and 10 miles per hour TOWARD desirable
- vegetation or non-target crops, a buffer zone greater than 500 feet might be needed to protect the desirable vegetation or crops.
- 4. Do not apply this product using aerial application equipment when winds are blowing in excess of 10 miles per hour.
- 5. Do not apply this product using aerial application equipment when inversion conditions exist.

When tank-mixing this product with 2,4-D, only 2,4-D amine formulations may be applied in California using aerial application equipment. Tank mixtures of this product with 2.4-D amine formulations may be applied by air in California on fallow fields and in reduced tillage systems, and for alfalfa and pasture renovation applications only.

This product, when tank-mixed with dicamba, may not be applied by air in California.

#### ADDITIONAL LIMITATIONS ON AERIAL APPLICATION IN FRESNO COUNTY, CALIFORNIA ONLY

Always read and follow the label directions and precautionary statements for all products used in the aerial application.

The following information applies only from February 15 through

March 31 within the following boundaries of Fresno County, California: North: Fresno County line South: Fresno County line

West: Fresno County line Observe the following directions to minimize off-site movement during

aerial application of this product. Minimization of off-site movement is the responsibility of the grower, Pest Control Advisor and aerial applicator.

Fast: State Highway 99

## Written Directions

Written directions MUST be submitted by or on behalf of the applicator to the Fresno County Agricultural Commissioner 24 hours prior to the application. These written directions MUST state the proximity of surrounding crops and that conditions of each manufacturer's product label and this label have been satisfied.

#### Aerial Applicator Training and Equipment

Aerial application of this product 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 spray 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-ins 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 additional information on the proper aerial application of this product in

Fresno County, call 1-866-99BAYER (1-866-992-2937).

#### LIMITATIONS ON AERIAL APPLICATION IN ARKANSAS ONLY

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.

Apply this product at the appropriate rate 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. Coarse droplets in the 300 to 500 (VMD) micron range have a lower drift potential.

Applications are typically to 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 percent of the length of the wingspan or rotor. In many cases, reducing this

distance to 65 percent 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 airflow 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 can occur when wind speeds are less than 2 miles per hour.

Follow the directions below when an aerial application is made near

- non-target crops or other desirable vegetation: Do not apply this product within 100 feet of non-target crops or any
- If winds are blowing up to 5 miles per hour TOWARD non-target crops or desirable vegetation, do not apply this product within 500 feet upwind of the crop or desirable vegetation. 3. If winds are blowing between 5 and 10 miles per hour TOWARD non-target
- crops or desirable vegetation, a buffer zone greater than 500 feet might be needed to protect the crop or desirable vegetation.

## Ground Application Equipment

desirable vegetation.

Apply this product at the appropriate rate as specified on this label in 3 to 40 gallons of water per acre when making a broadcast application using ground application equipment, unless otherwise directed on this label or on separate supplemental labeling or Fact Sheets published for this product. As the weed density increases, increase the spray volume towards the upper end of this range to ensure complete coverage. Use nozzles that will avoid generating a fine mist. For enhanced results with ground application equipment, use flat-fan nozzles. Check spray pattern for uniform distribution of spray droplets.

#### **Q**.4 **Handheld Sprayers**

When using a handheld sprayer, apply spray solutions of this product uniformly and completely to the foliage of target weeds using a coarse droplet spectrum and a spray-to-wet technique: do not spray to the point of runoff. For the appropriate concentration of this product in the spray solution and timing of application to control specific weeds, woody brush, trees and vines, refer to the "ANNUAL WEEDS RATE SECTION," "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label.

Spot treatment application of this product for weed control in a cropping system using a handheld sprayer may be made only when specifically directed on this label or on separate supplemental labeling for this product. The crop sprayed with this product will be killed along with the weeds. Take care not to spray or allow spray to drift outside the target area in order to avoid unwanted crop destruction.

#### 2.5 Selective Application Equipment

Selective application equipment allows this product to be applied to weeds growing near the crop or other desirable vegetation without killing the desirable vegetation. Selective application equipment must be capable of preventing all contact of the herbicide solution with the crop or other desirable vegetation and operated without spray mist escape, leakage, or dripping of the herbicide solution.

AVOID CONTACT OF THIS HERBICIDE WITH DESIRABLE VEGETATION, Contact of this product with desirable vegetation could result in unwanted plant damage or destruction. To the extent consistent with applicable law, such damage shall be the sole responsibility of the applicator.

#### Shielded and Hooded Sprayers

A shielded sprayer directs the herbicide solution to the target weeds while protecting the crop or other desirable vegetation from being contacted by the herbicide spray with an impervious material or shield. Use nozzles that provide uniform coverage within the application area. Keep shields properly adjusted to protect desirable vegetation.

A hooded sprayer is a type of shielded sprayer where the spray pattern is fully enclosed, including the top, sides, front and back, thereby shielding the crop or other desirable vegetation from the spray solution.

This product may be diluted in water and applied using a shielded or hooded sprayer to weeds listed on this label growing on any non-crop site described on this label and in between rows of plants (row middles) in any cropping system listed on this label.

Properly adjust the hood to protect desirable vegetation. Ensure that the hood is capable of completely enclosing the spray pattern. If necessary when applying around crops grown on raised beds, extend the front and rear flaps of the hooded sprayer downward to reach the ground in deep furrows.

A hooded sprayer must be configured and operated in a manner that minimizes bouncing and avoids raising the hood up off the ground surface at any time. If the hood is raised, spray particles can escape and come into contact with the crop, causing damage to or destruction of the crop or other desirable vegetation. Avoid operating this equipment on rough or sloping terrain where the spray hood is likely to rise up off the ground surface.

Use hoods designed to minimize excessive dripping or runoff down the inside

of the hood, such as 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, with a

The following procedures will help reduce the potential for crop injury when

. Operate the sprayer with the hood on the ground or skimming across the

· Leave at least an 8-inch untreated strip over the drill row. (For example.

Operate at a ground speed of no greater than 5 miles per hour to minimize

Use low-drift nozzles that provide uniform coverage within the application

Injury to a crop or other desirable vegetation can occur when application

is made to foliage of weeds that come into direct contact with the crop or

desirable vegetation. Do not apply this product when leaves of desirable

vegetation are growing in direct contact with weeds. Droplets, mist, foam or

splatter of the herbicide solution settling onto desirable vegetation can result

A wiper applicator is a device that physically wipes this product or solutions

of this product directly onto the target weed or cut stump. Any handheld

device that is capable of physically wiping this product or solutions of this

product directly onto the target weed or cut stump, such as a paint brush,

A mechanical wiper applicator, such as a rope wick or sponge bar that can be

driven through a field over the top of a crop or other desirable vegetation to

control weeds that are taller than the desirable vegetation, must be designed.

maintained and operated to prevent the herbicide solution from contacting

Wiper applicators may be used over the top of food or feed crops ONLY if

specifically permitted for use over that crop by this label or by separately

When using a mechanical wiper applicator, adjust the height of the applicator

to ensure adequate contact with weeds and so that the wiper contact point

is a minimum of 2 inches above the desirable vegetation. Enhanced results

can be obtained when more of the weed is exposed to the herbicide solution

and weeds are a minimum of 6 inches above the desirable vegetation. Weeds

that do not come into contact with the herbicide solution will not be affected.

Poor contact can occur when weeds are growing in dense clumps, when

operating in an area of severe weed infestation, or when weed height varies

dramatically. In these situations, more than one application of this product

Operate wiper applicators at a ground speed of no greater than 5 miles per

hour. Performance in areas of heavy weed infestation can be improved by

reducing speed, which will provide more time for re-saturation of the wiper

with the herbicide solution and more contact time of the wiper with the

weed. Enhanced results with a wiper applicator can be obtained when two

Droplets, mist, foam or splatter of the herbicide solution settling onto

desirable vegetation can result in discoloration, stunting or destruction, Avoid

leakage or dripping onto desirable vegetation. Be aware that on sloping ground

the herbicide solution can migrate to one side, causing dripping on the lower

Do not apply this product using a wiper applicator when weeds are wet.

applications are made traveling in opposite directions in the field.

end and drying of the wiper on the upper end of the applicator.

if the crop row width is 38 inches, make the maximum width of the spray

spray volume of 20 to 30 gallons per acre.

bouncing of the hooded sprayer.

in discoloration, stunting or destruction.

published supplemental labeling for this product.

Wiper Applicator

may be used.

desirable vegetation.

might be necessary.

Keep wiper surfaces clean.

Apply when wind speed is 10 miles per hour or less.

using a hooded sprayer:

ground surface.

For Rope and Sponge Wick Applicators—use solutions ranging from 33 to

75 percent of this product in water.

For Panel Applicators—use solutions ranging from 33 to 100 percent (undiluted) of this product in water

Mix only the amount of this product that will be used during a 1-day period. as reduced product performance can result from the use of solutions held

Clean wiper parts promptly after using this product by thoroughly flushing with water.

#### Injection Systems 2.6

This product may be used in aerial and ground injection spray systems as a liquid concentrate or diluted prior to injecting into the spray stream. Do not mix this concentrated product with the undiluted concentrate of other products for use in injection systems, unless otherwise directed.

## Controlled Droplet Applicator (CDA)

The amount of this product applied per acre using a controlled droplet applicator (CDA) must be no less than the rate specified on this label for application using conventional broadcast application equipment.

A controlled droplet applicator produces a spray pattern that is not easily visible. Use extreme care to avoid spray or drift from contacting the foliage of any other green tissue of desirable vegetation, as plant damage or destruction could result.

#### 9.0 ANNUAL AND PERENNIAL CROPS

THIS SECTION PROVIDES DIRECTIONS FOR USE OF THIS PRODUCT THAT APPLY TO ALL CROPS LISTED IN THE FOLLOWING SECTIONS, SEE THE INDIVIDUAL CROP SECTIONS FOR SPECIFIC USE INSTRUCTIONS, PREHARVEST INTERVALS. AND ADDITIONAL PRECAUTIONS AND RESTRICTIONS.

See the "ROUNDUP READY CROPS" section of this label or separately published supplemental labeling for this product for directions for use in Roundup Ready

TYPES OF APPLICATION: Chemical Fallow: Preplant Fallow Beds: Preplant At-Planting: Preemergence: Hooded Sprayer in Row Middles: Shielded Sprayer in Row Middles: Wiper Applicator in Row Middles: Post-Harvest USE INSTRUCTIONS: This product may be applied during fallow intervals

preceding planting, prior to planting or transplanting, at-planting, or

preemergence to annual and perennial crops listed on this label, except where specifically limited. For any crop not listed on this label, application must be made a minimum of 30 days prior to planting. Unless otherwise directed. apply this product according to the rates listed in the "ANNUAL WEEDS RATE SECTION." "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label. Application rates specified on this label for hard-to-control weeds, or those specified on separate supplemental labeling for this product, supersede the rates in the "ANNUAL WEEDS RATE SECTION," "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label. Additional information on hard-to-control weeds can be found on Fact Sheets published for this product.

Application of this product may be repeated as needed up to a maximum of 5.3 quarts per acre per year. Refer to specific use sections of this label for additional information on minimum intervals required before re-application of this product.

Hooded sprayers and wiper applicators capable of preventing all contact of the herbicide solution with the crop may be used in mulched or unmulched row middles after crop establishment. Wiper applicators may be used over the top of crops to control tall weeds only when specifically directed in the individual crop sections that follow. Crop injury is possible with these methods of application. Refer to the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for information regarding the potential for crop injury using selective application equipment.

Spot treatment application of this product for weed control in a cropping system may be made only when specifically directed in the individual crop sections that follow.

Unless otherwise prohibited, all applications of this product described in the sections that follow may be made using aerial application equipment where

Do not add surfactant to the herbicide solution when using a wiper applicator.

appropriate, provided that the applicator complies with the precautions and restrictions specified on this label and on all supplemental labeling published for

this product. Refer to the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for information on aerial application and procedures for avoiding spray drift that could cause injury to any vegetation not intended for application. Use of appropriate buffers will help prevent injury to adjacent vegetation.

TANK MIXTURES: This product may be tank-mixed with other herbicides to provide residual weed control, a broader weed control spectrum or an alternate mechanism of action. Always read and follow label directions for all products in the tank mixture. Use all products according to rates and timing specified on the label. Some tank-mix products have the potential to cause crop injury. Read the label of all products in the tank mixture prior to use to determine the potential for crop injury. Always predetermine the compatibility of tank-mix products together in the carrier by mixing small proportional quantities in advance. Mixing other products with this herbicide in the spray tank can cause incompatibility. antagonism, or a reduction in the efficacy of this product. Bayer CropScience LP has not tested all product formulations for compatibility or performance in a tank-mix with this product. To the extent consistent with applicable law, buyer

and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not specifically identified on this label or on separate supplemental labeling or Fact Sheets for this product. See the "MIXING" section of this label for more information on tank mixtures. PRECAUTIONS: Avoid contact of this herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops, as severe crop injury or destruction could result. Transplant

seedlings coming into contact with weeds that are still wet with a spray solution of this product could result in significant crop injury. When making breemergence applications, application must be made before crop emergence to avoid severe crop injury. Broadcast application of this product at emergence will result in injury or death of emerged seedlings. Apply before seed germination in

treatment is allowed, the crop sprayed with this product will be killed along with the weeds. Take care not to spray or allow spray to drift outside the target area in order to avoid unwanted crop destruction. See the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for additional information. Preharvest application on crops grown for seed could result in a reduction in germination or vigor. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on any crop grown for seed. RESTRICTIONS: Observe the maximum application rates stated throughout this

coarse sandy soils to further minimize the risk of crop injury. In crops where spot

abel. Maximum application rates apply to the use of this product combined with the use of any and all other herbicides containing glyphosate as the active ingredient, whether applied separately or as mixtures. Calculate the application rates (glyphosate acid equivalents) and ensure that the total use of this and other glyphosate-containing products does not exceed the stated maximum rate. Maximum Application Rates.

See the "PRODUCT INFORMATION" section of this label for more information on Unless otherwise directed on this label, application using selective equipment, including wiper applicators and hooded sprayers, must be made a minimum of 14 days prior to harvest. In crops where spot treatment is allowed, do not apply this product to more than 10 percent of the total field to be harvested, unless otherwise directed. Post-harvest and fallow applications must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

Do not harvest or feed vegetation from an area for 8 weeks following broadcast postemergence application, unless otherwise directed.

When applying this product as a tank mixture with one or more products, refer to each individual tank-mix product label for restrictions and apply the mixture in accordance with the most restrictive statements for each product in the tank.

# Cereal and Grain Crops

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

TYPES OF APPLICATION: Those listed in Section 9.0, plus Red Rice Control Prior to Planting Rice; Spot Treatment (except rice); Control of Barnyardgrass in Rice Using Renovation Treatment (California only); Wiper Applicator (feed barley and wheat only); Preharvest (feed barley and wheat only)

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after the

planting of cereal crops, but prior to crop emergence. Red Rice Control Prior to Planting Rice

USE INSTRUCTIONS: Flush fields prior to application to obtain uniform germination and stand of red rice and then apply 32 fluid ounces of this product in 5 to 10 gallons of water per acre when the majority of the red rice plants are at the 2-leaf stage and no more than 4 inches tall. Red rice plants

with less than 2 true leaves might only be partially controlled. Avoid spraying during conditions of low humidity, as reduced control of red rice could result. RESTRICTIONS: Do not apply this product to rice fields or levees when fields contain floodwater. Do not flood fields for a minimum of 8 days following application.

#### Spot Treatment (Except Rice)

USE INSTRUCTIONS: This product may be applied as a spot treatment in cereal crops, except rice. Apply before heading in small grains. RESTRICTIONS: Do not apply this product to more than 10 percent of the total field area to be harvested.

## Control of Barnvardgrass in Rice Using Renovation Treatment (California Only) THIS APPLICATION FOR USE IN CALIFORNIA ONLY

USE INSTRUCTIONS: This product may be applied as a renovation treatment in rice crops to control barnyardgrass (Echinochola crus-galli) infestations using ground broadcast application equipment or a handheld sprayer. Renovation is defined as an herbicide application that will result in crop and weed destruction in an entire field or contiguous area within a field. RESTRICTIONS: Rice straw and stubble from the application area, including a 25-foot buffer zone on all sides, may not be used for animal bedding,

grazing, or any other feed purpose. DO NOT make this application using aerial

#### application equipment. Wiper Applicator (Feed Barley and Wheat Only)

USE INSTRUCTIONS: This product may be applied over the top of feed barley and wheat using a wiper applicator to control tall weeds. To control common rve or cereal rve, apply after weeds have headed and achieved maximum growth. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Allow a minimum of 35 days between application and harvest. Do not use roller applicator.

#### Preharvest (Feed Barley and Wheat Only)

USE INSTRUCTIONS: This product provides weed control when applied prior to harvest of feed barley or wheat. For feed barley, apply after the hard-dough stage when grain moisture is 20 percent or less. For wheat, apply after the hard-dough stage when grain moisture is 30 percent or less. Stubble may be grazed immediately after harvest. Apply this product in 10 to 20 gallons of water per acre when using ground

application equipment and in 3 to 10 gallons of water per acre when using aerial application equipment. RESTRICTIONS: Do not apply more than 22 fluid ounces of this product

per acre for preharvest application. Allow a minimum of 7 days between application and harvest or grazing.

USE INSTRUCTIONS: This product may be applied for weed control after harvest of cereal crops. Higher rates might be needed to control large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for weed control following harvest of cereal crops. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

## Corn

TYPES OF CORN: Field corn: Popcorn: Seed corn: Silage corn: Sweet corn

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment Preharvest For directions for use with field corn hybrids with Roundup Ready 2 Technology

(including Roundup Ready Corn 2 and field corn products displaying the Roundup

Ready 2 Technology logo), or with sweet corn hybrids with Roundup Ready 2

Technology (including Roundup Ready Sweet Corn and sweet corn products displaying the Roundup Ready 2 Technology logo), see the "ROUNDUP READY CROPS" section of this label.

# Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank-mix before, during or after planting corn, but prior to crop emergence. TANK MIXTURES: This product may be tank-mixed with the following products: Ensure that the product used is labeled for application prior to the planting

or the emergence of the type of corn crop being grown. Read and follow label directions for all products in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre. 2,4-D; acetochlor; atrazine; bicyclopyrone; carfentrazone-ethyl; clopyralid; dicamba; diflufenzopyr; dimethenamid; dimethenamid-p; flufenacet: flumetsulam: flumiclorac pentyl ester: isoxaflutole: linuron: mesotrione; metolachlor; s-metolachlor; metribuzin; pendimethalin;

rimsulfuron: saflufenacil: simazine: thiencarbazone-methyl AAtrex 41: AAtrex Nine-O: Acuron: Acuron Flexi: Aim EC: Aim EW: Atrazine 4L: Atrazine 90 DF: Axiom DF: Balance Flexx: Banvel: Banvel 480: Bicep II MAGNUM; Bicep II MAGNUM FC; Bicep Lite II MAGNUM; Callisto; Cinch; Cinch ATZ: Cinch ATZ Lite; Clarity; Corvus; Degree Xtra; Distinct; Dual

MAGNUM: Dual II MAGNUM: FulTime: FulTime NXT: Guardsman MAX:

Harness; Harness Xtra; Harness Xtra 5.6L; Hornet WDG Broadleaf Blend; Keystone: Keystone LA: Keystone LA NXT: Keystone NXT: Leadoff: Linex 4L; Lorox DF; Marksman; Me-Too-Lachlor II; Outlook; Prowl 3.3 EC; Prowl H2O; Python WDG; Resicore; Resolve DF; Resolve Q; Resolve SG; Resource: Shark EW: Shark H20: Sharpen Powered by Kixor: Simazine 4L Flowable; Simazine 90 DF; Simazine 90 WDG; Stalwart; Stalwart C; Stalwart Xtra: Stinger: Surpass EC: Surpass NXT: TopNotch: TripleFLEX II For hard-to-control annual weeds, such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply 22 fluid ounces of this product per acre in these tank mixtures. For other annual weeds listed on this label, apply 16 to 22 fluid ounces of this product per acre when weeds are

rates might be needed for acceptable weed control. RESTRICTIONS: Application of 2.4-D or dicamba must be made a minimum of 7 days prior to planting corn. In Southern states, do not mix this product in nitrogen solutions for application

less than 6 inches tall and 22 to 32 fluid ounces per acre when weeds are over

6 inches tall. When using a nitrogen solution as the carrier, higher application

to hard-to-control grasses, such as barnvardgrass, fall panicum, broadleaf signalgrass, annual ryegrass and any perennial weeds. This area includes Illinois and Indiana south of Route 50, Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, New Jersey, North Carolina. Oklahoma, South Carolina, Tennessee, Texas, Virginia and West Virginia.

## **Hooded Sprayer**

USE INSTRUCTIONS: This product may be applied using a hooded sprayer for weed control in between rows of corn. Only hooded sprayers that completely enclose the spray pattern may be used. See additional instructions on 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. Do not apply more than 22 fluid ounces of this product per

acre for each hooded sprayer application and no more than 64 fluid ounces per acre per year total.

## Spot Treatment

USE INSTRUCTIONS: This product may be applied as a spot treatment prior to silking of corn. RESTRICTIONS: Do not apply this product to more than 10 percent of the total

field area to be harvested.

#### Preharvest

USE INSTRUCTIONS: Up to 64 fluid ounces of this product per acre may be applied using ground application equipment, or up to 44 fluid ounces per acre using aerial application equipment, when kernel-fill is complete and the corn is physiologically mature (black layer formed) and grain moisture is 35 percent or less.

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

USE INSTRUCTIONS: This product may be applied for weed control after harvest of corn. Higher rates might be needed to control large weeds that were growing in the field at the time of harvest. Tank mixtures with 2.4-D or dicamba may be used. Ensure that the product used is labeled for post-harvest application in corn. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or feeding of vegetation within the application area. Application of this product must be made a minimum of 30 days prior to planting any crop not listed on this label.

## Cotton

TYPES OF APPLICATION: Those listed in Section 9.0, plus Selective Equipment; Spot Treatment: Preharvest

For directions for use with Roundup Ready cotton and Roundup Ready Flex cotton, see the "ROUNDUP READY CROPS" section of this label.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting cotton, but prior to crop emergence.

TANK MIXTURES: This product may be tank-mixed with 2,4-D or Clarity and applied prior to planting only. This product may also be tank-mixed with the following products and applied prior to crop emergence. Ensure that the broduct used is labeled for application prior to planting or the emergence of cotton. Read and follow label directions for all products used in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water per acre.

acetochlor; clomazone; diuron; flumioxazin; fluometuron; fomesafen; metolachlor: s-metolachlor: norflurazon: pendimethalin: prometyrn: pyrithiobac-sodium, saflufenacil

Caparol 4L; Command 3ME; Cotoran 4L; Cotton Pro; Dawn; Direx 4L; Dual MAGNUM: Dual II MAGNUM: Karmex DF: Prowl 3.3 EC: Prowl H20: Reflex; Rowel; Sharpen Powered by Kixor; Stalwart; Staple LX; Valor SX; Warrant: Warrant Ultra

#### Selective Equipment

USE INSTRUCTIONS: This product may be applied using a hooded or shielded sprayer, or over the top of cotton using a wiper applicator to control tall weeds. See additional instructions on the use of this selective equipment in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest. Spot Treatment

USE INSTRUCTIONS: This product may be applied in cotton as a spot treatment prior to boll opening.

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

USE INSTRUCTIONS: This product provides weed control and cotton re-growth inhibition when applied prior to harvest. For weed control, apply at rates given in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label. For cotton re-growth inhibition, apply 16 to 44 fluid ounces of this product per acre. Make preharvest application only after sufficient bolls have developed to produce the desired yield. Application made prior to this time could affect maximum yield potential.

TANK MIXTURES: This product may be tank-mixed with DEF 6, Dropp, Folex, Ginstar, or Prep to enhance cotton leaf-drop. Read and follow label directions for all products used in the tank mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest, DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR PREHARVEST APPLICATION TO COTTON.

#### Fallow Systems

This product may be applied during the fallow period prior to planting or emergence of any crop listed on this label. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label. TYPES OF APPLICATION: Chemical Fallow: Preplant Fallow Beds: Aid-to-Tillage

### Chemical Fallow

USE INSTRUCTIONS: This product may be used as a substitute for tillage to control annual weeds in fallow fields. Broadcast or spot treatment application will also control or suppress many perennial weeds in fallow fields. Tank-mix this product with 2,4-D or dicamba for a broader weed control spectrum. Aerial application of up to 44 fluid ounces of this product per acre may be made onto fallow fields where there is sufficient buffer to prevent injury due to drift onto adjacent crops.

PRECAUTIONS: Some crop injury could occur if dicamba is applied within

#### 45 days of planting. Preplant Fallow Beds

USE INSTRUCTIONS: This product will control weeds listed in the "ANNUAL WEEDS RATE SECTION," "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label prior to planting.

TANK MIXTURES: Apply 8 fluid ounces of this product per acre in a tank-mix with an appropriate rate of Goal 2XL to control the following weeds up to the maximum height or length indicated: 3 inches-common cheeseweed, chickweed, groundsel; 6 inches-London rocket, shepherd's-purse.

Apply 11 fluid ounces of this product per acre in a tank-mix with an appropriate rate of Goal 2XL to control the following weeds up to the maximum height or length indicated: 6 inches-common cheeseweed, groundsel, marestail (Convza 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 prior to the planting of crops listed on this label (preplant), to control downy brome, cheat, volunteer wheat, tansy mustard and foxtail. Apply 8 fluid ounces of this product in 3 to 10 gallons of water per acre before weeds are 6 inches in height. Application must be followed by conventional tillage no later than 15 days after application and before re-growth occurs. Allow a minimum of 1 day after application before tillage. PRECAUTIONS: Tank mixtures with residual herbicides could result in reduced

## Grain Sorghum (Milo)

performance of this product.

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment; Wiper Applicator: Preharvest

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting grain sorghum, but prior to crop emergence.

TANK MIXTURES: This product may be tank-mixed with the following products. Ensure that the product used is labeled for application prior to planting or emergence of grain sorghum. Read and follow label directions for all products used in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre.

acetochlor: atrazine: metolachlor: s-metolachlor: saflufenacil

Bicep II MAGNUM: Bicep II MAGNUM FC: Bicep Lite II MAGNUM: Degree Xtra; Dual MAGNUM; Dual II MAGNUM; Sharpen Powered by Kixor; Warrant

For hard-to-control annual weeds, such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply 22 fluid ounces of this product per acre in a tank mixture with one or more of the products listed here.

For control of other annual weeds listed on this label, apply 16 to 22 fluid ounces of this product per acre when weeds are less than 6 inches tall, and 22 to 32 fluid ounces per acre when weeds are over 6 inches tall. When using a nitrogen solution as the carrier, the application rate might need to be increased to achieve acceptable weed control.

#### Spot Treatment, Wiper Applicator

USE INSTRUCTIONS: This product may be applied as a spot treatment in grain sorghum before heading. This product may also be applied over the top of grain sorghum using a wiper applicator to control or suppress tall weeds. See additional instructions on the use of wiper applicators in the "APPLICATION"

EQUIPMENT AND TECHNIQUES" section of this label. RESTRICTIONS: For spot treatment, do not apply this product to more than

10 percent of the total field area to be harvested. When applied using a wiper applicator, allow a minimum of 40 days between application and harvest. Do not use a roller applicator. Do not feed or graze grain sorghum fodder or ensile vegetation within the application area. Hooded Sprayer

grain sorghum sends tillers between the drill rows. If tillers are sprayed with

USE INSTRUCTIONS: This product may be applied using a hooded sprayer for weed control in between rows of grain sorghum. Make application before

this herbicide, the main plant could be damaged or destroyed. Contact of this product in any manner with any vegetation to which application is not intended could cause damage. Only booded sprayers that completely enclose the spray pattern may be used. See additional instructions on the use of hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label. RESTRICTIONS: Grain sorghum must be at least 12 inches tall, measured without extending leaves. Do not graze or feed grain sorghum forage or fodder following application of this product using a hooded sprayer. Do not apply more than 22 fluid ounces of this product per acre per hooded sprayer application and no more than 64 fluid ounces per acre per year total.

Preharvest USE INSTRUCTIONS: Up to 44 fluid ounces of this product per acre may be applied after sorghum grain has reached 30 percent moisture or less. As with other herbicides that cause sudden plant death, avoid preharvest application of this product on grain sorghum (milo) infected with charcoal rot as lodging can occur. RESTRICTIONS: Allow a minimum of 7 days between application and harvest of grain sorghum. Preharvest application of this product on grain sorghum (milo) is not registered for use in California.

USE INSTRUCTIONS: This product may be applied for weed control after harvest of grain sorghum. Higher application rates might be needed to control large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for post-harvest application in grain sorghum (milo). Read and follow label directions for all products in the tank mixture.

This product may be applied to grain sorghum stubble following harvest to control or suppress re-growth. Apply 22 fluid ounces of this product per acre for control or 16 fluid ounces per acre for suppression.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label

LABELED CROPS: Allspice; Angelica; Star anise; Annatto (seed); Balm; Basil;

## **Herbs and Spices**

spearmint only)

Borage; Burnet; Camomile; Caper buds; Caraway; Black caraway; Cardamom; 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: Grains of paradise: Horehound: Hyssop; Juniper berry; Lavender; Lemongrass; Lovage (leaf and seed); Mace. Marigold: Marioram (including oregano): Mexican oregano: Mioga flowers 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 APPLICATION: Those listed in Section 9.0, plus Spot Treatment (peppermint and spearmint only); Wiper Applicator (peppermint and

PRECAUTIONS: This product could cause crop injury when applied prior to transplanting or direct-seeding crops into plastic mulch. Remove residual product from the plastic prior to planting with a single 0.5-inch application of water, either by natural rainfall or by irrigation. Ensure that the wash water flushes off the plastic mulch and does not enter the transplant holes. Application made at crop emergence will result in injury or death of emerged

Spot Treatment, Wiper Applicator (Peppermint and Spearmint Only)

USE INSTRUCTIONS: This product may be applied as a spot treatment in peppermint and spearmint or over the top of peppermint and spearmint with a wiper applicator to control tall weeds. Application may be repeated on the same area at 30-day intervals. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest. For spot treatment application, do not apply this product to more than 10 percent of the total field area to be harvested.

## Oilseed Crops

LABELED CROPS: Borage; Buffalo gourd; Calendula; Canola; Castor oil plant; Chinese tallowtree: Crambe: Cuphea: Echium: Euphorbia: Evening primrose: Flax: Gold of pleasure: Hare's ear mustard: Joioba: Lesquerella: Meadowfoam: Milkweed; Mustard; Niger seed; Oil radish; Poppy; Rape; Rose hip; Safflower; Sesame: Stokes aster: Sunflower: Sweet rocket: Tallowwood: Tea oil plant: Vernonia For directions for use with Roundup Ready canola and TruFlex™ Roundup Ready® canola, see the "ROUNDUP READY CROPS" section of this label.

TYPES OF APPLICATION: Those listed in Section 9.0, plus Preharvest (except

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product for use in safflower, sunflower and all other oilseed crops listed in this section, if a preharvest application is to be made. If a preharvest application is NOT to be made, the maximum application rate of this product for all preemergence, selective equipment and post-harvest applications in any oilseed crop listed in this section is limited only by the maximum of 5.3 quarts per acre per year. If a preharvest application is intended to be made to any crop listed in this section, except buffalo gourd, the maximum combined total of all preemergence and selective equipment applications is limited as indicated in the following table. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

Maximum Application Rates if a Preharvest Application is Made				
Safflower				
Combined total for all Preemergence and Selective Equipment applications	64 fluid ounces per acre			
Preharvest application	64 fluid ounces per acre			
Sunflower				
Combined total for all Preemergence and Selective Equipment applications	22 fluid ounces per acre			
Preharvest application	22 fluid ounces per acre			
All Other Oilseed Crops Listed (Except Buffalo Gourd)				
Combined total for all Preemergence and Selective Equipment applications	44 fluid ounces per acre			
Preharvest application	32 fluid ounces per acre			
RESTRICTIONS: Do not exceed a total application rate of 5.3 quarts of this				

product per acre per year. Preharvest application is not permitted on buffalo

### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting pilseed crops listed in this section, but must be applied prior to crop emergence. Observe the maximum application rates listed at the beginning of this section.

TANK MIXTURES: For sunflower, a tank mixture with pendimethalin may be applied before, during or after planting into conventionally tilled soil, a cover crop, established sod or previous crop residue.

RESTRICTIONS: See the use instructions at the beginning of this section for important information on maximum application rates for preemergence and selective equipment applications of this product.

#### Selective Equipment

USE INSTRUCTIONS: This product may be applied using a wiper applicator or shielded sprayer between crop rows once the crop is established. Observe the maximum application rates listed at the beginning of this section. See

additional instructions on the use of wiper applicators and hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

## Preharvest (Except Buffalo Gourd)

USE INSTRUCTIONS: This product provides weed control and serves as a harvest aid when applied to a physiologically mature oilseed crop listed in this section. For safflower, up to 64 fluid ounces of this product may be applied per acre when seed has lost its opaque character, approximately 20 to 30 days after the end of flowering of the secondary branches. For sunflower, up to 22 fluid ounces of this product per acre may be applied when the backsides of sunflower heads are yellow and bracts are turning brown and seed moisture content is less than 35 percent. For all other oilseed crops listed in this section (except buffalo gourd), up to 32 fluid ounces of this product per acre may be applied prior to harvest

RESTRICTIONS: DO NOT MAKE A PREHARVEST APPLICATION if you have exceeded the maximum application rates for the combined total of all preemergence and selective equipment applications listed in the table at the beginning of this section. Make only 1 preharvest application of this product and allow a minimum of 7 days between application and harvest or feeding to livestock. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label. Preharvest application is not allowed on buffalo gourd or on Roundup Ready® or TruFlex™ Roundup Ready® canola.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of oilseed crops. Higher application rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2.4-D or dicamba may be used. Ensure that the product used is labeled for post-harvest application in the crop harvested. Read and follow label directions. for all products in the tank mixture.

RESTRICTIONS: Do not exceed a total application rate of 5.3 quarts of this product per acre per year. Allow a minimum of 7 days between application of this product and harvest or feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

#### Sovbean

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment: Selective Equipment; Preharvest

For directions for use with Roundup Ready soybean and Roundup Ready 2 Yield soybean, see the "ROUNDUP READY CROPS" section of this label.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting soybean, but prior to crop emergence.

TANK MIXTURES: This product may be tank-mixed with 2.4-D. Banvel or Clarity and applied prior to planting only. This product may also be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to planting or the emergence of soybean. Read and follow label directions for all products in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water per acre.

acetochlor; carfentrazone-ethyl; chlorimuron ethyl; clethodim; clomazone; cloransulam-methyl; dimethenamid; dimethenamid-p; fenoxaprop-p-ethyl; fluazifop-p-butyl; flufenacet; flumetsulam; flumiclorac pentyl ester; flumioxazin: fluthiacet-methyl: fomesafen: imazaguin: imazethapyr: lactofen; linuron; metolachlor; s-metolachlor; metribuzin; pendimethalin; pyroxasulfone; quizalofop-P-ethyl; saflufenacil; sulfentrazone; tribenuron methyl: trifluralin

Aim EC; Aim EW; Assure II; Authority Assist; Authority Elite; Authority First DF: Authority MAXX: Authority MTZ DF: Authority XL: Axiom DF: Blanket 4F; Boundary 6.5 EC; Cadet, Canopy; Canopy Blend; Canopy EX; Classic: Cobra: Command 3ME: Dawn: Dual MAGNUM: Dual II MAGNUM: Fierce; Fierce XLT; FirstRate; Flexstar; Fusion; Linex 4L; Lorox DF; Me-Too-Lachlor: Optill Powered by Kixor; Outlook; Phoenix; Prowl 3.3 EC; Prowl H20: Pursuit: Python WDG: Reflex: Resource: Rhythm: Rowel: Rowel FX; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor: Spartan 4F: Treflan 4L: Treflan 4 EC: TriCor 4F: TriCor DF: Valor SX: Valor XLT: Warrant: Warrant Ultra: Zidua

For hard-to-control annual weeds, such as fall panicum, barnvardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply 22 fluid ounces of this product per acre in a tank mixture with one of the products listed. For other annual weeds listed on this label, apply 16 to 22 fluid ounces of this product per acre when weeds are less than 6 inches tall and 22 to 32 fluid ounces when weeds are over 6 inches tall.

#### Spot Treatment

USE INSTRUCTIONS: This product may be applied as a spot treatment prior to initial pod set in sovbean.

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

#### Selective Equipment

USE INSTRUCTIONS: This product may be applied in soybean using a shielded sprayer, hooded sprayer, wiper applicator or sponge bar. See additional instructions on the use of selective equipment in the "APPLICATION" EQUIPMENT AND TECHNIQUES" section of this label. RESTRICTIONS: Allow a minimum of 7 days between application and harvest

#### Preharvest

USE INSTRUCTIONS: This product may be applied to soybean prior to harvest after pods have set and lost all green color. Apply at rates given in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label. Take care to avoid excessive seed shatter loss due to ground application equipment.

RESTRICTIONS: Do not apply more than 3.3 quarts of this product per acre for preharvest application using ground application equipment or more than 44 fluid ounces per acre using aerial application equipment. Allow a minimum of 7 days between application and harvest of soybean. If the preharvest application rate is greater than 22 fluid ounces per acre, do not graze or harvest hav or fodder within the application area for livestock feed within 25 days of application. If the application rate is 22 fluid ounces per acre of less, the grazing restriction is reduced to 14 days after application.

#### Sugarcane 9.9

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment

#### Preplant, At-Planting, Preemergence

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, apply a 1-percent solution of this product in water using a handheld sprayer and a spray-to-wet technique. Enhanced results can be obtained on volunteer of diseased sugarcane when application is made when there are at least 7 new leaves. Avoid contact of this herbicide with healthy sugarcane plants as severe damage or destruction could result.

RESTRICTIONS: Do not feed or graze sugarcane foliage within the application

#### Hooded Sprayer

USE INSTRUCTIONS: This product may be applied using a hooded sprayer for weed control in between rows of sugarcane. See additional instructions on the use of hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Do not allow weeds within the application area to come into contact with the crop.

#### **Fallow Treatment**

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 ration cane by applying 2.5 to 3.3 quarts of this product in 10 to 40 gallons of water per acre to new growth having at least 7 new leaves. Allow a minimum of 7 days after application before tillage. Aerial application of up to 64 fluid ounces per acre may be made onto fallow

sites where there is sufficient buffer to prevent drift onto adjacent crops. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is abeled for this application in sugarcane. Read and follow label directions for all products in the tank mixture.

#### 9.9.1 Sugarcane Ripening

USE INSTRUCTIONS: This product may be used as a foliar-applied plant growth regulator to hasten ripening and extend the period of high sucrose level in both low- and high-tonnage sugarcane. Most of the sucrose increase is concentrated in the top nodes of the cane stalk. To maximize sugar recovery where topping is practiced at harvest, top at the base of the fourth leaf. Consult your state sugarcane authority or local Bayer CropScience LP representative regarding the degree of sucrose response that can be anticipated prior to application of this product.

As a result of leaf desiccation, improved trash burn can be expected.

Apply this product at the following rates and timing according to the State in which the sugarcane is grown. Use the higher application rate within the given range when applying to sugarcane under adverse ripening conditions or to less responsive varieties.

FLORIDA - Apply 5 to 12 fluid ounces of this product per acre 3 to 5 weeks before harvest of LAST RATOON CANE ONLY.

HAWAII - Apply 9 to 21 fluid ounces of this product per acre 4 to 10 weeks before harvest.

LOUISIANA - Apply 4 to 12 fluid ounces of this product per acre 3 to 7 weeks before harvest of RATOON CANE ONLY.

PUERTO RICO - Apply 5 fluid ounces of this product per acre 3 to 5 weeks before harvest of RATOON CANE ONLY.

TEXAS — Apply 5 to 12 fluid ounces of this product per acre 3 to 5 weeks before harvest of RATOON CANE ONLY

PRECAUTIONS: Application of this product could initiate development of shooting eyes. This product might not increase the sucrose content of sugarcane under conditions of good natural ripening. Within 2 to 3 weeks after application, this product could produce a slight yellowing to a pronounced browning and drying of leaves, and a shortening of upper internodes. Spindle death could occur.

Rainfall within 6 hours after application could reduce the effectiveness of this product.

Application to sugarcane grown for seed could result in a reduction in germination or vigor. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on sugarcane grown for seed.

RESTRICTIONS: Do not feed or graze sugarcane forage following application. Do not plant subsequent crops within 30 days after application of this product other than the following: alfalfa or other forage legumes, beans (all types). corn (all types), cotton, melons (all types), pasture grasses, peanuts, potatoes (Irish or sweet), sorghum (milo), soybean, squash (all types) or wheat.

Do not apply for enhanced ripening to any crops other than sugarcane. Use of this product in any manner not consistent with this label could result in injury to persons, animals or crops, or have other unintended consequences.

## Vegetable Crops

THIS SECTION PROVIDES DIRECTIONS FOR USE THAT APPLY TO ALL VEGETABLE CROPS LISTED IN THE FOLLOWING SECTIONS. SEE THE INDIVIDUAL CROP SECTIONS FOR SPECIFIC DIRECTIONS FOR USE. PREHARVEST INTERVALS, PRECAUTIONS AND RESTRICTIONS.

TYPES OF APPLICATION: Chemical Fallow; Preplant Fallow Beds; Preplant; At-Planting; Preemergence; Prior to Transplanting Vegetables; Hooded Sprayer in Row Middles: Shielded Sprayer in Row Middles: Wiper Applicator in Row Middles; Directed Application (non-bearing ginseng only); Wiper Applicator (carrot, rutabaga, sweet potato only); Post-Harvest

PRECAUTIONS: This product could cause crop injury when applied prior to transplanting or direct-seeding crops into plastic mulch. Remove residual product from the plastic with a single 0.5-inch application of water, either by natural rainfall or irrigation, prior to planting. Ensure that the wash water flushes off the plastic mulch and does not enter the transplant holes.

Application of this product at crop emergence will result in injury or death to emerged seedlings.

Avoid contact of this herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from the plastic mulch) or fruit of crops as severe crop injury or destruction could result. Transplanted seedlings coming into contact with freshly sprayed weeds could result in significant crop injury.

Preemergence application must be made before crop emerges from the soil to avoid severe crop injury. Apply before seed germination in coarse sandy soils to further minimize the risk of crop injury. In crops with vines, make hooded sprayer, shielded sprayer and wiper applications in row middles prior to vine development, otherwise severe crop injury or destruction could result.

RESTRICTIONS: Unless otherwise directed, application using selective equipment, including wiper applicators and hooded sprayers, must be made a minimum of 14 days prior to harvest. Post-harvest and fallow applications must be made a minimum of 30 days prior to the planting of any crop not listed on this label. See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

## 9.10.1 Brassica Vegetables

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

## Q.10.2 Bulb Vegetables

LABELED CROPS: All cultivars, varieties and/or hybrids of Chive (including Chinese); Daylily; Elegans hosta; Fritillaria; Garlic (including great-headed, serpent): Kurrat: Leek (including lady's, wild): Onion (including Beltsville bunching, bulb, Chinese, fresh, green, macrostem, pearl, potato, tree, Welsh); Shallot

#### **9**.10.3 Cucurbit Vegetables and Fruits

LABELED CROPS: Chayote (fruit); Chinese waxgourd (Chinese preserving melon): Citron melon: Cucumber: Gherkin: Edible gourd (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 cantalogue, 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 a minimum of 3 days between application and planting.

## Q.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, upland); Dandelion; Dock (sorrel); Dokudami; Endive (escarole); Florence fennel; Gow kee; Lettuce (head, leaf); Orach, Parsley; Purslane (garden, winter); Radicchio (red chicory); Rhubarb; Spinach; New Zealand spinach; Vine spinach; Swiss chard; Watercress (upland); Water spinach

RESTRICTIONS: For watercress, allow a minimum of 3 days between application and seeding. Do not apply this product during the period between seeding and emergence.

## 9.10.5 Fruiting Vegetables

LABELED CROPS: All cultivars, varieties and/or hybrids of Eggplant (including African, pea, scarlet); Cocona; Garden huckleberry; Goji berry; Groundcherry (Physalis spp.); Martinynia; Naranjilla; Okra; Pepino; Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); Roselle; Sunberry; Tomatillo; Tomato

RESTRICTIONS: Allow a minimum of 3 days between application and planting. For tomato and tomatillo, do not apply this product using a hooded or shielded sprayer in row middles because of the potential for crop injury.

## Legume Vegetables (Succulent or Dried) LABELED CROPS: Bean (Lupinus: includes grain lupin, sweet lupin, white

lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean); Bean (Vigna: includes adzuki bean, asparagus bean, blackeyed peal catiang, Chinese longbean, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, vardlong 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 TYPES OF APPLICATION: Those listed in Section 9.0. plus Spot Treatment

lupin, white sweet lupin): Bean (Phaseolus: includes field bean, kidney bean)

(dry varieties only); Preharvest (dry varieties only)

#### Spot Treatment (Dry Varieties Only)

USE INSTRUCTIONS: This product may be applied as a spot treatment to control troublesome weeds such as Canada thistle, quackgrass, mayweed (dog fennel) and milkweed in any dry legume variety listed in this section, except cowpeas and field (feed) peas. Apply up to 22 fluid ounces of this product per acre in dry beans, or up to 64 fluid ounces per acre in dry peas. lentils and chickpeas, in 10 to 20 gallons of water using ground application equipment, or apply a 2-percent solution in a handheld sprayer. For enhanced results, apply at or beyond the bud stage of growth.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest Only one spot treatment application may be made per year. Do not combine spot treatment with a preharvest broadcast application on the same crop area. Allow a minimum of 30 days between application and the planting of any crop not listed on this label. Do not feed vines and hav from the application area to livestock. Do not apply this product as a spot treatment in cowpeas or field (feed) peas, since these are considered to be grown only as livestock feed.

## Preharvest (Dry Varieties Only)

USE INSTRUCTIONS: This product may be applied over the top of any dry legume variety listed in this section prior to harvest, except cowpeas or field (feed) peas. Apply up to 22 fluid ounces of this product per acre in dry beans. or up to 64 fluid ounces per acre in dry peas, lentils and chickpeas, in 3 to 20 gallons of water per acre at the hard dough stage of the legume seed (30 percent grain moisture or less).

RESTRICTIONS: Allow a minimum of 7 days between application and harvest Only one preharvest application may be made per year. Do not combine a preharvest application with a spot treatment application on the same crop area. Allow a minimum of 30 days between application and the planting of any crop not listed on this label. Do not feed vines and hay from the application area to livestock. Do not make a preharvest application of this product in cowpeas or field (feed) peas, since these are considered to be grown only as livestock feed.

## **Q.10.7** Root and Tuber Vegetables

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

TYPES OF APPLICATION: Those listed in Section 9.0, plus Directed Application (non-bearing ginseng only); Wiper applicator (carrot, rutabaga, sweet potato only);

#### Directed Application in Ginseng (Non-Bearing Only)

USE INSTRUCTIONS: This product may be applied for weed control in established non-bearing ginseng using a boom sprayer, CDA, shielded sprayer, wiper applicator, handheld or backpack wand, lance, or orchard gun. See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Control the application so as to not allow any contact of this product with the ginseng plant. Droplets, mist, foam or splatter of the herbicide solution settling onto desirable vegetation could result in discoloration, stunting or destruction.

RESTRICTIONS: Application must be made a minimum of one year prior to

# Wiper Applicator (Carrot, Rutabaga and Sweet Potato Only)

USE INSTRUCTIONS: A 33-percent solution of this product by volume in water may be applied using a wiper applicator over the top of carrot, rutabaga and sweet notato for the control of tall weeds. See additional use instructions for wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES"

section of this label RESTRICTIONS: For carrot, a maximum of two wiper or sponge bar applications may be made a minimum of 60 days prior to harvest following the first application and 7 days prior to harvest following the second application or if only one wiper application is made over the top of the carrot crop. For rutabaga, allow a minimum of 14 days between application and harvest. For sweet potato, a maximum of five winer or sponge bar applications may be made with a minimum of 14 days between applications and a minimum of

#### 9.11 Miscellaneous Crops

7 days prior to harvest.

LABELED CROPS: Aloe vera; Asparagus; Bamboo shoots; Globe artichoke; Okra; Peanut; Pineapple; Sugarbeet

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment (asparagus)

For directions for use with Roundup Ready sugarbeet, see the "ROUNDUP READY CROPS" section of this label

PRECAUTIONS: Preemergence application must be made before the crop emerges from the soil to avoid severe crop injury. Apply before seed germination in coarse sandy soils to further minimize the risk of crop injury. In crops with vines, apply this product in row middles using a hooded sprayer, shielded sprayer or wiper applicator prior to vine development, otherwise severe crop injury or destruction could result.

#### Spot Weed Control, Site Preparation

USE INSTRUCTIONS: This product may be applied for spot weed control and site preparation prior to planting or transplanting crops listed in this section. PRECAUTIONS: This product could cause crop injury when applied prior to transplanting or direct-seeding crops into plastic mulch. Remove residues of this product from the plastic with a single 0.5-inch application of water, either by natural rainfall or irrigation, prior to planting. Ensure that the wash water

flushes off the plastic mulch and does not enter transplant holes. RESTRICTIONS: Allow a minimum of 21 days between residue removal and transplanting. Do not apply this product within 7 days prior to the emergence of the first asparagus spears. Do not feed or graze pineapple forage from within the application area.

# Spot Treatment (Asparagus)

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

RESTRICTIONS: Do not apply this product to more than 10 percent of the total field area to be harvested. Do not harvest asparagus within 5 days of a spot treatment application.

#### Post-Harvest in Asparagus

USE INSTRUCTIONS: This product may be applied for weed control after the last harvest of asparagus and all spears have been removed. If spears are allowed to re-grow, delay application until ferns have developed and make the application as a directed or shielded spray in order to avoid contact of this product with ferns, stems or spears. See additional use instructions in the APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Direct contact of this product with asparagus could result in serious crop injury.

# TREE, VINE AND SHRUB CROPS

THIS SECTION PROVIDES DIRECTIONS FOR LISE THAT APPLY TO ALL TREE VINE. AND SHRUB CROPS LISTED IN THE FOLLOWING SECTIONS. SEE THE INDIVIDUAL CROP SECTIONS FOR SPECIFIC DIRECTIONS FOR USE. PREHARVEST INTERVALS. PRECAUTIONS AND RESTRICTIONS. TYPES OF APPLICATION: Preplant (site preparation): Broadcast Spray:

Selective Equipment (shielded sprayer, wiper applicator), Directed Spray and Spot Treatment in Middles (between rows of trees, vines or bushes) and Strips (within rows of trees, vines or bushes): Site Weed Control: Perennial Grass Suppression: Cut Stump Application USE INSTRUCTIONS: Unless specifically prohibited in the individual crop

sections that follow, this product may be applied using a boom sprayer, controlled droplet applicator (CDA), shielded sprayer, wiper applicator, handheld or backpack sprayer, lance or orchard gun, in middles (between rows of trees, vines or bushes) and strips (within rows of trees, vines or bushes), for weed control or perennial grass suppression in established tree fruit and nut groves, orchards and vinevards. It may also be used for site preparation prior to planting or transplanting these crops.

Apply 11 fluid ounces to 3.3 quarts of this product per acre as directed in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label. Use a higher application rate within a given range when weeds are stressed, growing in dense populations or greater than 12 inches tall. Application may be repeated as needed up to a maximum of 7 quarts of this product per acre per year. See the "PRODUCT INFORMATION" section of this

label for more information on Maximum Application Rates.

PRECAUTIONS: Use extreme care to avoid contact of this herbicide solution. spray, drift or mist with foliage or green bark of trunk, branches, suckers, fruit or other parts of desirable trees, canes and vines. Avoid application when recent pruning wounds or other mechanical injury have occurred. Contact of this product with other than matured brown bark could result in serious crop damage or destruction. Only shielded or directed sprayers may be used in crops where the potential for crop contact is high, and then only where there is sufficient clearance. For application in strips (within rows of trees), only selective equipment (directed sprayer, hooded sprayer, shielded sprayer or wiper applicator) may be used in order to minimize the potential for overspray or drift of this product onto the crop. For berry crops, hooded sprayers must be fully enclosed including top, sides, front and back. Only wiper applicators or shielded sprayers capable of preventing all contact of this product with the crop may be used. See additional use instructions and precautions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label

RESTRICTIONS: Allow a minimum of 3 days between application of this product and transplanting.

#### Middles (between rows)

USE INSTRUCTIONS: This product will control or suppress annual and perennial weeds and ground covers growing between rows of tree, vine and shrub crops listed on this label. If weeds are under drought stress, irrigate prior to application. Reduced weed control could result if weeds have been recently moved at the time of application.

TANK MIXTURES: A tank mixture of this product with Goal 2XL may be applied for annual weed control between rows (middles) of a variety of tree, vine and shrub crops when weeds are stressed or growing in dense populations. Application of 11 to 22 fluid ounces of this product per acre plus an appropriate rate of Goal 2XL will control annual weeds with a maximum height or length of 6 inches, including crabgrass, common groundsel. junglerice, common lambsquarters, redroot pigweed, London rocket, common ryegrass, shepherd's-purse, annual sowthistle, filaree (suppression), horseweed/marestail, stinging nettle and common purslane (suppression). This tank-mix will also control common cheeseweed (malva) and hairy fleabane with a maximum height or length of 3 inches.

This product may also be applied to row middles in tank mixtures with the following products.

2.4-D: bromacil: clethodim: diuron: fluazifon-P-butyl: flumioxazin: glufosinate-ammonium: indaziflam: napropamide: norflurazon: orvzalin: oxyfluorfen; pendimethalin; penoxsulam; pyraflufen ethyl; rimsulfuron; saflufenacil; sethoxydim; simazine; thiazopyr

Alion: Chateau Herbicide SW: Devrinol 2-XT: Devrinol 50-DF: Devrinol 50-DF Ornamental: Devrinol DF-XT: Devrinol DF-XT Ornamental: Direx 4L: Dri-Clean: Fusilade II Turf & Ornamental: Fusilade DX: Goal 2XL: GoalTender: Karmex DF: Matrix FNV: Matrix SG: Orchard Master Broadleaf: Orchard Master CA: Pindar GT: Poast: Poast Plus: Prowl 3.3 EC: Prowl H20: Princep 4L: Princep Caliber 90: Princep Liquid: Rely 280: Select: Select 2 EC: Select Max Herbicide with Inside Technology: Simazine 41: Simazine 4L Flowable: Simazine 90DF: Simazine 90 WDG: Sim-Trol 4L: Sim-Trol DF; Solicam DF; Surflan AS Agricultural; Surflan AS Specialty; Surflan Flex: Surflan Flex T&O: Surflan XL 2G: Treevix Powered by Kixor:

Venue: Visor Broadcrop Ensure that the product used is labeled for application within the crop being grown. Read and follow label directions for all products in the tank mixture. Strips (within rows)

TANK MIXTURES: This product may be applied within rows of tree, vine and shrub crops in tank mixtures with the following products. 2.4-D: bromacil: clethodim: diuron: fluazifop-P-butvl: flumioxazin: glufosinate-ammonium; indaziflam; napropamide; norflurazon; oryzalin; oxyfluorfen: pendimethalin: penoxsulam: pyraflufen ethyl: rimsulfuron:

saflufenacil; sethoxydim; simazine; thiazopyr Alion: Chateau Herbicide SW: Devrinol 2-XT: Devrinol 50-DF: Devrinol 50-DF Ornamental: Devrinol DF-XT: Devrinol DF-XT Ornamental: Direx 41: Dri-Clean: Fusilade II Turf & Ornamental: Fusilade DX: Goal 2XL: GoalTender: Karmex DF: Matrix FNV: Matrix SG: Orchard Master Broadleaf: Orchard Master CA; Pindar GT; Poast; Poast Plus; Prowl 3.3 EC; Prowl H20: Princep 4L: Princep Caliber 90: Princep Liquid: Rely 280: Select: Select 2 EC: Select Max Herbicide with Inside Technology: Simazine 4L: Simazine 4L Flowable; Simazine 90DF; Simazine 90 WDG; Sim-Trol 4L; Sim-Trol DF; Solicam DF; Surflan AS Agricultural; Surflan AS Specialty; Surflan Flex; Surflan Flex T&O; Surflan XL 2G; Treevix Powered by Kixor; Venue: Visor Broadcrop

Ensure that the product used is labeled for application within the crop being grown. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Do not apply these tank mixtures in Puerto Rico.

Perennial Grass Suppression

#### This product will suppress perennial grasses such as bahiagrass bermudagrass, tall fescue, orchardgrass, Kentucky bluegrass and quackgrass

that are grown as ground covers in tree, vine and shrub crops. For suppression of tall fescue, fine fescue, orchardgrass and quackgrass; apply 4 fluid ounces of this product in 10 to 20 gallons of water per acre.

For suppression of Kentucky bluegrass covers, apply 4 fluid ounces of this product per acre. Do not add ammonium sulfate to the spray mix.

For enhanced results, mow cool-season grass covers in the spring to even

their height and then apply this product 3 to 4 days after mowing.

For suppression of vegetative growth and seedhead inhibition of bahiagrass for approximately 45 days, apply 4 fluid ounces of this product in 10 to 25 gallons of water per acre 1 to 2 weeks after full green-up or after mowing to a uniform height of 3 to 4 inches prior to seedhead emergence. For suppression for up to 120 days, apply 3 fluid ounces of this product per acre followed by an application of 2 to 3 fluid ounces per acre about 45 days later. Make no more than two applications per year.

For burndown of bermudagrass, apply 22 to 44 fluid ounces of this product in 3 to 20 gallons of water per acre. Make this application only if a reduction of the bermudagrass stand can be tolerated. When burndown is required prior to harvest, make the application a minimum of 21 days prior to harvest to allow sufficient time for burndown to occur.

For suppression of bermudagrass, apply 4 to 11 fluid ounces of this product per acre east of the Rocky Mountains and 11 fluid ounces west of the Rocky Mountains 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 when re-growth occurs and bermudagrass injury and stand reduction can be tolerated. East of the Rocky Mountains, apply 4 to 7 fluid ounces of this product per acre in shaded conditions or where a lesser degree of suppression is desired.

#### Cut Stump Application

Application of this product to a freshly cut tree stump may be made during site preparation or site renovation to control re-growth and re-sprouting of stumps of many 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 (ugli); Tangor

Fruit Trees: Apple; Apricot; Cherry (sweet, sour); Crabapple; Loquat; Mayhaw; Nectarine: Olive: Peach: Pear: Plum/Prune (all): Quince

Nut <u>Trees</u>: Almond; Beechnut; Brazil nut; Butternut; Cashew; Chestnut; Chinquapin; Filbert (hazelnut); Hickory nut; Macadamia; Pecan; Pistachio; Walnut (black, English)

USE INSTRUCTIONS: Cut the tree close to the soil surface and immediately apply a 50- to 100-percent (undiluted) solution of this product to the freshly put surface using application equipment capable of covering the entire cambium. A delay in application could result in reduced performance. For enhanced results, cut the tree during period of active growth and full leaf expansion and apoly this product.

PRECAUTIONS: DO NOT MAKE A CUT STUMP APPLICATION WHEN THE ROOTS OF ADJACENT DESIRABLE TREES MIGHT BE GRAFTED TO THE ROOTS OF THE CUT STUMP, AS INJURY COULD OCCUE IN THE ADJACENT TREES. Some sprouts, stems or trees can share a common root system. Adjacent trees having a similar age, height and spacing could be an indicator of a shared root system. Whether grafted or shared, injury is likely to occur to adjacent stems or trees when this product is applied to one or more trees sharing a common root system.

# 10.1 Berry and Small Fruit Crops

LABELED CROPS: All cultivars, varieties and/or hybrids of Amur River grape; Aronia berry; Bayberry; Bearberry; Bilberry; Blackberry (including Andean blackberry, arctic blackberry, bingleberry, black satin berry, boysenberry, brombeere, California blackberry, Cherokee blackberry, chesterberry, Chevenne blackberry, common blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, evergreen blackberry, Himalayaberry, hullberry, lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, mora, mures de ronce, nectarberry, Northern dewberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, Southern dewberry, tayberry, youngberry, zarzamora); Blueberry (highbush, lowbush); Buffaloberry; Che; Chilean guava; Chokecherry; Cloudberry; Cranberry (including highbush); Currant (black, Buffalo, red, native); Elderberry; European barberry; Gooseberry; Grape; Honeysuckle (edible); Huckleberry; Jostaberry; Juneberry (Saskatoon berry); Kiwifruit (fuzzy, hardy); Ligonberry; Maypop; Mountain pepper berries; Mulberry; Muntries; Partridgeberry; Phalsa; Pincherry; Raspberry (black, red, wild); Riberry; Salal; Schisandra berry; Sea buckthorn; Serviceberry; Strawberry

TYPES OF APPLICATION: Those listed in Section 10.0

PRECAUTIONS: To avoid damage, spray solutions of this product must not be allowed to contact desirable vegetation, including green shoots, canes or foliage. In the northeast and Great Lakes regions, apply this product in grape vineyards prior to the end of the bloom stage in order to avoid crop injury, or apply using a shielded sprayer or wiper applicator. USE THIS PRODUCT WITH EXTREME CARE AROUND RASPBERRY, AS SERIOUS CROP DAMAGE CAN DOCUR IF ANY PART OF THE VINE COMES INTO CONTACT WITH THIS PRODUCT. To the extent consistent with applicable law, grower assumes all responsibility for crop losses resulting from misapplication of this product.

RESTRICTIONS: Allow a minimum of 3 days between application of this product and transplanting, Allow a minimum of 30 days between application and harvest of cranberries or the planting of any crop not listed on this label. Allow a minimum of 14 days between application and harvest for all other berry and small fruit crops listed here. Do not apply this product using selective equioment in kinvirtonic stream.

#### Spot Treatment

USE INSTRUCTIONS: Spot treatment application using a handheld sprayer be other appropriate application equipment listed in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label may be used to control weeds in berry and small fruit crops listed in this section. For control of weeds growing in dry ditches (interior and perimeter) of cranberry production areas, drop water level to remove standing water in ditches and apply a 1- to 2-percent solution of this product with a handheld sprayer to adequately wet the vegetation only; do not spray to the point of runoff. To achieve maximum weed control in dry ditches, apply this product within 1 day after water drawdown to ensure application to actively growing weeds and allow a minimum of 2 days after application before reintroduction of water

RESTRICTIONS: Allow a minimum of 30 days between spot treatment application and harvest of cranberries. Do not apply directly to water. Use nozzles that produce medium- to large-sized droplets to minimize spray drift and avoid croo injury.

#### Post-Harvest Application in Cranberry Production

USE INSTRUCTIONS: This product may be applied for weed control after the harvest of berries and small fruits listed in this section. In cranberry bogs, apply this product after cranberry vines are dormant (after they have turned red) using a handheld sprayer, wiper applicator or any other appropriate application equipment listed in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label. With a handheld sprayer, apply a 0.4 to 0.7-percent solution of this product to adequately wet the vegetation only; do not spray to the point of runoff. With a handheld boom sprayer, apply 44 to 86 fluid ounces of this product per acre.

PRECAUTIONS: Even though vines appear dormant, contact of this product with desirable vegetation could result in damage or severe plant injury. Cranberry plants that are directly sprayed could be killed.

RESTRICTIONS: Apply this product only after cranberries have been harvested. Do not apply to more than 10 percent of the total bog, Allow a minimum of 6 months between post-harvest application and the next harvest of cranberries. Do not apply using aerial application equipment. Do not apply directly to water.

#### 10.2 Citrus Fruit Crops

LABELED CROPS: All cultivars, varieties and/or hybrids of Calamondin; Chironia; Citron; Citrus Hybrids; Grapefruit (including Japanese summer); Kumquat, Lemon; Lime (including Australian desert lime, Australian finger lime, Australian round lime, Brown river finger lime, Mount white, New Guinea wild, Russell river, sweet, and Tahiti); Mandarin (including Mediterranean, Satsuma); Orange (all); Pummelo; Tangelo; Tangerine (Mandarin); Tangor; Uniq Fruit (ugli)

TYPES OF APPLICATION: Those listed in Section 10.0

USE INSTRUCTIONS: The following use instructions pertain to application in Florida and Texas only.

For burndown or control of the weeds listed below, apply this product at the specified rate in 3 to 30 gallons of water per acre. Where weed foliage is dense, use 10 to 30 gallons of water per acre.

To control goatweed, apply 44 to 64 fluid ounces of this product in 20 to 30 gallons of water per acre when plants are actively growing. Apply 44 fluid ounces per acre when plants are less than 8 inches tall and 64 fluid ounces per acre when plants are greater than 8 inches tall. If goatweed is greater than 8 inches tall, the use of this product in a tank-mix with Krovar I or Karmex could improve weed control. Refer to the individual product labels for specific crops, rates, geographic restrictions and precautionary statements.

			-	
	٧	arious App	ial Weed Co plication Ra product per	tes
Weed Species	22 fl oz	44 fl oz	2 quarts	3.3 quarts
Bermudagrass	В	_	PC	С
Guinea grass Texas and Florida Ridge Florida Flatwoods	B —	C B	C C	C C
Para grass	В	С	С	С
Torpedograss	S	_	PC	С
Cumpropolog DC Do	tial Cantral	D Dura	danna C (	Cantral .

S = Suppression, PC = Partial Control, B = Burndown, C = Control

RESTRICTIONS: Allow a minimum of 1 day between application and harvest of citrus fruit crops. For citron groves, apply as a directed spray only.

# 10.3 Pome Fruit Crops

LABELED CROPS: All cultivars, varieties and/or hybrids of Apple; Azarole; Crabapple; Loquat; Mayhaw; Medlar; Pear (including Asian pear); Quince (including Chinese and Japanese quince): Teiocote

TYPES OF APPLICATION: Those listed in Section 10.0

RESTRICTIONS: Allow a minimum of 1 day between application and harvest of pome fruit.

# 10.4 Stone Fruit Crops

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

TYPES OF APPLICATION: Those listed in Section 10.0

PRECAUTIONS: Avoid application near trees with recent pruning wounds or other mechanical injury. Apply only near trees that have been planted in the orchard for a minimum of 2 years. ENSURE THAT NO PART OF A FEACH TREE IS CONTACTED WITH OVERSPRAY OR DRIFT OF THIS PRODUCT.

RESTRICTIONS: Allow a minimum of 17 days between application and harvest of stone fruit. In olive groves, apply as a directed spray only. Remove suckers and low-hanging limbs a minimum of 10 days prior to application.

# 10.5 Tree Nut Crops

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 APPLICATION: Those listed in Section 10.0

RESTRICTIONS: Allow a minimum of 3 days between application and harvest of tree nuts, except coconut. Allow a minimum of 14 days between application and harvest of coconut.

# 10.6 Tropical and Subtropical Trees and Fruit Crops

Surinam cherry; Tamarind; Tea; Ti; Wax jambu

LABELED CROPS: Ambarella; Atemoya; Avocado; Banana; Barbados cherry (acerola); Biriba; Blimbe; Breadfruit; Cacao (cocoa) bean; Canistel; Carambola (starfruit); Cherimoya; Coffee; Custard apple; Dates; Durian; Fejipa; Figs; Governor's plum; Guava: Ilma: Imbe; Imbu; Jaboticaba; Jackfruit; Longan; Lychee; Mamey apple; Mango; Mangosteen; Marmaladebox (genip); Mountain papaya; Noni (Indian mulberry); Papaya; Pawpaw; Plantain; Persimmon; Pomegranate; Pulasan; Rambutan, Rose apple; Sapodilla; Sapote (black, mamey, white); Spanish lime; Soursop; Star apple; Sugar apple;

TYPES OF APPLICATION: Those listed in Section 10.0, and as a Bananacide (banana only)

RESTRICTIONS: Allow a minimum of 1 day between application and harvest in banana, coffee, guava, papaya, and plantain crops. Allow a minimum of 14 days between application and harvest of all other tropical and subtropical tree fruit listed here. In coffee and banana, delay application a minimum of 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, in order to establish a disease-free buffer around a plantation. Remove all fruit from the plants within the area prior to treatment. Inject 0.04 fluid ounce (1 milliliter) of this concentrated product (undiluted) for every 2 to 3 inches of pseudostem diameter of the banana plant to be controlled. Make the injection at least one foot above the ground, except for very small plants, which can be injected vertically into the top. Any subsequent re-growth must also be destroyed. Mechanically destroy all plants and mats (or units) within a 4-foot radius around a treated mat.

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 apinid vector, and destruction of all infected mass (or units). An infected plant might not show symptoms of the Banana Bunchy Top Virus for as many as 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 milliliters) of this product per mat (or unit). Do not harvest any fruit or plant material from treated mats (or units) following injection. Do not allow livestock to consume treated plant material. Following transplant of new banana plants into treated areas, allow plants to become established for a minimum of 3 months before applying this product for weed control.

# 10.7 Vine Crops

TO., Imaginaba

LABELED CROPS: Hops; Passion fruit TYPES OF APPLICATION: Those listed in Section 10.0

USE INSTRUCTIONS: Apply this product for weed control only when green shoots, canes or foliage are not in the spray zone.

RESTRICTIONS: Allow a minimum of 14 days between application and harvest of these vine crops.

# 10.8 Miscellaneous Tree Food Crops

LABELED CROPS: Cactus (all, including prickly pear, dragon fruit); Palm TYPES OF APPLICATION: Those listed in Section 10.0

# 10.9 Non-Food Tree Crops

LABELED CROPS: Pine; Poplar; Eucalyptus; Christmas trees; all other

TYPES OF APPLICATION: Those listed in Section 10.0

PRECAUTIONS: Avoid contact of spray, drift or mist of this product with foliage or green bark of established Christmas trees and other pine trees. Desirable plants can be protected from the spray solution by using shields or coverings of impermeable materials.

RESTRICTIONS: DO NOT apply this product as a broadcast application over the top of plantations or tree crops.

#### Site Preparation

USE INSTRUCTIONS: This product may be used for weed control prior to planting non-food tree crops.

PRECAUTIONS: Protect non-target plants from being sprayed with this product during site preparation application.

#### Directed Spray, Spot Treatment, Wiper Applicator

JUES INSTRUCTIONS: This product may be applied as a post-directed spray or spot treatment, or applied using a wiper applicator, around established Christmas trees, eucalyptus, poplar, and all other non-food tree crops.

#### 11.0 PASTURE GRASSES, FORAGE LEGUMES and rangeland

USE INSTRUCTIONS: Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates of this product for specific weeds. When applied as directed, this product will control those annual and perennial grasses and broadleaf weeds listed. Application rates specified on this label for hard-to-control weeds, or those specified on separate supplemental labeling for this product, supersede rates listed in the "ANNUAL WEEDS RATE SECTION" "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, IRRES AND VINES RATE SECTION" of this label. Additional information on hard-to-control weeds can be found on Fact Sheets published for this product.

# 11.1 Alfalfa, Clover, and Other Forage Legumes

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

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Spot Treatment; Wiper Applicator; Preharvest (except kenaf and leucaena); Stand Removal For directions for use with Roundup Ready alfalfa, see the "ROUNDUP READY CROPS" section of this label.

#### Preplant, At-Planting, Preemergence

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

#### $RESTRICTIONS: \ Remove \ domestic \ livestock \ before \ application.$

Spot Treatment, Wiper Applicator

USE INSTRUCTIONS: This product may be applied as a spot treatment or over the top of crops listed in this section using a wiper applicator. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label. Application may be repeated in the same area at 30-day intervals.

RESTRICTIONS: For spot treatment and use with a wiper applicator, apply in areas where the movement of domestic livestock can be controlled. Remove domestic livestock before application and wait a minimum of 3 days after application before grazing livestock or harvesting. Do not apply this product to more than 10 percent of the total field area at any one time.

#### Weed Control in Dormant Alfalfa

USE INSTRUCTIONS: This product will control or suppress many weeds, including quackgrass, downy brome and cheatgrass in dormant alfalfa. Apply 6 to 8 fluid ounces of this product per acre in the spring when affalfa is dormant, after spring temperatures have warmed enough to encourage weed growth, but prior to initiation of trifoliate leaf expansion of the alfalfa crop. Application made after expansion of the first trifoliate leaf will cause growth reduction and reduced crop yield.

PRECAUTIONS: Improper application of this product to alfalfa can cause crop injury. Do not use this product on dormant alfalfa if a slight yield reduction in the first cutting cannot be tolerated. Slight discoloration of the alfalfa crop could occur, but will re-green and resume growth under moist soil conditions as effects of this product wear off.

RESTRICTIONS: Do not add ammonium sulfate to spray solutions of this product for application to dormant alfalfa. Do not make more than one application per year. Allow a minimum of 36 hours after application before grazing livestock or harvesting.

USE INSTRUCTIONS: This product may be applied as a broadcast application

#### Preharvest (Except Kenaf and Leucaena), Stand Removal

prior to harvest (except in kenaf and leucaena) in declining stands or in any stand where severe crop injury or destruction is acceptable, or to remove an established stand of any forage legume listed in this section. Application may be made at any time of the year to control annual and perennial weeds, including quackgrass. For control of quackgrass, apply in the spring, late-summer or fall when quackgrass is actively growing. Application for quackgrass control must be followed by deep tillage for complete control. If the crop is to be harvested or grazed by livestock, apply up to 44 fluid ounces of this product per acre in alfalfa and up to 32 fluid ounces per acre in all other legumes listed in this section. For complete removal of established stands of clover, it might be necessary to use a higher application rate, as listed in the "PERENNIAL WEEDS RATE SECTION" of this label.

PRECAUTIONS: This application can destroy an alfalfa stand and severely injure or destroy other legume crops listed, such as clover. Preharvest application on alfalfa grown for seed could result in a reduction in germination or vigor. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on alfalfa grown for seed.

RESTRICTIONS: Make only one application to an existing crop stand per year. Remove domestic livestock before application. Foliage within the application area can be harvested and fed to livestock according to the application rates and intervals defined in the following table. If applying at a rate greater than those listed here, do not harvest foliage for livestock feed or allow livestock to graze within the application area.

Сгор	Maximum Single Preharvest Application Rate (per acre)	Minimum Interval Between Application and Harvest or Livestock Grazing
Alfalfa	44 fluid ounces	36 hours
All other legumes listed	32 fluid ounces	3 days

Crops listed on this label may be planted into the application area at any time; all other crops may be planted 30 days after application.

#### 1.2 Conservation Reserve Program (CRP)

TYPES OF APPLICATION: Postemergence Weed Control in Dormant CRP Grasses; Wiper Applicator; Renovation (rotating out of CRP); Site Preparation

Postemergence Weed Control in Dormant CRP Grasses, Wiper Applicator USE INSTRUCTIONS: Apply this product to suppress competitive growth and

seed production of undesirable vegetation on CRP land. Application may be made using a wiper applicator to control tall weeds, or as a broadcast application or spot treatment to dormant CRP grasses. For selective weed control using broadcast application equipment, apply 5 to 8 fluid ounces of this product per acre in early-spring before desirable CRP grasses, such as crested and tall wheatgrass, break dormancy and initiate green growth. Late-fall application may be made after desirable perennial grasses have reached dormancy.

PRECAUTIONS: Some stunting of CRP perennial grasses will occur it broadcast application is made when plants are not dormant.

RESTRICTIONS: Do not apply more than 2 quarts of this product per acre per year onto CRP land. No waiting period is required between application and grazing or harvesting for feed.

#### 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 interaction.

RESTRICTIONS: Crops listed on this label may be planted into the area at any time; all other crops may be planted 30 days after application.

#### 11.3 Grass Seed and Sod Production

LABELED CROPS: Any grass (*Gramineae* family), except Corn, Sorghum, Sugarcane and those listed in the "CEREAL AND GRAIN CROPS" section of this label

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Renovation; Removal of Established Stands; Site Preparation; Shielded Sprayer; Wiper Applicator; Spot Treatment; Creating Rows in Annual Ryegrass

#### Preplant, At-Planting, Preemergence, Renovation, Removal of Established Stand, Site Preparation

USE INSTRUCTIONS: This product controls most existing vegetation for purposes of renovating turf or forage grass seed production areas, or for establishing turfgrass grown for sod. This product may be used to destroy undestrable grass vegetation when production fields are converted to alternative species or crops. Do not disturb soil or underground plant parts before application and delay tillage or renovation techniques, including vertical mowing, coring and slicing, for a minimum of 7 days after application to allow for herbicide translocation into underground plant parts.

Apply before, during or after planting, or for renovation purposes. Where existing vegetation is growing under mowed turgrass management, apply this product after omitting at least one regular mowing to allow sufficient growth for good interception of the herbicide spray. For maximum control of existing vegetation, delay planting until determining if any re-growth of underground plant parts will occur. Where repeat applications are necessary, sufficient re-growth must be attained prior to application. For warm-season grasses, such as bermudagrass, summer or fall application provides enhanced control. Broadcast application of this product may be used to control sod remnants or other unwanted vegetation after sod is harwested. Application rates of up to 3.3 quarts per acre may be used to totally remove an established stand of hard-to-kill grass species.

RESTRICTIONS: If application rate is 2 quarts of this product per acre or less, no waiting period between application and feeding or livestock grazing is required. If the rate is greater than 2 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting. Crops listed on this label may be planted into the area at any time; all other crops may be planted 30 days after application.

#### Shielded Sprayer

USE INSTRUCTIONS: Apply 22 to 64 fluid ounces of this product in 10 to 20 gallons of water per acre using a shielded sprayer to control weeds between grass seed rows. Uniform planting in straight rows will aid shielded sprayer application. Enhanced results can be obtained when the grass seed

crop is small enough to easily pass by the protective shields. See additional instructions on the use of shielded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

\*\*PEFCALITIONS.\*\* Contact of this product in any manner to any venetation to

PRECAUTIONS: Contact of this product in any manner to any vegetation to which application is not intended could cause damage.

#### Wiper Applicator

JUSE INSTRUCTIONS: This product may be applied over the top of desirable grasses using a wiper applicator for the control of tall weeds. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Droplets, mist, foam or splatter of the herbicide solution settling onto desirable vegetation could result in discoloration, stunting or destruction.

#### Spot Treatment

USE INSTRUCTIONS: Apply a 1-percent solution of this product using a handheld sprayer to control weeds within established vegetation prior to heading of grasses grown for seed or to control sod remnants or other unwanted vegetation after sod is harvested.

PRECAUTIONS: This product will kill the desirable grasses along with the weeds. Take care not to spray or allow spray to drift outside the target area in order to avoid unwanted crop destruction.

#### Creating Rows in Annual Ryegrass

USE INSTRUCTIONS: Use low-pressure nozzles or drop nozzles designed to target the application over a narrow band. Set nozzle height to establish the desired row spacing and apply 11 to 22 fluid ounces of this product per acre. Enhanced results can be obtained when application is made before ryegrass reaches 6 inches in height. Use a higher application rate within this range when ryegrass is greater than 6 inches in height.

when ryegass is greater train of licities in negati.

PRECAUTIONS: Take care not to spray or allow spray to drift outside target area in order to avoid unwanted crop destruction. To the extent consistent with applicable law, grower assumes all responsibility for crop losses resulting from misapolication of this product.

# 11.4 Pastures

LABELED CROPS: Bahiagrass; Bermudagrass; Bluegrass; Brome; Fescue; Guinea grass; Kikyuy grass; Orchardgrass; Pangola grass; Ryegrass; Timothy; Wheatgrass and any grass (*Gramineae* family), except Corn, Sorghum, Sugarcane and those listed in the "CEREAL AND GRAIN CROPS" section of this label

TYPES OF APPLICATION: Preplant; Preemergence; Pasture Renovation; Spot Treatment; Wiper Applicator; Postemergence Weed Control (broadcast application)

# Preplant, Preemergence, Pasture Renovation

Preplant, Preemergence, Pasture Kenovation

USE INSTRUCTIONS: This product may be applied for weed control prior to planting or emergence of forage grasses. This product may also be applied to control perennial pasture species listed on this label prior to re-planting.

RESTRICTIONS: If application rates total 2 quarts of this product per acre or less, no waiting period between application and feeding or livestock grazing is required. If the rate is greater than 2 quarts per acre, enowe domestic livestock before application and wait 8 weeks after application before grazing or harvesting. Crops listed on this label may be planted into the area at any time all other crops may be oblanted 30 days after application.

#### Spot Treatment, Wiper Applicator

USE INSTRUCTIONS: This product may be applied in pastures as a spot treatment or over the top of desirable grasses using a wiper applicator to control tall weeds. To achieve maximum performance, remove domestic livestock before application and wait a minimum of 7 days after application before grazing livestock or harvesting for feed. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND \*\*TECHNIQUES\*\* section of this label.

RESTRICTIONS: For spot treatment or use with a wiper applicator at rates of 2 quarts per acre or less, this product may be applied over the entire pasture or any portion of it. At rates above 2 quarts per acre, this product may be applied over no more than 10 percent of the total pasture at any one time. Application may be repeated on the same area at 30-day intervals.

#### Postemergence Weed Control (Broadcast Application)

USE INSTRUCTIONS: This product may be applied in pastures to suppress competitive growth and seed production of annual weeds and other undesirable

vegetation. For selective weed control using broadcast application equipment, apply 8 to 11 fluid ounces of this product per acre in early-spring before desirable perennial grasses break dormancy and initiate green growth. Late-fall apolication may be made after desirable perennial grasses have

PRECAUTIONS: Some stunting of perennial grasses will occur if broadcast application is made when plants are not dormant. Higher application rates may be used for hard-to-control weeds; however, higher rates will cause stand reduction.

RESTRICTIONS: No waiting period is required between application and grazing or harvesting for feed. Do not apply more than 2 quarts of this product per acre per year onto pasture grasses except for renovation use as described on this label. If replanting is needed due to severe stand reduction, wait a minimum of 30 days after application before planting any crop not listed on this label.

# 1.5 Rangeland

reached dormancy.

TYPES OF APPLICATION: Postemergence

USE INSTRUCTIONS: This product will control or suppress many annual weeds growing on perennial cool- and warm-season grass rangeland. Slight discoloration of the desirable grasses could occur, but will re-green and resume growing under moist soil conditions as effects of this product wear off.

Preventing seed production is critical to the control of invasive annual grassy weeds on rangeland. Follow-up applications in sequential years can be used to eliminate most of the viable seeds. Delay grazing of the area after application of this product to allow desirable perennials to grow, flower and re-seed the area.

Apply 8 to 1.1 fluid ounces of this product per acre to control or suppress many weeds, including downy brome, cheatgrass, cereal rye and jointed goatgrass on rangeland. Apply when most mature brome plants are in early flower and before the plants, including seedheads, turn color. Allowing for secondary weed flushes to occur after spring rains further depletes the seed reserve and encourages perennial grass conversion on weedy sites. Apply this product in the fall in areas where spring moisture is normally limited and fall germination allows for good weed rowth and weed seed depletion.

For control of medusahead, apply 11 fluid ounces of this product per acre at

the 3-leaf stage. Delaying application beyond this stage will result in reduced or unacceptable control. Controlled burning prior to application can be useful in eliminating the thatch layer produced by slowly decaying culms. Allow new growth to occur before applying this product after a burn. Repeat applications in subsequent years are necessary to eliminate the seedbank before re-establishing desirable perennial grasses in medusahead-dominated rangeland.

RESTRICTIONS: Do not apply more than 2 quarts of this product per acre per year on rangeland. Do not add ammonium sulfate to the spray mixture when applying this product or rangeland grasses. No waiting period between application and feeding or livestock grazing is required.

#### 12.0 ROUNDUP READY CROPS

ROUNDUP READY CROPS CONTAIN A PATENTED GENE THAT PROVIDES TOLERANCE TO GLYPHOSATE, THE ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO CROPS THAT ARE NOT GLYPHOSATE TOLERANT. AVOID CONTACT OF THIS PRODUCT WITH FOLIAGE, GREEN STEMS, OR RRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A GLYPHOSATE-TOLERANCE GENE, AS SEVERE PLANT INJURY OR DESTRUCTION WILL RESULT. Information on Roundup Ready crops can be obtained from your seed supplier or Bayer CropScience I'r Perpresentative. Roundup Ready crops must be purchased from an authorized licensed seed supplier.

The directions for use in the sections that follow, or those published separately on supplemental labeling for this product, include all applications of this product that may be made onto a specified Roundulp Ready crop during the complete cropping season. D0 NOT combine these directions for use with the directions for use with the directions for use with the same crops listed in the "ANNUAL AND PERENNIAL CROPS" and "PASTURE GRASSES, FORAGE LEGUMES AND RANGELAND" sections of this label, which are intended for crops that do not contain a glyphosate-tolerance gene.

in 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 planting. Bayer CropScience LP 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 a Roundup Ready trait cannot be used for research and demonstration, reverse engineering or in connection with herbicide registration. Progeny seed containing a Roundup Ready trait may not be saved for replanting or transferred to others for replanting. Contact your Authorized Bayer CropScience LP for information on obtaining a limited

NOTE: Roundup Ready seed and the method of selectively controlling weeds

USE INSTRUCTIONS: Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds. When applied as directed, this product will control the annual and perennial grasses and broadleaf weeds listed. Observe the maximum application rates and crop stage timings specified for individual Roundung Ready crops in the sections that follow.

Sprayer Preparation: It is important that sprayer and mixing equipment be clean and free of pesticide residue before being used to apply this product

over the top of Roundup Ready crops. 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.

ATTENTION: AVOID DRIFT. USE EXTREME CARE WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS THAT DO NOT CONTAIN A CHYPHOSAIT. TOLERANCE GENE.

NOT CONTAIN A GLYPHOSATE-TOLERANCE GENE.

Ground broadcast application — Apply this product in 5 to 20 gallons of spray solution per acre, unless otherwise directed. Select proper nozzles and spray pressure settings to avoid spraying a fine mist. For enhanced results with ground application equipment, use flat-fan nozzles. Check for ever distribution of spray droplets.

Aerial application — Unless otherwise prohibited, all applications of this product described in this section may be made using aerial application equipment, where appropriate, provided that the applicator complies with the precautions and restrictions specified on this label and on all supplemental labeling published separately for this product. Apply this product in 3 to 15 gallons of water per acre. See the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for important information on aerial application and procedures for avoiding spray drift that could cause injury to any vegetation not intended for application. Use of appropriate buffer zones will help prevent injury to adjacent vegetation.

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

TANK MIXTURES: Tank mixtures of this product with other herbicides. insecticides, fungicides, micronutrients or foliar fertilizers could result in reduced weed control or crop injury when applied over the top of Roundup Ready crops. Read the label of all products used in the tank mixture prior to use to determine the potential for crop injury. Always read and follow label directions for all products in the tank mixture. Use all products according to rates and timing specified on the product label. Always predetermine the compatibility of tank-mix products together in the carrier by mixing small proportional quantities in advance. Bayer CropScience LP has not tested this product with all tank-mix product formulations for compatibility, antagonism or performance. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not specifically listed on this label or on separate supplemental labeling or Fact Sheets for this product. See the "MIXING" section of this label for more information on tank mixtures.

Unless otherwise directed, nonionic surfactant may be added to the spray solution for application to Roundup Ready crops. The addition of certain surfactants to a spray solution of this product could result in some crop response including leaf speckling or leaf necrosis due to the surfactant; Refer to the individual Roundup Ready crop sections that follow, or to separate supplemental labeling, for additional precautions or restrictions on the use of surfactants. Refer to the "MIXING" section of this label for additional information on the use of surfactants with this product.

Ammonium sulfate may be added to spray solutions of this product for application to Roundup Ready crops. Refer to the "MIXING" section of this label for instructions on the use of ammonium sulfate.

The following use 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, apply this product as a preplant burndown application to control existing weeds prior to crop emergence. Some weeds, such as black nightshade, broadleaf signalgrass, sicklepod, Iexas panicum, sandbur, annual morning glory, woolly cupgrass, shattercane, wild proso millet, burcucumber, and giant ragweed with multiple germination times, or suppressed (stunted) weeds, might require a second application of this product for complete control. Make second application after some re-growth has occurred and a minimum of 10 days after a previous application of this product.

Application rates of this product specified on this label for hard-to-control weeds, or those specified on separate supplemental labeling for this product, supersede rates in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label. Additional information on hard-to-control weeds can be found on Fact Sheets published for this product.

RESTRICTIONS: Observe the maximum application rates stated throughout this label. Maximum application rates apply to the use of this product combined with the use of any and all other herbicides containing glyphosate, whether applied separately or as mixtures. Calculate the application rates (glyphosate acid equivalents) and ensure that the total use of this and other glyphosate-containing products does not exceed the stated maximum rate. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates. When applying this product as a tank mixture with one or more products, refer to each individual tank-mix product label for restrictions and apply the tank mixture in accordance with the most restrictive statements for each product in the tank.

# 12.1 Roundup Ready Alfalfa

TYPES OF APPLICATION: Preplant; At-planting; Preemergence; Postemergence (In-crop)

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product.

Maximum Application Rates			
Combined total per year for all applications, including Preplant during year of establishment	5.3 quarts per acre		
Preplant, At-planting and Preemergence single application	44 fluid ounces per acre		
Combined total per year for In-crop application on newly established and established stands	4.1 quarts per acre		

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT MFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied 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 the forage and hay, apply this product after weeds have emerged, but before alfalfa growth or re-growth interferes with spray coverage of the target weeds.

Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds. When applied as directed, this product will control the annual and perennial grasses and broadleaf weeds listed. This product will also suppress or control the parasitic weed dodder (Cuscuta spp.) in Roundup Ready alfalfa. More than one application might be necessary for complete control.

PRECAUTIONS: Freezing or near freezing conditions, or large temperature swings, within 5 days after application of this product to Roundup Ready alfalfa could result in a limited, temporary crop response.

New Stand Establishment (Seeding Year) — Due to the biology and breeding constraints of alfalfa, up to 10 percent of the seedings will not contain a 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, make a single application of at least 22 fluid ounces of this product per acre at or before the 4-trifoliate growth stage. Refer to the following table for application rates during stand establishment (seeding year).

for application rates during stand establishment (seeding year).		
NEW STAND ESTABLISHMENT (Seeding Year) Application Rates		
Prior to First Cutting		
From emergence up to 4 trifoliate leaves	22 to 44 fluid ounces per acre	
From 5 trifoliate leaves up to 5 days before first cutting	Up to 44 fluid ounces per acre	

In-crop application, per cutting, up to 5 days before cutting.

TANK MIXTURES: Up to 44 fluid ounces of this product per acre may be applied postemergence (in-crop) over the top of Roundup Ready alfalfa in the seeding year in a tank-mix with the following products after weeds have emerged, but before alfalfa growth or re-growth interferse with spary ocverage of the target weeds. Ensure that the product used in the tank-mix is labeled for application postemergence (in-crop) to alfalfa. Read and follow label directions for all products in the tank mixture.

After First Cutting

clethodim; imazamox; imazethapyr; sethoxydim; quizalofop p-ethyl Assure II: Poast: Poast Plus: Pursuit: Raptor: Select 2 FC: Select Max

Herbicide with Inside Technology

Pursuit or Raptor applied to seedling alfalfa could result in a 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 could result.

Established Stands (Non-seeding Year) — Refer to the following table for directions and application rates for in-crop application to established stands of alfalfa (non-seeding year).

ESTABLISHED STANDS (Non-seeding Year) Application Rates		
In-crop application, per cutting, up to 5 days before cutting	Up to 44 fluid ounces per acre	

TANK MIXTURES: This product may be applied postemergence (in-crop) over the top of established stands of Roundup Ready alfalfa in tank mixtures described below according to the growing condition of the crop. Ensure that the product used is labeled for application postemergence (in-crop) to alfalfa. Read and follow label directions for all products in the tank mixture.

Actively growing alfalfa: For control of emerged annual grasses and broadleaf weeds when alfalfa is actively growing, this product may be applied at up to 44 fluid ounces per acre in a tank mixture with the following herbicides.

clethodim; imazamox; imazethapyr; sethoxydim; quizalofop-p-ethyl

Assure II; Poast; Poast Plus; Pursuit; Raptor; Select 2 EC; Select Max Herbicide with Inside Technology

Do not include crop oil concentrate or methylated seed oil in tank mixtures of this product with Pursuit or Raptor as unsatisfactory crop injury could result.

**Dormant alfalfa:** For control of emerged annual grasses and broadleaf weeds when alfalfa is dormant, this product may be applied at up to 44 fluid ounces per acre in a tank mixture with the following herbicides when daily temperatures remain above freezing.

imazamox; imazethapyr; metribuzin; pronamide; propyzamide

Kerb 50-W; Kerb SC; Pursuit; Raptor; TriCor 4F; TriCor DF

Do not include crop oil concentrate or methylated seed oil in tank mixtures of this product with Pursuit or Raptor as unsatisfactory crop injury could result.

PRECAUTIONS: Where Roundup Ready alfalfa is grown with a companion or cover crop, or is over-seeded with a second species, in-crop (over-the-top) application of this product will eliminate the non-Roundup Ready (non-glyphosate-tolerant) species.

RESTRICTIONS: Do not exceed 44 fluid ounces per acre for any single in-crop application of this product. Sequential applications of this product must be a minimum of 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 4.1 quarts (132 fluid ounces) per acre. Do not apply to frozen or snow covered ground. Remove domestic livestock before application. Wait a minimum of 5 days after application before grazing, or cutting or feeding of forea and hav

# 12.2 Roundup Ready Canola (Spring Varieties)

For directions for use of this product on TruFlex<sup>™</sup> Roundup Ready<sup>®</sup> Canola, refer to that section of this label. DO NOT combine these directions for use on Roundup Ready canola with the directions for use on TruFlex<sup>™</sup> Roundup Ready<sup>®</sup> canola. Roundup Ready granola is defined as those Roundup Ready canola

varieties that are seeded in the spring and harvested in the fall and do not enter a winter dormancy period.

YPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-cron): Postemergence (In-cron) in Mybrid Seed Production Only

USE INSTRUCTIONS: Refer to the following table for the maximum application rates for this product with spring varieties of Roundup Ready canola.

rates for this product with spring varieties of noundup neady canola.		
Maximum Application Rates		
Total for all Preplant, At-Planting, Preemergence applications	44 fluid ounces per acre	
Total for all In-crop applications from emergence to 6-leaf stage	22 fluid ounces per acre	

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

RESTRICTIONS: Maximum quantity of this product that may be applied

for all preplant, at-planting and preemergence applications combined is 44 fluid ounces per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied postemergence (in-crop) to spring varieties of Roundup Ready canola from emergence through the 6-leaf stage of development, unless otherwise directed. Application made during bolting or flowering could result in crop injury and yield loss. To maximize yield potential, eliminate competing weeds early.

<u>Single Application</u> — Apply 11 to 16 fluid ounces of this product per acre no later than the 6-leaf stage for the control of annual weeds. Avoid overlapping applications as this could result in temporary yellowing, delayed flowering, and/or growth reduction. Similar crop injury could result when more than 11 fluid ounces per acre is applied after the 4-leaf stage.

<u>Sequential Application</u> — Apply 11 fluid ounces of this product 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 application works better for control of early emerging annual and perennial weeds, such as Canada thistle and quackgrass, or whenever more than one application is needed for acceptable weed control.

RESTRICTIONS: No more than two in-crop (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 22 fluid ounces of this product per acre. Allow a minimum of 60 days between application and canola harvest.

#### Postemergence (In-crop) in Hybrid Seed Production Only

THIS POSTEMERGENCE APPLICATION IS FOR USE ONLY IN HYBRID CANOLA SEED PRODUCTION OF BOTH SPRING AND WINTER VARIETIES. DO NOT MAKE THIS APPLICATION ON CANOLA GROWN FOR FOOD OR FEED.

This product may be applied at a rate of between 11 and 22 fluid ounces per acre from emergence until pollination is complete or near completion for the control of non-glyphosate-tolerant canola pollen parental line(s) in hybrid canola seed production fields containing both Roundup Ready canola

line(s) and non-glyphosate-tolerant line(s). Sequential applications may be made for the control of non-glyphosate-tolerant pollen parental lines up to a maximum total application rate of 22 fluid ounces per acre.

RESTRICTIONS: Allow a minimum of 5 days between sequential applications. Maximum total application rate of this product for ALL postemergence (in-crop) applications in hybrid canola seed production fields, including application for weed control and control of non-glyphosate-tolerant canola, is 22 fluid ounces per acre.

# 12.3 Roundup Ready Canola (Winter Varieties)

For directions for use of this product on TruFlex Roundup Ready Canola, refer to that section of this label. DO NOT combine these directions for use on Roundup Ready canola with the directions for use on TruFlex Roundup Ready canola. Roundup Ready winter canola defined as those Roundup Ready canola control to the terror of the Roundup Ready canola.

Roundup Ready winter canola is defined as those Roundup Ready canola varieties that are seeded in early-fall and harvested the following spring or summer. Winter canola varieties are intended to enter a cold period dormancy in the winter.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop)

USE INSTRUCTIONS: Refer to the following table for the maximum application rates of this product with winter varieties of Roundup Ready canola.

Maximum Application Rat	es
Total for all Preplant, At-Planting, Preemergence applications	44 fluid ounces per acre
Total for all In-crop applications from emergence to canopy closure or prior to bolting in the spring	

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied to winter varieties of Roundup Ready canola from emergence to canopy closure in the fall and prior to bolting in the spring. Application made during or after bolting could result in crop injury and yield loss. To maximize yield potential, eliminate competing weeds early.

Some weeds with multiple germination times, or suppressed (stunted) weeds, or weeds that have overwintered, might need a sequential application of this product for control. Make the second application after some re-growth has occurred and a minimum of 60 days after the initial application of this product.

Single Application — Apply 16 to 22 fluid ounces of this product per acre in the fall when weeds are small and actively growing. Use a higher rate within this range when weed densities are high, when weeds have overwintered or when weeds become large and well established. Application of more than 16 fluid bunces per acre prior to the 6-leaf stage could result in reduced crop growth in the fall. Avoid spray overlaps as this could result in temporary yellowing and/or growth reduction.

Sequential Application — Apply 11 to 22 fluid ounces of this product per acre to 2-leaf or larger canola in the fall, followed by a sequential application at the same rate and at a minimum interval of 60 days, but before bothing in the spring. Sequential application works best for control of early-emerging annual weeds and winter-emerging weeds, such as downy brome, jointed goatgrass and ryegrass, and for weeds that have overwintered. This product will control or suppress most perennial weeds. For some perennial weeds, a sequential application might be needed to reduce competition with the croo.

RESTRICTIONS: No more than two over-the-top broadcast applications may be made from crop emergence up to the onset of bolting and the total in-crop application must not exceed 44 fluid ounces of this product per acre. Allow a minimum of 60 days between application and harvest of canola grain. No waiting beriod is required between application and open grazing of livestock.

# 12.4 TruFlex Roundup Ready Canola (Spring Varieties)

TruFlex Roundup Ready spring canola is defined as those varieties of TruFlex Roundup Ready canola that are seeded in the spring and harvested in the fall and do not enter a period of winter dormancy.

The directions for use provided in this section are specific to and may only be used with varieties designated as TurFlex Roundup Ready canola. Applications described on this label made over the top of canola that is not designated as TurFlex Roundup Ready canola could cause serious crop injury and reduced yields. DO NOT combine these directions for use with those in the "Roundup Ready Canola" section of this label or with any other directions for use on canola on labeling for this or any other glyphosate-containing product. Drift of this product from an application made to TruFlex Roundup Ready canola onto adjacent fields of Roundup Ready canola could cause extensive cron injury.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop); Postemergence (In-crop) in Hybrid Seed Production Only

USE INSTRUCTIONS: Refer to the following table for the maximum application rates of this product with spring varieties of TruFlex Roundup Ready canola.

Maximum Application Rates		
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre	
Total for all In-crop applications from emergence through harvest	44 fluid ounces per acre	
Total for all In-crop applications from emergence through the 6-leaf stage	44 fluid ounces per acre	
Total for all In-crop applications from the 6-leaf stage through first-flower	22 fluid ounces per acre	

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Apolication Rates.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: Up to 3.3 quarts of this product may be applied before, during or after planting spring varieties of TruFlex Roundup Ready canola.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied postemergence (in-crop) to spring varieties of TruFlex Roundup Ready canola from emergence through the first-flower stage of development. To maximize yield potential, eliminate competing weeds early.

For control of Canada thistle and morning glory, apply 44 fluid ounces of this product per acre no later than the 6-leaf stage of canola development. For control of wild buckwheat over 2 inches in size, make sequential applications of 22 fluid ounces followed by 22 fluid ounces of this product per acre. For control of other annual weeds, apply up to 44 fluid ounces of this product per acre no later than the 6-leaf stage or up to 22 fluid ounces after the 6-leaf stage through first-flower.

RESTRICTIONS: No more than two in-crop (over-the-top) broadcast applications may be made from crop emergence through the first-flower stage of canola development and the total in-crop application must not exceed 44 fluid ounces of this product per acre. No more than 22 fluid ounces of this product may be applied in-crop after the 6-leaf stage.

#### Postemergence (In-crop) in Hybrid Seed Production Only

THIS POSTEMERGENCE APPLICATION IS FOR USE ONLY IN HYBRID CANOLA SEED PRODUCTION OF BOTH SPRING AND WINTER VARIETIES. DO NOT MAKE THIS APPLICATION ON CANOLA GROWN FOR FOOD OR FEED.

This product may be applied at a rate of between 11 and 22 fluid ounces per acre from emergence until pollination is complete or near completion for the control of non-Glyphosate-tolerant canola pollen parental line(s) in hybrid canola seed production fields containing both Roundup Ready canola line(s) and non-glyphosate-tolerant line(s). Sequential applications may be made for the control of non-glyphosate-tolerant pollen parental lines up to a maximum total application rate of 22 fluid ounces per acre.

RESTRICTIONS: Allow a minimum of 5 days between sequential applications: Maximum total application rate of this product for ALL postemergence (in-crop) applications in hybrid canola seed production fields, including application for weed control and control of non-glyphosate-tolerant canola; is 22 fluid ounces per acre.

#### 12.5 Field Corn Hybrids with Roundup Ready 2 Technology

Field corn hybrids with Roundup Ready 2 Technology include Roundup Ready Corn 2 and field corn seed products displaying the Roundup Ready 2 Technology logo.

The directions for use in this section apply only to use on FIELD CORN hybrids with Roundup Ready 2 Technology. For directions for use on SWEET CORN hybrids that contain Roundup Ready 2 Technology, see the "Sweet Corn Hybrids with Roundup Ready 2 Technology" section of this label.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop); Spot Treatment; Preharvest; Post-Harvest; Postemergence (In-crop) for Tassel Control in Roundup Hybritation Systems Only

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with field corn hybrids with Roundup Ready 2 Technology.

rates of this product with field corn hybrids with Roundup Ready 2 Technology		
Maximum Application Rates		
Combined total per year for all applications	5.3 quarts per acre	
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre	
Maximum single In-crop application rate up to 48-inch corn	32 fluid ounces per acre	
Total for all In-crop applications from emergence through 48-inch corn	64 fluid ounces 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*	22 fluid ounces per acre	

\*See RESTRICTIONS for Preharvest application.

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

PRECAUTIONS: The use of the in-crop (over-the-top) rates described in this section on other than field corn hybrids with Roundup Ready 2 Technology could cause crop injury and reduced yields.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting field corn hybrids with Roundup Ready 2 Technology.

TANK MIXTURES: This product may be tank-mixed with the following products. Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre. Ensure that the product used is labeled for application prior to emergence of field corn. Read and follow label directions for all products in the tank mixture.

2,4-D; acetochlor; atrazine; bicyclopyrone; carfentrazone-ethyl; clopyralid; dicamba; diflufenzopyr; dimethenamid; dimethenamid-p; flufenacet; flumetsulam; flumiclorac pentyl ester; isoxaflutole; linuron; mesotrione; metolachlor; s-metolachlor; metribuzin; pendimethalin; rimsulfuron; saflufenacil; simazine; thiencarbazone-methyl

Attrex 41; Aftrex Nine-Op, Acuron; Acuron Flexi; Aim EC; Aim EW; Atrazine 41; Aftrex Nine-Op, Acuron; Acuron Flexi; Banvel; Balance 480; Bicep II MAGNUM; Bicep II MAGNUM; Calistro, Cinch; Cinch ATZ. Lite; Clarity; Corvus; Degree Xtra; Distinct; Dual MAGNUM; Dual II MAGNUM; Fulfine; Fulfime NNT; Guardsman MAX; Harness; Harness Xtra; Harness Xtra 5.61; Homet WDG Broadleaf Blend; Keystone; Keystone LA; Keystone IA; Keystone IXT; Leadoff; Linex 41; Lorx DF; Marksman; Me-Too-Lachlor II; Outlook; Prowl 3.3 EC; Prowl H2O; Python WDG; Resicore; Resolve CG; Resolve SG; Resource; Shark EW; Shark H2O; Sharpen Powered by Kixor; Simazine 41. Flowable; Simazine 90DF; Simazine 90 WDG; Stalwart; Stalwart C; Stalwart Kra; Stileger; Surpass EC; Surpass NXT; TopNotch; Fripfer ELX III.

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season. Application of 2,4-D or dicamba must be made a minimum of 7 days prior to planting corn.

NOTE: For maximum weed control, make a postemergence (in-crop) application of this product following application of a preemergence residual broduct listed above.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied alone or in a tank-mix over the top of field corn hybrids with Roundup Ready 2 Technology from emergence through the V8 stage (8 leaves with collars), or until corn plant height reaches 30 inches (freestanding), whichever comes first, unless otherwise directed. Use drop nozzles for optimum spray coverage and weed control when corn plant height is 24 to 30 inches. When corn plants are 30 to 48 linches tall (freestanding), apply this product using only ground application equipment fitted with drop nozzles aligned to avoid spraying into the whorks of the corn plants. Maximum single in-crop application rate of this product up to 48-inch field corn is 32 fluid ounces per acre. Total in-crop application of this product from corn plant emergence through 48 inches in height must not exceed 64 fluid ounces per acre.

be fluid ounces per acre.

When applied as directed, this product will control annual grasses and broadleaf weeds listed on this label. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product. Make a postemergence application of 16 to 22 fluid ounces of this product per acre before weeds exceed 4 inches in height (before they become competitive with the crop). Repeat this application before new flushes of weeds exceed 4 inches in height.

TANK MIXTURES: This product may be tank-mixed with the following products. Ensure that the product used is labeled for application postemergence (in-crop) to field corn. Read and follow label directions for all products in the tank mixture.

2,4-D; acetochlor; atrazine; bicyclopyrone; carfentrazone-ethyl; clopyralid; dicamba; diflufenzopyr; flumetsulam; flumiclorac pentyl ester; foramsulfuron; halosulfuron-methyl; odosulfuron-methyl-sodium; isoxaflutole; mesotrione; nicosulfuron; rimsulfuron; tembotrione; thiencarbazone-methyl; thifensulfuron methyl; tooramezone

Acuron; Acuron Flexi; Aim EC; Aim EW; Banvel; Banvel 480; Basis; Basis Blend; Callisto; Callisto Xtra; Capreno; Clarity; Corvus; Degree Xtra; Distinct; Harnes; Harness Xtra; Attacs Xtra 5. Attach; Chronet WDG Broadleaf Blend; Impact; Laudis; Marksman; Resicore; Resolve DF; Resolve C; Resolve SG; Resource; Shark EW; Shark H2O; Status; Trinleft FLK II: Warrant

RESTRICTIONS: Allow a minimum of 10 days between in-crop applications of this product. Allow a minimum of 50 days between application of this product and harvest of corn forage or grain.

#### Preharves

USE INSTRUCTIONS: Up to 22 fluid ounces of this product per acre may be applied for annual and perennial weed control prior to harvest when kernel fill is complete and the com is physiologically mature (black layer formed) and grain moisture is 35 percent or less.

RESTRICTIONS: A preharvest application may be made only if the combined total of previously applied over-the-top or drop nozzle applications does not exceed 44 fluid ounces of this product per acre. Allow a minimum of 7 days between application and harvest or feeding of corn stover or grain.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after crop harvest. Higher rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4—0 or dicamba may be used. Ensure that the product used is labeled for post-harvest application in field corn. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or the feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

#### Postemergence (In-crop) for Tassel Control in Roundup Hybridization Systems Only

THIS APPLICATION IS FOR USE ONLY IN SEED PRODUCTION OF CORN HYBRIDS USING THE ROUNDUP HYBRIDIZATION SYSTEM (RHS). DO NOT MAKE THIS APPLICATION ON CORN GROWN FOR FOOD OR FFFD.

The RHS designation indicates that the corn contains Bayer CropScience LP proprietary gene technology that allows for tassel-only susceptibility to this product. Use of this product on corn hybrids or inbreds that are not designated as RHS or as corn containing Roundup Ready 2 Technology could result in severe crop injury and vield loss.

USE INSTRUCTIONS: This product may be applied at rates of between 11 and 32 fluid ounces per acre as an over-the-top broadcast application for tassel control in RHS-based seed corn production fields from the V8 stage until either the V13 stage or 100 cDU (Growing Degree Units) before flowering.

RESTRICTIONS: Make no more than two applications of this product for tassel control. The maximum total application rate of this product for tassel control is 64 fluid ounces. The maximum combined total amount of this product that may be applied per year for both weed control and tassel control is 5.3 quarts per acre.

# 12.6 Sweet Corn Hybrids with Roundup Ready 2 Technology

Sweet corn hybrids with Roundup Ready 2 Technology include Roundup Ready Sweet Corn and sweet corn seed products displaying the Roundup Ready 2 Technology logo.

The directions for use in this section apply only to use on SWEET CORN hybrids with Roundup Ready 2 Technology. For directions for use on FIELD CORN hybrids that contain Roundup Ready 2 Technology, see the "Field Corn Hybrids with Roundup Ready 2 Technology" section of this label.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop)

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with sweet corn hybrids with Roundup Ready 2 Technology.

Maximum Application Rates	
Combined total per year for all applications	5.3 quarts per acre
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre
Maximum single In-crop application rate up to 48-inch sweet corn	44 fluid ounces per acre
Total for all In-crop applications from emergence	4.1 quarts per acre

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Apolication Rates.

PRECAUTIONS: The use of the in-crop (over-the-top) applications described in this section on other than sweet corn hybrids with Roundup Ready 2 Technology could cause crop injury and reduced yields. **Preclant At-Plantine. Preemergence** 

#### epiant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting sweet corn hybrids with Roundup Ready 2 Technology.

TANK MIXTURES: This product may be tank-mixed with the residual herbicide products listed below for maximum weed control. Ensure that the product used is labeled for application prior to emergence of sweet corn. Read and follow label directions for all products in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water or in 10 to 60 gallons of nitrogen solution per acre.

acetochlor; atrazine; carfentrazone-ethyl; dimethenamid-p; metolachlor; s-metolachlor

AAtrex 4L; AAtrex Nine-O; Aim EC; Aim EW; Atrazine 4L; Atrazine 90 DF; Bicep II MAGNUM; Bicep II MAGNUM FC; Bicep Lite II MAGNUM; Cinch; Cinch ATZ; Degree Xtra; Dual MAGNUM; Dual II Magnum; FuTime; Guardsman MAX; Harness; Harness Xtra; Harness Xtra 5.6L; Keystone; Keystone LA; Keystone LA XTX; Keystone VAX; Mc-Too-Lachlor II; Outlook; TooNotch

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-cron)

USE INSTRUCTIONS: Apply this product alone or in a tank mixture over the top of sweet corn hybrids with Roundup Ready 2 Technology from emergence through the V8 stage (8 leaves with collars), or until sweet corn plant height reaches 30 inches (freestanding), whichever comes first. Use drop nozzles for optimum spray coverage and weed control when sweet corn plant height is 24 to 30 inches. When sweet corn plants are 30 to 48 inches tall (freestanding), apply this product using only ground application equipment fitted with drop nozzles aligned to avoid spraying in the whorls of the sweet corn plants. Avoid spraying if the crop has reached the reproductive stage. Maximum single in-crop application rate of this product up to 48-inch sweet corn is 44 fluid ounces per acre. Total in-crop application of this product from emergence through 48 inches in height must not exceed 4.1 quarts (132 fluid ounces) per acre per growing season.

When applied as directed, this product will control annual grasses and broadleaf weeds listed on this label. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product. Apply 16 to 22 fluid ounces of this product per acre before weeds exceed 4 inches in height or before they become competitive with the crop. If new flushes of weeds occur, a sequential application of 16 to 22 fluid ounces per acre may be made before weeds exceed 4 inches in height.

TANK MIXTURES: This product may be tank-mixed with the following products. Ensure that the product used is labeled for application postemerence.

(in-crop) to sweet corn. Read and follow label directions for all products in the tank mixture.

attrazine; carfentrazone-ethyl; foramsulfuron; tembotrione; topramezone

Attrax II., Attrax Nina, O. Aim F.C. Aim F.W. Attrazine, Al., Attrazine, 90 D.F.

AAtrex Al; AAtrex Nine-O; Aim EC; Aim EW; Atrazine 4L; Atrazine 90 DF; Callisto; Callisto Xtra; Impact; Laudis

RESTRICTIONS: Allow a minimum of 10 days between in-crop applications of this product. Do not apply atrazine in a tank-mix with this product when

sweet corn plants are greater than 12 inches tall. Allow a minimum of 30 days between application of this product and harvest of sweet corn forage or grain.

12.7 Roundup Ready Cotton

TYPES OF APPLICATION: Preplant: At-Planting: Preemergence: Postemergence

(In-crop); Selective Equipment (In-crop); Preharvest
USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready cotton.

rates of this product with Roundup Ready cotton.		
Maximum Application Rates		
Combined total per year for all applications	5.3 quarts per acre	
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre	
Total for all In-crop applications from cracking to layby	2.5 quarts per acre	
Maximum Preharvest application rate	44 fluid ounces per acre	
Combined total for all In-crop applications from emergence through harvest	4 quarts per acre	

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with 2,4-D or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to the emergence of cotton. Read and follow label directions for all products in the tank mixture.

acetochlor: clomazone: diuron: flumioxazin: fluometuron: fomesafen: metolachlor: s-metolachlor: norflurazon: pendimethalin: prometyrn: pyrithiobac-sodium: saflufenacil

Caparol 4L: Command 3ME: Cotoran 4L: Cotton Pro: Dawn: Direx 4L: Dual MAGNUM: Dual II MAGNUM: Karmex DF: Prowl 3.3 EC: Prowl H2O: Reflex: Rowel: Sharpen Powered by Kixor: Stalwart: Staple LX: Valor SX: Warrant: Warrant Ultra

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied over the top of Roundup Ready cotton (in-crop) at rates of up to 22 fluid ounces per acre per application from cracking until the 4-leaf (node) stage of development (until the fifth true leaf reaches the size of a quarter). NO MORE THAN TWO

OVER-THE-TOP BROADCAST APPLICATIONS MAY BE MADE FROM CROP EMERGENCE THROUGH THE 4-LEAF (NODE) STAGE OF DEVELOPMENT. SEQUENTIAL OVER-THE-TOP OR POST-DIRECTED APPLICATIONS OF THIS PRODUCT IN-CROP MUST BE A MINIMUM OF 10 DAYS APART AND COTTON MUST HAVE AT LEAST TWO NODES OF INCREMENTAL GROWTH BETWEEN APPLICATIONS. Over-the-top application made after the 4-leaf (node) stage

of development could result in boll loss, delayed maturity and/or yield loss.

TANK MIXTURES: This product may be tank-mixed with the following products and applied over the top of Roundup Ready cotton up to the 4-leaf stage. Ensure that the product used is labeled for application postemergence (in-crop) to cotton. Read and follow label directions for all products in the tank mixture. acetochlor: clethodim: fluazifop-P-butyl: fomesafen: metolachlor: s-metolachlor: monosodium acid methanearsonate: pyrithiobac-sodium: quizalofop-P-ethyl, sethoxydim; trifloxysulfuron-sodium

Assure II: Dual MAGNUM: Dual II MAGNUM: Envoke: Fusilade DX: MSMA 6 Plus; MSMA 6.6; Poast; Poast Plus; Reflex; Select; Select 2 EC; Select Max Herbicide with Inside Technology: Stalwart: Staple LX: Warrant: Warrant Ultra

Staple LX could cause leaf vellowing and/or leaf crinkling when applied postemergence (in-crop) to Roundup Ready cotton.

Dual MAGNUM, Dual II MAGNUM and Stalwart applied over the top of Roundup Ready cotton could cause leaf injury in the form of necrotic spotting.

Salvage Treatment — may be made after the 4-leaf stage of development and only when weeds threaten to cause the loss of the crop. Apply 22 fluid bunces of this product per acre either as an over-the-top application or as a post-directed application sprayed higher on the cotton plants and onto the

IN THE STATE OF ARIZONA ONLY, up to 32 fluid ounces of this product may be applied per acre either as an over-the-top application or a post-directed application for salvage treatment.

NOTE: SALVAGE TREATMENT WILL RESULT IN SIGNIFICANT BOLL LOSS. DELAYED MATURITY AND/OR YIELD LOSS, NO MORE THAN ONE SALVAGE TREATMENT MAY BE MADE PER GROWING SEASON

RESTRICTIONS: Maximum quantity of this product that may be applied for all in-crop applications from cracking to layby combined is 2.5 quarts per acre per season. Allow a minimum of 7 days between application and harvest of cotton, DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT (OTHER THAN THOSE CONTAINED IN ANY TANK-MIX PRODUCT) FOR OVER-THE-TOP APPLICATION TO ROUNDUP READY

#### Selective Equipment (In-crop)

USE INSTRUCTIONS: This product may be applied using precision post-directed or hooded sprayers at rates of up to 22 fluid ounces per acre ber application to Roundup Ready cotton through layby. At this crop stage. use post-directed application equipment to direct the spray towards the base of the cotton plants, avoiding contact of the herbicide spray with the leaves of the plant. To minimize contact, maintain a low spray pressure (less than 30 pounds per square inch) and place nozzles in a low position directing a horizontal spray pattern under the leaves of the cotton plant and onto the weeds in the row. For enhanced results, apply this product while weeds are small (less than 3 inches in height). See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

TANK MIXTURES: This product may be tank-mixed with the following products. for in-crop application using precision post-directed or hooded sprayers. Ensure that the product used is labeled for application postemergence (in-crop) to cotton. Read and follow label directions for all products in the tank mixture

acetcohlor: carfentrazone-ethyl: diuron: flumioxazin: fluometuron: fomesafen: linuron: metolachlor: monosodium acid methanearsonate: pendimethalin; prometyrn; pyrithiobac-sodium; trifloxysulfuron-sodium

Aim EC; Aim EW; Caparol 4L; Cotoran 4L; Direx 4L; Envoke; Layby-Pro; MSMA 6 Plus: MSMA 6.6: Prowl 3.3 EC: Prowl H20: Rowel: Staple LX: Valor SX, Warrant: Warrant Ultra

Staple LX could cause leaf vellowing and/or leaf crinkling when applied postemergence (in-crop) to Roundup Ready cotton.

RESTRICTIONS: Maximum quantity of this product that may be applied for all in-crop applications from cracking to layby combined is 2.5 quarts per acre per season. Allow a minimum of 7 days between application and harvest of cotton. NO MORE THAN TWO APPLICATIONS OF THIS PRODUCT MAY BE MADE FROM THE 5-LEAF STAGE THROUGH LAYBY. SEQUENTIAL OVER-THE-TOP OR POST-DIRECTED IN-CROP APPLICATIONS OF THIS PRODUCT MUST BE A MINIMUM OF 10 DAYS APART AND COTTON MUST HAVE AT LEAST TWO NODES OF INCREMENTAL GROWTH BETWEEN APPLICATIONS.

USE INSTRUCTIONS: Up to 44 fluid ounces of this product per acre may be applied for annual and perennial weed control prior to crop harvest after 20 percent boll crack.

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

PRECAUTIONS: Do not apply this product for preharvest weed control to cotton grown for seed, as a reduction in germination or vigor could occur. Buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on Roundup Ready cotton grown for seed. RESTRICTIONS: Allow a minimum of 7 days between application and harvest

of cotton. DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING

SURFACTANT TO THIS PRODUCT FOR PREHARVEST APPLICATION TO ROUNDUP READY COTTON. ATTENTION: USE OF THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS IS EXPECTED TO RESULT IN NORMAL GROWTH OF ROUNDUP READY 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 ACCORDANCE WITH THE LABEL DIRECTIONS. IN SOME CASES, THESE FACTORS CAN RESULT IN BOLL LOSS, DELAYED MATURITY AND/OR YIELD LOSS.

#### Roundup Ready Flex Cotton **12**.8

The directions for use of this product provided in this section are specific to and may only be used with varieties designated as Roundup Ready Flex cotton. Applications described in this section made over the top of cotton other than Roundup Ready Flex cotton will cause crop injury and reduced yields. DO NOT combine the directions for use in this section with those in the "Roundup Ready Cotton" section of this label, or with any other directions for use on Roundup Ready cotton or Roundup Ready Flex cotton on labeling for this or any other glyphosate-containing product. Drift of this product from an application made to Roundup Ready Flex cotton onto adjacent fields of post 4-leaf (node) Roundup Ready cotton could cause extensive crop injury, including boll loss, delayed maturity and/or yield loss.

TYPES OF APPLICATION: Preplant: At-Planting: Preemergence: Postemergence (In-crop): Preharvest

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready Flex cotton.

**Maximum Application Rates** Combined total per year for all applications 5.3 quarts per acre Total for all Preplant, At-Planting, 3.3 quarts per acre Preemergence applications Total for all In-crop applications from 4.0 quarts per acre cracking to 60 percent open bolls

Total for all In-crop applications between 44 fluid ounces per acre layby and 60 percent open bolls Total for all in-crop applications from 60 44 fluid ounces per acre percent open bolls to 7 days prior to harvest Total for all In-crop applications from 4 quarts per acre emergence through harvest See the "ROUNDUP READY CROPS" section of this label for information

regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting Roundup Ready Flex cotton. TANK MIXTURES: This product may be tank-mixed with 2,4-D or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of cotton. Read and follow label directions for all products in the tank mixture.

acetochlor; clomazone; diuron; flumioxan; fluometuron; fomesafen; metolachlor; s-metolachlor; norflurozon; pendimethalin; prometyrn; pyrithiobac-sodium: saflufenacil

Caparol 4L: Command 3ME: Cotoran 4L: Cotton Pro: Dawn 4L: Direx: Dual MAGNUM: Dual II MAGNUM: Karmex DF: Prowl 3.3 EC: Prowl H2O: Reflex: Rowel: Sharpen Powered by Kixor: Stalwart: Staple LX: Valor SX: Warrant: Warrant Ultra

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

# Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied to control annual grasses and broadleaf weeds listed on this label in Roundup Ready Flex cotton. To maximize vield potential, eliminate competing weeds early. Many perennial weeds will be controlled or suppressed with one or more applications of this product Use an initial application rate of 22 fluid ounces per acre to control or suppress 1 to 3 inch tall annual grasses and broadleaf weeds. This product may be applied postemergence to Roundup Ready Flex cotton using ground application equipment at rates up to 32 fluid ounces per acre per application. In addition to broadcast application, post-directed spray equipment may be used to achieve more thorough weed coverage

ONLY, up to 44 fluid ounces of this product per acre may be applied per postemergence application using ground application equipment. TANK MIXTURES: This product may be tank-mixed with the following products and applied postemergence (in-crop) over the top of Roundup Ready Flex

IN THE STATES OF ARIZONA, NEW MEXICO AND TEXAS (WEST OF 1-35)

acetochlor; clethodim; fluazifop-P-butyl; fomesafen; metolachlor; s-metolachlor: monosodium acid methanearsonate: pvrithiobac-sodium: quizalofop-p-ethyl; sethoxydim; trifloxysulfuron-sodium

Assure II; Dual MAGNUM; Dual II MAGNUM; Envoke; Fusilade DX; MSMA 6 Plus; MSMA 6.6; Poast; Poast Plus; Reflex; Select; Select 2 EC; Select

Max Herbicide with Inside Technology; Stalwart; Staple LX; Warrant; Warrant Ultra Staple LX could cause leaf yellowing and/or leaf crinkling when applied

postemergence (in-crop) in Roundup Ready Flex cotton. Dual MAGNUM, Dual II MAGNUM and Stalwart applied over the top of

application using precision post-directed or hooded sprayers.

Roundup Ready Flex cotton could cause leaf injury in the form of necrotic spotting. This product may be tank-mixed with the following products for in-crop

acetochlor: carfentrazone-ethyl: diuron: flumioxazin: fluometuron: fomesafen: linuron: metolachlor: monosodium acid methanearsonate:

pendimethalin; prometyrn; pyrithiobac-sodium; trifloxysulfuron-sodium Aim EC: Aim EW: Caparol 4L: Cotoran 4L: Direx 4L: Envoke: Layby-Pro: MSMA 6 Plus: MSMA 6.6: Prowl 3.3 EC: Prowl H20: Rowel: Staple LX: Valor SX: Warrant: Warrant Ultra

Staple LX could cause leaf yellowing and/or leaf crinkling when applied

postemergence (in-crop) in Roundup Ready Flex cotton. Ensure that the product used is labeled for application postemergence (in-crop) to cotton. Read and follow label directions for all products in the

RESTRICTIONS: The maximum single, in-crop application rate of this product to Roundup Ready Flex cotton using ground application equipment is 32 fluid bunces per acre, except in Arizona, New Mexico and west Texas (west of 1-35 only), where up to 44 fluid ounces per acre may be applied in a single application using ground application equipment. In-crop application rates above 22 fluid ounces per acre made alone or with the addition of other crop chemical products containing surfactant could cause a crop response including leaf speckling or leaf necrosis. Do not exceed a maximum single, in-crop application rate of 22 fluid ounces of this product per acre when using aerial application equipment, except in Arizona, New Mexico and west Texas (west of I-35 only), where up to 32 fluid ounces may be applied as a single application using aerial application equipment. Between layby and 60 percent open bolls, the maximum combined total application

bolls must not exceed 4.0 quarts per acre. DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR OVER-THE-TOP APPLICATION TO ROUNDUP READY FLEX COTTON.

rate of this product is 44 fluid ounces per acre. The combined total for all

applications of this product made from crop emergence to 60 percent open

#### Preharvest

tank mixture

USE INSTRUCTIONS: Up to 44 fluid ounces of this product per acre may be applied to Roundup Ready Flex cotton for annual and perennial weed control prior to harvest after 60 percent boll crack.

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

RESTRICTIONS: Allow a minimum of 7 days between application and harvest of Roundup Ready Flex cotton, DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR PREHARVEST. APPLICATION TO ROUNDUP READY FLEX COTTON.

**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 ACCORDANCE WITH THE LABEL DIRECTIONS, IN SOME CASES, THESE FACTORS CAN RESULT IN BOLL LOSS. DELAYED MATURITY AND/OR YIELD LOSS.

#### Roundup Ready Soybean **12**.9

TYPES OF APPLICATION: Preplant: At-Planting: Preemergence: Postemergence (In-crop): Preharvest: Post-Harvest

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready soybean.

Maximum Application Rates		
Combined total per year for all applications	5.3 quarts per acre	
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre	
Total for all In-crop applications from cracking through flowering (R2 stage soybean)	64 fluid ounces per acre	
Maximum Preharvest application rate	22 fluid ounces per acre	

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with 2.4-D. Banvel or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of soybean. Read and follow label directions for all products in the tank mixture.

acetochlor: carfentrazone-ethyl: chlorimuron ethyl: clethodim: clomazone: cloransulam-methyl: dimethenamid: dimethenamid-p: fenoxaprop-p-ethyl: fluazifop-p-butyl; flufenacet; flumetsulam; flumiclorac pentyl ester; flumioxazin: fomesafen: fluthiacet-methyl: imazaguin: imazethapyr: lactofen; linuron; metolachlor; s-metolachlor; metribuzin; pendimethalin; pyroxasulfone: quizalofop-P-ethyl; saflufenacil; sulfentrazone; tribenuron

Aim EC; Aim EW; Assure II; Authority Assist; Authority Elite; Authority First DF: Authority MAXX: Authority MTZ DF: Authority XL: Axiom DF: Blanket 4F; Boundary 6.5 EC; Cadet; Canopy; Canopy Blend; Canopy EX; Classic; Cobra: Command 3ME: Dawn: Dual MAGNUM: Dual II MAGNUM: Fierce: Fierce XLT: FirstRate: Flexstar: Fusion: Linex 4L: Lorox DF: Me-Too-Lachlor: Optill Powered by Kixor; Outlook; Phoenix; Prowl 3.3EC; Prowl H2O; Pursuit; Python WDG: Reflex: Resource: Rhythm: Rowel: Rowel FX: Select: Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor; Spartan 4F: Treflan 4L: Treflan 4 EC: TriCor 4F: TriCor DF: Valor SX: Valor XLT: Warrant: Warrant Ultra: Zidua Aim EC; Aim EW; Assure II; Authority Assist; Authority Elite; Authority First

DF: Authority MAXX: Authority MTZ DF: Authority XL: Axiom DF: Blanket

4F; Boundary 6.5 EC; Cadet; Canopy; Canopy Blend; Canopy EX; Classic;

Cobra: Command 3ME: Dawn: Dual MAGNUM: Dual II MAGNUM: Fierce: Fierce XLT; FirstRate; Flexstar; Fusion; Linex 4L; Lorox DF; Me-Too-Lachlor; Optill Powered by Kixor; Outlook; Phoenix; Prowl 3.3EC; Prowl H2O; Pursuit; Python WDG; Reflex; Resource; Rhythm; Rowel; Rowel FX; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor; Spartan 4F; Treflan 4L; Treflan 4 EC; TriCor 4F; TriCor DF; Valor SX; Valor XLT: Warrant: Warrant Ultra: 7idua: acetochlor: carfentrazoneethyl: chlorimuron ethyl; clethodim; clomazone; cloransulam-methyl; dimethenamid; dimethenamid-p; fenoxaprop-p-ethyl; fluazifop-p-butyl; flufenacet; flumetsulam; flumiclorac pentyl ester; flumioxazin; fomesafen; fluthiacet-methyl; imazaquin; imazethapyr; lactofen; linuron; metolachlor; s-metolachlor; metribuzin; pendimethalin; quizalofop-P-ethyl; saflufenacil;

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

USE INSTRUCTIONS: This product may be used to control annual grasses

#### Postemergence (In-crop)

sulfentrazone; tribenuron methyl; trifluralin

and broadleaf weeds in Roundup Ready soybean from emergence (cracking) through flowering (R2 stage soybean). R2 stage soybean ends when a pod 5 millimeters (3/16 inch) long appears at one of the four uppermost nodes on the main stem with a fully developed leaf (R3 stage). Refer to the "ANNUAL WEEDS RATE SECTION" of this label for application rates for specific annual weeds. An initial application of 22 fluid ounces of this product per acre will control or suppress most 2- to 8-inch tall weeds, which are normally found approximately 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 applied up to 44 fluid ounces per acre as a single, in-crop application for control of annual weeds and where dense weed populations exist.

Application of 22 to 44 fluid ounces of this product per acre (single or multiple applications) 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 enhanced results, allow perennial weed species to achieve at least 6 inches of growth before applying this product.

Under adverse growing conditions, including drought, hail or wind damage. or a poor soybean stand that slows or delays canopy closure, a sequential application of this product might be necessary to control late flushes of weeds. IN THE SOUTHERN STATES. A SEQUENTIAL APPLICATION OF THIS PRODUCT

WILL BE NEEDED TO CONTROL NEW FLUSHES OF WEEDS IN THE ROUNDUP. READY SOYBEAN CROP. To control giant ragweed, apply 22 fluid ounces of this product per acre when the weed is 8 to 12 inches tall to increase control and possibly avoid the need for a sequential application.

TANK MIXTURES: This product may be tank-mixed with the following products and applied postemergence (in-crop) over the top of Roundup Ready soybean. Ensure that the product used is labeled for application postemergence (in-crop) to soybean. Read and follow label directions for all products in the tank mixture: acetochlor: acifluorfen: bentazon: chlorimuron ethyl: clethodim: cloransulam-methyl; fenoxaprop-P-ethyl; fluazifop-p-butyl; flumiclorac

pentyl ester: fluthiacet-methyl: fomesafen: imazamox: imazethapyr: lactofen: pendimethalin; quizalofop P-ethyl; sethoxydim; thifensulfuron-methyl Arrow 2FC: Assure II: Basagran: Basagran 51: Cadet: Classic: Cobra: Dawn: Extreme: FirstRate: Flexstar: Fusilade DX: Fusion: Harmony SG: Phoenix: Poast: Poast Plus: Pursuit: Raptor: Reflex: Resource: Rhythm: Select: Select 2 EC: Select Max Herbicide with Inside Technology: Synchrony XP: Targa: Ultra Blazer: Warrant: Warrant Ultra

PRECAUTIONS: In some cases, these tank-mix products will cause visual sovbean injury.

RESTRICTIONS: The combined total application of this product from crop emergence through harvest must not exceed 64 fluid ounces per acre. The maximum rate for any single in-crop application is 44 fluid ounces per acre. The maximum combined total amount of this product that may be applied during flowering (R2 stage sovbean) is 44 fluid ounces per acre. Preharvest

USE INSTRUCTIONS: Apply up to 22 fluid ounces of this product per acre to Roundup Ready soybean for weed control prior to harvest after pods have set and lost all green color. Take care to avoid excessive seed shatter loss due to ground application equipment. RESTRICTIONS: Allow a minimum of 14 days between application and harvest

of soybean grain or feeding of soybean grain, forage or hay.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of Roundup Ready soybean. Higher rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for weed control application after harvest of soybean. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label. 12.10 Roundup Ready 2 Yield Soybean

# TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence

(In-crop): Preharvest: Post-Harvest

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready 2 Yield soybean.

Maximum Application R	ates
Combined total per year for all applications	5.3 quarts per acre
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre
Total for all In-crop applications from cracking through flowering (R2 stage soybean)	64 fluid ounces per acre
Maximum Preharvest application rate	22 fluid ounces per acre

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting Roundup Ready 2 Yield soybean.

TANK MIXTURES: This product may be tank-mixed with 2,4-D, Banvel or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of soybean. Read and follow label directions for all products in the tank mixture.

Aim EC: Aim EW: Assure II: Authority Assist: Authority Elite: Authority First DF: Authority MAXX: Authority MTZ DF: Authority XL: Axiom DF: Blanket 4F; Boundary 6.5 EC; Cadet; Canopy; Canopy Blend; Canopy EX; Classic; Cobra; Command 3ME; Dawn; Dual MAGNUM; Dual II MAGNUM; Fierce: Fierce XLT: FirstRate: Flexstar: Fusion: Linex 4L: Lorox DF: Me-Too-Lachlor: Optill Powered by Kixor: Outlook: Phoenix: Prowl 3.3 EC: Prowl H20: Pursuit: Python WDG: Reflex: Resource: Rhythm: Rowel: Rowel FX; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor: Spartan 4F: Treflan 4L: Treflan 4 EC: TriCor 4F:

TriCor DF; Valor SX; Valor XLT; Warrant; Warrant Ultra; Zidua RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be used to control annual grasses and broadleaf weeds in Roundup Ready 2 Yield soybean from emergence (cracking) through flowering (R2 stage soybean), R2 stage soybean ends when a pod 5 millimeters (3/16 inch) long appears at one of the four uppermost nodes on the main stem with a fully developed leaf (R3 stage). Refer to the "ANNUAL WEEDS RATE SECTION" of this label for application rates for specific annual weeds. An initial application of 22 fluid ounces of this product per acre will control or suppress most 2- to 8-inch tall weeds, which are normally found approximately 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 applied up to 44 fluid ounces per acre as a single, in-crop application for control of annual weeds and where dense weed

Application of 22 to 44 fluid ounce of this product per acre (single or multiple applications) 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 enhanced results, allow perennial weed species to achieve at least 6 inches of growth before applying this product.

Under adverse growing conditions, including drought, hail or wind damage, or a poor soybean stand that slows or delays canopy closure, a sequential application of this product might be necessary to control late flushes of weeds. IN THE SOUTHERN STATES, A SEQUENTIAL APPLICATION OF THIS PRODUCT WILL BE NEEDED TO CONTROL NEW FLUSHES OF WEEDS IN THE ROUNDUP READY 2 YIELD SOYBEAN CROP. To control giant ragweed, apply 22 fluid ounces of this product per acre when the weed is 8 to 12 inches tall to increase control and possibly avoid the need for a sequential application.

TANK MIXTURES: This product may be tank-mixed with the following products and applied postemergence (in-crop) over the top of Roundup Ready 2 Yield soybean. Ensure that the product used is labeled for application postemergence (in-crop) to soybean. Read and follow label directions for all products in the tank mixture.

acetochlor; acifluorfen; bentazon; chlorimuron ethyl; clethodim; cloransulam-methyl: fenoxaprop-p-ethyl: fluazifop-p-butyl: flumiclorac pentyl ester; fluthiacet-methyl; fomesafen; imazamox; imazethapyr; lactofen; pendimethalin; quizalofop P-ethyl; sethoxydim; thifensulfuron-methyl

Arrow 2EC; Assure II; Basagran; Basagran 5L; Cadet; Classic; Cobra; Dawn; Extreme; FirstRate; Flexstar; Fusilade DX; Fusion; Harmony SG; Phoenix: Poast: Poast Plus: Pursuit: Raptor: Reflex: Resource: Rhythm: Select; Select 2 EC; Select Max Herbicide with Inside Technology; Synchrony XP: Targa: Ultra Blazer: Warrant: Warrant Ultra

PRECAUTIONS: In some cases, these tank-mix products will cause visual soybean injury.

RESTRICTIONS: The combined total application of this product from crop emergence through harvest must not exceed 64 fluid ounces per acre. The maximum rate for any single in-crop application is 44 fluid ounces per acre. The maximum combined total amount of this product that may be applied during flowering (R2 stage soybean) is 44 fluid ounces per acre.

#### Preharvest

USE INSTRUCTIONS: Up to 22 fluid ounces of this product per acre may be applied to Roundup Ready 2 Yield soybean for weed control prior to harvest after pods have set and lost all green color. Take care to avoid excessive seed shatter loss due to ground application equipment.

RESTRICTIONS: Allow a minimum of 14 days between application and harvest of soybean grain or feeding of soybean grain, forage or hay.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of Roundup Ready 2 Yield soybean. Higher rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2.4-D or dicamba may be used. Ensure that the product used is labeled for weed control application after harvest of sovbean. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Application of this product must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

#### **12**.11 Roundup Ready Sugarbeet

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop) USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready sugarbeet.

Table of this product man roundly rough ougaroot.				
Maximum Application	ı Rates			
Combined total per year for all applications	5.3 quarts per acre			
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre			
Maximum single application rate from emergence to 8-leaf stage	32 fluid ounces per acre			
Total for all applications made from emergence to 8-leaf stage	56 fluid ounces per acre			
Maximum single application rate between 8-leaf stage and canopy closure	22 fluid ounces per acre			
Total for all applications made between 8-leaf stage and canopy closure	44 fluid ounces per acre			

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of sugarbeet. Read and follow label directions for all products in the tank mixture.

ethofumesate

Norton SC

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied over the top of Roundup Ready sugarbeet for control of annual grasses and broadleaf weeds from emergence to 30 days prior to harvest. To maximize yield potential, eliminate competing weeds early. Up to 4 applications of this product may be made with a minimum of 10 days between each application. This product will control or suppress most perennial weeds. For some perennial weeds, more than one application might be needed to eliminate crop competition throughout the growing season. Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds.

TANK MIXTURES: This product may be tank-mixed with the following products and applied postemergence (in-crop) over the top of Roundup Ready sugarbeet. Ensure that the product used is labeled for application postemergence (in-crop) to sugarbeet. Read and follow label directions for all products in the tank mixture.

clethodim; clopyralid; desmedipham; dimethenamid-P; ethofumesate; s-metolachlor; phenmedipham; quizalofop-p-ethyl; triflusulfuron methyl

Assure II; Betamix; Betanex; Dual MAGNUM; Dual II MAGNUM; Norton SC; Outlook; Progress; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Stinger; Upbeet, Warrant

Betamix, Betanex, Norton SC and Progress can cause significant sugarbeet

injury. Refer to these product labels for crop injury precautions. RESTRICTIONS: The combined total application of this product from crop emergence through harvest must not exceed 100 fluid ounces per acre. The

stage is 32 fluid ounces per acre. The maximum rate for any single application between the 8-leaf stage and canopy closure is 22 fluid ounces per acre. Allow a minimum of 30 days between application and sugarbeet harvest.

maximum rate for any single application from crop emergence until the 8-leaf

#### 13.0 FARMSTEAD USE

TYPES OF USES: Farmstead Weed Control: Trim-and-Edge: Greenhouse/Shadehouse Chemical Mowing: Cut Stump Application: Habitat Management

USE INSTRUCTIONS: Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds. When applied as directed, this product will control those annual and perennial grasses and broadleaf weeds. Application rates of this product specified in the following sections, or on separate supplemental labeling or Fact Sheets published for this product, for hard-to-control weeds supersede rates in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL" WEEDS RATE SECTION" of this label.

#### Farmstead Weed Control. Trim-and-Edge 13.1

USE INSTRUCTIONS: This product may be used to control annual and perennial weeds, woody brush, trees and vines found on any part of the farmstead including around building foundations and equipment storage areas, along and in fences, in dry ditches and canals, along ditch banks, driveways, farm roads. farmyards, fencerows, parking areas, rangeland, rights-of-way, shelterbelts storage areas and prior to planting landscape ornamentals. TANK MIXTURES: This product may be tank-mixed with the following products:

provided that the product used is labeled for these sites and uses. Refer to each individual product label for approved sites and application rates. Read and follow label directions for all products in the tank mixture. 2.4-D; bromacil; chlorosulfuron; dicamba; diuron; imazapic; imazapyr;

metsulfuron-methyl; oryzalin; oxadiazon; pendimethalin; prodiamine; simazine: sulfometuron-methyl

Arsenal; Banvel; Banvel 480; Barricade 4L; Barricade 65WG; Clarity; Diuron 4L: Endurance: Escort XP: Karmex DF: Krovar I DF: Oust XP: Pendulum 3.3 EC; Pendulum 2G; Pendulum Aqua Cap; Plateau; Princep 4L; Princep Caliber 90; Princep Liquid; Ronstar 50 WSP; Ronstar Flo; Ronstar G: Sahara DG: Simazine 4L: Simazine 4L Flowable: Simazine 90DF: Simazine 90 WDG: Surflan AS Agricultural: Surflan AS Specialty: Surflan Flex: Surflan Flex T&O: Surflan XL 2G: Telar XP: Vanguish

For annual weeds, apply 22 fluid ounces of this product per acre when weeds are less than 6 inches tall, 32 fluid ounces when weeds are 6 to 12 inches tall, and 44 fluid ounces when weeds are greater than 12 inches tall. For perennial weeds, apply 44 fluid ounces to 3.3 quarts per acre in a tank-mix with one of the products listed here. For application of tank mixtures using a backpack sprayer, handgun or other handheld applicator, see the "ANNUAL" WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for the required concentration of this product in the mix.

#### 13.2 Greenhouse/Shadehouse

USE INSTRUCTIONS: This product may be used to control weeds in and around greenhouses and shadehouses.

PRECAUTIONS: Remove desirable vegetation before applying this product inside a greenhouse or shadehouse.

RESTRICTIONS: Turn air circulation fans off before applying this product inside a greenhouse or shadehouse and until the application solution has dried. Do not use inside residential greenhouses.

#### 13.3 **Chemical Mowing**

USE INSTRUCTIONS: This product may be used to suppress growth of perennial grasses listed in this section along farm ditches and on any other part of the farmstead to serve as a substitute for mowing. Apply 4 fluid ounces of this product per acre to suppress Kentucky bluegrass, tall fescue, find fescue, orchardgrass, bahiagrass or quackgrass covers, 11 fluid ounces to suppress bermudagrass, or 44 fluid ounces to suppress torpedograss or para grass. Make all applications in 10 to 20 gallons of spray solution per acre.

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

#### 13.4 **Cut Stump Application**

TYPES OF USES: Treating brush and tree stumps on any terrestrial site

USE INSTRUCTIONS: This product may be used to control re-growth and re-sprouting of many species of woody brush and trees. Cut the woody brush or tree close to the soil surface and immediately apply a 50- to 100-percent (undiluted) solution of this product to the freshly cut surface using application equipment capable of covering the entire cambium. A delay in application could result in reduced performance. For enhanced results, cut the woody brush or tree during period of active growth and full leaf expansion and apply this product. Some of the species controlled by this method of application of this product are:

Alder Penner, Brazilian Sweetgum Pine. Austrian Tan oak Eucalyptus Madrone Reed, giant Willow Oak Saltcedar

PRECAUTIONS: Do not make a cut stump application when the roots of desirable woody brush or trees might be grafted to the roots of the cut stump. Some sprouts, stems, or trees can share a common root system, Adjacent trees having a similar age, height and spacing could be an indicator of a shared root system. Whether grafted or shared, injury is likely to occur to adjacent stems or trees when this product is applied to one or more trees sharing a common root system.

#### **Habitat Management** 13.5

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. Application may be made to allow recovery of native plant species or prior to planting desirable native species, and for similar broad-spectrum vegetation control in habitat management areas. Snot treatment may be used to selectively remove unwanted plants for habitat maintenance and enhancement.

#### Wildlife Food Plots

USE INSTRUCTIONS: This product may be used to eliminate 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 a minimum of 7 days after application before tilling.

RESTRICTIONS: There are no rotational restrictions for planting any wildlife food species or for allowing native species to repopulate the area following application of this product.

#### ANNUAL WEEDS RATE SECTION 14.0

When water carrier volumes are between 16 and 40 gallons per acre for ground application, and between 6 and 15 gallons per acre for aerial application, the following use rates will control the annual weeds listed in the "ANNUAL WEEDS RATE TABLE" that follows

- 22 fluid ounces per acre grass and broadleaf annual weeds less than 6 inches in height or circumference, and vines less than 3 inches in length.
- 32 fluid ounces per acre grass and broadleaf annual weeds 6 to 12 inches in height or circumference, and vines 3 to 6 inches in length.
- 44 fluid ounces per acre grass and broadleaf annual weeds greater than 12 inches in height or circumference, and vines greater than 6 inches in length. WHEN WATER CARRIER VOLUMES ARE BETWEEN 3 AND 15 GALLONS

PER ACRE FOR GROUND APPLICATION, AND BETWEEN 3 AND 5 GALLONS PER ACRE FOR AERIAL APPLICATION, USE THE RATES SPECIFIED FOR INDIVIDUAL WEEDS INDICATED IN THE "ANNUAL WEEDS RATE TABLE."

Apply to actively growing annual weeds. New leaf development indicates active growth.

Annual weeds are often easiest to control when they are small. Control of older, mature (hardened) or otherwise hard-to-control annual weed species could require higher application rates than specified in this table, even if they meet the size requirements listed. This product may be applied at rates of up to 44 fluid ounces per acre for hard-to-control annual weeds and where dense weed populations exist. Follow all precautions and restrictions. including maximum application rates and crop stage timings specified in the directions for use on specific crops, including Roundup Ready crops, and use sites listed on this label.

Maximum size refers to the maximum plant height, length of runners for vines. or circumference of rosette plants in inches.

Witchgrass

Yellow rocket

Woolly cupgrass

Do not tank-mix this product with soil residual herbicides when applying at these rates, unless otherwise directed.

For control of annual weeds using a handheld controlled droplet applicator (CDA), apply a 20-percent solution of this product (25 to 26 fluid ounces of this product per gallon of spray solution) at a flow rate of 2 fluid ounces per minute and a walking speed of 1.5 miles per hour (1 quart per acre). When using a vehicle-mounted CDA, apply the required amount of this product, as indicated in the following table, in 2 to 15 gallons of water per acre.

For weeds that have been mowed, grazed or cut, allow re-growth to occur prior to application of this product.

#### ANNUAL WEEDS RATE TABLE

Br				ite
11	16	22	27	32
	mum Hei	ght/Ler	<b>ıgth</b> (in	ches)
3	6	12	-	18
-	2	3	5	8
18	18 +	-	-	-
-	3	6	7	9
-	-	6	-	-
-	5	8	-	-
12	20	-	-	-
10	-	-	-	-
6	-	-	-	-
6	12	-	-	-
6	12	24	-	-
6	8	12	-	24
-	-		-	-
			-	18
	-		_	-
				9
				J
				-
-				
				-
		10	-	36
	10		-	6
-	2	4	-	6
-	6	12	-	18
6	12	20	-	-
	-	-	-	-
			-	-
		-		12
			-	6
	-		-	-
		-	-	-
-		-	-	-
				12
		-		- 12
				-
- 12	6	12	-	-
6	12	-	-	-
-	-	6	-	12
6	20			
	111 Maxi 3 3 - 18 8 12 10 6 6 6 6 6 12 6 6 20 - 12 12 3 12 3 12 3 6 12 3 6 12 3 6 12 3	(fluid ou  11 16  Maximum Hei  3 6 - 2 18 18 + - 3 5 12 20 10 - 6 - 6 12 6 12 6 12 6 8 - 1 - 6 12 20 1 2 12 18 - 2 - 6 6 12 12 18 - 2 - 6 6 12 12 - 3 6 - 12 12 18 - 2 - 6 6 12 12 - 3 6 - 12 12 18 - 2 - 6 6 12 12 - 6 6 12 12 - 6 6 12 13 - 6 6 12 14 - 6 6 12 15 - 6 6 12 16 - 6 6 12	The image of the	Maximum Height/Length (im)           3         6         12         -           -         2         3         5           18         18         +         -           -         3         6         7           -         -         6         -           -         -         6         -           12         20         -         -           6         -         -         -           6         12         -         -           6         12         -         -           6         12         -         -           6         12         -         -           6         12         -         -           6         12         -         -           -         6         12         -           -         6         12         -           -         -         4         -           -         -         4         -           -         -         -         -           -         -         12         -           -         -

	(fluid ounces per acre)					
	11	16	22	27	32	
Weed Species	Maxi	mum He	ight/Len	<b>eth</b> (in	ches)	
Fleabane, hairy* (Conyza bonariensis)	-	-	6	-	10	
Fleabane, rough	3	6	12	-	-	
Florida pusley	-	-	4	-	6	
Foxtail; giant, bristly, yellow	6 10	12	20	-	-	
Foxtail, Carolina Foxtail, green	12	-	-	-	-	
Goatgrass, jointed	6	12		-		
Goosegrass*	-	3	6	-	12	
Grain sorghum (milo)	6	12	20	-	-	
Groundcherry	-	3	6	-	9	
Groundsel; common, cressleaf	-	6	10	-	-	
Hemp sesbania		2	4 6	6	8 12	
Henbit Horseweed/ Marestail*	-			-		
(Conyza canadensis)	-	6	12	-	18	
Itchgrass	6	8	12	-	18	
Jimsonweed	-	-	12	-	18	
Johnsongrass, seedling*	6	12	18	-	24	
Junglerice*	-	3	6	7	9	
Knotweed Kochia*4	-	3 to 6	6 12	-	12	
Lambsquarters		6	12		20	
Little barley	6	12	-	-	-	
London rocket	6	-	24	-	-	
Mayweed	-	2	6	12	18	
Morning glory, annual (Ipomoea spp.)	-	-	3	-	6	
Mustard; blue, tansy, tumble, wild	6	12	18	-	-	
Nightshade; black, hairy	-	4	6	-	12	
0ats	3	6	18	-	-	
Pigweed, Palmer*	-	12	18	24	-	
Pigweed species*	-	12	18	24	-	
Prickly lettuce	-	6	12	-	-	
Purslane	-	-	3	-	6	
Ragweed; common,* giant* Red rice	-	6	12 4	-	18	
Rye, volunteer/cereal <sup>2</sup>	6	18	18 +	-	-	
Ryegrass species*	-	-	6		12	
Sandbur, field	6	12	-	-	- 12	
Sandbur, longspine	6	12	-	-	-	
Shattercane	6	12	20	-	-	
Shepherd's-purse	6	12	-	-	-	
Sicklepod	-	2	4	-	8	
Signalgrass, broadleaf	-	3	6	7	9	
Smartweed, ladysthumb	-	-	6	-	9	
Smartweed, Pennsylvania	-	-	6	-	9	
Sowthistle, annual	-	-	6	-	12 12	
Spanish needles Speedwell, purslane	12	-	-	-	12	
Sprangletop	6	12	20	-	-	
Spurge; prostrate, spotted	-	6	12	-	-	
Spurry, umbrella	6	-	-	-	-	
Stinkgrass	-	12	-	-	-	
Sunflower	12	18	- 10	-	-	
Swinecress Teaweed/ Prickly sida	-	5 2	12 4	-	6	
Texas panicum	6	8	12	-	24	
Thistle, Russian*5	-	6	12	-	-	
Velvetleaf	-	-	6	-	12	
Virginia pepperweed	-	18	-	-	-	
Waterhemp*	-	-	6	-	12	
Wheat <sup>2</sup>	6	12	18	-	- 10	
Wheat (overwintered) Wild oats	3	6	12 18	-	18	
Wild proso millet	-	6	12		18	
With home of		10	14		10	

12

6 12

12

20

**Broadcast Application Rate** 

For control of downy brome in no-till systems, apply 16 fluid ounces of this product per acre.

Performance of this product can be enhanced if application is made before this weed reaches the boot stage of growth.

Apply 16 fluid ounces of this product per acre to control wild buckwheat in the cotyledon to 2-leaf stage. Apply 22 fluid ounces per acre to control 2- to 4-leaf wild buckwheat. For enhanced control of wild buckwheat over 2 inches in size, make sequential applications of 22 fluid ounces followed by 22 fluid ounces of this product per acre.

Do not apply when kochia is in the button stage.

Control of Russian thistle can vary based on environmental conditions and spray coverage. If possible, apply this product in a tank mixture with 2,4-D, as described in the following section, to improve control.

\*A glyphosate-resistant biotype has been confirmed. For additional information, refer to the "WEED RESISTANCE MANAGEMENT" section of this label. You can also visit via the Internet, www.weedscience.org or www.weedresistancemanagement.com, or contact your Bayer CropScience LP representative.

#### Annual Weeds—Tank Mixtures with 141 2.4-D. Dicamba or Tordon 22K

Enhanced control of certain hard-to-control weeds can be achieved by tank-mixing this product with dicamba, 2.4-D, or Tordon 22K, An appropriate rate of these other herbicides combined with the rate of this product specified in the "ANNUAL WEEDS RATE TABLE" will control the following weeds up to the maximum height or length indicated: 6 inches—prickly lettuce. marestail/horseweed, morning glory, kochia (in a tank-mix with dicamba only), wild buckwheat (in a tank-mix with Tordon 22K only): 12 inches—cocklebur. lambsquarters, pigweed, Russian thistle (in a tank-mix with 2.4-D only).

At application rates listed in the "ANNUAL WEEDS RATE SECTION," this product will control the following weeds up to a maximum height or length of 6 inches: common ragweed, giant ragweed, Pennsylvania smartweed, and velvetleaf. For enhanced control of these weeds, apply this product in a tank-mix with 2.4-D.

Ensure that the product used is labeled for application at the desired site. Follow all precautions and limitations on the tank-mix product label. including any application timing restrictions, soil restrictions, minimum re-cropping intervals and/or crop rotation restrictions. Use according to the more restrictive label requirements. Some crop injury could occur if dicamba or Tordon 22K is applied within 45 days of planting.

#### 14.2 Annual Weeds—Handheld Sprayers

For control of weeds listed in the "ANNUAL WEEDS RATE TABLE," apply a 0.4-percent solution of this product to weeds less than 6 inches in height or runner length prior to seedhead formation in grasses or bud formation in broadleaf weeds. For control of annual weeds over 6 inches tall, or unless otherwise directed, use a 0.7-percent solution.

For enhanced results on hard-to-control perennials, such as bermudagrass, dock, field bindweed, hemp dogbane, milkweed and Canada thistle, apply a 1.5-percent solution of this product.

When using application methods that result in less than complete coverage, apply a 4-percent solution of this product for control of annual and perennial weeds, and a 4- to 7-percent solution for control of woody brush, trees and vines.

#### 14.3 Annual Weeds—Tank Mixtures 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

Application of 16 to 20 fluid ounces of this product per acre in a tank mixture with atrazine will provide enhanced control of the following weeds: barnyardgrass (requires 20 fluid ounces of this product per acre for control), downy brome, green foxtail, lambsquarters, prickly lettuce, tansy mustard, pigweed, field sandbur, stinkgrass, Russian thistle, volunteer wheat and witchgrass. For control of kochia, apply 16 to 20 fluid ounces of this product in a tank-mix with atrazine and dicamba. Ensure that the atrazine and dicamba products are labeled for the intended use and application site. Follow all precautions and limitations on the tank-mix product label, including

any application timing restrictions, soil restrictions, minimum re-cropping intervals and/or crop rotation restrictions.

#### PERENNIAL WEEDS RATE SECTION 15.0

Apply this product to actively growing perennial weeds. New leaf development indicates active growth. Enhanced results can be obtained when soil moisture is adequate for active weed growth.

If weeds have been recently mowed or tilled, do not apply this product until plants have resumed active growth and have reached the specified stage of growth or sufficient growth has been achieved to allow for good interception of the spray solution. For enhanced control, do not mow, cut, till, burn or disturb vegetation in the application area for a minimum of 7 days after application.

For control of perennial weeds using a handheld controlled droplet applicator (CDA), apply a 20- to 30-percent solution of this product (25 to 38 fluid ounces per gallon of applicator solution) at a flow rate of 2 fluid ounces per minute and a walking speed of 0.75 mile per hour (2 to 3 quarts per acre). When using a vehicle-mounted CDA, apply the appropriate amount of this product, as indicated in the following rate table, in 2 to 15 gallons of water

This product has no soil activity and does not control emergence of perennial weeds from seed and dormant underground roots, rhizomes or tubers present. in the soil at the time of application. More than one application of this product might be necessary to control weeds regenerating from underground parts or seed, but must be made prior to crop emergence, except where in-crop application is allowed.

Application of this product in the fall must be made before a killing frost. Unless otherwise directed, allow a minimum of 7 days after application before soil tillage.

#### PERENNIAL WEEDS RATE TABLE

Weed Species	Broadcast Rate (quarts/ acre)	Water Volume (gallons/ acre)	Handheld Sprayer Concentration (% solution)
Alfalfa	1 – 1.5	3-10	1.5%

Apply after the last hav cutting in the fall and alfalfa has re-grown to a height of 6 to 8 inches or more. Follow with deep tillage after a minimum of 7 days after application, but before soil freeze-up.

3 - 20For partial control, apply this product when most target plants are in bloom. More than one application will be needed to achieve control.

Anise (fennel) <sup>1</sup>	-	-	1 - 1.5%
Bahiagrass <sup>2</sup>	2 - 3.3	3 - 20	1.5%
Bentgrass	1	10 - 20	1.5%
For suppression in grass seed pro-	oduction areas u	sing ground appl	lication equipment

only. Ensure entire crown area has resumed growth prior to application in the fall. Ensure that bentgrass has at least 3 inches of growth before application. Avoid tillage prior to application. Tillage 7 to 10 days after application provides enhanced results

Bermudagrass 2 - 3.33 - 20For control, apply 3.3 quarts of this product per acre when bermudagrass is actively

growing and seedheads are present. More than one application might be necessary to achieve control. For partial control, apply 64 fluid ounces per acre.

Bermudagrass, water 0.7 - 15 - 101.5% (knotgrass)

Apply 32 fluid ounces of this product in 5 to 10 gallons of water per acre when water bermudagrass is 12 to 18 inches in length. Allow a minimum of 7 days after application before tilling, flushing or flooding the field.

For fall application, till fallow fields and apply 22 fluid ounces of this product in 5 to 10 gallons of water per acre prior to frost and when water bermudagrass is 12 to 18 inches in length.

This product is not registered in the State of California for control of water bermudagrass

Bindweed, field 1.5%

#### **Broadcast** Water Volume Rate Concentration (nuarts/ (gallons/ Weed Species acre) acre) (% solution)

Do not apply this product when field bindweed is under drought stress, as good soil moisture is necessary for active growth and efficacy of this product.

Handheld

Sprayer

For control, apply 2.5 to 3.3 quarts of this product per acre west of the Mississippi River and 2 to 2.5 quarts per acre east of the Mississippi River when bindweed is at or beyond full bloom. For enhanced results, apply in late-summer or fall. Fall application must be made before a killing frost.

Also for control, apply 44 fluid ounces of this product plus an appropriate rate of dicamba in 10 to 20 gallons of water per acre. Do not apply this mixture using aerial application equipment.

For suppression of field bindweed on irrigated agricultural land, apply 22 to 44 fluid ounces of this product plus an appropriate rate of 2.4-D in 10 to 20 gallons of water per acre using ground application equipment only. Application may be made following harvest or on fallow ground in the fall when bindweed is actively growing and the majority of runners are 12 inches or more in length. Irrigate at least once to promote active bindweed growth.

For suppression, apply 11 fluid ounces of this product plus a rate of 2.4-D that will provide suppression of field bindweed in 3 to 10 gallons of water per acre using ground application equipment, or in 3 to 5 gallons of water per acre using aerial application equipment. Application of this tank-mix using aerial equipment is only allowed on fallow fields and in reduced tillage systems. Delay application until maximum emergence has occurred and vines are 6 to 18 inches in length.

In California only, apply 22 fluid ounces to 3.3 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 22 fluid ounces of this product in 3 to 10 gallons of water per acre to bindweed that has reached a length of 12 inches or greater. Allow maximum weed emergence and runner growth before applying this product. Allow a minimum of 3 days after application before tillage.

Bluegrass, Kentucky 0.7 - 1.53 - 40Apply 44 fluid ounces of this product in 10 to 40 gallons of water per acre when most plants have reached the boot to early-seedhead stage of development. For partial control in pasture or hav crop renovation, apply 22 to 32 fluid ounces of this product in 3 to 10 gallons of water per acre to actively growing target plants when most have

reached 4 to 12 inches in height. 2 - 3.33 - 40Apply 2.5 to 3.3 quarts of this product per acre west of the Mississippi River or 2 to

2.5 quarts per acre east of the Mississippi River when plants are at or beyond full bloom. For enhanced results, apply in late-summer or fall, Fall application must be made before a killing frost. Brackenfern 3 - 401%

Make application to fully expanded fronds that are at least 18 inches long. Bromegrass, smooth 0.7 - 1.5

Apply 44 fluid ounces of this product in 10 to 40 gallons of water per acre when most target plants have reached the boot to early-seedhead stage of development. For partial control in pasture or hav crop renovation, apply 22 to 32 fluid ounces of this product in 3 to 10 gallons of water per acre to actively growing bromegrass when it

has reached a height of 4 to 12 inches. For control, apply 44 fluid ounces of this product plus 0.5 pound of dicamba per acre when plants are producing new active growth that has been initiated by moisture for

at least 2 weeks and are at or beyond flowering. For partial control, apply 22 fluid ounces of this product per acre in a tank-mix with an appropriate rate of dicamba that will provide partial control. Canarygrass, reed2 3 - 4015%

Cattail<sup>2</sup> 2 - 3.33 - 401.5% 2 - 3.33 - 2015% Clover: red. white1

Also for control, apply 11 to 22 fluid ounces of this product in a tank-mix with an appropriate rate of 2,4-D in 3 to 10 gallons of water per acre.

2 - 3.310 - 401.5%

Apply in late-summer or fall when cogongrass is at least 18 inches tall. Due to uneven stages of growth and the dense nature of this vegetation preventing good spray coverage, more than one application might be necessary to achieve control.

Weed Species acre  Dandelion¹ 2 - 3  Also for control, apply 11 fluid ounces appropriate rate of 2,4-D in 3 to 10 gallon: Dock, curly¹ 2 - 3  Also for control, apply 11 to 22 fluid ounc appropriate rate of 2,4-D in 3 to 10 gallon: Dogbane, hemp  Apply when most target plants have redevelopment. Allow weeds to re-grow to a product after crop harvest or mowing. For entire ros uppression, apply 11 fluid ounces appropriate rate of 2,4-D in 3 to 10 gallons: Por suppression, apply 11 fluid ounces appropriate rate of 2,4-D in 3 to 10 gallons: Poetlay application until maximum emergenc.  Fescue (except tall)² 2 - 3  Fescue, tall Apply 64 fluid ounces of this product per act boot to early-seedhead stage of developmen of this product in 3 to 10 gallons of water in formey growth. As equential application of 1 improve long-term control and will control so or in the following spring.  Guinea grass  1,5 - Apply when most target plants have reached the through coverage when using a handheld apply 44 fluid ounces of this product per a Florida, 64 fluid ounces per acre is needer through the coverage when using a handheld apply 44 fluid ounces of this product per a Florida, 64 fluid ounces per acre is needer through coverage when using a handheld apply 44 fluid ounces of this product per a florida, 64 fluid ounces per acre is needer through coverage of the target weed with 1 derusalem artichoke¹ 2 - 3  Johnsongrass  1,5 - Apply when most plants have reached the menanced results, apply in late-summer to copplant¹  Thorough coverage of the target weed with 1 derusalem artichoke¹ 2 - 3  Johnsongrass  1,5 - Apply a	3 3 -40 of this product in a for water per acre. 3 3 -40 es of this product in of water per acre. 3 3 -40 es of this product in of water per acre. 3 -40 ached the late-bud mater stage prior that acre is a for the stage prior that acre is a formation of the stage prior that acre is a formation of this product in a racre using aerial ap e of hemp dogbane he as a 3 -20 2 3 -40 re when most tall fee of the stage prior the stage prior that a formation of the stag	1.5% a tank-mix with an 1.5% to flower stage of o application of this late-summer orfall. Islate-summer orfall. Islate-summer orfall. Islate-summer orfall. Islate-summer orfall. Islate-summer orfall. Islate stank-mix with an ag ground application equipment, as occurred.  1.5% 1.5% toue has reached the apply 22 fluid ounces have 6 to 12 inches product per acre will after fall application  1% e of growth, Ensure the ridge of Florida, flatwoods region of 1.5% 1.5%	Weed Species Mullein, common¹ Mapiergrass¹ Nightshade, silverleaf For enhanced results, apply berries. Fall application must Nutsedge; purple, yellow For control of nutsedge plants product per acre or a 1 - to 1. new nutlets can be found at the controlled and will need rep long-term control. Sequential a 3 to 10 gallons of water per acro. 1-leaf stage (less than 6 inche as necessary when newly eme applications will be necessan nutsedge, apply 11 to 44 fluid acre When plants have 3 to 51 application as needed to control or chardgrass Apply 44 fluid ounces of this plants have reached the boot control in pasture or hay cropp in 3 to 10 gallons of water per reached 4 to 12 inches in heig apply 22 to 32 fluid ounces or chardgrass that is a minimu tall for fall application. Allow a A sequential application of att Pampas grass Apply this product when pam Horough coverage will provid	be made before a 0.4 - 2 s and immature nu 5-percent solution hizome tips. Nutle eatted applications of 22 ve when a majority stall) will also progreging plants reach for long-term co ounces of this progress of the progres	killing frost.  3 – 40 utlets, apply 64 when plants ar is the have not of this product to to 44 fluid ounce to 54 fluid ounce to 45 fluid ounce to 54 fluid ounce to 54 fluid ounce to 54 fluid ounce to 25 fluid ounce to 3 – 40 gallons of water d stage of devel up 27 fluid ounce to 37 fluid ounce to 18 fluid ounce to 1	1 – 1.5% fluid ounces of this ein flower or when germinated will not little germination for so of this product in annts are in the 3-to neat this application stage. Subsequent control of existing gallons of water per set tall. Repeat this tho fexisting plants.  1.5% per acre when most opment. For partial ces of this product so opment. For partial ces of the control of the set of the	Weed Species Ryegrass, perennial In annual cropping systems 10 gallons of water per acre, water per acre. On non-croy (no-till), apply 44 to 64 fluid acre. For enhanced results, a stage of growth or in the tall when applying 22 fluid ounc Smartweed, swamp¹ Also for control, apply 11 appropriate rate of 2.4-D in: Sowthistle, perennial Apply when most plants ar mowing or tillage in late-sur of active growth must be made to application before tillage. Spurge, leafy For suppression, apply 11 appropriate rate of 2.4-D in: If mowing has occurred, dela Starthistle, yellow Enhanced results can be ol boliting or early-flower stage Sweet potato, wild For partial control, apply to More than one application in Thistle, artichoke	or 44 fluid ounces o sites or in fields we ounces of this prod upply when most rye prior to frost. 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Pescue, tall 0,7- Apoly 64 fluid ounces of this product you out to early-seedhead stage of developmen of this product in 3 to 10 gallons of water of new growth. A sequential application of 1 myrove long-term control and will control s or in the following spring. Guinea grass 1.5- Apoly when most target plants have reach thorough coverage when using a handheld apply 44 fluid ounces per acre is needer Horsenettle! 2-3 Horseradish Apply when most plants have reached the enhanced results, apply in late-summer o ceplant! Inforough coverage of the target weed with lerusalem artichoke! 2-3 lohnsongrass 0.4-	2 3 - 40 re when most tall fes t. For fall application, a t. For fall application, a t. For fall application, a till till dounces of this eedlings germinating 2 3 - 40 hed the 7-leaf stage stage for control. In the for control. 3 3 - 20 3 - 40 late-bud to flower:	1.5%  Loue has reached the apply 22 fluid ounces have 6 to 12 inches product per acre will after fall application  1% e of growth. Ensure the ridge of Florida, flatwoods region of  1.5%  1.5%	acre when plaints have 3 to 5 it application as needed to contro Orchardgrass Apply 44 fluid ounces of this p plants have reached the boot control in pasture or hay crop in 3 to 10 gallons of water per reached 4 to 12 inches in hieg apply 22 to 32 fluid ounces or orchardgrass that is a minimut all for fall application. Allow a A sequential application of atr Pampas grass Apply this product when pam	paves and most are of newly emerging; 0.7 – 1.5 roduct in 10 to 40; to early-seedhearenovation, apply 1 acre when orchacht. When going for this product in 3 m of 12 inches tal a minimum of 3 darazine will be nece	e less than 6 inch plants or re-grow 3 - 40 gallons of water d stage of devel 22 to 32 fluid our rdgrass is active om orchardgrass 8 to 10 gallons o 1 for spring appli ys after applicat ssary to achieve	ies tall. Repeat this hof existing plants. 1.5% per acre when most opment. For partial coes of this product ely growing and has sod to no-till corn, of water per acre to cation and 6 inches ion before planting, optimum results. 1 – 1.5%	application before tillage.  Spurge, leafy For suppression, apply 11 appropriate rate of 2,4-0 in : If moving has occurred, dela Starthistle, yellow Enhanced results can be ol bolting or early-flower stage Sweet potato, wild For partial control, apply to I More than one application in	fluid ounces of the sto 10 gallons of way application until m 1.5 otained when application of the standard of	is product in a later per acre in la ost target plants 10 – 40 cation is made	1.5% a tank-mix with late-summer or s are 12 inches t 1.5% during the rose 1.5% om stage of grow
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boot to early-seedhead stage of developmen of this product in 3 to 10 gallons of water of new growth. A sequential application of 1 improve long-term countrol and will control s or in the following spring.  Guinea grass 1.5 – Apply when most target plants have reach apply 4 fluid ounces per acre is needer. Horseradish 4 fluid ounces per acre is needer. Horseradish 4 Apply when most plants have reached the enhanced results, apply in late-summer or loceplant 4 — Thorough coverage of the target weed with Thorough coverage of the target weed with Perusalem artichoke 2 — 3 Johnsongrass 0.4 —	E. For fall application, is er acre when plants the fluid ounces of this eedlings germinating 2 3 – 40 hed the 7-leaf stag sprayer. In Texas and cre for control. In the for control. 3 3 – 20 3 – 40 late-bud to flower size.	apply 22 fluid ounces have 6 to 12 inches product per acre will after fall application 1% e of growth. Ensure the ridge of Florida, flatwoods region of 1.5% 1.5%	Orchardgrass  Apply 44 fluid ounces of this pp plants have reached the boot control in pasture or hay crop in 3 to 10 gallons of water per reached 4 to 12 inches in heig apply 22 to 32 fluid ounces or orchardgrass that is a minimut all for fall application. Allow a A sequential application of atr Pampas grass  Apply this product when pam	0.7 – 1.5 roduct in 10 to 40 it to early-seedhear renovation, apply 1 racre when orcha the When going frof this product in 3 m of 12 inches tal a minimum of 3 da razine will be nece	3 – 40 gallons of water d stage of devel 22 to 32 fluid our drgrass is active om orchardgrass 8 to 10 gallons o I for spring appli ys after applicat sssary to achieve	1.5% per acre when most opment. For partial opment. For partial roces of this product by growing and has sod to no-till corn, of water per acre to cation and 6 inches ion before planting. optimum results.  1 – 1.5%	For suppression, apply 11 appropriate rate of 2,4-0 in if mowing has occurred, dela Starthistle, yellow Enhanced results can be ol bolting or early-flower stage Sweet potato, wild For partial control, apply to More than one application in	8 to 10 gallons of way application until m  1.5 otained when application  otained when application are at or	ater per acre in la ost target plants 10 – 40 cation is made	a tank-mix with late-summer or s are 12 inches ta 1.5% during the rose 1.5% om stage of grov
of this product in 3 to 10 gallons of water in every growth. A sequential application of 1 migrove long-term control and will control so in the following spring.  Guinea grass 1.5 —  Apply when most target plants have reacthorough coverage when using a handheld apply 4-8 fluid ounces of this product per a Florida, 64 fluid ounces per acre is needecthorsenettle 2 — 3  Apply when most plants have reached the enhanced results, apply in late-summer of ceplant 4  Thorough coverage of the target weed with 1 brough 1 bro	per acre when plants 1 fluid ounces of this eedlings germinating 2 3 - 40 hed the 7-leaf stags sprayer. In Texas and cre for control. In the for control. 3 3 - 20 3 - 40 1 late-bud to flower s	have 6 to 12 inches product per acre will after fall application  1% e of growth. Ensure the ridge of Florida, flatwoods region of  1.5%  1.5%	Apply 44 fluid ounces of this p plants have reached the boot control in pasture or hay crop in 3 to 10 gallons of water per reached 4 to 12 inches in heig apply 22 to 32 fluid ounces o orchardgrass that is a minimu tall for fall application. Allow a A sequentiation of att Pampas grass Apply this product when pam	roduct in 10 to 40 to early-seedhear renovation, apply if a crewhen orchards. The seedhen orchards fith this product in 3 m of 12 inches talls minimum of 3 darazine will be necessity.	gallons of water of devel d stage of devel 22 to 32 fluid our rdgrass is active om orchardgrass to 10 gallons of 1 for spring applicys after applications of the control of	per acre when most opment. For partial ces of this product by growing and has sod to no-till corn, f water per acre to cation and 6 inches ion before planting, e optimum results.  1 – 1.5%	appropriate rate of 2,4-D in : If mowing has occurred, dela  Starthistle, yellow Enhanced results can be ol  botting or early-flower stage  Sweet potato, wild For partial control, apply to   More than one application m	8 to 10 gallons of way application until m  1.5 otained when application  otained when application are at or	ater per acre in la ost target plants 10 – 40 cation is made	late-summer or s are 12 inches to 1.5% during the rose 1.5% om stage of grov
of new growth. A sequential application of 1 improve long-term control and will control sor in the following spring.  Guinea grass  1.5— Apply when most target plants have reachthorough coverage when using a handheld apply 44 fluid ounces be racre is needet.  Horseradish Apply when most plants have reachthorough coverage when using a handheld apply 44 fluid ounces per acre is needet.  Horseradish Apply when most plants have reached the enhanced results, apply in late-summer o Iceplant¹  Thorough coverage of the target weed with Inforough coverage of the Inforough coverage of Inforough coverage of Inforough coverage of Inforough coverage of Inforough co	1 fluid ounces of this eedlings germinating 2 3 - 40 hed the 7-leaf stags sprayer. In Texas and cre for control. In the for control. 3 3 - 20 3 - 40	product per acre will after fall application 1% e of growth. Ensure the ridge of Florida, flatwoods region of 1.5% 1.5%	plaints have reached the boit control in pasture or hay crop in 3 to 10 gallons of water per reached 4 to 12 inches in heig apply 22 to 32 fluid ounces o orchardgrass that is a minimu tall for fall application. Allow a A sequential application of atr Pampas grass Apply this product when pam	to early-seedhear renovation, apply a r acre when orcha th. When going fro f this product in 3 m of 12 inches 13 m minimum of 3 da razine will be nece	d stage of devel 22 to 32 fluid our rdgrass is active om orchardgrass 8 to 10 gallons o I for spring appli ys after applicat sssary to achieve	opment. For partial nees of this product set yet growing and has sod to no-till corn, of water per acre to cation and 6 inches ion before planting, optimum results.  1 – 1.5%	If moving has occurred, dela Starthistle, yellow Enhanced results can be ol bolting or early-flower stage Sweet potato, wild For partial control, apply to More than one application m	y application until m  1.5  otained when appli	ost target plants 10 – 40 cation is made	s are 12 inches to 1.5% during the rose 1.5% om stage of grow
improve long-term control and will control so in the following spring.  Guinea grass 1.5 — Apply when most target plants have reachthorough coverage when using a handheld apply 44 fluid ounces of this product per a Florida, 64 fluid ounces per acre is needed Horsenettle¹ 2 — 3 Apply when most plants have reached the enhanced results, apply in late-summer of ceplant¹ Thorough coverage of the target weed with lefusalem artichoke¹ 2 — 3 Johnsongrass 0.4 —	eedlings germinating  2 3 - 40 hed the 7-leaf stags sprayer. In Texas and cre for control. In the for control.  3 3 - 20 3 - 40 elate-bud to flower s	after fall application  1% e of growth. Ensure the ridge of Florida, flatwoods region of  1.5%  1.5%	control in pasture or hay crop in 3 to 10 gallons of water per eached 4 to 12 inches in heig apply 22 to 32 fluid ounces or orchardgrass that is a minimu tall for fall application. Allow a A sequential application of atr Pampas grass Apply this product when pam	renovation, apply 2 r acre when orcha ght. When going fr f this product in 3 im of 12 inches tal a minimum of 3 da razine will be nece	22 to 32 fluid our rdgrass is active om orchardgrass 8 to 10 gallons o I for spring appli lys after applicat essary to achieve	nces of this product ly growing and has sod to no-till corn, f water per acre to cation and 6 inches ion before planting, optimum results.	Starthistle, yellow Enhanced results can be ol bolting or early-flower stage Sweet potato, wild For partial control, apply to More than one application m	1.5 otained when application of the control of the	10 – 40 cation is made	1.5% during the rose 1.5% om stage of grow
Guinea grass  Apply when most target plants have reach brorough coverage when using a handheld apply 44 fluid ounces of this product per a Florida, 64 fluid ounces per acre is neede Horsenettle¹  2 – 3 Apply when most plants have reached the enhanced results, apply in late-summer o Iceplant¹ Inforcugh coverage of the target weed with I Inforcugh coverage of the target weed with	hed the 7-leaf stags sprayer. In Texas and cre for control. In the for control. 3 3 - 20 3 - 40 s late-bud to flower s	e of growth. Ensure the ridge of Florida, flatwoods region of 1.5% 1.5%	in 3 to 10 gallons of water per reached 4 to 12 inches in heig apply 22 to 32 fluid ounces o orchardgrass that is a minimu tall for fall application. Allow a A sequential application of atr Pampas grass Apply this product when pam	r acre when orcha ght. When going fro f this product in 3 im of 12 inches tal a minimum of 3 da razine will be nece	rdgrass is active om orchardgrass 8 to 10 gallons o 1 for spring appli ys after applicat essary to achieve	ely growing and has sod to no-till corn, if water per acre to cation and 6 inches ion before planting, e optimum results.	Enhanced results can be ol bolting or early-flower stage Sweet potato, wild For partial control, apply to   More than one application m	otained when application of the state of the	cation is made -	during the rose 1.5% om stage of grov
Apply when most target plants have reachorough coverage when using a handheld papply 44 fluid ounces of this product per a clorida, 64 fluid ounces per acre is needed forsenettle 2 - 3 hoppy when most plants have reached the phanaced results, apply in late-summer o ceplant 5 - 3 hoppy when most plants have reached the phanaced results, apply in late-summer o ceplant 5 - 3 horough coverage of the target weed with 1 horough coverage of the target weed with 1 erusalem artichoke 2 - 3 hohnsongrass 0.4 - 0.4 - 0.4 horough coverage of the coverage of the target weed with 1 erusalem artichoke 0.4 - 0.4 horough coverage of the target weed with 1 erusalem artichoke 0.4 - 0.4 horough coverage of the target weed with 1 erusalem artichoke 0.4 horough coverage 0.4 hor	hed the 7-leaf stags sprayer. In Texas and cre for control. In the for control. 3 3 - 20 3 - 40 s late-bud to flower s	e of growth. Ensure the ridge of Florida, flatwoods region of 1.5% 1.5%	reached 4 to 12 inches in heig apply 22 to 32 fluid ounces o orchardgrass that is a minimu tall for fall application. Allow a A sequential application of atr Pampas grass Apply this product when pam	ght. When going fro f this product in 3 Im of 12 inches tal a minimum of 3 da razine will be nece	om orchardgrass 8 to 10 gallons o 1 for spring appli ys after applicat ssary to achieve	sod to no-till corn, f water per acre to cation and 6 inches ion before planting. optimum results.	bolting or early-flower stage <b>Sweet potato, wild</b> For partial control, apply to pore than one application or	- olants that are at or	-	1.5% om stage of gro
horough coverage when using a handheld papply 44 fluid ounces of this product per a lorida, 64 fluid ounces per acre is needed forsenettle   2 – 3 florseradish   34 pply when most plants have reached the phanaced results, apply in late-summer o ceplant   10 florough coverage of the target weed with florough coverage of the target weed with results   2 – 3   10 florough coverage of the target weed with lensualem artichoke   2 – 3   10 florough coverage of the target weed with   10 florough c	sprayer. In Texas and cre for control. In the for control.  3 3-20 3-40 e late-bud to flower s	the ridge of Florida, flatwoods region of 1.5% 1.5%	apply 22 to 32 fluid ounces of orchardgrass that is a minimulat flor fall application. Allow a A sequential application of attermination of a transplant of the paragrass.  Apply this product when pam	f this product in 3 m of 12 inches tal a minimum of 3 da razine will be nece -	B to 10 gallons o I for spring appli lys after applicat essary to achieve	f water per acre to cation and 6 inches ion before planting, optimum results. $1-1.5\%$	Sweet potato, wild For partial control, apply to More than one application m	- plants that are at or	- beyond the bloo	om stage of gro
paply 44 fluid ounces of this product per a riorda, 64 fluid ounces per acre is needed forsenettle <sup>1</sup> 2–3 lorseradish 3 loply when most plants have reached the inhanced results, apply in late-summer o ceplant <sup>1</sup> hrough coverage of the target weed with rerusalem artichoke <sup>1</sup> 2–3 ohnsongrass 0.4 –	cre for control. In the for control. $3  3-20  3-40$ e late-bud to flower s	flatwoods region of 1.5% 1.5%	tall for fall application. Allow a A sequential application of atr Pampas grass Apply this product when pam	minimum of 3 da razine will be nece -	ys after applicat ssary to achieve -	ion before planting. optimum results. 1 – 1.5%	For partial control, apply to p More than one application m		beyond the bloo	om stage of gro
Florida, 64 fluid ounces per acre is needect Horsenettle¹ 2 – 3 Apply when most plants have reached the enhanced results, apply in late-summer o cleeplant¹ – 1 Thorough coverage of the target weed with lefusalem artichoke¹ 2 – 3 Johnsongrass 0.4 –	for control. $3 \qquad 3-20 \\ 3-40$ slate-bud to flower s	1.5% 1.5%	A sequential application of atr  Pampas grass  Apply this product when pam	razine will be nece -	ssary to achieve	optimum results. 1 – 1.5%	More than one application m		beyond the bloo	
dorsenettle¹ 2 – 3 dorseradish 3 dopty when most plants have reached the shahaned results, apply in late-summer o ceplant¹ horough coverage of the target weed with foreusalem artichoke¹ 2 – 3 ohnsongrass 0.4 –	3 3 - 20 3 - 40 late-bud to flower s	1.5%	Pampas grass Apply this product when pam	-	-	1 – 1.5%		ight be needed.		
Apply when most plants have reached the inhanced results, apply in late-summer or ceplant*  Through coverage of the target weed with rerusalem artichoke*  2—3  Ohnsongrass  0.4—	3 – 40 late-bud to flower s	1.5%	Apply this product when pam	- ipas grass is at o	r hevond the ho		Thistle, artichoke	_		
Apply when most plants have reached the nhanced results, apply in late-summer of ceplant!  - Ceplant! - Chronogh coverage of the target weed with leavest weed with leavest was a considerable of the same artichoke!  - Company of the same artichoke weed with leavest weed with leavest weed with leavest was a considerable of the same artichoke weed with leavest was a considerable of the same artichoke was a	late-bud to flower s			ipas grass is at o	r heyond the ho					1.5%
enhanced results, apply in late-summer o lceplant¹ - Thorough coverage of the target weed with 1 lerusalem artichoke¹ 2 - 3 lohnsongrass 0.4 -		stage of growth. For	Thorough coverage will provid			ot stage of growth.	For partial control, apply			ne bloom stag
	fall.			e enhanced contro	ol. ´		growth. More than one app	olication might be i	needed.	
Thorough coverage of the target weed with 1 Jerusalem artichoke $^1$ 2 – 3 Johnsongrass 0.4 –			Para grass <sup>2</sup>	2 - 3.3	3 - 20	1.5%	Thistle, Canada	1.5 - 2	3 – 40	1.5%
$ \begin{array}{lll} \hbox{ lerusalem artichoke}^1 & 2-3 \\ \hbox{ lohnsongrass} & 0.4- \end{array} $	-	1.5 - 2%	Phragmites	2 - 3.3	10 - 40	1 – 1.5%	Apply when most target pla			
Johnsongrass 0.4 –	his product will provid	de enhanced control.	For partial control and enhance				After harvest, mowing or	illage in late-sum	mer or fall, allo	ow a minimun
•	3 3 – 20	1.5%	when plants are actively grow				4 weeks for initiation of			
•	2 3-40	1%	stage could result in reduced	control. Due to t	he dense nature	of this vegetation	application of this product. For suppression in the spi			
	44 fluid nunces of t	this product in 3 to	(which can prevent good spra	y coverage) and u	ineven stages of	growth, more than	11 fluid ounces of this pro	fuct in a tank-mix	with an approp	riate rate of 2.
10 gallons of water per acre. Use 44 fluid	ounces of this produ	ict when applying in	one application might be nece	essary to achieve	control. Visual s	ymptoms of control	in 3 to 10 gallons of water			
10 to 40 gallons of water per acre. On non-	crop sites or in areas	where annual tillage	will be slow to develop.				diameter. Application may			
is not practiced (no-till), apply 44 to 64 fluid	ounces of this produc	ct in 10 to 40 gallons	Poison hemlock	-	-	1 – 1.5%	are actively growing. Allow			
of water per acre. For enhanced results, ap the boot to head stage of development or in			Apply this product using a				Timothy <sup>2</sup>	1.5 - 2	3 - 40	1.5%
7 days after application before tillage. Do n	nt tank-mix with resid	fual herbicides when	Optimum results are obtained		applied to targe	t plants that are at	Torpedograss	2.5 - 3.3	3 - 40	1.5%
applying 22 fluid ounces of this product per			the bud to full-bloom stage of	growtn.	0 10	1.50/	For partial control, apply	when most targ	et plants are a	at or beyond
11 fluid ounces of this product in 3 to 10 ga	lons of water per acre	e before plants reach	Pokeweed, common	1	3 – 40	1.5%	seedhead stage of develop	ment. More than o	one application	ı will be neede
height of 12 inches and allow a minimun			Apply to actively growing targe				achieve control. Fall applic	ation must be ma	de before frost.	
or partial control or suppression, apply a pot treatment when johnsongrass is 12 to	o.7-percent soldtion 18 inches tall. Ensure	or una product as a that spray coverage	Quackgrass	0.7 - 2	3 – 40	1.5%	Trumpetcreeper	1.5	5 - 10	1.5%
is uniform and complete.	ooo ani. Endulo	opraj sovorago	In annual cropping systems				For partial control, apply in			
Kikuyu grass 1.5 —	2 3-40	1.5%	deep tillage, apply 22 fluid ou				a minimum of 18 inches ta			
Apply when most kikuyu grass is at least 8			acre or 44 fluid ounces in 10	I TO STOLLED UP U.S	water per acre v	nien quackgrass is	tillage operation. Make app			
Allow a minimum of 3 days after applicati		ou. ougo or grondly.	6 to 8 inches in height. Do no 22-fluid-ounce rate. Do not ti	ut talik-lilik Willi i ill hetween hanves	t and fall annlic	ation or in the fall	Vaseygrass <sup>2</sup>	2 - 3.3	3 - 20	1.5%
(napweed 3	3 – 40	1.5%	or spring prior to spring appli				Velvetgrass <sup>2</sup>	2 - 3.3	3 - 20	1.5%
Apply when most target plants have reach			before tillage. In pastures or s	od fields, use a mi	oldboard plow fo	r enhanced results.	Wheatgrass, western <sup>2</sup>	1.5 - 2	3 - 40	1.5%
For enhanced results, apply in late-summe		noi stago di giuntii.	In pastures, sod fields or r				1 Apply when most plants	nave reached the	early-bud stag	ge of growth.
antana -		1%	application of this product, ap			40 gallons of water	<sup>2</sup> Apply when most plants I			
	dh	1/0	per acre when quackgrass is a			1 501			-	
Apply at or beyond the bloom stage of grov		1 50/	Redvine	0.5 - 1.5	5 – 10	1.5%	16.0 WOODY	BRUSH, TREES	AND VINES I	RATE SECTI
Lespedeza <sup>1</sup> 2-3		1.5%	For suppression, make two a							
Milkweed, common 2	3 – 40	1.5%	14 days apart, or a single app	lication of 44 fluid	l ounces, in 5 to	10 gallons of water	Apply this product during for			
Apply when most plants have reached the	late-bud to flower st	age of growth.	per acre in late-September of				higher rate of application of			
Muhly, wirestem 0.7 – 1	5 3 – 40	1.5%	tall and have been growing 4 minimum of 1 week before a k		e uie iast tillage	орегации. Арріу а	for larger plants or in areas			
Apply 22 fluid ounces of this product in 3 t	10 gallons of water	per acre, or 44 fluid		ming HUSL		1.5%	rate of application or spray the woody stage. Enhanced			
ounces when applying in 10 to 40 gallons	of water per acre or v	vhenever applying in	Reed, giant	-	eta a ta anada ta t		in late-summer or fall afte		nanieu wiieli ă	hhuramin I2 I
pasture, sod, or non-crop areas, when wire			Enhanced results can be obtain	ined when applica	tion is made in la	ate-summer or fall.	ato Juninioi oi Iali alto	are formidation.		
ill the soil between harvest and fall applica application. Allow a minimum of 3 days afte		spring prior to spring		00						

In arid areas, enhanced results can be obtained when application is made in spring to early-summer when brush species are at high moisture content and flowering. Unless otherwise directed, make broadcast applications in 3 to 40 gallons of water per acre. Ensure thorough coverage when using handheld sprayers.

application in the fall. Allow a minimum of 7 days after application before tillage, mowing or removal of vegetation in the application area. Repeat applications might be necessary to control plants regenerating from underground parts or seed. Some autumn

Herbicidal symptoms might not appear prior to frost or senescence following

Sweetgum

Swordfern<sup>1</sup>

Tallowtree, Chinese<sup>2</sup>

Tan oak re-sprouts<sup>1</sup>

Sumac: poison, smooth, winged

Species Alder	Donadarat D.	Handheld
Alder	Broadcast Rate (quarts/acre)	Sprayer Concentration (% solution)
	2-3	1%
Ash <sup>1</sup>	1.5 – 3.3	1 – 1.5%
Aspen, quaking	1.5 – 2	1%
Bearmat (Bearclover) <sup>1</sup>	1.5 - 3.3	1-1.5%
Beech <sup>1</sup>	1.5 - 3.3	1-1.5%
Birch	1.5 – 2	1%
Blackberry	2-3	1%
Apply after target plants have reached to can be obtained when application is m a 0.7-percent solution of this product at late-fall. After leaf drop and until a killing fro 2 to 2.5 quarts of this product in 10 to 40 ga	lade in late-summ fter berries have s st or as long as stem Illons of water per ac	ner or fall. App set or dropped ns are green, app cre.
Blackgum	1.5 - 3.3	1 - 1.5%
Bracken	1.5 - 3.3	1 - 1.5%
Broom; French, Scotch	-	1 - 1.5%
Buckwheat, California <sup>1,2</sup>	-	1 - 1.5%
Cascara <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Catsclaw <sup>1</sup>	-	1%
Ceanothus <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Chamise <sup>2</sup>	-	1%
Cherry; bitter, black, pin	1.5 - 2	1%
Coyote brush	-	1 - 1.5%
Apply when at least 50 percent of the new le	aves are fully develo	oped.
Dogwood <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Elderberry	1.5 – 2	1%
Elm <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Eucalyptus	-	1.5%
For control of eucalyptus re-sprouts, apply Ensure complete coverage. Application to di result in less than optimum results.		
Florida holly (Brazilian Peppertree) <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Gorse <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Hasardia <sup>1,2</sup>	-	1 - 1.5%
Hawthorn	1.5 - 2	1%
Hazel	1.5 – 2	1%
Hickory <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Honeysuckle	2-3	1%
Hornbeam, American <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Kudzu	2.5 - 3.3	1.5%
More than one application might be needed t	to achieve control.	
Locust, black <sup>1</sup>	1.5 – 3	1 – 1.5%
		1.5%

1.5 - 3.3

spring or early-summer application.

Species	Broadcast Rate (quarts/acre)	Handheld Sprayer Concentration (% solution)
Maple, red	1.5 – 3	1%
Apply a 1-percent solution when at least 50 For partial control, apply 44 to 86 fluid ound		
Maple, sugar	-	1%
Apply when at least 50 percent of the ne	w leaves are fully develo	ped.
Monkey flower <sup>1,2</sup>	-	1 - 1.5%
Oak; black, white1	1.5 – 3	1 - 1.5%
Oak, post	2-3	1%
Oak, northern	-	1%
Apply when at least 50 percent of the ne	w pin leaves are fully de	veloped
Oak, southern red	1.5 – 2	1%
Persimmon <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Pine	1.5 - 3.3	1 - 1.5%
Poison ivy/Poison oak	2.5 - 3.3	1.5%
More than one application might be need must be made before leaves lose green of		plication in the fall
Poplar, yellow <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Redbud, eastern	1.5 - 3.3	1 - 1.5%
Rose, multiflora	1.5	1%
Make application prior to leaf deterioration	n by leaf-eating insects	
Russian olive <sup>1</sup>	1.5 – 3.3	1 - 1.5%
Sage, black <sup>2</sup>	-	1%
Sage, white1	1.5 - 3.3	1 - 1.5%
Sagebrush, California <sup>2</sup>	-	1%
Salmonberry	1.5 – 2	1%
Saltcedar	1.5 - 3.3	1 - 1.5%
Sassafras <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Courwood!	15 22	1 1 59/

15 - 3

15 - 2

1.5 - 3.3

1 - 1.5%

1%

1%

1.5%

1 - 1.5%

Apply to re-sprouts that are less than 6 feet tall. Enhanced results can be obtained following application in the fall. Thimbleberry 1.5 - 21% Tobacco, tree1 1 - 1.5%Trumpetcreeper Vine maple<sup>1</sup> 1.5 - 3.31 - 1.5%Virginia creeper 15 - 331 - 1.5%1 - 1.5%Waxmvrtle, southern<sup>1</sup> 1.5 - 3.3Willow 2 - 31% 1 Partial Control 2 Thorough coverage of foliage is necessary for enhanced results.

negligence, strict liability, other tort or otherwise.

#### LIMIT OF WARRANTY AND LIABILITY 17.0

Bayer CropScience LP ("Company") warrants that this product conforms to the chemical description on the label. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall use this product only for the purposes of and in accordance with the Complete Directions for Use label ("Directions") and shall promptly notify this Company of any claims whether based in contract,

NTAL, CONSEQUENTIAL OR SPECIAL DAMAGES pening and using this product, buyer and all users are deemed to have ed the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement. If terms are not acceptable. return at once unopened. CROPSHIELD and Design, Degree, Harness, Roundup Ready, Roundup

Ready 2 Yield, Roundup WeatherMAX and Design, Rowel, Transorb and Design, TripleFLEX, TruFlex and Warrant are registered trademarks of Bayer Group. All other trademarks are the property of their respective owners.

In case of an emergency involving this product, call collect, day or night, 1-800-334-7577.

@2020 Packed for: BAYER CROPSCIENCE LP 800 N. LINDBERGH BLVD. ST. LOUIS. MISSOURI. 63167 USA

#### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

# Keep out of reach of children

# CAUTION

Causes moderate eye irritation. Harmful if inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing vapor or spray mist.

# FIRST AID FIRST FIRST AID FIRST AID FIRST AID

		Remove contact lenses if present, after the first 5 minutes then continue rinsing     Call a poison control center or doctor for treatment advice.
ı	SKIN OR	Take off contaminated clothing.     Rinse skin immediately with plenty of water for 15 to 20 minutes.     Call a poison control center or doctor for treatment advice.

# • Move person to fresh air.

- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
   Call a poison control center or doctor for treatment advice.
- Have the product container or labeling with you when calling a poison control center or doctor, or going for treatment.
   You can also call 1-800-334-7577, collect, day or night, for emergency medical treatment information.
- This product is identified as Roundup WeatherMAX Herbicide, EPA Registration No. 524-537.

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 could 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)

Some of the materials that are chemical-resistant to this product are listed below.

Mixers, Loaders, Other Handlers and Applicators, when handling this concentrated product or its application solutions of 30 percent concentration or greater, must wear: long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride.

Applicators, when handling only spray solutions where concentration is 30 percent of this product or less, must wear: long-sleeved shirt and long pants, socks and shoes.

Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). If there are no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides L40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed-system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

#### 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.

#### **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 wash waters and rinsate.

#### Physical or Chemical Hazards

Spray solutions of this product may be mixed, stored and applied using stainless steel, fiberglass, plastic or plastic-lined steel containers.

IDO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN IGALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY ITANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas, which can form a highly combustible gas mixture. This gas mixture could flash or explode if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition isource and cause serious personal injury.

# DIRECTIONS FOR USE

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

#### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "AGRICULTURAL USE REQUIREMENTS" in the DIRECTIONS FOR USE section for information about this standard.

#### 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.

See Complete Directions for Use attached to this label for complete Agricultural Use Requirements of the Worker Protection Standard, Directions for Use and Limit of Warranty and Liability.

# Storage and Disposal

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

**PESTICIDE STORAGE:** Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination.

PESTICIDE DISPOSAL: To avoid wastes, use all material in the container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

CONTAINER HANDLING AND DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse (or equivalent) this container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix-tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth for 30 seconds, ensuring at least one complete revolution. 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 mix-tank, or store rinsate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or mix-tank and continue to drain for 10 seconds after the flow begins to drip. Place container so that it can drain directly into application equipment or mix-tank while rinsing, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle into the side of the container and rinse at about 40 PSI for at least 30 seconds. Continue to drain for 10 seconds after the flow begins to drip. Once properly rinsed, some plastic agricultural pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest collection site, contact your chemical dealer or Bayer CropScience LP at 1-866-99BAYER (1-866-992-2937) If recycling is not available, dispose of in accordance with federal, state and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT, CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937).

IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, 1-800-334-7577.

THIS IS AN END-USE PRODUCT. BAYER CROPSCIENCE LP DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING.

CropShield and Design, Roundup WeatherMAX and Design, Roundup Ready and Transorb and Design are registered trademarks of Bayer Group.

For a list of patents, if any, covering this product or its use, please go to www.monsantotechnology.com. EPA Reg. No. 524-537

EPA Est. 524-IA-1

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BAYER CROPSCIENCE LP
800 N. LINDBERGH BLVD.
ST. LOUIS, MISSOURI 63167 USA
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GROUP

HERBICIDE

# Roundup Veather MAX HERBICIDE

Herbicide for Roundup Ready® Crops

Selective broad-spectrum weed control in Roundup Ready® crops

Non-selective, broad-spectrum weed control for many agricultural systems and farmsteads



Specially formulated for Roundup Ready\* crops

#### ACTIVE INGREDIENT:

*Glyphosate, N-(phosphonomethyl) glycine, in the form of its potassium salt	48.8%
OTHER INGREDIENTS:	51.2%
I	100.0%

1\*Contains 660 grams of the active ingredient glyphosate, in the form of its potassium salt, per liter or
 5.5 pounds per U.S. gallon, which is equivalent to 540 grams of the acid, glyphosate, per liter or
 4.5 pounds per U.S. gallon (39.8% by weight).

# Keep out of reach of children

Please refer to booklet for additional precautionary statements and directions for use.

Not all products listed on this label are registered for use in California. Check the registration status of each product in California before using.

THIS IS AN END-USE PRODUCT. BAYER CROPSCIENCE LP DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING.

FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT, CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937).

IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, 1-800-334-7577

EPA Reg. No. 524-537

EPA Est. No. 524-IA-1

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Return Properly Rinsed Container to Bayer CropScience for Recycling call 1-866-99BAYER (1-866-992-2937)

XXXXXXXX

UPC Barcode Placement 0 70183 33439 1 SCC Barcode Placement (01)00070183334391

SAP Barcode Placement
USS-128 Full ASCII .15 X-DIM format
62218876B





# WeatherMAX

HERBICIDE

# **Complete Directions for Use**

Herbicide for Roundup Ready® Crops
Selective broad-spectrum weed control in Roundup Ready® crops

Non-selective, broad-spectrum weed control for many agricultural systems and farmsteads

48.8%



Specially formulated for Roundup Ready® crops

# ACTIVE INGREDIENT: \*Glyphosate, N-(phosphonomethyl) glycine, in the form of its potassium salt

OTHER INGREDIENTS: 51.2%
100.0%

\*Contains 660 grams of the active ingredient glyphosate, in the form of its potassium salt, per liter or 5.5 pounds per U.S. gallon, which is equivalent to 540 grams of the acid, glyphosate, per liter or

Keep out of reach of children

4.5 pounds per U.S. gallon (39.8% by weight).

# CAUTION

Please refer to booklet for additional precautionary statements and directions for use.

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THIS IS AN END-USE PRODUCT. BAYER CROPSCIENCE LP DOES NOT INTEND AND HAS NOT REGISTERED.

IT FOR REFORMULATION OR REPACKAGING.

FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT.

CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937).

IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT,
OR FOR MEDICAL ASSISTANCE. CALL COLLECT. DAY OR NIGHT. 1-800-334-7577.

EPA Reg. No. 524-537

EPA Est. No. 524-IA-1

Packed For:

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**NET 265 GAL** 

S62218884B 161018Bv2

AVOID CONTACT OF THIS HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS DESIRABLE PLANTS AND TREES EXCEPT AS DIRECTED FOR USE ON ROUNDUP READY® CROPS, AS SEVERE PLANT INJURY OR DESTRUCTION COULD RESULT. Read the entire label before using this product. Use only according to label directions. Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of this abeling before buying or using. If terms are not acceptable, return at once unopened. CONTENTS 1.0 2.0 3 3.0 3 1 3.3 4.0 5.0 WEED RESISTANCE MANAGEMENT.....2 6.0 6.1 Management of Glyphosate-Resistant Biotypes . . . . . . . . 2 6.2 7.0 7.1 7.5 7.6 7.7 8.0 8.1 8.2 8.3 8.4 8.5 Selective Application Equipment . . . . . . . . . . . . . . . . . . 5 8.6 8.7 9.0 9.1 Cereal and Grain Crops . . . . . . . . . . . . . . . . . 6 9.2 9.4 Grain Sorghum (Milo)..... 95 9.6 9.7 9.8 qq 9.10 9.11 10.0 10.1 10.2 10.3 10.4 10.5 10.6 
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*Chr	hocato I	M. (phosphonomothyl) glycino				
in t	he form o	f its potassium salt				

potassium salt, per liter or 5.5 pounds per U.S. gallon, which is equivalent to 540 grams of the acid, glyphosate, per liter or 4.5 pounds per U.S. gallon (39.8% by weight). For a list of patents, if any, covering this product or its use, please go to www.monsantotechnology.com.

\*Contains 660 grams of the active ingredient glyphosate, in the form of its

#### 2.0 IMPORTANT PHONE NUMBERS

OTHER INGREDIENTS:

- FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT. CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937)
- IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, 1-800-334-7577

#### 3.0 PRECAUTIONARY STATEMENTS

#### 3.1 **Hazards to Humans and Domestic Animals**

# Keep out of reach of children

Harmful if inhaled

Avoid contact with eyes, skin, or clothing

Avoid breathing vapor or spray mist

IF IN EYES	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.     Remove contact lenses if present after the first 5 minutes then continue rinsing eye.     Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	Take off contaminated clothing.     Rinse skin immediately with plenty of water for 15 to 20 minutes.     Call a poison control center or doctor for treatment advice.
IF INHALED	Move person to fresh air.     If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.     Call a poison control center or doctor for treatment advice.

- . Have the product container or labeling with you when calling a poison control center or doctor, or going for treatment.
- You can also call 1-800-334-7577, collect, day or night, for emergency medical treatment information.
- This product is identified as Roundup WeatherMAX Herbicide, EPA Registration No. 524-537.

DOMESTIC ANIMALS: This product is considered to be relatively nontoxid to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation could 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)

Some of the materials that are chemical-resistant to this product are listed below

Mixers, Loaders, Other Handlers and Applicators, when handling this concentrated product or its application solutions of 30 percent concentration or greater, must wear: long-sleeved shirt and long pants socks and shoes, and chemical-resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride.

Applicators, when handling only spray solutions where concentration is 30 percent of this product or less, must wear: long-sleeved shirt and long pants, socks and shoes.

Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). If there are no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

#### **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 wash waters and rinsate

#### 3.3 Physical or Chemical Hazards

Spray solutions of this product may be mixed, stored and applied using stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which can form a highly combustible gas mixture. This gas mixture could flash or explode if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source and cause serious personal injury.

# **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product may only be used in accordance with the Directions for Use on this label or on separately published supplemental labeling. Supplemental labeling for this product can be obtained from your Authorized Bayer CropScience LP Representative.

Do not apply this product in a way that will contact workers or other persons. either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe consult the agency responsible for pesticide regulation.

#### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry 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, shoes plus socks, and chemical-resistant gloves made of any waterproof material.

#### 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.

# 4.0 STORAGE AND DISPOSAL

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination. See individual container label for additional storage conditions. If any.

PESTICIDE DISPOSAL: To avoid wastes, use all material in the container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

**CONTAINER HANDLING AND DISPOSAL:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning this container before refilling is the responsibility of the refiller. Cleaning this container before final disposal is the responsibility of the person disposing of the container.

To clean this container before final disposal, empty the remaining contents from the container into application equipment or mix-tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Then offer the container for recycling, if available

Some container manufacturers offer container recycling. See additional information regarding manufacturer recycling programs attached to this container, if available. If no recycling information is available on this container, contact your chemical dealer or Bayer CropScience LP at 1-866-99BAYER (1-866-992-2937).

#### 5.0 PRODUCT INFORMATION

Product Description: This product is a postemergence, systemic herbicide with no soil residual activity. It is generally non-selective and gives broad-spectrum control of many annual and perennial weeds, woody brush, trees and vines. It is formulated as a water-soluble liquid containing surfactant and may be applied using standard and specialized pesticide application equipment after dilution and thorough mixing with water or other carrier according to label directions.

Do not add surfactants, additives containing surfactants, buffering agents or pH adjusting agents to the spray solution when **Roundup WeatherMAX Herbicide** is the only pesticide being applied unless otherwise directed. See the "MIXING" section of this label for instructions regarding other additives.

**Mechanism of Action:** The active ingredient in this product inhibits an enzyme found only in plants and microorganisms that is essential to the formation of specific amino acids.

No Soil Activity: This product binds tightly to soil particles and does not provide residual weed control. Weeds must be emerged at the time of application to be controlled by foliar application of this product. Weed seeds in the soil will not be affected by this product and will continue to germinate. Unattached plant rhizomes and rootstocks beneath the soil surface will also not be affected by this product.

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

Stage of Weeds: Annual weeds are easiest to control when they are small. Enhanced control of most perennial weeds is obtained when this product is applied at late growth stages approaching maturity. Refer to the "ANNUAL WEEDS RATE SECTION," "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" for more information on the control of specific weeds.

Cultural Considerations: Reduced weed control could result when this product is applied to annual or perennial weeds that have been mowed, grazed or cut, and have not been allowed to re-grow prior to application. Always use a higher product application rate within the given range when weed growth is heavy or dense, or when weeds are growing in an undisturbed (non-cultivated) area. Reduced weed control could also result when this product is applied to weeds that show signs of disease or insect damage, are covered with dust, or are surviving under poor growing conditions.

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

Rainfastness: Rainfall within 4 hours of application could wash this product off of the foliage and a second application might then be needed for acceptable weed control. Refer to specific use sections of this label for additional information on the minimum intervals required before re-application of this product.

Time to Symptoms: This product moves through the plant from the point of foliage contact to and into the root system. Visible effects are a gradual wilting and yellowing of the plant that advances to complete browning of aboveground growth and deterioration of underground plant parts. Effects are visible on most annual weeds within 2 to 4 days, but on most perennial weeds, effects might not be visible for 7 or more days after application. Extremely cool or cloudy weather following application could slow activity of this product and delay development of visual symptoms.

Maximum Application Rates: The maximum application or use rates stated throughout this label are given in units of volume (fluid ounces or quarts) of this product per acre. However, the maximum allowable application rates apply to this product combined with the use of any and all other herbicides containing the active ingredient glyphosate, whether applied separately or in a tank mixture, on a basis of total pounds of glyphosate (acid equivalents) per acre. If more than one glyphosate-containing product is applied to the same site within the same year, you must ensure that the total use of glyphosate (pounds acid equivalents) does not exceed the maximum allowed. See the "INGREDIENTS" section of this label for necessary product information.

Unless otherwise specified on this label, the combined total application of this product on a site must not exceed 5.3 quarts (6 pounds of glyphosate acid) per acre per year. For applications on non-crop sites, or on tree, vious production sites, the combined total application of this product must not exceed 7 quarts (8 pounds of glyphosate acid) per acre per year.

NOTE: Use of this product in any manner not consistent with this label could result in injury to persons, animals or crops, or have other unintended consequences.

### 6.0 WEED RESISTANCE MANAGEMENT

GROUP 9 HERBICIDE

Glyphosate, the active ingredient in this product, is a Group 9 herbicide based on the mechanism of action classification system of the Weed Science Society of America. Any weed population can contain plants that are naturally resistant to Group 9 herbicides. Weeds resistant to Group 9 herbicides can be effectively managed by using another herbicide from a different Group (either alone or in a mixture according to label directions), by using other cultural or mechanical methods of weed control, or a combination of the two-Consult your local company representative, state cooperative extension agent, professional consultant or other qualified authority to determine appropriate actions for controlling specific resistant weeds.

#### 3.1 Weed Management Practices

Resistant populations arise when rare individual plants are uncontrolled by a normal dose of a given herbicide under normal environmental conditions. In the absence of other control measures these individuals survive, produce seed, and eventually become the dominant biotype in the field through continuous selection. The best means of reducing this selection is to use diverse weed control practices such as multiple herbicides with different mechanisms of action, and often in combination with various mechanical and cultural practices.

To minimize the occurrence of herbicide-resistant biotypes, including those resistant to glyphosate, implement the following weed management practice options that are practical to your situation. These management practices are applicable to reduce the spread of confirmed resistant biotypes (managing existing resistant biotypes) and to reduce the potential for selecting for resistance in new species (proactive resistance management).

- Use a diversified approach toward weed management focused or preventing weed seed production and reducing the number of weed seeds in the soil.

  | Compared to the soil of the soil o
- Plant crops into fields that are as weed-free as possible and then keep them as weed-free as possible.
  - . Plant crop seed that is as weed-free as possible.
  - · Scout fields routinely, before and after herbicide application.
  - Use multiple herbicide mechanisms of action that are effective against the most troublesome weeds in your field and against those with known resistance.
  - Apply herbicides at application rates listed on the label when weeds are within the size range indicated on the label.
- Emphasize cultural practices that suppress weeds by using crop competitiveness.
- Use mechanical and biological weed management practices where appropriate.
   Prevent field-to-field and within-field movement of weed seed or vegetative.
- propagules.
- Manage weed seed at harvest and after harvest to prevent a buildup of the weed seedbank.

# **6.2** Management of Glyphosate-Resistant Biotypes

Appropriate testing is needed to determine if a weed is resistant to glyphosate. Call 1-866-998AYER (1-866-992-2937) or contact your Bayer CropScience LP representative to determine if resistance in any particular weed biotype has been confirmed in your area, or visit on the Internet at www.weedresistancemanagement.com or www.weedscience.org.

Glyphosate-resistant weeds can be controlled or managed by applying this product in combination with residual preemergence herbicides and/or other postemergence herbicides labeled for control of the targeted weed in the crop being grown. For more information, see the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label.

Since the occurrence of resistant weeds is difficult to detect prior to use, Bayer CropScience LP accepts no liability for any losses that result from the failure of this product to control resistant weeds.

#### 7 0 MIXING

Spray solutions of this product may be mixed, stored and applied using clean stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS.

Eliminate any risk of siphoning the contents of the tank back into the carrier source while mixing. Use approved anti-back-siphoning devices where required by State or local regulations.

A 50-mesh nozzle screen or line strainer on the spray equipment is adequate. Clean sprayer parts promptly after using this product by thoroughly flushing

#### 7.1 Mixing with Water

with water.

PERFORMANCE OF THIS PRODUCT CAN BE SIGNIFICANTLY REDUCED IF WATER CONTAINING SOIL SEDIMENT IS USED AS CARRIER. DO NOT MIX THIS PRODUCT WITH WATER FROM PONDS OR DITCHES THAT IS VISIBLY MUDDY OR MURKY.

This product mixes readily with water. Mix spray solutions of this product as follows. Begin filling the mixing tank or spray tank with clean water. Add the required amount of this product near the end of the filling process and mix gently. Foaming of the spray solution can occur during mixing. To prevent or minimize foaming, mix gently, terminate bypass and return lines at the bottom of the tank, and, if necessary, add an appropriate anti-foam or defoaming agent to the spray solution.

#### 7.2 Tank Mixtures

This product does not provide residual weed control. This product may be tank-mixed with other herbicides to provide residual weed control in the soil, a broader weed control spectrum, or an alternate mechanism of action.

Some tank-mix products have the potential to cause crop injury under certain conditions, at certain growth stages and/or under other circumstances. Read the label of all products to be used in the tank mixture prior to use to determine the potential for crop injury.

Tank mixtures with other herbicides, insecticides, fungicides, micronutrients or foliar fertilizers could result in reduced weed control or crop injury. Bayer CropScience LP has not tested all tank-mix product formulations for compatibility, antagonism or reduction in product performance. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly specified on this label, or on separate supplemental labeling or Fact Sheets published for this product.

When a tank-mix with a generic active ingredient, such as 2,4-D, atrazine, dicamba, diuron, pendimethalin, or any other product or material, is listed on this label, the user is responsible for ensuring that the specific application being made is included on the label of the product used in the mix.

Refer to all individual product labels, supplemental labeling and Fact Sheets for all products in the tank mixture, and observe all precautions and limitations on the label, including any application timing restrictions, soil restrictions, minimum re-cropping intervals and/or crop rotation restrictions. Use according to the most restrictive precautionary statements for each product in the tank mixture.

For enhanced results, apply tank mixtures with this product at a minimum spray volume rate of 10 gallons per acre.

### 7.3 Tank-Mixing Procedure

Always predetermine the compatibility of all tank-mix products together in the carrier by mixing small proportional quantities in advance.

Mix only the quantity of spray solution that will be applied that day. Application of tank-mix solutions that are allowed to stand overnight could result in reduced weed control. Prepare tank mixtures of this product as follows:

- 1. Place a 20- to 35-mesh screen or wetting basket over the filling port of the tank.
  2. Through the screen, fill the tank one-half full with water and start gentle
- If ammonium sulfate is to be used, add it slowly through the screen into the tank and continue adding water into the tank through the screen. If dry ammonium sulfate is being used, ensure that it is completely dissolved in the tank before adding other products.
- If a wettable powder is used, prepare a slurry of it with water and add it SLOWLY through the screen into the tank while continuing gentle agitation.
- If a flowable formulation is used, premix one part flowable with one part water and add the diluted mixture SLOWLY through the screen into the tank while continuing gentle agitation.
- If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water and add the diluted mixture SLOWLY through the screen into the tank while continuing gentle agitation.
- SLOWLY through the screen into the tank while continuing gentle agitation.

  7. Continue filling the tank with water through the screen and add the required amount of this product near the end of the filling process.
- Add individual tank-mix components to the tank as follows: wettable powders, flowables, emulsifiable concentrates, drift reduction additives, water soluble liquids (this product).

Maintain gentle agitation at all times until the contents of the tank are sprayed out. If the spray mixture is allowed to settle, agitate thoroughly to resuspend the mixture before resuming application.

Keep by-pass and return lines on or near the bottom of the tank to minimize foaming.

A 50-mesh nozzle screen or line strainer on the spray equipment is adequate.

#### .4 Mixing Spray Solution Concentrations

All reference throughout this label to concentration of this product in a spray solution is on a percentage-of-volume basis.

Prepare the desired volume of spray solution at a given concentration by mixing the amount of this product indicated in the following table with water.

Desired Volume of Spray Amount of ROUNDUP WEATHERMAX HERB to Achieve Indicated Concentration in Spray (percent by volume)							
Solution	0.4%	0.7%	1%	1.5%	4%	7%	
ĺ	1 gallon	0.5 fl oz	1 fl oz	1.3 fl oz	2 fl oz	5 fl oz	9 fl oz
	25 gallons	13 fl oz	22 fl oz	1 qt	1.5 qts	4 qts	7 qts
	100 gallons	1.6 qts	2.8 qts	1 gal	1.5 gals	4 gals	7 gals

2 tablespoons = 1 fluid ounce (fl oz)

For filling backpack and pump-up sprayers, consider mixing the appropriate amount of this product with water in a larger container and then filling the sprayer from the larger container.

#### **7**.5 Ammonium Sulfate

Unless otherwise directed, the addition of 1 to 2 percent dry ammonium sulfate by weight (8.5 to 17 pounds per 100 gallons of water), could increase the performance of this product on annual and perennial weeds, particularly under hard water conditions, drought conditions or when tank-mixed with certain residual herbicides. An equivalent amount of a liquid formulation of ammonium sulfate 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 promptly after use to reduce corrosion.

When using ammonium sulfate, apply this product at rates directed on this label; lower application rates will result in reduced performance.

### 7.6 Colorants and Dyes

Colorants and marking dyes may be added to spray solutions of this product; however, they can reduce the performance of this product. Use colorants and dyes according to the manufacturer's directions.

#### 7.7 Drift Reduction Additives

Drift reduction additives may be used with all equipment types, except wiper applicators, sponge bars and controlled droplet applicators (CDA). When a drift reduction additive is used, read and follow all precautions, limitations and all other information on the product label. Use of drift reduction additives can affect spray coverage, which could reduce the performance of this product.

### .O APPLICATION EQUIPMENT AND TECHNIQUES

This product may be applied with the following application equipment:

Aerial Application Equipment—fixed-wing and helicopter

**Ground Application Equipment**—boom or boomless systems, pull-type sprayers, floaters, pick-up sprayers, spray coupes and other ground broadcast application equipment

Handheld Sprayers—backpack sprayers, pump-up pressure sprayers, handguns, handwands, mistblowers\*, lances and other handheld 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 Application Equipment—shielded and hooded sprayers, wiper

applicator, sponge bar

Injection Systems—aerial or ground injection sprayers

Controlled Droplet Applicator (CDA)—handheld or boom-mounted applicators that produce a spray consisting of a narrow range of droplet sizes APPLY THIS PRODUCT USING PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF ACCURATELY DELIVERING DESIRED VOLUMES.

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

### 8.1 Spray Drift Management

AVOID CONTACT OF THIS HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES, EXCEPT AS DIRECTED FOR USE ON ROUNDUP READY\* CROPS, AS SEVERE PLANT INJURY OR DESTRUCTION COULD RESULT.

Do not allow the herbicide solution to mist, drip, drift, or splash onto desirable vegetation, as small quantities of this product can cause severe damage or destruction to the crop, plants or other vegetation on which application was not intended.

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

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and grower are responsible for considering all these factors when making decisions regarding the application of this product.

The likelihood of injury occurring as the result of spray drift while applying 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 generation of fine particles (mist) that are likely to drift.

TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE

BUFFERS MUST BE MAINTAINED. AVOID APPLYING THIS PRODUCT AT EXCESSIVE SPEED OR SPRAYER

### 8.2 Aerial Application Equipment

PRESSURE.

Unless otherwise prohibited, all applications of this product described on this label may be made using aerial application equipment where appropriate, provided that the applicator complies with the precautions and restrictions specified on this label or on separate supplemental labeling published for this product.

DO NOT APPLY THIS PRODUCT USING AERIAL APPLICATION EQUIPMENT EXCEPT UNDER CONDITIONS SPECIFIED ON THIS LABEL OR ON SEPARATELY PUBLISHED SUPPLEMENTAL LABELING FOR THIS PRODUCT.

FOR SPECIFIC USE INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS RELATED TO THE AERIAL APPLICATION OF THIS PRODUCT IN ARKANSAS AND

CALIFORNIA, OR SPECIFIC COUNTIES THEREIN, REFER TO THE LIMITATIONS ON AERIAL APPLICATION IN THAT STATE OR COUNTY PRESENTED IN THIS SECTION.

Unless otherwise directed, the maximum single application rate of this

Unless otherwise directed, the maximum single application rate of this product is 44 fluid ounces per acre when using aerial application equipment. Apply this product at the appropriate rate in 3 to 15 gallons of water per acre unless otherwise directed on this label or on separate supplemental labeling for this product. Refer to the individual use sections of this label for application rates, sorary volumes and additional directions for use.

Drift control reduction additives may be used.

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

#### 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 COULD RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR IS MOST SUSCEPTIBLE. The maintenance of an organic coating (paint) that meets aerospace specification MIL-C-38413 can help prevent corrosion.

#### AERIAL SPRAY DRIFT MANAGEMENT

The following drift management requirements must be followed to minimize off-target drift movement during aerial application.

- The distance of the outermost nozzles on the boom must not exceed 3/4 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 followed.

#### 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 the application is made improperly or under unfavorable environmental conditions, such as in windy, high temperature with low humidity, and/or inversion conditions as described helow.

#### 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: Operate at a sprayer pressure towards the lower end of the range listed 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 the 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 air stream, 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 <sup>3</sup>/<sub>4</sub> of the wingspan or rotor length could further reduce drift
  without reducing swath width.
- Application height: Application must be made at a height of 10 feet or less above the top of the largest plants, unless a greater height is required for aircraft safety. Making the application at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

#### Swath Adjustment

When an application is made with a crosswind present, the swath will be displaced downwind. Therefore, on the upwind and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Increase the swath adjustment distance with increasing drift potential (higher wind, smaller droplets, etc.).

#### Wind

Drift potential is lowest at wind speeds of between 2 and 10 miles per hour. However, many factors, including droplet size and equipment type, determine drift potential at any given wind speed. Avoid application when wind speeds are 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 an application in low relative humidity, set application equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

#### Temperature Inversion

Do not apply this product during a temperature inversion as drift potential is high under these conditions. Temperature inversions restrict vertical air mixing, which causes small droplets to remain suspended 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

Apply this product only 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 a sensitive area).

Avoid direct application to any body of water.

State Specific Limitations on Aerial Application

#### LIMITATIONS ON AERIAL APPLICATION IN CALIFORNIA ONLY

DO NOT apply this product using aerial application equipment in residential areas.

AVOID DRIFT — DO NOT APPLY WHEN WINDS ARE GUSTY OR UNDER ANY
OTHER CONDITION THAT FAVORS DRIFT. DRIFT OF THIS PRODUCT ONTO
ANY VEGETATION TO WHICH APPLICATION WAS NOT INTENDED CAN CAUSE
DAMAGE. TO PREVENT INUURY TO ADJACENT DESIRABLE VEGETATION, USE
PROPER AERIAL APPLICATION EQUIPMENT FITTED WITH APPROPRIATE
NOZZLES AND MAINTAIN ADEQUATE BUFFERS.

Follow the directions below when making an aerial application near non-target crops, desirable annual vegetation, or desirable perennial vegetation after bud break and before total leaf drop.

- Do not apply this product within 100 feet of all desirable vegetation or non-target crops.
- If winds are blowing up to 5 miles per hour TOWARD desirable vegetation or non-target crops, do not apply this product within 500 feet of the desirable vegetation or crops.
- If winds are blowing between 5 and 10 miles per hour TOWARD desirable vegetation or non-target crops, a buffer zone greater than 500 feet might be needed to protect the desirable vegetation or crops.
- Do not apply this product using aerial application equipment when winds are blowing in excess of 10 miles per hour.
- Do not apply this product using aerial application equipment when inversion conditions exist.

When tank-mixing this product with 2,4-D, only 2,4-D amine formulations may be applied in California using aerial application equipment. Tank mixtures of this product with 2,4-D amine formulations may be applied by air in California on fallow fields and in reduced tillage systems, and for alfalfa and pasture renovation applications only.

This product, when tank-mixed with dicamba, may not be applied by air in California

#### ADDITIONAL LIMITATIONS ON AERIAL APPLICATION In Fresno County, California only

Always read and follow the label directions and precautionary statements for all products used in the aerial application.

The following information applies only from February 15 through March 31 within the following boundaries of Fresno County, California:

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

Observe the following directions to minimize off-site movement during aerial application of this product. Minimization of off-site movement is the responsibility of the grower, Pest Control Advisor and aerial applicator.

#### Written Directions

Written directions MUST be submitted by or on behalf of the applicator to the Fresno County Agricultural Commissioner 24 hours prior to the application. These written directions MUST state the proximity of surrounding crops and that conditions of each manufacturer's product label and this label have been satisfied.

#### **Aerial Applicator Training and Equipment**

Aerial application of this product 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 spray 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-ins 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 additional information on the proper aerial application of this product in Fresno County, call 1-866-99BAYER (1-866-992-2937).

#### LIMITATIONS ON AERIAL APPLICATION IN ARKANSAS ONLY

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.

Apply this product at the appropriate rate 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. Coarse droplets in the 300 to 500 (VMD) micron range have a lower drift potential.

Applications are typically to 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 percent of the length of the wingspan or rotor. In many cases, reducing this, distance to 65 percent 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 airflow 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 can occur when wind speeds are less than 2 miles per hour.

Follow the directions below when an aerial application is made near non-target crops or other desirable vegetation:

- 1. Do not apply this product within 100 feet of non-target crops or any desirable vegetation. 2. If winds are blowing up to 5 miles per hour TOWARD non-target crops or
- desirable vegetation, do not apply this product within 500 feet upwind of the crop or desirable vegetation.
- 3. If winds are blowing between 5 and 10 miles per hour TOWARD non-target crops or desirable vegetation, a buffer zone greater than 500 feet might be needed to protect the crop or desirable vegetation.

#### 8.3 **Ground Application Equipment**

Apply this product at the appropriate rate as specified on this label in 3 to 40 gallons of water per acre when making a broadcast application using ground application equipment, unless otherwise directed on this label or on separate supplemental labeling or Fact Sheets published for this product. As the weed density increases, increase the spray volume towards the upper end of this range to ensure complete coverage. Use nozzles that will avoid generating a fine mist. For enhanced results with ground application equipment, use flat-fan nozzles. Check spray pattern for uniform distribution of spray droplets.

### **Handheld Sprayers**

When using a handheld sprayer, apply spray solutions of this product uniformly and completely to the foliage of target weeds using a coarse droplet spectrum and a spray-to-wet technique; do not spray to the point of runoff. For the appropriate concentration of this product in the spray solution and timing of application to control specific weeds, woody brush, trees and vines, refer to the "ANNUAL WEEDS RATE SECTION." "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label.

Spot treatment application of this product for weed control in a cropping system using a handheld sprayer may be made only when specifically directed on this label or on separate supplemental labeling for this product. The crop sprayed with this product will be killed along with the weeds. Take care not to spray or allow spray to drift outside the target area in order to avoid unwanted crop destruction.

#### 8.5 Selective Application Equipment

Selective application equipment allows this product to be applied to weeds growing near the crop or other desirable vegetation without killing the desirable vegetation. Selective application equipment must be capable of preventing all contact of the herbicide solution with the crop or other desirable vegetation and operated without spray mist escape, leakage, or dripping of the herbicide solution.

AVOID CONTACT OF THIS HERBICIDE WITH DESIRABLE VEGETATION. Contact of this product with desirable vegetation could result in unwanted plant damage or destruction. To the extent consistent with applicable law, such damage shall be the sole responsibility of the applicator.

#### Shielded and Hooded Sprayers

A shielded sprayer directs the herbicide solution to the target weeds while protecting the crop or other desirable vegetation from being contacted by the herbicide spray with an impervious material or shield. Use nozzles that provide uniform coverage within the application area. Keep shields properly adjusted to protect desirable vegetation.

A hooded sprayer is a type of shielded sprayer where the spray pattern is fully enclosed, including the top, sides, front and back, thereby shielding the crop or other desirable vegetation from the spray solution.

This product may be diluted in water and applied using a shielded or hooded sprayer to weeds listed on this label growing on any non-crop site described on this label and in between rows of plants (row middles) in any cropping system listed on this label.

Properly adjust the hood to protect desirable vegetation. Ensure that the hood is capable of completely enclosing the spray pattern. If necessary when applying around crops grown on raised beds, extend the front and rear flaps of the hooded sprayer downward to reach the ground in deep furrows.

A hooded sprayer must be configured and operated in a manner that minimizes bouncing and avoids raising the hood up off the ground surface at any time. If the hood is raised, spray particles can escape and come into contact with the crop, causing damage to or destruction of the crop or other desirable vegetation. Avoid operating this equipment on rough or sloping terrain where the spray hood is likely to rise up off the ground surface.

Use hoods designed to minimize excessive dripping or runoff down the inside of the hood, such as 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, with a spray volume of 20 to 30 gallons per acre.

The following procedures will help reduce the potential for crop injury when using a hooded sprayer:

- . Operate the sprayer with the hood on the ground or skimming across the ground surface.
- Leave at least an 8-inch untreated strip over the drill row. (For example. if the crop row width is 38 inches, make the maximum width of the spray
- Operate at a ground speed of no greater than 5 miles per hour to minimize bouncing of the hooded sprayer.
- . Apply when wind speed is 10 miles per hour or less.
- Use low-drift nozzles that provide uniform coverage within the application

Injury to a crop or other desirable vegetation can occur when application is made to foliage of weeds that come into direct contact with the crop or desirable vegetation. Do not apply this product when leaves of desirable vegetation are growing in direct contact with weeds. Droplets, mist, foam or splatter of the herbicide solution settling onto desirable vegetation can result in discoloration, stunting or destruction.

#### Wiper Applicator

A wiper applicator is a device that physically wipes this product or solutions of this product directly onto the target weed or cut stump. Any handheld device that is capable of physically wiping this product or solutions of this product directly onto the target weed or cut stump, such as a paint brush, may be used.

A mechanical wiper applicator, such as a rope wick or sponge bar that can be driven through a field over the top of a crop or other desirable vegetation to control weeds that are taller than the desirable vegetation, must be designed. maintained and operated to prevent the herbicide solution from contacting desirable vegetation.

Wiper applicators may be used over the top of food or feed crops ONLY if specifically permitted for use over that crop by this label or by separately published supplemental labeling for this product.

When using a mechanical wiper applicator, adjust the height of the applicator to ensure adequate contact with weeds and so that the wiper contact point is a minimum of 2 inches above the desirable vegetation. Enhanced results can be obtained when more of the weed is exposed to the herbicide solution and weeds are a minimum of 6 inches above the desirable vegetation. Weeds that do not come into contact with the herbicide solution will not be affected. Poor contact can occur when weeds are growing in dense clumps, when operating in an area of severe weed infestation, or when weed height varies dramatically. In these situations, more than one application of this product might be necessary.

Operate wiper applicators at a ground speed of no greater than 5 miles per hour. Performance in areas of heavy weed infestation can be improved by reducing speed, which will provide more time for re-saturation of the wiper with the herbicide solution and more contact time of the wiper with the weed. Enhanced results with a wiper applicator can be obtained when two applications are made traveling in opposite directions in the field.

Keep wiper surfaces clean.

Droplets, mist, foam or splatter of the herbicide solution settling onto desirable vegetation can result in discoloration, stunting or destruction. Avoid leakage or dripping onto desirable vegetation. Be aware that on sloping ground the herbicide solution can migrate to one side, causing dripping on the lower end and drying of the wiper on the upper end of the applicator.

Do not apply this product using a wiper applicator when weeds are wet.

Do not add surfactant to the herbicide solution when using a wiper applicator.

For Rope and Sponge Wick Applicators—use solutions ranging from 33 to 75 percent of this product in water.

For Panel Applicators—use solutions ranging from 33 to 100 percent (undiluted) of this product in water.

Mix only the amount of this product that will be used during a 1-day period. as reduced product performance can result from the use of solutions held

Clean wiper parts promptly after using this product by thoroughly flushing with water.

#### 8.6 Injection Systems

This product may be used in aerial and ground injection spray systems as a liquid concentrate or diluted prior to injecting into the spray stream. Do not mix this concentrated product with the undiluted concentrate of other products for use in injection systems, unless otherwise directed.

# Controlled Droplet Applicator (CDA)

The amount of this product applied per acre using a controlled droplet applicator (CDA) must be no less than the rate specified on this label for application using conventional broadcast application equipment.

A controlled droplet applicator produces a spray pattern that is not easily visible. Use extreme care to avoid spray or drift from contacting the foliage or any other green tissue of desirable vegetation, as plant damage or destruction could result.

#### 9.0 ANNUAL AND PERENNIAL CROPS

THIS SECTION PROVIDES DIRECTIONS FOR USE OF THIS PRODUCT THAT APPLY TO ALL CROPS LISTED IN THE FOLLOWING SECTIONS. SEE THE INDIVIDUAL CROP SECTIONS FOR SPECIFIC USE INSTRUCTIONS, PREHARVEST INTERVALS. AND ADDITIONAL PRECAUTIONS AND RESTRICTIONS

See the "ROUNDUP READY CROPS" section of this label or separately published supplemental labeling for this product for directions for use in Roundup Ready

TYPES OF APPLICATION: Chemical Fallow: Preplant Fallow Beds: Preplant: At-Planting: Preemergence: Hooded Sprayer in Row Middles: Shielded Sprayer in Row Middles; Wiper Applicator in Row Middles; Post-Harvest

USE INSTRUCTIONS: This product may be applied during fallow intervals preceding planting, prior to planting or transplanting, at-planting, of preemergence to annual and perennial crops listed on this label, except where specifically limited. For any crop not listed on this label, application must be made a minimum of 30 days prior to planting. Unless otherwise directed, apply this product according to the rates listed in the "ANNUAL WEEDS RATE SECTION." "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label. Application rates specified on this label: for hard-to-control weeds, or those specified on separate supplemental labeling for this product, supersede the rates in the "ANNUAL WEEDS RATE SECTION," "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label. Additional information on hard-to-control weeds can be found on Fact Sheets published for this product.

Application of this product may be repeated as needed up to a maximum of 5.3 quarts per acre per year. Refer to specific use sections of this label for additional information on minimum intervals required before re-application of this product.

Hooded sprayers and wiper applicators capable of preventing all contact of the herbicide solution with the crop may be used in mulched or unmulched row middles after crop establishment. Wiper applicators may be used over the top of crops to control tall weeds only when specifically directed in the individual crop sections that follow. Crop injury is possible with these methods of application. Refer to the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for information regarding the potential for crop injury using selective application equipment.

Spot treatment application of this product for weed control in a cropping system may be made only when specifically directed in the individual crop sections

Unless otherwise prohibited, all applications of this product described in the sections that follow may be made using aerial application equipment where appropriate, provided that the applicator complies with the precautions and restrictions specified on this label and on all supplemental labeling published for this product. Refer to the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for information on aerial application and procedures for avoiding spray drift that could cause injury to any vegetation not intended for application. Use of appropriate buffers will help prevent injury to adjacent vegetation.

TANK MIXTURES: This product may be tank-mixed with other herbicides to provide residual weed control, a broader weed control spectrum or an alternate mechanism of action. Always read and follow label directions for all products in the tank mixture. Use all products according to rates and timing specified on the label. Some tank-mix products have the potential to cause crop injury. Read the label of all products in the tank mixture prior to use to determine the potential for crop injury. Always predetermine the compatibility of tank-mix products together in the carrier by mixing small proportional quantities in advance. Mixing other products with this herbicide in the spray tank can cause incompatibility, antagonism, or a reduction in the efficacy of this product, Bayer CropScience LP has not tested all product formulations for compatibility or performance in a tank-mix with this product. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not specifically identified on this label or on separate supplemental labeling or Fact Sheets for this product. See the "MIXING" section of this label for more information on tank mixtures.

por more information on tank mixtures.

PRECAUTIONS: Avoid contact of this herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops, as severe crop injury or destruction could result. Transplant seedlings coming into contact with weeds that are still wet with a spray solution of this product could result in significant crop injury. When making preemergence applications, application must be made before crop emergence to avoid severe crop injury. Broadcast application of this product at emergence will result in injury or death of emerged seedlings. Apply before seed germination in coarse sandy soils to further minimize the risk of crop injury. In crops where spot treatment is allowed, the crop sprayed with this product will be killed along with the weeds. Take care not to spray or allow sport by drift dustible the tareet area.

AND TECHNIQUES" section of this label for additional information.

Preharvest application on crops grown for seed could result in a reduction in germination or vigor. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on any crop grown for seed.

in order to avoid unwanted crop destruction. See the "APPLICATION EQUIPMENT

RESTRICTIONS: Observe the maximum application rates stated throughout this label. Maximum application rates apply to the use of this product combined with the use of any and all other herbicides containing glyphosate as the active ingredient, whether application rates (glyphosate acid equivalents) and ensure that the total use of this and other glyphosate-containing products does not exceed the stated maximum rate. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

Unless otherwise directed on this label, application using selective equipment, including wiper applicators and hooded sprayers, must be made a minimum of 14 days prior to harvest. In crops where spot treatment is allowed, do not apply this product to more than 10 percent of the total field to be harvested, bulless otherwise directed. Post-harvest and fallow applications must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

Do not harvest or feed vegetation from an area for 8 weeks following broadcast postemergence application, unless otherwise directed.

When applying this product as a tank mixture with one or more products, refer to each individual tank-mix product label for restrictions and apply the mixture in accordance with the most restrictive statements for each product in the tank.

# 9.1 Cereal and Grain Crops

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

TYPES OF APPLICATION: Those listed in Section 9.0, plus Red Rice Control Prior to Planting Rice; Spot Treatment (except rice); Control of Barnyardgrass in Rice Using Renovation Treatment (California only); Wiper Applicator (feed barley and wheat only); Preharvest (feed barley and wheat only)

#### Preplant, At-Planting, Preemergence

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

#### Red Rice Control Prior to Planting Rice

USE INSTRUCTIONS: Flush fields prior to application to obtain uniform germination and stand of red rice and then apply 32 fluid ounces of this product in 5 to 10 gallons of water per acre when the majority of the red rice plants are at the 2-leaf stage and no more than 4 inches tall. Red rice plants with less than 2 true leaves might only be partially controlled. Avoid spraying during conditions of low humidity, as reduced control of red rice could result. RESTRICTIONS: Do not apply this product to rice fields or levees when fields contain floodwater. Do not flood fields for a minimum of 8 days following

#### Spot Treatment (Except Rice)

field area to be harvested.

application.

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

RESTRICTIONS: Do not apply this product to more than 10 percent of the total

#### Control of Barnyardgrass in Rice Using Renovation Treatment (California Only)

THIS APPLICATION FOR USE IN CALIFORNIA ONLY

USE INSTRUCTIONS: This product may be applied as a renovation treatment in rice crops to control barnyardgrass. [*Echinochola crus-galii*) infestations using ground broadcast application equipment or a handheld sprayer. Renovation is defined as an herbicide application that will result in crop and weed destruction in an entire field or configuous area within a field.

RESTRICTIONS: Rice straw and stubble from the application area, including a 25-foot buffer zone on all sides, may not be used for animal bedding, grazing, or any other feed purpose. DO NOT make this application using aerial application equipment.

#### Wiper Applicator (Feed Barley and Wheat Only)

USE INSTRUCTIONS: This product may be applied over the top of feed barley and wheat using a wiper applicator to control tall weeds. To control common ye or cereal rye, apply after weeds have headed and achieved maximum growth. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Allow a minimum of 35 days between application and harvest. Do not use roller applicator.

#### Preharvest (Feed Barley and Wheat Only)

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

Apply this product in 10 to 20 gallons of water per acre when using ground application equipment and in 3 to 10 gallons of water per acre when using aerial application equipment.

RESTRICTIONS: Do not apply more than 22 fluid ounces of this product per acre for preharvest application. Allow a minimum of 7 days between application and harvest or grazing.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of cereal crops. Higher rates might be needed to control large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4–0 or dicamba may be used. Ensure that the product used is labeled for weed control following harvest of cereal crops. Read and follow label directions for all products in the teark mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

#### Q.2 Corn

Preharvest

TYPES OF CORN: Field corn; Popcorn; Seed corn; Silage corn; Sweet corn
TYPES OF APPLICATION: Those listed in Section 9.0. plus Spot Treatment:

For directions for use with field corn hybrids with Roundup Ready 2 Technology (including Roundup Ready Corn 2 and field corn products displaying the Roundup Ready 2 Technology logo), or with sweet corn hybrids with Roundup Ready 2 Technology (including Roundup Ready Sweet Corn and sweet corn products displaying the Roundup Ready 2 Technology logo), see the "ROUNDUP READY CROPS" section of this label.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank-mix before, during or after planting com, but prior to crop emergence.

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

Ensure that the product used is labeled for application prior to the planting or the emergence of the type of corn crop being grown. Read and follow label directions for all products in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre.

2,4-D; acetochlor; atrazine; bicyclopyrone; carfentrazone-ethyl; clopyralid; dicamba; diffurenzopyr; dimethenamid; dimethenamid-p; furdaged; furnet halms, flumptale per publicates; incompliances.

2,4-0; aceucinior; autazinie; bicyclopytorie; calreinazonie-erungiciocopyralid; dicamba; diffurezopyr, dimethenamid; dimethenamid-p; flufenacet; flumetsulam; flumiclorac pentyl ester; isoxaflutole; linuron; mesotrione; metolachlor; s-metolachlor; metribuzin; pendimethalin; rimsulfuron; saflufenacil; simazine; thiencarbazone-methyl Altrex Mine-O; Acuron; Acuron Flexi, Aim EC; Aim EW; Atrazine 4L; Atrazine 90 DF; Axiom DF; Balance Flexx; Banvel; Banvel 480; Bicep II

MAGNUM, Bicep II MAGNUM FC; Bicep Lite II MAGNUM; Callisto, Cinch; Cinch ATZ, Cinch ATZ Lite, Clarity, Corvus, Degree Xtra; Distinct; Dual MAGNUM; Dual II MAGNUM; FulTime; FulTime IXT; Guardsman MAX, Harness, Harness Xtra; Harness Xtra 5.6L; Hornet WDG Broadleaf Blend, Keystone; Keystone LA NXT; Keystone IX, Excapting Literator, Lachor II; Outlook, Prowl 3.3 EC; Prowl HZO; Pythom WDG; Resolve Dr; Resolve Dr; Resolve SG; Resolve SG; Resolve; Shark EW, Shark HZO; Sharpen Powered by Kixor; Simazine 4L Flowable; Simazine 90 DF; Simazine 90 WDG; Stalwart; Stalwart C; Stalwart Xtra; Stinger; Surpass EC; Surpass NXT; TopNotch; TripleFLEX II For hard-to-control annual weeds, such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and

Pennsylvania smartweed up to 6 inches tall, apply 22 fluid ounces of this product per acre in these tank mitures. For other annual weeds listed on this label, apply 16 to 22 fluid ounces of this product per acre when weeds are less than 6 inches tall and 22 to 32 fluid ounces per acre when weeds are over 6 inches tall. When using a nitrogen solution as the carrier, higher application rates might be needed for acceptable weed control.

RESTRICTIONS: Application of 2,4-D or dicamba must be made a minimum of 7 days prior to planting corn.

/ days prior to planting corn.
In Southern states, do not mix this product in nitrogen solutions for application to hard-to-control grasses, such as barnyardgrass, fall panicum, broadleaf signalgrass, annual ryegrass and any perennial weeds. This area includes illinois and Indiana south of Route 50, Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, New Jersey, North Carolina,

#### **Hooded Sprayer**

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

Oklahoma, South Carolina, Tennessee, Texas, Virginia and West Virginia.

RESTRICTIONS: Corn must be at least 12 inches tall, measured without extending leaves. Do not apply more than 22 fluid ounces of this product per acre for each hooded sprayer application and no more than 64 fluid ounces per acre per year total.

#### **Spot Treatment**

USE INSTRUCTIONS: This product may be applied as a spot treatment prior to silking of corn.

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

#### Preharvest

USE INSTRUCTIONS: Up to 64 fluid ounces of this product per acre may be applied using ground application equipment, or up to 44 fluid ounces per acre using aerial application equipment, when kernel-fill is complete and the com is physiologically mature (black layer formed) and grain moisture is 35 percent or less.

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

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of corn. Higher rates might be needed to control large weeds that were growing in the field at the time of harvest. Tank mixtures with 2.4—D or dicamba may be used. Ensure that the product used is labeled for post-harvest application in corn. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or feeding of vegetation within the application area. Application of this product hust be made a minimum of 30 days prior to planting any crop not listed on this label.

# 9.3 Cotton

TYPES OF APPLICATION: Those listed in Section 9.0, plus Selective Equipment; Spot Treatment: Preharvest

For directions for use with Roundup Ready cotton and Roundup Ready Flex cotton, see the "ROUNDUP READY CROPS" section of this label.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting cotton, but prior to crop emergence.

TANK MIXTURES: This product may be tank-mixed with 2,4-D or Clarity and applied prior to planting only. This product may also be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to planting or the emergence of cotton. Read and follow label directions for all products used in the tank mixture. Apoly these tank mixtures in 10 to 20 allons of water per acre.

acetochlor; clomazone; diuron; flumioxazin; fluometuron; fomesafen; metolachlor; s-metolachlor; norflurazon; pendimethalin; prometyrn; pyrithiobac-sodium, saflufenacil

Caparol 4L; Command 3ME; Cotoran 4L; Cotton Pro; Dawn; Direx 4L; Dual MAGNUM; Dual II MAGNUM; Karmex DF; Prowl 3.3 EC; Prowl H2O; Reflex; Rowel; Sharpen Powered by Kixor; Stalwart; Staple LX; Valor SX; Warrant: Warrant Ultra

#### Selective Equipment

USE INSTRUCTIONS: This product may be applied using a hooded or shielded sprayer, or over the top of cotton using a wiper applicator to control tall weeds. See additional instructions on the use of this selective equipment in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

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

#### Spot Treatment

 $\ensuremath{\mathsf{USE}}$  INSTRUCTIONS: This product may be applied in cotton as a spot treatment prior to boll opening.

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

#### Preharves

USE INSTRUCTIONS: This product provides weed control and cotton re-growth inhibition when applied prior to harvest. For weed control, apply at rates given in the "AMNUAL WEEDS RATE SECTION" and "PERFINIAL WEEDS RATE SECTION" of this label. For cotton re-growth inhibition, apply 16 to 44 fluid ounces of this product per acre. Make preharvest application only after sufficient bolls have developed to produce the desired yield. Application made prior to this time could affect maximum yield optential.

TANK MIXTURES: This product may be tank-mixed with DEF 6, Dropp, Folex, Ginstar, or Prep to enhance cotton leaf-drop. Read and follow label directions for all products used in the tank mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest. DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR PREHARVEST APPLICATION TO COTTON.

#### .4 Fallow Systems

This product may be applied during the fallow period prior to planting or emergence of any crop listed on this label. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

TYPES OF APPLICATION: Chemical Fallow; Preplant Fallow Beds; Aid-to-Tillage

#### Chemical Fallow

USE INSTRUCTIONS: This product may be used as a substitute for tillage to control annual weeds in fallow fields. Broadcast or spot treatment application will also control or suppress many perennial weeds in fallow fields. Tank-mix this product with 2,4-D or dicamba for a broader weed control spectrum. Aerial application of up to 44 fluid ounces of this product per acre may be made onto fallow fields where there is sufficient buffer to prevent injury due to drift onto adjacent crops.

PRECAUTIONS: Some crop injury could occur if dicamba is applied within 45 days of planting.

#### **Preplant Fallow Beds**

USE INSTRUCTIONS: This product will control weeds listed in the "ANNUAL WEEDS RATE SECTION," "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH. TREES AND VINES RATE SECTION" of this label prior to planting.

TANK MIXTURES: Apply 8 fluid ounces of this product per acre in a tank-mix with an appropriate rate of Goal 2XL to control the following weeds up to the maximum height or length indicated: 3 inches—common cheeseweed, chickweed, croundsel: 6 inches—London rocket. Shepherd's-purse.

Apply 11 fluid ounces of this product per acre in a tank-mix with an appropriate rate of Goal 2XL to control the following weeds up to the maximum height or length indicated: 6 inches—common cheeseweed, groundsel, marestall (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 prior to the planting of crops listed on this label (preplant), to control downy brome, cheat, volunteer wheat, tansy mustard and foxtail. Apply 8 fluid ounces of this product in 3 to 10 gallons of water per acre before weeds are 6 inches in height. Application must be followed by conventional tillage no later than 15 days after application and before re-growth occurs. Allow a minimum of 1 day after application before tillage.

PRECAUTIONS: Tank mixtures with residual herbicides could result in reduced

#### 9.5 Grain Sorghum (Milo)

performance of this product.

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment; Wiper Applicator: Preharvest

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting grain sorghum, but prior to crop emergence.

TANK MIXTURES: This product may be tank-mixed with the following products. Ensure that the product used is labeled for application prior to planting or emergence of grain sorghum. Read and follow label directions for all products used in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre.

acetochlor: atrazine: metolachlor: s-metolachlor: saflufenacil

Bicep II MAGNUM; Bicep II MAGNUM FC; Bicep Lite II MAGNUM; Degree Xtra; Dual MAGNUM; Dual II MAGNUM; Sharpen Powered by Kixor; Warrant

For hard-to-control annual weeds, such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply 22 fluid ounces of this product per acre in a tank mixture with one or more of the products listed here. For control of other annual weeds listed on this label, apply 16 to 22 fluid ounces of this product per acre when weeds are less than 6 inches tall, and 22 to 32 fluid ounces per acre when weeds are over 6 inches tall. When using a nitrogen solution as the carrier, the application rate might need to be increased to achieve acceptable weed control.

#### Spot Treatment, Wiper Applicator

USE INSTRUCTIONS: This product may be applied as a spot treatment in grain sorghum before heading. This product may also be applied over the top of grain sorghum using a wiper applicator to control or suppress tall weeds. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: For spot treatment, do not apply this product to more than 10 percent of the total field area to be harvested. When applied using a wiper applicator, allow a minimum of 40 days between application and harvest. Do; not use a roller applicator. Do not feed or graze grain sorghum fodder or ensile vegetation within the application area.

#### Hooded Sprayer

USE INSTRUCTIONS: This product may be applied using a hooded sprayer for weed control in between rows of grain sorghum. Make application before grain sorghum sends tillers between the drill rows. If tillers are sprayed with this herbicide, the main plant could be damaged or destroyed. Contact of this product in any manner with any vegetation to which application is not intended could cause damage. Only hooded sprayers that completely enclose the spray, pattern may be used. See additional instructions on the use of hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Grain sorghum must be at least 12 inches tall, measured without extending leaves. Do not graze or feed grain sorghum forage or fodder following application of this product using a hooded sprayer. Do not apply more than 22 fluid ounces of this product per acre per hooded sprayer application and no more than 64 fluid ounces per acre per year total.

#### Preharvest

USE INSTRUCTIONS: Up to 44 fluid ounces of this product per acre may be applied after sorghum grain has reached 30 percent moisture or less. As with other herbicides that cause sudden plant death, avoid preharvest application of this product on grain sorghum (milo) infected with charcoal rot as lodging can occur. RESTRICTIONS: Allow a minimum of 7 days between application and harvest of grain sorghum. Preharvest application of this product on grain sorghum (milo) is not resistered for use in California.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of grain sorghum. Higher application rates might be needed to control large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for post-harvest application in grain sorghum (milo). Read and follow label directions for all products in the tank mixture.

This product may be applied to grain sorghum stubble following harvest to control or suppress re-growth. Apply 22 fluid ounces of this product per acre for control or 16 fluid ounces per acre for suppression.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

### 9.6 Herbs and Spices

LABELED CROPS: Allspice; Angelica; Star anise; Annatto (seed); Balm; Basil; Borage, Burnet, Camomile; Caper buds; Caraway; Black caraway; Cardamom; Cassia bark; Casais bark; Carbin; Cellery seef, Chrevil (direid); Chive; Chinese chive; Cinnamon; Clary; Clove buds; Coriander leaf (cilantro or Chinese parsley); Coriander seed (cilantro); Oostmany; Culantro (leaf); Culantro (seed.); Cumin; Curry (leaf); Dill (sellevel); Dill (seed); Epazote; Fennel seed (common and Florence); Fenugreek; White ginger flower; Grains of paradise; Horehound; Hyssop; Juniper berry; Lavender; Lemongrass; Lovage (leaf and seed); Mace; Marigold, Marjoram (including oregano); Mexican oregano; Mioga flower; Mustard (seed); Nasturtium; Nutmeg; Parsley (dried); Pennyroyal; Pepper (black and whitle); Pepper leaves; Peppermint; Perilla; Poppy (seed); Rosemany; Rue; Saffro; Sage; Savory (summer and winter); Spearmint; Stevia leaves; Sweet bay; Tansy; Tarragon; Thyme; Vanilla; Wintergreen; Woodruff; Wormwood TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment (peppermint and spearmint only); Wiper Applicator (peppermint and spearmint only)

PRECAUTIONS: This product could cause crop injury when applied prior to transplanting or direct-seeding crops into plastic mulch. Remove residual product from the plastic prior to planting with a single 0.5-inch application of

water, either by natural rainfall or by irrigation. Ensure that the wash water flushes off the plastic mulch and does not enter the transplant holes. Application made at crop emergence will result in injury or death of emerged spedlings.

#### Spot Treatment, Wiper Applicator (Peppermint and Spearmint Only)

USE INSTRUCTIONS: This product may be applied as a spot treatment in peppermint and spearmint or over the top of peppermint and spearmint with a wiper applicator to control tall weeds. Application may be repeated on the same area at 30-day intervals. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest. For spot treatment application, do not apply this product to more than 10 percent of the total field area to be harvested.

### 9.7 Oilseed Crops

LABELED CROPS: Borage; Buffalo gourd; Calendula; Canola; Castor oil plant; Chinese tallowtree, Crambe; Cuphea; Echium; Euphorbia; Evening primrose; Flax; Gold of pleasure; Hare's ear mustard, Jojoba; Lesquerella; Meadowfoam; Milkweed; Mustard; Niger seed; Oil radish; Poppy; Rape; Rose hip; Safflower; Sesame; Stokes aster; Sunflower; Sweet rocket; Tallowwood; Tea oil plant; Vernonia For directions for use with Roundup Ready canola and TurFlex\*\* Roundup Ready\*\* canola, see the "ROUNDUP READY CROPS" section of this label.

TYPES OF APPLICATION: Those listed in Section 9.0, plus Preharvest (except buffalo gourd)

DEE INSTRUCTIONS: Refer to the following table for maximum application rates of this product for use in safflower, sunflower and all other oilseed crops listed in this section, if a preharvest application is to be made. If a preharvest application is NOT to be made, the maximum application rate of this product for all preemergence, selective equipment and post-harvest applications in any oilseed crop listed in this section is limited only by the maximum of 5.3 quarts per acre per year. If a preharvest application is intended to be made to any crop listed in this section, except buffalo gourd, the maximum combined total of all preemergence and selective equipment applications is limited as indicated in the following table. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Anablication Rates.

Maximum Application Rates if a Preharvest Application is Made		
Safflower		
Combined total for all Preemergence and Selective Equipment applications	64 fluid ounces per acre	
Preharvest application	64 fluid ounces per acre	
Sunflower		
Combined total for all Preemergence and Selective Equipment applications	22 fluid ounces per acre	
Preharvest application	22 fluid ounces per acre	
All Other Oilseed Crops Listed (Except Buffalo Gourd)		
Combined total for all Preemergence and Selective Equipment applications	44 fluid ounces per acre	
Preharvest application	32 fluid ounces per acre	
PECTRICTIONS. Do not exceed a total application rate of 5.3 quarte of this		

RESTRICTIONS: Do not exceed a total application rate of 5.3 quarts of this product per acre per year. Preharvest application is not permitted on buffalo bourd.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting bilseed crops listed in this section, but must be applied prior to crop emergence. Observe the maximum application rates listed at the beginning of this section.

TANK MIXTURES: For sunflower, a tank mixture with pendimethalin may be applied before, during or after planting into conventionally tilled soil, a cover crop, established sod or previous crop residue.

RESTRICTIONS: See the use instructions at the beginning of this section for important information on maximum application rates for preemergence and selective equipment applications of this product.

#### Selective Equipment

USE INSTRUCTIONS: This product may be applied using a wiper applicator or shielded sprayer between crop rows once the crop is established. Observe the maximum application rates listed at the beginning of this section. See

additional instructions on the use of wiper applicators and hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

#### Preharvest (Except Buffalo Gourd)

USE INSTRUCTIONS: This product provides weed control and serves as a harvest aid when applied to a physiologically mature oilseed crop listed in this section. For safflower, up to 64 fluid ounces of this product may be applied per acce when seed has lost its opaque character, approximately 20 to 30 days after the end of flowering of the secondary branches. For sunflower, up to 22 fluid ounces of this product per acre may be applied when the backsides of sunflower heads are yellow and bracts are turning brown and seed moisture content is less than 35 percent. For all other oilseed crops listed in this section (except buffalo gourd), up to 32 fluid ounces of this product per acre may be applied prior to harvest.

RESTRICTIONS: DO NOT MAKE A PREHARVEST APPLICATION if you have exceeded the maximum application rates for the combined total of all preemergence and selective equipment applications listed in the table at the beginning of this section. Make only 1 preharvest application of this product and allow a minimum of 7 days between application and harvest or feeding to livestock. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label. Preharvest application is not allowed on buffalo gourd or on Roundup Ready\* or TurleRe\* "Roundup Ready\*" canola.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of oilseed crops. Higher application rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for post-harvest application in the crop harvested. Read and follow label directions for all products in the tank mixture.

RESTRICTIONS: Do not exceed a total application rate of 5.3 quarts of this product per acre per year. Allow a minimum of 7 days between application of this product and harvest or feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

#### **9.**8 Soybean

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment; Selective Equipment; Preharvest

For directions for use with Roundup Ready soybean and Roundup Ready 2 Yield soybean, see the "ROUNDUP READY CROPS" section of this label.

#### Preplant, At-Planting, Preemergence

before, during or after planting soybean, but prior to crop emergence.

TANK MIXTURES: This product may be tank-mixed with 2,4-D, Banvel or Clarity and applied prior to planting only. This product may also be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to planting or the emergence of soybean. Read and follow label directions for all products in the

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture

tank midture. Apply these tank mixtures in 10 to 20 gallons of water per acre. acetochlor; carfentrazone-ethyl; chlorimuron ethyl; clethodim; clomazone; cloransulam-methyl; dimethenamid; dimethenamid-p; fenoxaprop-p-ethyl; fluanicoracin; fluthiacet-methyl; fomesafen; imazaquin; imazethapyr; lactofen; linuron; metolachlor; s-metolachlor; metribuzin; pendimethalin; pyroxasulfone; quizalofop-P-ethyl; saflufenacil; sulfentrazone; tribenuron methyl; trifluralin

Aim EC; Aim EW; Assure II; Authority Assist; Authority Elite; Authority First DF; Authority MAXX; Authority MTZ DF; Authority XL; Axiom DF; Blanket 4F; Boundary 6.5 EC; Cadet, Canopy; Canopy Blend; Canopy Ed. Cassic; Cobra; Command 3ME; Dawn; Dual MAGNUM, Dual II MAGNUM, Fierce; Fierce XLT; FirstRate; Flexstar; Fusion; Linex 4L; Lorox DF; Me-Too-Lachlor; Optill Powered by Kixor; Outlook; Phoenix; Prowl 3.3 EC; Prowl H2O; Pursuit; Python WDG; Reflex; Resource; Riythm; Rowel; Rowel FX, Select; Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor; Spartan 4F; Tieflan 4L; Tieflan 4 EC; TirCor 4F; TiCor JF; Valor SX. Valor XI. Vararati: Vararatil Ultra: Julius

For hard-to-control annual weeds, such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply 22 fluid ounces of this product per acre in a tank mixture with one of the products listed. For other annual weeds listed on this label, apply 16 to 22 fluid ounces of this product

per acre when weeds are less than 6 inches tall and 22 to 32 fluid ounces

#### Spot Treatment

when weeds are over 6 inches tall.

USE INSTRUCTIONS: This product may be applied as a spot treatment prior to initial pod set in soybean. RESTRICTIONS: Do not apply this product to more than 10 percent of the total field area to be harvested.

#### Selective Equipment

USE INSTRUCTIONS: This product may be applied in soybean using a shielded sprayer, hooded sprayer, wiper applicator or sponge bar. See additional instructions on the use of selective equipment in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

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

#### Preharvest

USE INSTRUCTIONS: This product may be applied to soybean prior to harvest after pods have set and lost all green color. Apply at rates given in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label. Take care to avoid excessive seed shatter loss due to ground application equipment.

RESTRICTIONS: Do not apply more than 3.3 quarts of this product per acre for preharvest application using ground application equipment or more than 44 fluid ounces per acre using aerial application equipment. Allow a minimum of 7 days between application and harvest of soybean. If the preharvest application rate is greater than 22 fluid ounces per acre, do not graze or harvest hay or fodder within the application area for livestock feed within 25 days of application. If the application rate is 22 fluid ounces per acre or less, the grazing restriction is reduced to 14 days after application.

#### Q.9 Sugarcane

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment

#### Preplant, At-Planting, Preemergence

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.

#### Snot Treatmen

USE INSTRUCTIONS: This product may be applied as a spot treatment in sugarcane. For control of volunteer or diseased sugarcane, apply a 1-percent solution of this product in water using a handheld sprayer and a spray-to-wet technique. Enhanced results can be obtained on volunteer or diseased sugarcane when application is made when there are at least 7, new leaves. Avoid contact of this herbicide with healthy sugarcane plants as severe damage or destruction could result.

RESTRICTIONS: Do not feed or graze sugarcane foliage within the application area.

#### Hooded Sprayer

USE INSTRUCTIONS: This product may be applied using a hooded sprayer for weed control in between rows of sugarcane. See additional instructions on the use of hooded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Do not allow weeds within the application area to come into contact with the crop.

#### **Fallow Treatment**

USE INSTRUCTIONS: This product may be used as a replacement for fillage in fields that are lying fallow between sugarcane crops. This product may also be used to remove the last stubble of ration cane by applying 2.5 to 3.3 quarts of this product in 10 to 40 gallons of water per acre to new growth having at least 7 new leaves. Allow a minimum of 7 days after application before tillage. Aerial application of up to 64 fluid ounces per acre may be made onto fallow

sites where there is sufficient buffer to prevent drift onto adjacent crops. Tank imixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for this application in sugarcane. Read and follow label directions for all products in the tank mixture.

#### Q.9.1 Sugarcane Ripening

JUSE INSTRUCTIONS: This product may be used as a foliar-applied plant growth regulator to hasten ripening and extend the period of high sucrose level in both low- and high-tonnage sugarcane. Most of the sucrose increase is concentrated in the top nodes of the cane stalk. To maximize sugar recovery where topping is practiced at harvest, top at the base of the fourth leaf. Consult your state sugarcane authority or local Bayer CropScience LP representative regarding the degree of sucrose response that can be anticipated prior to application of this product.

As a result of leaf desiccation, improved trash burn can be expected.

Apply this product at the following rates and timing according to the State in which the sugarcane is grown. Use the higher application rate within the given range when applying to sugarcane under adverse ripening conditions or to less responsive varieties.

FLORIDA — Apply 5 to 12 fluid ounces of this product per acre 3 to 5 weeks before harvest of LAST RATOON CANE ONLY.

HAWAII – Apply 9 to 21 fluid ounces of this product per acre 4 to 10 weeks before harvest.

LOUISIANA — Apply 4 to 12 fluid ounces of this product per acre 3 to 7 weeks before harvest of RATOON CANE ONLY.

PUERTO RICO – Apply 5 fluid ounces of this product per acre 3 to 5 weeks before harvest of RATOON CANE ONLY.

TEXAS — Apply 5 to 12 fluid ounces of this product per acre 3 to 5 weeks before harvest of RATOON CANE ONLY.

PRECAUTIONS: Application of this product could initiate development of shooting eyes. This product might not increase the sucrose content of sugarcane under conditions of good natural ripening. Within 2 to 3 weeks after application, this product could produce a slight yellowing to a pronounced browning and dying of leaves, and a shortening of upper intermodes. Spindle death could occur.

Rainfall within 6 hours after application could reduce the effectiveness of this product.

Application to sugarcane grown for seed could result in a reduction in germination or vigor. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the breharvest use of this product on sugarcane grown for seed.

RESTRICTIONS: Do not feed or graze sugarcane forage following application. Do not plant subsequent crops within 30 days after application of this product other than the following: affalfa or other forage legumes, beans (all types), com (all types), cotton, melons (all types), pasture grasses, peanuts, potatoes (Irish or sweet), sorghum (milo), soybean, squash (all types) or wheat.

Do not apply for enhanced ripening to any crops other than sugarcane. Use of this product in any manner not consistent with this label could result in injury to persons, animals or crops, or have other unintended consequences.

### 9.10 Vegetable Crops

THIS SECTION PROVIDES DIRECTIONS FOR USE THAT APPLY TO ALL VEGETABLE CROPS LISTED IN THE FOLLOWING SECTIONS. SEE THE NOTIVIDUAL CROP SECTIONS FOR SPECIFIC DIRECTIONS FOR USE, PREHARVEST INTERVALS, PRECAUTIONS AND RESTRICTIONS.

"IYPES OF APPLICATION: Chemical Fallow; Preplant Fallow Beds; Preplant; At-Planting; Preemergence; Prior to Transplanting Vegetables; Hooded Sprayer in Row Middles; Wiper Applicator in Row Middles; Directed Application (non-bearing ginseng only); Wiper Applicator (carrot, rutabaga, sweet potato only); Post-Harvest

PRECAUTIONS: This product could cause crop injury when applied prior to transplanting or direct-seeding crops into plastic mulch. Remove residual product from the plastic with a single 0.5-inch application of water, either by natural rainfall or irrigation, prior to planting. Ensure that the wash water flushes off the plastic mulch and does not enter the transplant holes.

Application of this product at crop emergence will result in injury or death to emerged seedlings.

Avoid contact of this herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from the plastic mulch), or fruit of crops, as severe crop injury or destruction could result. Transplanted seedlings coming into contact with freshly sprayed weeds could result in significant crop injury.

Preemergence application must be made before crop emerges from the soil to avoid severe crop injury. Apply before seed germination in coarse sandy soils to further minimize the risk of crop injury. In crops with vines, make hooded sprayer, shielded sprayer and wiper applications in row middles prior to vine development, otherwise severe crop injury or destruction could result.

RESTRICTIONS: Unless otherwise directed, application using selective equipment, including wiper applicators and hooded sprayers, must be made a minimum of 14 days prior to harvest. Post-harvest and fallow applications must be made a minimum of 30 days prior to the planting of any crop not listed on this label. See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

#### Q.10.1 Brassica Vegetables

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

#### **Q.10.2** Bulb Vegetables

LABELED CROPS: All cultivars, varieties and/or hybrids of Chive (including Chinese); Daylily; Elegans hosta; Fritillaria; Garlic (including great-headed, serpent); Kurrat; Leek (including lady's, wild); Onion (including Beltsville bunching, bulb, Chinese, fresh, green, macrostem, pearl, potato, tree, Welsh); Shallot

#### **Q.10.3** Cucurbit Vegetables and Fruits

LABELED CROPS: Chayote (fruit); Chinese waxgourd (Chinese preserving melon); Citron melon, Cucumber; Gherkin; Edible gourd (includes fyotan, cucurza, hechima, Chinese okra); Melons (all); Monrodica 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, acom 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 a minimum of 3 days between application and planting.

#### Q.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, upland); Dandelion; Dock (sorrel); Dokudami; Endive (escarole); Florence fennel; Gow kee; Lettuce (head, leaf); Orach, Parsley; Purslane (garden, winter); Radicchio (red chicory); Rhubarb; Spinach; New Zealand spinach; Vine spinach; Swiss chard; Watercress (upland); Water spinach

RESTRICTIONS: For watercress, allow a minimum of 3 days between application and seeding. Do not apply this product during the period between seeding and emergence.

# 9.10.5 Fruiting Vegetables

LABELED CROPS: All cultivars, varieties and/or hybrids of Eggplant (including African, pea, scarlet); Cocona; Garden huckleberry; Goji berry; Groundcherry (*Physalis* spp.); Martinynia; Naranjilla; Okra; Pepino; Pepper (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); Roselle; Sunberry; Tomatillo; Tomato

RESTRICTIONS: Allow a minimum of 3 days between application and planting. For tomato and tomatillo, do not apply this product using a hooded or shielded sprayer in row middles because of the potential for crop injury.

# .10.6 Legume Vegetables (Succulent or Dried)

LABELED CROPS: Bean (Lupinus: includes grain lupin, sweet lupin, white lupin, 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 (favay); 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 TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment 1.

#### Spot Treatment (Dry Varieties Only)

(dry varieties only): Preharvest (dry varieties only)

USE INSTRUCTIONS: This product may be applied as a spot treatment to control troublesome weeds such as Canada thistle, quackgrass, mayweed (dog fennel) and milkweed in any dry legume variety listed in this section, except cowpeas and field (feed) peas. Apply up to 22 fluid ounces of this product per acre in dry beans, or up to 64 fluid ounces per acre in dry peas, lentils and chickpeas, in 10 to 20 gallons of water using ground application equipment, or apply a 2-percent solution in a handheld sprayer. For enhanced results, apply at or beyond the bud stage of growth.

RESTRICTIONS. Allow a minimum of 7 days between application and harvest. Only one spot treatment application may be made per year. Do not combine spot treatment with a preharvest broadcast application on the same crop area, Allow a minimum of 30 days between application and the planting of any crop not listed on this label. Do not feed vines and hay from the application area to livestock. Do not apply this product as a spot treatment in cowpeas or field (feed) peas, since these are considered to be grown only as livestock feed.

#### Preharvest (Dry Varieties Only)

USE INSTRUCTIONS: This product may be applied over the top of any dry legume variety listed in this section prior to harvest, except cowpeas or field (feed) peas. Apply up to 22 flid ounces of this product per acre in dry bears, or up to 64 fluid ounces per acre in dry peas, lentils and chickpeas, in 3 to 20 gallons of water per acre at the hard dough stage of the legume seed; 30 percent grain moisture or less).

RESTRICTIONS: Allow a minimum of 7 days between application and harvest. Only one preharvest application may be made per year. Do not combine a preharvest application with a spot treatment application on the same crop area. Allow a minimum of 30 days between application and the planting of any crop not listed on this label. Do not feed vines and hay from the application area to livestock. Do not make a preharvest application of this product in cowpeas or field (feed) peas, since these are considered to be grown only as livestock feed.

# 9.10.7 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); Galangal; Ginger; Ginseng; Horseradish; Leren; Kava (turnip-rooted); Parsley (turnip-rooted); Parsley (turnip-rooted); Parsley (turnip-rooted); Back salsify; Spanish salsify; Skirret; Sweet potato; Tanier; Turmeric; Turnio: Wasabi; Yacon; Yam bean: Tue vam

TYPES OF APPLICATION: Those listed in Section 9.0, plus Directed Application (non-bearing ginseng only); Wiper applicator (carrot, rutabaga, sweet potato only)

#### Directed Application in Ginseng (Non-Bearing Only)

USE INSTRUCTIONS: This product may be applied for weed control in established non-bearing ginseng using a boom sprayer, CDA, shielded sprayer, wiper applicator, handheld or backpack wand, lance, or orchardgun. See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Control the application so as to not allow any contact of this product with the ginseng plant. Droplets, mist, foam or splatter of the herbicide solution settling onto desirable vegetation could result in discoloration, stunting or destruction.

RESTRICTIONS: Application must be made a minimum of one year prior to ginseng harvest.

# Wiper Applicator (Carrot, Rutabaga and Sweet Potato Only)

USE INSTRUCTIONS: A 33-percent solution of this product by volume in water may be applied using a wiper applicator over the top of carrot, rutabaga and sweet potato for the control of tall weeds. See additional use instructions for wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: For carrot, a maximum of two wiper or sponge bar applications may be made a minimum of 60 days prior to harvest following the first application and 7 days prior to harvest following the second application or if only one wiper application is made over the top of the carrot crop. For rutabaga, allow a minimum of 14 days between application and harvest. For sweet potato, a maximum of five wiper or sponge bar applications may be made with a minimum of 14 days between applications and a minimum of 7 days prior to harvest.

### Q.11 Miscellaneous Crops

LABELED CROPS: Aloe vera; Asparagus; Bamboo shoots; Globe artichoke; Okra; Peanut; Pineapple; Sugarbeet

TYPES OF APPLICATION: Those listed in Section 9.0, plus Spot Treatment (asparagus)

For directions for use with Roundup Ready sugarbeet, see the "ROUNDUP READY CROPS" section of this label.

PRECAUTIONS: Preemergence application must be made before the crop emerges from the soil to avoid severe crop injury. Apply before seed germination in coarse sandy soils to further minimize the risk of crop injury. In crops with vines, apply this product in row middles using a hooded sprayer, shielded sprayer or wiper applicator prior to vine development, otherwise severe crop injury or destruction could result.

#### Spot Weed Control, Site Preparation

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

PRECAUTIONS: This product could cause crop injury when applied prior to transplanting or direct-seeding crops into plastic mulch. Remove residues of this product from the plastic with a single 0.5-inch application of water, either by natural rainfall or irrigation, prior to planting. Ensure that the wash water flushes off the plastic mulch and does not enter transplant holes.

RESTRICTIONS: Allow a minimum of 21 days between residue removal and transplanting. Do not apply this product within 7 days prior to the emergence of the first asparagus spears. Do not feed or graze pineapple forage from within the application area.

#### Spot Treatment (Asparagus)

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

RESTRICTIONS: Do not apply this product to more than 10 percent of the total field area to be harvested. Do not harvest asparagus within 5 days of a spot treatment application.

#### Post-Harvest in Asparagus

USE INSTRUCTIONS: This product may be applied for weed control after the last harvest of asparagus and all spears have been removed. If spears are allowed to re-grow, delay application until ferns have developed and make the application as a directed or shielded spray in order to avoid contact of this product with ferns, stems or spears. See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Direct contact of this product with asparagus could result in serious crop injury.

#### 10.0 TREE, VINE AND SHRUB CROPS

THIS SECTION PROVIDES DIRECTIONS FOR USE THAT APPLY TO ALL TREE, VINE, AND SHRUB CROPS LISTED IN THE FOLLOWING SECTIONS. SEE THE INDIVIDUAL CROP SECTIONS FOR SPECIFIC DIRECTIONS FOR USE, PREHARVEST INTERVALS, PRECAUTIONS AND RESTRICTIONS.

PREHARVEST INTERVALS, PRECAUTIONS AND RESTRICTIONS.

TYPES OF APPLICATION: Preplant (site preparation); Broadcast Spray; Selective Equipment (shielded sprayer, wiper applicator), Directed Spray and Spot Treatment in Middles (between rows of trees, vines or bushes) and Strips (within rows of trees, vines or bushes); Site Weed Control; Perennial Grass Suppression; Cut Stump Application

INST. INSTRICTIONS: Indees specifically prohibited in the individual crop.

USE INSTRUCTIONS: Unless specifically prohibited in the individual crop sections that follow, this product may be applied using a boom sprayer, controlled droplet applicator (CDA), shielded sprayer, wiper applicator, handheld or backpack sprayer, lance or orchard gun, in middles (between rows of trees, vines or bushes) and strips (within rows of trees, vines or bushes), for weed control or perennial grass suppression in established tree fruit and nut groves, orchards and vineyards. It may also be used for site preparation prior to planting or transplanting these crops.

Apply 11 fluid ounces to 3.3 quarts of this product per acre as directed in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label. Use a higher application rate within a given range when weeds are stressed, growing in dense populations or greater than 12 inches tall. Application may be repeated as needed up to a maximum of 7 quarts of this product per acre per year. See the "PROPUCT INFORMATION" section of this label for more information on Maximum Application Rates.

PRECAUTIONS: Use extreme care to avoid contact of this herbicide solution, spray, drift or mist with foliage or green bark of trunk, branches, suckers, fruit or other parts of desirable trees, canes and wines. Avoid application when recent pruning wounds or other mechanical injury have occurred. Contact of this product with other than matured brown bark could result in serious crop damage or destruction. Only shielded or directed sprayers may be used in crops where the potential for crop contact is high, and then only where there is sufficient clearance. For application in strips (within rows of trees), only selective equipment (directed sprayer, hooded sprayer, shielded sprayer or wiper applicator) may be used in order to minimize the potential for overspray or drift of this product onto the crop. For berry crops, hooded sprayers must be fully enclosed including top, sides, front and back. Only wiper applicators or shielded sprayers capable of preventing all contact of this product with the crop may be used. See additional use instructions and precautions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: Allow a minimum of 3 days between application of this product and transplanting.

#### Middles (between rows)

USE INSTRUCTIONS: This product will control or suppress annual and perennial weeds and ground covers growing between rows of tree, vine and shrub crops listed on this label. If weeds are under drought stress, irrigate prior to application. Reduced weed control could result if weeds have been recently mowed at the time of application.

TANK MIXTURES: A tank mixture of this product with Goal ZXL may be applied for annual weed control between rows (middles) of a variety of tree, vine and shrub crops when weeds are stressed or growing in dense populations. Application of 11 to 22 fluid ounces of this product per acre plus an appropriate rate of Goal ZXL will control annual weeds with a maximum height or length of 6 inches, including crabgrass, common groundsel, junglerice, common lambsquarters, redroot pigweed, London rocket, common ryegrass, shepherd's-purse, annual sowthistle, filaree (suppression). This tank-mix will also control common cheeseweed (malva) and hairy fleabane with a maximum height or length of 3 inches.

This product may also be applied to row middles in tank mixtures with the following products.

2.4-D; bromacil; clethodim; diuron; fluazifop-P-butyl; flumioxazin; glufosinate-ammonium; indaziflam; napropamide; norflurazon; oryzalin; oxyfluorfen; pendimethalin; penossulam; pyraflufen ethyl; rimsulfuron; saflufenacil; sethoxydim; simazine; thiazopyr

Alion; Chateau Herbicide SW; Devrinol 2-XT; Devrinol 50-DF; Devrinol 50-DF Ornamental; Devrinol DF-XT; Devrinol DF-XT Ornamental; Direx 4L; Dri-Clean; Fusilade II Iurf & Ornamental; Fusilade DA; Goal ZVL; GoalTender; Karmex DF; Matrix FNV; Matrix SG; Orchard Master Broadleaf; Orchard Master CA; Pindar GT; Poast; Poast Plus; Prowl 3.3 EC; Prowl H2O; Princep At; Princep Calibler 90; Princep Liquid; Rely 280; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Simazine 4L; Simazine 4L Flowable; Simazine 90DF; Simazine 90 WDG; Sim-Trol 4L; Sim-Trol DF; Solicam DF; Sufflan AS Agricultural; Surflan AS Specialty; Surflan Flex; Surflan Flex T&O; Surflan XL 2G; Treevix Powered by Kixor; Venue: Visor Broadcron

Ensure that the product used is labeled for application within the crop being grown. Read and follow label directions for all products in the tank mixture.

#### Strips (within rows)

TANK MIXTURES: This product may be applied within rows of tree, vine and shrub crops in tank mixtures with the following products.

2.4.D. bromaeil, clethodim, diuron, fluzzifon-P-hutyl, flumiovazin.

ndu crops in tank mixtures with the rollowing products.

2,4-D, bromacil; clethodim; diuron; fluazifop-P-butyl; flumioxazin; glufosinate-ammonium; indaziflam; napropamide; norflurazon; oryzalin; oxyfluorfen; pendimethalin; penoxsulam; pyraflufen ethyl; rimsulfuron; saflufenacil; sethoxydim; simazine; thiazopyr

Mico Chatego Methicide SM Deurinel 3 XT Deurinel 50 DE Deurinel

Alion; Chateau Herbicide SW; Devrinol 2-XT; Devrinol 50-DF; Devrinol 50-DF Ornamental; Dierwinol DF-XT Devrinol DF-XT Ornamental; Direx 4L; Dri-Clean; Fusilade II Tuft & Ornamental; Fusilade DK; Goal ZKL; Goallender; Karmex DF; Matrix FNV; Matrix SG; Orchard Master Broadleaf; Crchard Master CA; Pindar GT; Poast; Poast Plus; Prowl 3.3 EC; Prowl H2O; Princep 4L; Princep Caliber 90; Princep Liquid; Rely 280; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Simazine 4L; Sim-Tiol DF; Solicam DF; Surflan 90DF; Simazine 90 MDG; Sim-Tiol 4L; Sim-Tiol DF; Solicam DF; Surflan AS Agricultural; Surflan AS Specialty; Surflan Flex; Surflan Flex T&O; Surflan XL 2G; Treevix Powered by Kixor; Venue; Visor Broadcrop

Ensure that the product used is labeled for application within the crop being grown. Read and follow label directions for all products in the tank mixture.

PESTRICTIONS. Do not apply these tank mixtures in Puerto Rico.

RESTRICTIONS: Do not apply these tank mixtures in Puerto Rico.

#### Perennial Grass Suppression

This product will suppress perennial grasses such as bahiagrass, bermudagrass, tall fescue, orchardgrass, Kentucky bluegrass and quackgrass that are grown as ground covers in tree, vine and shrub crops.

For suppression of tall fescue, fine fescue, orchardgrass and quackgrass, apply 4 fluid ounces of this product in 10 to 20 gallons of water per acre.

For suppression of Kentucky bluegrass covers, apply 4 fluid ounces of this product reason. Denoted the programment of the person of

product per acre. Do not add ammonium sulfate to the spray mix.

For enhanced results, mow cool-season grass covers in the spring to even

their height and then apply this product 3 to 4 days after mowing.

For suppression of vegetative growth and seedhead inhibition of bahiagrass for approximately 45 days, apply 4 fluid ounces of this product in 10 to 25 gallons of water per acre 1 to 2 weeks after full green-up or after mowing to a uniform height of 3 to 4 inches prior to seedhead emergence. For suppression for up to 120 days, apply 3 fluid ounces of this product per acre followed by an application of 2 to 3 fluid ounces per acre about 45 days later. Make no more than two applications per year.

For burndown of bermudagrass, apply 22 to 44 fluid ounces of this product in 3 to 20 gallons of water per acre. Make this application only if a reduction of the bermudagrass stand can be tolerated. When burndown is required prior to harvest, make the application a minimum of 21 days prior to harvest to allow sufficient time for burndown to occur.

For suppression of bermudagrass, apply 4 to 1.1 fluid ounces of this product per acre east of the Rocky Mountains and 1.1 fluid ounces west of the Rocky Mountains 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 moved prior to application, maintain a minimum of 3 inches in height. Sequential applications may be made when re-growth occurs and bermudagrass injury

and stand reduction can be tolerated. East of the Rocky Mountains, apply 4 to 7 fluid ounces of this product per acre in shaded conditions or where a lesser degree of suppression is desired.

#### Cut Stump Application

Application of this product to a freshly cut tree stump may be made during site preparation or site renovation to control re-growth and re-sprouting of stumps of many tree species, some of which are listed below.

<u>Citrus Trees</u>: Calamondin; Chironja; Citron; Citrus hybrids; Grapefruit; Kumquat; Lemon; Lime; Mandarin (tangerine); Orange (all); Pummelo; Tangelo (ugli); 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)

USE INSTRUCTIONS: Cut the tree close to the soil surface and immediately apply a 50- to 100-percent (undiluted) solution of this product to the freshly cut surface using application equipment capable of covering the entire cambium. A delay in application could result in reduced performance. For enhanced results, cut the tree during period of active growth and full leaf evansion and apoly this product.

PRECAUTIONS: DO NOT MAKE A CUT STUMP APPLICATION WHEN THE ROOTS OF ADJACENT DESIRABLE TREES MIGHT BE GRAFTED TO THE ROOTS OF THE CUT STUMP, AS INURY COULD OCCUR IN THE ADJACENT TREES. Some sprouts, stems or trees can share a common root system. Adjacent trees having a similar age, height and spacing could be an indicator of a shared root system. Whether grafted or shared, injury is likely to occur to adjacent stems or trees when this product is applied to one or more trees sharing a common root system.

#### 10.1 Berry and Small Fruit Crops

LABELED CROPS: All cultivars, varieties and/or hybrids of Amur River grape; Aronia berry: Bayberry: Bearberry: Bilberry: Blackberry (including Andean blackberry, arctic blackberry, bingleberry, black satin berry, boysenberry, brombeere, California blackberry, Cherokee blackberry, chesterberry, Chevenne blackberry, common blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, evergreen blackberry, Himalayaberry, hullberry, lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, mora, mures de ronce, nectarberry, Northern dewberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, Southern dewberry, tayberry, youngberry, zarzamora); Blueberry (highbush, lowbush); Buffaloberry; Che; Chilean guava; Chokecherry; Cloudberry; Cranberry (including highbush); Currant (black, Buffalo, red, native); Elderberry; European barberry; Gooseberry; Grape; Honeysuckle (edible): Huckleberry: Jostaberry: Juneberry (Saskatoon berry): Kiwifruit (fuzzy. hardy); Ligonberry; Maypop; Mountain pepper berries; Mulberry; Muntries; Partridgeberry; Phalsa; Pincherry; Raspberry (black, red, wild); Riberry; Salal; Schisandra berry; Sea buckthorn; Serviceberry; Strawberry

TYPES OF APPLICATION: Those listed in Section 10.0

PRECAUTIONS: To avoid damage, spray solutions of this product must not be allowed to contact desirable vegetation, including green shoots, canes or foliage. In the northeast and Great Lakes regions, apply this product in grape vineyards prior to the end of the bloom stage in order to avoid crop injury, or apply using a shielded sprayer or wiper application. USE THIS PRODUCT WITH EXTERME CARE AROUND RASPERRY AS SERIOUS CROP DAMAGE CAN OCCUR IF ANY PART OF THE VINE COMES INTO CONTACT WITH THIS PRODUCT. To the extent consistent with applicable law, grower assumes all responsibility for crop losses resulting from misapolication of this product.

RESTRICTIONS: Allow a minimum of 3 days between application of this product and transplanting. Allow a minimum of 30 days between application and harvest of cranberries or the planting of any crop not listed on this label. Allow a minimum of 14 days between application and harvest for all other berry and small fruit crops listed here. Do not apply this product using selective equipment in kiwifruit.

#### Spot Treatment

USE INSTRUCTIONS: Spot treatment application using a handheld sprayer or other appropriate application equipment listed in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label may be used to control weeds in berry and small fruit crops listed in this section. For control of weeds growing in dry ditches (interior and perimeter) of cranberry production areas, drop water level to remove standing water in ditches and apply a 1- to 2-percent solution of this product with a handheld sprayer to adequately wet the vegetation only; do not spray to the point of runoff. To achieve maximum weed control in dry ditches, apply this product within 1 day after water drawdown to ensure application to actively growing weeds and allow a minimum of 2 days after application before reintroduction of water.

RESTRICTIONS: Allow a minimum of 30 days between spot treatment application and harvest of cranberries. Do not apply directly to water. Use nozzles that produce medium- to large-sized droplets to minimize spray drift and avoid croo injury.

#### Post-Harvest Application in Cranberry Production

USE INSTRUCTIONS: This product may be applied for weed control after the harvest of berries and small fruits listed in this section. In cranberry bogs, apply this product after cranberry vines are dormant (after they have turned red) using a handheld sprayer, wiper applicator or any other appropriate application equipment listed in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label. With a handheld sprayer, apply a 0.4- to 0.7-percent solution of this product to adequately wet the vegetation only; do not spray to the point of runoff. With a handheld boom sprayer, apply 44 to 86 fluid ounces of this product per acre.

PRECAUTIONS: Even though vines appear dormant, contact of this product with desirable vegetation could result in damage or severe plant injury. Cranberry plants that are directly sprayed could be killed.

RESTRICTIONS: Apply this product only after cranberries have been harvested. Do not apply to more than 10 percent of the total bog, Allow a minimum of 6 months between post-harvest application and the next harvest of cranberries. Do not apply using aerial application equipment. Do not apply directly to water.

#### 10.2 Citrus Fruit Crops

LABELED CROPS: All cultivars, varieties and/or hybrids of Calamondin; Chironia; Citron; Citrus Hybrids; Grapefruit (including Japanese summer); Kumquat; Lemon; Lime (including Australian desert lime, Australian finger lime, Australian round lime, Brown river finger lime, Mount white, New Guinea wild, Russell river, sweet, and Tahiti); Mandarin (including Mediterranean, Satsuma); Orange (all); Pummelo; Tangelo; Tangerine (Mandarin); Tangor; Ilinia Fruit (ruit).

TYPES OF APPLICATION: Those listed in Section 10.0

USE INSTRUCTIONS: The following use instructions pertain to application in Florida and Texas only.

For burndown or control of the weeds listed below, apply this product at the specified rate in 3 to 30 gallons of water per acre. Where weed foliage is dense, use 10 to 30 gallons of water per acre.

To control goatweed, apply 44 to 64 fluid ounces of this product in 20 to 30 gallons of water per acre when plants are actively growing. Apply 44 fluid ounces per acre when plants are less than 8 inches tall and 64 fluid ounces per acre when plants are greater than 8 inches tall, the use of this product in a tank-mix with Krovar I or Karmex could improve weed control. Refer to the individual product labels for specific crops, rates, geographic restrictions and precautionary statements.

	Level of Perennial Weed Control at Various Application Rates (amount of this product per acre)					
Weed Species	22 fl oz 44 fl oz 2 quarts 3.3 quarts					
Bermudagrass	В	_	PC	С		
Guinea grass Texas and Florida Ridge Florida Flatwoods	В	C B	C C	C		
Para grass	В	С	С	С		
Torpedograss	S		PC	С		

S = Suppression, PC = Partial Control, B = Burndown, C = Control

RESTRICTIONS: Allow a minimum of 1 day between application and harvest of citrus fruit crops. For citron groves, apply as a directed spray only.

#### 10.3 Pome Fruit Crops

LABELED CROPS: All cultivars, varieties and/or hybrids of Apple; Azarole; Crabapple; Loquat; Mayhaw; Medlar; Pear (including Asian pear); Quince (including Chinese and Japanese quince): Teiocote

TYPES OF APPLICATION: Those listed in Section 10.0

RESTRICTIONS: Allow a minimum of 1 day between application and harvest of pome fruit.

#### 10.4 Stone Fruit Crops

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

TYPES OF APPLICATION: Those listed in Section 10.0

PRECAUTIONS: Avoid application near trees with recent pruning wounds or other mechanical injury. Apply only near trees that have been planted in the orchard for a minimum of 2 years. ENSURE THAT NO PART OF A PEACH TREE IS CONTACTED WITH OVERSPRAY OR DRIFT OF THIS PRODUCT.

RESTRICTIONS: Allow a minimum of 17 days between application and harvest of stone fruit. In olive groves, apply as a directed spray only. Remove suckers and low-hanging limbs a minimum of 10 days prior to application.

# 10.5 Tree Nut Crops

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 APPLICATION: Those listed in Section 10.0

RESTRICTIONS: Allow a minimum of 3 days between application and harvest of tree nuts, except coconut. Allow a minimum of 14 days between application and harvest of coconut.

# 10.6 Tropical and Subtropical Trees and Fruit Crops

LABELLED CROPS: Ambarella: Atemoya: Avocado; Banana; Barbados cherry (acerola); Biriba; Blimbe; Breadfruit; Cacao (cocoa) bean; Canistel; Carambola (starfruit); Cherimoya; Coffee; Custard apple; Dates; Durian; Fejioa; Figs; Governor's plum; Guava; Ilama; Imbe; Imbu; Jaboticaba; Jackfruit; Longan; Lychee; Mamey apple; Mango; Mangosteen; Marmaladebox (genip); Mountain papaya; Noni (Indian mulberry); 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; Wax jambu

TYPES OF APPLICATION: Those listed in Section 10.0, and as a Bananacide (banana only)

RESTRICTIONS: Allow a minimum of 1 day between application and harvest in banana, coffee, guava, papaya, and plantain crops. Allow a minimum of 14 days between application and harvest of all other tropical and subtropical tree fruit listed here. In coffee and banana, delay application a minimum of 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, in order to establish a disease-free buffer around a plantation. Remove all fruit from the plants within the area prior to treatment. Inject 0.04 fluid ounce (1 milliliter) of this concentrated product (undiluted) for every 2 to 3 inches of pseudostem diameter of the banana plant to be controlled. Make the injection at least one foot above the ground, except for very small plants, which can be injected vertically into the top. Any subsequent re-growth must also be destroyed. Mechanically destroy all plants and mats (or units) within a 4-foot radius around a treated mat.

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 aphili vector, and destruction of all infected mals (or units). An infected plant might not show symptoms of the Banana Bunchy Top Virus for as many as 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 (1.5 milliliters) of this product per mat (or unit). Do not harvest any fruit or plant material from treated mats (or units) following injection. Do not allow livestock to consume treated plant material. Following transplant of new banana plants into treated areas, allow plants to become established for a minimum of 3 months before applying this product for weed control.

# 10.7 Vine Crops

LABELED CROPS: Hops; Passion fruit

TYPES OF APPLICATION: Those listed in Section 10.0

USE INSTRUCTIONS: Apply this product for weed control only when green shoots, canes or foliage are not in the spray zone.

RESTRICTIONS: Allow a minimum of 14 days between application and harvest of these vine crops.

## 10.8 Miscellaneous Tree Food Crops

LABELED CROPS: Cactus (all, including prickly pear, dragon fruit); Palm
TYPES OF APPLICATION: Those listed in Section 10.0

# 10.9 Non-Food Tree Crops

ABELED CROPS: Pine; Poplar; Eucalyptus; Christmas trees; all other non-food tree crops

TYPES OF APPLICATION: Those listed in Section 10.0

PRECAUTIONS: Avoid contact of spray, drift or mist of this product with foliage or green bark of established Christmas trees and other pine trees. Desirable plants can be protected from the spray solution by using shields or coverings of impermeable materials.

RESTRICTIONS: DO NOT apply this product as a broadcast application over the top of plantations or tree crops.

#### Site Preparation

USE INSTRUCTIONS: This product may be used for weed control prior to planting non-food tree crops.

PRECAUTIONS: Protect non-target plants from being sprayed with this product during site preparation application.

#### Directed Spray, Spot Treatment, Wiper Applicator

USE INSTRUCTIONS: This product may be applied as a post-directed spray or spot treatment, or applied using a wiper applicator, around established Christmas trees, eucalyptus, poplar, and all other non-food tree crops.

#### 11.0 PASTURE GRASSES, FORAGE LEGUMES and rangeland

USE INSTRUCTIONS: Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates of this product for specific weeds. When applied as directed, this product will control those annual and perennial grasses and broadleaf weeds listed. Application rates specified on this label for hard-to-control weeds, or those specified on separate supplemental labeling for this product, supersede rates listed in the "ANNUAL WEEDS RATE SECTION" "PERENNIAL WEEDS RATE SECTION" and "WOODY BRUSH, TREES AND VINES RATE SECTION" of this label. Additional information on hard-to-control weeds can be found on Fact Sheets published for this product.

### 11.1 Alfalfa, Clover, and Other Forage Legumes

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

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Spot Treatment; Wiper Applicator; Preharvest (except kenaf and leucaena); Stand Removal For directions for use with Roundup Ready alfalfa, see the "ROUNDUP READY CROPS" section of this label.

#### Preplant, At-Planting, Preemergence

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

RESTRICTIONS: Remove domestic livestock before application.

#### Spot Treatment, Wiper Applicator

USE INSTRUCTIONS: This product may be applied as a spot treatment or over the top of crops listed in this section using a wiper applicator. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label. Application may be repeated in the same area at 30-day intervals.

RESTRICTIONS: For spot treatment and use with a wiper applicator, apply in areas where the movement of domestic livestock can be controlled. Remove domestic livestock before application and wait a minimum of 3 days after application before grazing livestock or harvesting. Do not apply this product to more than 10 percent of the total field area at any one time.

#### Weed Control in Dormant Alfalfa

USE INSTRUCTIONS: This product will control or suppress many weeds, including quackgrass, downy brome and cheatgrass in dormant alfalfa. Apply 6 to 8 fluid ounces of this product per acre in the spring when alfalfa is dormant, after spring temperatures have warmed enough to encourage weed growth, but prior to initiation of trifoliate leaf expansion of the alfalfa crop. Application made after expansion of the first trifoliate leaf will cause growth reduction and reduced crop vield.

PRECAUTIONS: Improper application of this product to alfalfa can cause crop injury. Do not use this product on dormant alfalfa if a slight yield reduction in the first cutting cannot be tolerated. Slight discoloration of the alfalfa crop could occur, but will re-green and resume growth under moist soil conditions as effects of this product wear off.

RESTRICTIONS: Do not add ammonium sulfate to spray solutions of this product for application to dormant alfalfa. Do not make more than one application per year. Allow a minimum of 36 hours after application before grazine livestock or harvestine.

#### Preharvest (Except Kenaf and Leucaena), Stand Removal

USE INSTRUCTIONS: This product may be applied as a broadcast application prior to harvest (except in kenaf and leucaena) in declining stands or in any stand where severe crop injury or destruction is acceptable, or to remove an established stand of any forage legume listed in this section. Application may be made at any time of the year to control annual and perennial weeds, including quackgrass. For control of quackgrass, apply in the spring, late-summer or fall when quackgrass is actively growing. Application for quackgrass control must be followed by deep tillage for complete control. If the crop is to be harvested or grazed by livestock, apply up to 44 fluid ounces of this product per acre in alfalfa and up to 32 fluid ounces per acre in all other legumes listed in this section. For complete removal of established stands of clover, it might be necessary to use a higher application rate, as listed in the "PEFRENNIAL WEDS RATE SECTION" of this label.

PRECAUTIONS: This application can destroy an alfalfa stand and severely injure or destroy other legume crops listed, such as clover. Preharvest application on alfalfal grown for seed could result in a reduction in germination or vigor. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on alfalfa grown for seed.

RESTRICTIONS: Make only one application to an existing crop stand per year. Remove domestic livestock before application. Foliage within the application area can be harvested and fed to livestock according to the application rates and intervals defined in the following table. If applying at a rate greater than those listed here, do not harvest foliage for livestock feed or allow livestock to graze within the application ratea.

Сгор	Maximum Single Preharvest Application Rate (per acre)	Minimum Interval Between Application and Harvest or Livestock Grazing
Alfalfa	44 fluid ounces	36 hours
All other legumes listed	32 fluid ounces	3 days

Crops listed on this label may be planted into the application area at any time; all other crops may be planted 30 days after application.

#### 11.2 Conservation Reserve Program (CRP)

TYPES OF APPLICATION: Postemergence Weed Control in Dormant CRP Grasses; Wiper Applicator; Renovation (rotating out of CRP); Site Preparation

# Postemergence Weed Control in Dormant CRP Grasses, Wiper Applicator

USE INSTRUCTIONS: Apply this product to suppress competitive growth and seed production of undesirable vegetation on CRP land. Application may be made using a wiper applicator to control tall weeds, or as a broadcast application or spot treatment to dormant CRP grasses. For selective weed control using broadcast application equipment, apply 5 to 8 fluid ounces of this product per acre in early-spring before desirable CRP grasses, such as crested and tall wheatgrass, break dormancy and initiate green growth. Late-fall application may be made after desirable Perennial grasses have reached dormancy.

PRECAUTIONS: Some stunting of CRP perennial grasses will occur if broadcast application is made when plants are not dormant.

RESTRICTIONS: Do not apply more than 2 quarts of this product per acre per year onto CRP land. No waiting period is required between application and grazing or harvesting for feed.

#### 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 information.

RESTRICTIONS: Crops listed on this label may be planted into the area at any time; all other crops may be planted 30 days after application.

#### 11.3 Grass Seed and Sod Production

LABELED CROPS: Any grass (*Gramineae* family), except Corn, Sorghum, Sugarcane and those listed in the "CEREAL AND GRAIN CROPS" section of this label

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Renovation; Removal of Established Stands; Site Preparation; Shielded Sprayer; Wiper Applicator; Spot Treatment; Creating Rows in Annual Ryegrass

#### Preplant, At-Planting, Preemergence, Renovation, Removal of Established Stand, Site Preparation

USE INSTRUCTIONS: This product controls most existing vegetation for purposes of renovating turf or forage grass seed production areas, or for establishing turfgrass grown for sod. This product may be used to destroy undesirable grass vegetation when production fields are converted to alternative species or crops. Do not disturb soil or underground plant parts before application and delay tillage or renovation techniques, including vertical mowing, coring and slicing, for a minimum of 7 days after application to allow for herbicide translocation into underground plant parts.

Apply before, during or after planting, or for renovation purposes. 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 herbicide spray. For maximum control of existing vegetation, delay planting until determining if any re-growth of underground, plant parts will occur. Where repeat applications are necessary, sufficient re-growth must be attained prior to application provides enhanced control. Broadcast application of this product may be used to control sod remnants or other unwanted vegetation after sod is harvested. Application rates of up to 3.3 quarts per acre may be used to totally remove an established stand of hard-to-kill grass species.

RESTRICTIONS: If application rate is 2 quarts of this product per acre or less, no waiting pend between application and feeding or livestock grazing is required. If the rate is greater than 2 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting. Crops listed on this label may be planted into the area at any time, all other crops may be planted 30 days after application.

#### Shielded Sprayer

USE INSTRUCTIONS: Apply 22 to 64 fluid ounces of this product in 10 to 20 gallons of water per acre using a shielded sprayer to control weeds between grass seed rows. Uniform planting in straight rows will aid shielded sprayer application. Enhanced results can be obtained when the grass seed

crop is small enough to easily pass by the protective shields. See additional instructions on the use of shielded sprayers in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Contact of this product in any manner to any vegetation to which application is not intended could cause damage.

#### Wiper Applicator

USE INSTRUCTIONS: This product may be applied over the top of desirable grasses using a wiper applicator for the control of tall weeds. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

PRECAUTIONS: Droplets, mist, foam or splatter of the herbicide solution settling onto desirable vegetation could result in discoloration, stunting or destruction.

#### Spot Treatment

USE INSTRUCTIONS: Apply a 1-percent solution of this product using a handheld sprayer to control weeds within established vegetation prior to heading of grasses grown for seed or to control sod remnants or other unwanted vegetation after sod is harvested.

PRECAUTIONS: This product will kill the desirable grasses along with the weeds. Take care not to spray or allow spray to drift outside the target area in order to avoid unwanted crop destruction.

#### Creating Rows in Annual Rvegrass

USE INSTRUCTIONS: Use low-pressure nozzles or drop nozzles designed to target the application over a narrow band. Set nozzle height to establish the desired row spacing and apply 11 to 22 fluid ounces of this product per acre. Enhanced results can be obtained when application is made before ryegrass reaches 6 inches in height. Use a higher application rate within this range when ryegrass is greater than 6 inches in height.

PRECAUTIONS: Take care not to spray or allow spray to drift outside target area in order to avoid unwanted crop destruction. To the extent consistent with applicable law, grower assumes all responsibility for crop losses resulting from misapplication of this product.

# 11.4 Pastures

LABELED CROPS: Bahiagrass; Bermudagrass; Bluegrass; Brome; Fescue; Guinea grass; Kikuyu grass; Orchardgrass; Pangola grass; Ryegrass; Timothy; Wheatgrass and any grass (Gramineae family), except Com, Sorghum, Sugarcane and those listed in the "CEREAL AND GRAIN CROPS" section of this label

TYPES OF APPLICATION: Preplant; Preemergence; Pasture Renovation; Spot Treatment; Wiper Applicator; Postemergence Weed Control (broadcast application)

#### Preplant, Preemergence, Pasture Renovation

USE INSTRUCTIONS: This product may be applied for weed control prior to planting or emergence of forage grasses. This product may also be applied to control perennial pasture species listed on this label prior to re-planting.

RESTRICTIONS: If application rates total 2 quarts of this product per acre or less, no waiting period between application and feeding or livestock grazing is required. If the rate is greater than 2 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting. Crops listed on this label may be planted into the area at any time, all other crops may be planted 30 days after application.

#### Spot Treatment, Wiper Applicator

USE INSTRUCTIONS: This product may be applied in pastures as a spot treatment or over the top of desirable grasses using a wiper applicator to control tall weeds. To achieve maximum performance, remove domestic livestock before application and wait a minimum of 7 days after application before grazing livestock or harvesting for feed. See additional instructions on the use of wiper applicators in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

RESTRICTIONS: For spot treatment or use with a wiper applicator at rates of 2 quarts per acre or less, this product may be applied over the entire pasture or any portion of it. At rates above 2 quarts per acre, this product may be applied over no more than 10 percent of the total pasture at any one time. Application may be repeated on the same area at 30-day intervals.

#### Postemergence Weed Control (Broadcast Application)

USE INSTRUCTIONS: This product may be applied in pastures to suppress competitive growth and seed production of annual weeds and other undesirable

vegetation. For selective weed control using broadcast application equipment, apply 8 to 11 fluid ounces of this product per acre in early-spring before desirable perennial grasses break dormancy and initiate green growth. Late-fall application may be made after desirable perennial grasses have reached dormancy.

PRECAUTIONS: Some stunting of perennial grasses will occur if broadcast application is made when plants are not dormant. Higher application rates may be used for hard-to-control weeds; however, higher rates will cause stand reduction.

RESTRICTIONS: No waiting period is required between application and grazing or harvesting for feed. Do not apply more than 2 quarts of this product per acre per year onto pasture grasses except for renovation use as described on this label. If replanting is needed due to severe stand reduction, wait a minimum of 30 days after application before planting any crop not listed on this label.

#### 1.5 Rangeland

TYPES OF APPLICATION: Postemergence

USE INSTRUCTIONS: This product will control or suppress many annual weeds growing on perennial cool- and warm-season grass rangeland. Slight discoloration of the desirable grasses could occur, but will re-green and resume growing under moist soil conditions as effects of this product wear off.

Preventing seed production is critical to the control of invasive annual grassy weeds on rangeland. Follow-up applications in sequential years can be used to eliminate most of the viable seeds. Delay grazing of the area after application of this product to allow desirable perennials to grow, flower and re-seed the area.

Apply 8 to 11 fluid ounces of this product per acre to control or suppress many weeds, including downy brome, cheatgrass, cereal rye and jointed goatgrass on rangeland. Apply when most mature brome plants are in early flower and before the plants, including seedheads, turn color. Allowing for secondary weed flushes to occur after spring rains further depletes the seed reserve and encourages perennial grass conversion on weedy sites. Apply this product in the fall in areas where spring moisture is normally limited and fall germination allows for good weed growth and weed seed depletion.

For control of medusahead, apply 1.1 fluid ounces of this product per acre at the 3-leaf stage. Delaying application beyond this stage will result in reduced or unacceptable control. Controlled burning prior to application can be useful in eliminating the thatch layer produced by slowly decaying culms. Allow new growth to occur before applying this product after a burn. Repeat applications in subsequent years are necessary to eliminate the seedbank before re-establishing desirable perennial grasses in medusahead-dominated rangeland.

RESTRICTIONS: Do not apply more than 2 quarts of this product per acre per year on rangeland. Do not add ammonium sulfate to the spray mixture when applying this product on rangeland grasses. No waiting period between a

#### 12.0 ROUNDUP READY CROPS

ROUNDUP READY CROPS CONTAIN A PATENTED GENE THAT PROVIDES TOLERANCE TO GLYPHOSATE, THE ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO CROPS THAT ARE NOT GLYPHOSATE TOLERANT. AVOID CONTACT OF THIS PRODUCT WITH FOLLAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A GLYPHOSATE-TOLERANCE GENE, AS SEVERE PLANT INJURY OR DESTRUCTION WILL RESULT. Information on Roundup Ready crops can be obtained from your seed supplier or Bayer CropScience LP representative. Roundup Ready crops must be ourchased from an authorized licensed seed supplier.

The directions for use in the sections that follow, or those published separately on supplemental labeling for this product, include all applications of this product that may be made onto a specified Roundup Ready crop during the complete cropping season. Do NOT combine these directions for use with the same crops listed in the "ANNUAL AND PERENNIAL CROPS" and "PASTURE GRASSES, FORACE LEGUMES AND RANGELAND" sections of this label, which are intended for crops that do not contain a glyphosate-tolerance gene.

NOTE: Roundup Ready seed and the method of selectively controlling weeds in a Roundup Ready sero pare 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 planting. Bayer CropScience LP 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 a Roundup Ready trait cannot be used for research and demonstration, reverse engineering or in connection with herbicide registration. Progeny seed containing a Roundup Ready trait may not be saved for replanting or transferred to others for replanting. Contact your Authorized Bayer CropScience LP for information on obtaining a limited use license.

USE INSTRUCTIONS: Refer to the "ANNUAL WEEDS RATE SECTION" and 
"PERENNIAL WEEDS RATE SECTION" of this label for application rates for 
specific weeds. When applied as directed, this product will control the annual 
and perennial grasses and broadleaf weeds listed. Observe the maximum 
application rates and crop stage timings specified for individual Roundup 
Ready crops in the sections that follow.

Sprayer Preparation: It is important that sprayer and mixing equipment be clean and free of pesticide residue before being used to apply this product over the top of Roundup Ready crops. Follow the cleaning procedures specified on the label of the product(s) previously used. THOROUGHLY CLEAN THE SPRAY TANK AND ALL LINES AND FILERS TO ELIMINATE POTENTIAL CONTAMINATION FROM OTHER HERBICIDES PRIOR TO MIXING AND APPLYING THIS PRODUCT.

ATTENTION: AVOID DRIFT. USE EXTREME CARE WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS THAT DO NOT CONTAIN A GLYPHOSATE-TOLERANCE GENE.

Ground broadcast application — Apply this product in 5 to 20 gallons of spray solution per acre, unless otherwise directed. Select proper nozzles and spray pressure settings to avoid spraying a fine mist. For enhanced results with ground application equipment, use flat-fan nozzles. Check for even distribution of spray droplets.

Aerial application — Unless otherwise prohibited, all applications of this product described in this section may be made using aerial application equipment, where appropriate, provided that the applicator complies with the precautions and restrictions specified on this label and on all supplemental labeling published separately for this product. Apply this product in 3 to 15 gallons of water per acre. See the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label for important information on aerial application and procedures for avoiding spray drift that could cause injury to any vegetation not intended for application. Use of appropriate buffer zones will help prevent injury to adjacent vegetation.

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

TANK MIXTURES: Tank mixtures of this product with other herbicides. insecticides, fungicides, micronutrients or foliar fertilizers could result in reduced weed control or crop injury when applied over the top of Roundup Ready crops. Read the label of all products used in the tank mixture prior to use to determine the potential for crop injury. Always read and follow label directions for all products in the tank mixture. Use all products according to rates and timing specified on the product label. Always predetermine the compatibility of tank-mix products together in the carrier by mixing small proportional quantities in advance. Bayer CropScience LP has not tested this product with all tank-mix product formulations for compatibility, antagonism or performance. To the extent consistent with applicable law, buyer and all users are responsible for any and all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not specifically listed on this label or on separate supplemental labeling or Fact Sheets for this product. See the "MIXING" section of this label for more information on tank mixtures.

Unless otherwise directed, nonionic surfactant may be added to the spray solution for application to Roundup Ready crops. The addition of certain surfactants to a spray solution of this product could result in some crop response including leaf speckling or leaf necrosis due to the surfactant, Refer to the individual Roundup Ready crop sections that follow, or to separate supplemental labeling, for additional precautions or restrictions on the use of surfactants. Refer to the "MIXING" section of this label for additional information on the use of surfactants with this product.

Ammonium sulfate may be added to spray solutions of this product for application to Roundup Ready crops. Refer to the "MIXING" section of this label for instructions on the use of ammonium sulfate.

The following use 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, apply this product as a preplant burndown application to control existing weeds prior to crop emergence. Some weeds, such as black nightshade, broadleaf signalgrass, sicklepod, Texas panicum, sandbur, annual morning glory, woolly cupgrass, shattercane, wild proso millet, burcucumber, and giant ragweed with multiple germination times, or suppressed (stunted) weeds, might require a second application of this product for complete control. Make second application after some re-growth has occurred and a minimum of 10 days after a previous application of this product.

Application rates of this product specified on this label for hard-to-control weeds, or those specified on separate supplemental labeling for this product. supersede rates in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label, Additional information on hard-to-control weeds can be found on Fact Sheets published for this product.

RESTRICTIONS: Observe the maximum application rates stated throughout this label. Maximum application rates apply to the use of this product combined with the use of any and all other herbicides containing glyphosate, whether applied separately or as mixtures. Calculate the application rates (glyphosate acid equivalents) and ensure that the total use of this and other glyphosate-containing products does not exceed the stated maximum rate. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates. When applying this product as a tank mixture with one or more products, refer to each individual tank-mix product label for restrictions and apply the tank mixture in accordance with the most restrictive statements for each product in the tank

#### 12.1 Roundup Ready Alfalfa

TYPES OF APPLICATION: Preplant; At-planting; Preemergence; Postemergence

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product.

Maximum Application Rates				
Combined total per year for all applications including Preplant during year of establishment	5.3 quarts per acre			
Preplant, At-planting and Preemergence single application	44 fluid ounces per acre			
Combined total per year for In-crop application on newly established and established stands	4.1 quarts per acre			

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT NFORMATION" section of this label for more information on Maximum Application Rates

#### Preplant, At-Planting, Preemergence

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

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied 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 the forage and hay, apply this product after weeds have emerged, but before alfalfa growth or re-growth interferes with spray coverage of the target weeds.

Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds. When applied as directed, this product will control the annual and perennial grasses and broadleaf weeds listed. This product will also suppress or control the parasitic weed dodder (Cuscuta spp.) in Roundup Ready alfalfa. More than one application might be necessary for complete control.

PRECAUTIONS: Freezing or near freezing conditions, or large temperature swings, within 5 days after application of this product to Roundup Ready alfalfa could result in a limited, temporary crop response.

New Stand Establishment (Seeding Year) - Due to the biology and breeding constraints of alfalfa, up to 10 percent of the seedlings will not contain a 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, make a single application of at least 22 fluid ounces of this product per acre at or before the 4-trifoliate growth stage. Refer to the following table for application rates during stand establishment (seeding year).

or approach rates during starta social informatic (security year).			
NEW STAND ESTABLISHMENT (Seeding Year)			
Application Rates			
Prior to First Cutting			
From emergence up to 4 trifoliate leaves	22 to 44 fluid ounces per acre		
From 5 trifoliate leaves up to 5 days	Up to 44 fluid ounces per acre		

before first cutting After First Cutting In-crop application, per cutting, up to Up to 44 fluid ounces per acre 5 days before cutting

TANK MIXTURES: Up to 44 fluid ounces of this product per acre may be applied postemergence (in-crop) over the top of Roundup Ready alfalfa in the seeding year in a tank-mix with the following products after weeds have emerged, but before alfalfa growth or re-growth interferes with spray coverage of the target weeds. Ensure that the product used in the tank-mix is labeled for application postemergence (in-crop) to alfalfa. Read and follow label directions for all products in the tank mixture.

clethodim: imazamox: imazethapyr: sethoxydim: quizalofop p-ethyl

Assure II; Poast; Poast Plus; Pursuit; Raptor; Select 2 EC; Select Max Herbicide with Inside Technology

Pursuit or Raptor applied to seedling alfalfa could result in a 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 could result.

Established Stands (Non-seeding Year) — Refer to the following table for directions and application rates for in-crop application to established stands of alfalfa (non-seeding year).

ESTABLISHED STANDS (Non-seeding Year) Application Rates	
In-crop application, per cutting, up to 5 days before cutting	Up to 44 fluid ounces per acre

TANK MIXTURES: This product may be applied postemergence (in-crop) over the top of established stands of Roundup Ready alfalfa in tank mixtures described below according to the growing condition of the crop. Ensure that the product used is labeled for application postemergence (in-crop) to alfalfa. Read and follow label directions for all products in the tank mixture.

Actively growing alfalfa: For control of emerged annual grasses and broadleaf weeds when alfalfa is actively growing, this product may be applied at up to 44 fluid ounces per acre in a tank mixture with the following herbicides.

clethodim: imazamox: imazethapyr: sethoxydim: quizalofop-p-ethyl

Assure II; Poast; Poast Plus; Pursuit; Raptor; Select 2 EC; Select Max Herbicide with Inside Technology

Do not include crop oil concentrate or methylated seed oil in tank mixtures of this product with Pursuit or Raptor as unsatisfactory crop injury could result.

Dormant alfalfa: For control of emerged annual grasses and broadleaf weeds when alfalfa is dormant, this product may be applied at up to 44 fluid ounces per acre in a tank mixture with the following herbicides when daily temperatures remain above freezing.

imazamox; imazethapyr; metribuzin; pronamide; propyzamide

Kerb 50-W: Kerb SC: Pursuit: Raptor: TriCor 4F: TriCor DF

Do not include crop oil concentrate or methylated seed oil in tank mixtures of this product with Pursuit or Raptor as unsatisfactory crop injury could result.

PRECAUTIONS: Where Roundup Ready alfalfa is grown with a companion or cover crop, or is over-seeded with a second species, in-crop (over-the-top) application of this product will eliminate the non-Roundup Ready (non-glyphosate-tolerant) species.

RESTRICTIONS: Do not exceed 44 fluid ounces per acre for any single in-crop application of this product. Sequential applications of this product must be a minimum of 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 4.1 quarts (132 fluid ounces) per acre. Do' not apply to frozen or snow covered ground. Remove domestic livestock before application. Wait a minimum of 5 days after application before grazing, or cutting or feeding of forage and hay.

#### Roundup Ready Canola (Spring Varieties) **12**.2

For directions for use of this product on TruFlex™ Roundup Ready® Canola. refer to that section of this label. DO NOT combine these directions for use on Roundup Ready canola with the directions for use on TruFlex™ Roundup Ready® canola.

Roundup Ready spring canola is defined as those Roundup Ready canola' varieties that are seeded in the spring and harvested in the fall and do not enter a winter dormancy period.

TYPES OF APPLICATION: Preplant: At-Planting: Preemergence: Postemergence' (In-crop); Postemergence (In-crop) in Hybrid Seed Production Only USE INSTRUCTIONS: Refer to the following table for the maximum application

rates for this product with spring varieties of Roundup Ready canola.			
Maximum Application Rates			
Total for all Preplant, At-Planting, Preemergence applications	44 fluid ounces per acre		
Total for all In-crop applications from	22 fluid ounces per acre		

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 44 fluid ounces per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied postemergence (in-crop) to spring varieties of Roundup Ready canola from emergence through the 6-leaf stage of development, unless otherwise directed. Application made during bolting or flowering could result in crop injury and yield loss. To maximize yield potential, eliminate competing weeds early.

Single Application - Apply 11 to 16 fluid ounces of this product per acre no later than the 6-leaf stage for the control of annual weeds. Avoid overlapping applications as this could result in temporary yellowing, delayed flowering, and/or growth reduction. Similar crop injury could result when more than 11 fluid ounces per acre is applied after the 4-leaf stage.

Sequential Application - Apply 11 fluid ounces of this product 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 application works better for control of early emerging annual and perennial weeds, such as Canada thistle and quackgrass, or whenever more than one application is needed for acceptable weed control.

RESTRICTIONS: No more than two in-crop (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 22 fluid ounces of this product per acre. Allow a minimum of 60 days between application and canola harvest.

#### Postemergence (In-crop) in Hybrid Seed Production Only

THIS POSTEMERGENCE APPLICATION IS FOR USE ONLY IN HYBRID CANOLA SEED PRODUCTION OF BOTH SPRING AND WINTER VARIETIES. DO NOT MAKE THIS APPLICATION ON CANOLA GROWN FOR FOOD OR FEED.

This product may be applied at a rate of between 11 and 22 fluid ounces per acre from emergence until pollination is complete or near completion for the control of non-glyphosate-tolerant canola pollen parental line(s) in hybrid canola seed production fields containing both Roundup Ready canola line(s) and non-glyphosate-tolerant line(s). Sequential applications may be made for the control of non-glyphosate-tolerant pollen parental lines up to a maximum total application rate of 22 fluid ounces per acre.

RESTRICTIONS: Allow a minimum of 5 days between sequential applications. Maximum total application rate of this product for ALL postemergence (in-crop) applications in hybrid canola seed production fields, including application for weed control and control of non-glyphosate-tolerant canola, is 22 fluid ounces per acre.

## 12.3 Roundup Ready Canola (Winter Varieties)

For directions for use of this product on TruFlex Roundup Ready Canola, refer to that section of this label. DO NOT combine these directions for use on Roundup Ready canola with the directions for use on TruFlex Roundup Ready canola.

Roundup Ready winter canola is defined as those Roundup Ready canola varieties that are seeded in early-fall and harvested the following spring or summer. Winter canola varieties are intended to enter a cold period dormancy in the winter.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop)

USE INSTRUCTIONS: Refer to the following table for the maximum application rates of this product with winter varieties of Roundup Ready canala

rates of this product with whiter varieties of Roundap Ready Canola.			
Maximum Application Rates			
Total for all Preplant, At-Planting, Preemergence applications	44 fluid ounces per acre		
Total for all In-crop applications from emergence			
to canopy closure or prior to bolting in the spring			

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied to winter varieties of Roundup Ready canola from emergence to canopy closure in the fall and prior to bothing in kine spring. Application made during or after bothing could result in crop injury and yield loss. To maximize yield potential, eliminate competing weeds early.

Some weeds with multiple germination times, or suppressed (stunted) weeds, or weeds that have overwintered, might need a sequential application of this product for control. Make the second application after some re-growth has occurred and a minimum of 60 days after the initial application of this product.

Single Application — Apply 16 to 22 fluid ounces of this product per acre in the fall when weeds are small and actively growing. Use a higher rate within this range when weed densities are high, when weeds have overwintered or when weeds become large and well established. Application of more than 16 fluid bunces per acre prior to the 6-leaf stage could result in reduced crop growth in the fall. Avoid spray overlaps as this could result in temporary yellowing and/or growth reduction.

Sequential Application — Apply 11 to 22 fluid ounces of this product per acre to 2-leaf or larger canola in the fall, followed by a sequential application at the same rate and at a minimum interval of 60 days, but before bothing in the spring. Sequential application works best for control of early-emerging annual weeds and winter-emerging weeds, such as downy brome, jointed goatgress and ryegrass, and for weeds that have overwintered. This product will control or suppress most perennial weeds. For some perennial weeds, a sequential application might be needed to reduce competition with the crop.

RESTRICTIONS: No more than two over-the-top broadcast applications may be made from crop emergence up to the onset of bolting and the total in-crop application must not exceed 44 fluid ounces of this product per acre. Allow a minimum of 60 days between application and harvest of canola grain. No waiting period is required between apolication and open grazing of livestock.

#### 2.4 TruFlex Roundup Ready Canola (Spring Varieties)

TruFlex Roundup Ready spring canola is defined as those varieties of TruFlex Roundup Ready canola that are seeded in the spring and harvested in the fall and do not enter a period of winter dormancy.

The directions for use provided in this section are specific to and may only be used with varieties designated as TruFlex Roundup Ready canola. Applications described on this label made over the top of canola that is not designated as TruFlex Roundup Ready canola could cause serious crop injury and reduced yields. Do NOT combine these directions for use with those in the "Roundup Ready Canola" section of this label or with any other directions for use on canola on labeling for this or any other glyphosate-containing product. Drift of this product from an application made to TruFlex Roundup Ready canola onto adjacent fields of Roundup Ready canola could cause extensive crop injury.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop); Postemergence (In-crop) in Hybrid Seed Production Only

USE INSTRUCTIONS: Refer to the following table for the maximum application rates of this product with spring varieties of TruFlex Roundup Ready canola.

Maximum Application Rates	
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre
Total for all In-crop applications from emergence through harvest	44 fluid ounces per acre
Total for all In-crop applications from emergence through the 6-leaf stage	44 fluid ounces per acre
Total for all In-crop applications from the 6-leaf stage through first-flower	22 fluid ounces per acre

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: Up to 3.3 quarts of this product may be applied before, during or after planting spring varieties of TruFlex Roundup Ready canola.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied postemergence (in-crop) to spring varieties of Turlex Roundup Ready canola from emergence through the first-flower stage of development. To maximize yield potential, eliminate competing weeds early.

For control of Canada thistle and morning glory, apply 44 fluid ounces of this product per acre no later than the 6-leaf stage of canola development. For control of wild buckwheat over 2 inches in size, make sequential applications of 22 fluid ounces followed by 22 fluid ounces of this product per acre. For control of other annual weeds, apply up to 44 fluid ounces of this product per acre no later than the 6-leaf stage or up to 22 fluid ounces after the 6-leaf stage through first-flower.

RESTRICTIONS: No more than two in-crop (over-the-top) broadcast applications may be made from crop emergence through the first-flower stage of canola development and the total in-crop application must not exceed 44 fluid ounces of this product per acre. No more than 22 fluid ounces of this product may be applied in-crop after the 6-leaf stage.

#### Postemergence (In-crop) in Hybrid Seed Production Only

THIS POSTEMERGENCE APPLICATION IS FOR USE ONLY IN HYBRID CANOLA SEED PRODUCTION OF BOTH SPRING AND WINTER VARIETIES. DO NOT MAKE THIS APPLICATION ON CANOLA GROWN FOR FOOD OR FEED.

This product may be applied at a rate of between 11 and 22 fluid ounces per acre from emergence until pollination is complete or near completion for the control of non-Glyphosate-tolerant canola pollen parental line(s) in hybrid canola seed production fields containing both Roundup Ready canola line(s) and non-glyphosate-tolerant line(s). Sequential applications may be made for the control of non-glyphosate-tolerant pollen parental lines up to a maximum total application rate of 22 fluid ounces per acre.

RESTRICTIONS: Allow a minimum of 5 days between sequential applications; Maximum total application rate of this product for ALL postemergence (in-crop) applications in hybrid canola seed production fields, including application for weed control and control of non-glyphosate-tolerant canola; is 22 fluid ounces per acre.

# 12.5 Field Corn Hybrids with Roundup Ready 2 Technology

Field corn hybrids with Roundup Ready 2 Technology include Roundup Ready Corn 2 and field corn seed products displaying the Roundup Ready 2 Technology logo.

The directions for use in this section apply only to use on FIELD CORN hybrids with Roundup Ready 2 Technology. For directions for use on SWEET CORN hybrids that contain Roundup Ready 2 Technology, see the "Sweet Corn Hybrids with Roundup Ready 2 Technology" section of this label.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop); Spot Treatment; Preharvest; Post-Harvest; Postemergence (In-crop) for Tassel Control in Roundup Hybridization Systems Only

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with field corn hybrids with Roundup Ready 2 Technology.

rates of this product with held confrigurius with roundup ready 2 reciniology			
Maximum Application Rates			
Combined total per year for all applications	5.3 quarts per acre		
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre		
Maximum single In-crop application rate up to 48-inch corn	32 fluid ounces per acre		
Total for all In-crop applications from emergence through 48-inch corn	64 fluid ounces 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*	22 fluid ounces per acre		

<sup>\*</sup>See RESTRICTIONS for Preharvest application.

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

PRECAUTIONS: The use of the in-crop (over-the-top) rates described in this section on other than field corn hybrids with Roundup Ready 2 Technology could cause crop injury and reduced yields.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting field corn hybrids with Roundup Ready 2 Technology.

TANK MIXTURES: This product may be tank-mixed with the following products: Apply these tank mixtures in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre. Ensure that the product used is labeled for application prior to emergence of field corn. Read and follow label directions for all products in the tank mixture.

2.4-D; acetochlor; atrazine; bicyclopyrone; carfentrazone-ethyl; clopyralid; dicamba; diflufenzopyr; dimethenamid; dimethenamid-p; flufenacet; flumetsulam; flumiclorac pentyl ester; isoxaflutole; linuron; mesotrione; metolachlor; s-metolachlor; metribuzin; pendimethalin; rimsulfuron; saflufenacil; simazine; thiencarbazone-methyl

AAtrex AL; AAtrex Nine-O; Acuron; Acuron Flexi; Aim EC; Aim EW; Atrazine 4L; Atrazine 90 DF; Axiom DF; Balance Flexx; Banvel; Balance 480; Bicep II MAGNUM; Bicep II MAGNUM; Callisto; Cinch; Cinch ATZ; Cinch ATZ Lite; Clarity; Corvus; Degree Xtra; Distinct; Dual MAGNUM; Dual II MAGNUM; FulTime; FulTime NXT; Guardsman MAX; Harness; Harness Xtra; A16; Hornet WDG Broadleaf Blend; Keystone; Keystone LA; Keystone LA NXT; Keystone NXT; Leadoff; Linex 4L; Lorox DF; Marksman; Me-Too-Lachlor II; Outlook; Prowl 3:3 EC; Prowl H2O; Python WDG; Resicore; Resolve DF; Resolve O; Resolve SG; Resource; Shark EW; Shark H2O; Sharpen Powered by Kixor; Simazine 4L Flowable; Simazine 90 PD; Simazine 90 WDG; Stalwart; Stalwart C; Stalwart Xtra; Stinger; Surpass NXT; TopNotch; TripleTEX II

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season. Application of 2,4-D or dicamba must be made a minimum of 7 days prior to planting corn.

NOTE: For maximum weed control, make a postemergence (in-crop) application of this product following application of a preemergence residual broduct listed above.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied alone or in a tank-mix over the top of field corn hybrids with Roundup Ready 2 Technology from emergence through the V8 stage (8 leaves with collars), or until corn plant height reaches 30 inches (freestanding), whichever comes first, unless otherwise directed. Use drop nozzles for optimum spray coverage and weed control when corn plant height it a 24 to 30 inches. When corn plants are 30 to 48 linches tall (freestanding), apply this product using <a href="mailto:online">online</a> with drop nozzles aligned to avoid spraying into the whorls of the corn plants. Maximum single in-crop application rate of this product up to 48-inch field corn is 32 fluid ounces per acre. Total in-crop application of this product from corn plant emergence through 48 inches in height must not exceed 64 fluid ounces per acre.

When applied as directed, this product will control annual grasses and broadleaf weeds isted on this label. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product. Make a postemergence application of 16 to 22 fluid ounces of this product per acre before weeds exceed 4 inches in height (before they become competitive with the crop). Repeat this application before new flushes of weeds exceed 4 inches in height.

TANK MIXTURES: This product may be tank-mixed with the following products. Ensure that the product used is labeled for application postemergence (in-crop) to field corn. Read and follow label directions for all products in the tank mixture.

2,4-D; acetochlor; atrazine; bicyclopyrone; carfentrazone-ethyl; clopyralid; dicamba; diflufenzopyr; flumetsulam; flumiclorac pentyl ester; foramsulfuron, halosulfuron-methyl; iodosulfuron-methyl-sodium; isoxaflutole; mesotrione; nicosulfuron; rimsulfuron; tembotrione; thiencarbazone-methyl; thifensulfuron methyl; tooramezone

Acuron; Acuron Flexi; Aim EC; Aim EW; Banvel; Banvel 480; Basis; Basis Blend; Callisto; Callisto Xtra; Capreno; Clarity; Corvus; Degree Xtra; Distinci; Harness; Harness Xtra; Harness Xtra; Atsness Xtra; Astness X

RESTRICTIONS: Allow a minimum of 10 days between in-crop applications of this product. Allow a minimum of 50 days between application of this product and harvest of com forage or grain.

#### Preharvest

USE INSTRUCTIONS: Up to 22 fluid ounces of this product per acre may be applied for annual and perennial weed control prior to harvest when kernel fill is complete and the corn is physiologically mature (black layer formed) and grain moisture is 35 percent or less.

RESTRICTIONS: A preharvest application may be made only if the combined total of previously applied over-the-top or drop nozzle applications does not exceed 44 fluid ounces of this product per acre. Allow a minimum of 7 days between application and harvest or feeding of corn stover or grain.

#### Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after crop harvest. Higher rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2.4—b or dicamba may be used. Ensure that the product used is labeled for post-harvest application in field corn. Read and follow label directions for all broducts in the tank mixture.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest or the feeding of vegetation within the application area. Application must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

#### Postemergence (In-crop) for Tassel Control in Roundup Hybridization Systems Only

THIS APPLICATION IS FOR USE ONLY IN SEED PRODUCTION OF CORN HYBRIDS USING THE ROUNDUP HYBRIDIZATION SYSTEM (RHS). DO NOT MAKE THIS APPLICATION ON CORN GROWN FOR FOOD OR FFFD.

The RHS designation indicates that the corn contains Bayer CropScience LP proprietary gene technology that allows for tassel-only susceptibility to this product. Use of this product on corn hybrids or inbreds that are not designated as RHS or as corn containing Roundup Ready 2 Technology could result in severe crop injury and yield loss.

USE INSTRUCTIONS: This product may be applied at rates of between 11 and 32 fluid ounces per acre as an over-the-top broadcast application for tassel control in RHS-based seed corn production fields from the V8 stage until either the V13 stage or 100 GDU (Growing Degree Units) before flowering.

RESTRICTIONS: Make no more than two applications of this product for tassel control. The maximum total application rate of this product for tassel control is 64 fluid ounces. The maximum combined total amount of this product that may be applied per year for both weed control and tassel control is 5.3 quarts per acre.

# 12.6 Sweet Corn Hybrids with Roundup Ready 2 Technology

Sweet corn hybrids with Roundup Ready 2 Technology include Roundup Ready Sweet Corn and sweet corn seed products displaying the Roundup Ready 2 Technology logo.

The directions for use in this section apply only to use on SWEET CORN hybrids with Roundup Ready 2 Technology. For directions for use on FIELD CORN hybrids that contain Roundup Ready 2 Technology, see the "Field Corn Hybrids with Roundup Ready 2 Technology" section of this label.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop)

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with sweet corn hybrids with Roundup Ready 2 Technology.

Maximum Application Rates				
Combined total per year for all applications	5.3 quarts per acre			
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre			
Maximum single In-crop application rate up to 48-inch sweet corn	44 fluid ounces per acre			
Total for all In-crop applications from emergence through 48-inch sweet corn	4.1 quarts per acre			

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Apolication Rates.

PRECAUTIONS: The use of the in-crop (over-the-top) applications described in this section on other than sweet corn hybrids with Roundup Ready 2 Technology could cause crop injury and reduced yields.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied alone or in a tank mixture before, during or after planting sweet corn hybrids with Roundup Ready 2 Technology.

TANK MIXTURES: This product may be tank-mixed with the residual herbicide products listed below for maximum weed control. Ensure that the product used is labeled for application prior to emergence of sweet corn. Read and follow label directions for all products in the tank mixture. Apply these tank mixtures in 10 to 20 gallons of water or in 10 to 60 gallons of nitrogen solution per acre.

acetochlor; arrazine; carfentrazone-ethyl; dimethenamid-p; metolachlor;

AAtrex 4L; AAtrex Nine-O; Aim EC; Aim EW; Atrazine 4L; Atrazine 90 DF; Bicep II MAGNUM; Bicep II MAGNUM FC; Bicep Lite II MAGNUM; Cinch; Cinch ATZ, Degree Xtra; Dual MAGNUM; Dual II Magnum; Full'ime; Guardsman MA; Harness Xtra; Harness Xtra; Larness Xtra; Larness Xtra; Larness Xtra; Harness Xtra

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: Apply this product alone or in a tank mixture over the top of sweet corn hybrids with Roundup Ready 2 Technology from emergence through the V8 stage (8 leaves with collars), or until sweet corn plant height reaches 30 inches (freestanding), whichever comes first. Use drop nozzles for optimum spray coverage and weed control when sweet corn plant height is 24 to 30 inches. When sweet corn plants are 30 to 48 inches tall (freestanding), apply this product using only ground application equipment fitted with drop nozzles aligned to avoid spraying into the whorls of the sweet corn plants. Avoid spraying if the crop has reached the reproductive stage. Maximum single in-crop application rate of this product up to 48-inch sweet corn is 44 fluid ounces per acre. Total in-crop application of this product from emergence through 48 inches in height must not exceed 4.1 quarts (132 fluid ounces) per acre per growing season.

When applied as directed, this product will control annual grasses and broadleaf weeds listed on this label. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product. Apply 16 to 22 fluid ounces of this product per acre before weeds exceed 4 inches in height or before they become competitive with the crop. If new flushes of weeds occur, a sequential application of 16 to 22 fluid ounces per acre may be made before weeds exceed 4 inches in height.

TANK MIXTURES: This product may be tank-mixed with the following products. Ensure that the product used is labeled for application postemergence (in-crop) to sweet corn. Read and follow label directions for all products in the tank mixture.

atrazine; carfentrazone-ethyl; foramsulfuron; tembotrione; topramezone

AAtrex 4L; AAtrex Nine-0; Aim EC; Aim EW; Atrazine 4L; Atrazine 90 DF; Callisto: Callisto Xtra: Impact: Laudis

RESTRICTIONS: Allow a minimum of 10 days between in-crop applications of this product. Do not apply atrazine in a tank-mix with this product when sweet com plants are greater than 12 inches tall. Allow a minimum of 30 days between application of this product and harvest of sweet com forage or grain.

# 12.7 Roundup Ready Cotton

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop); Selective Equipment (In-crop); Preharvest

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready cotton.

rates of this product with Roundup Ready cotton.			
Maximum Application	Rates		
Combined total per year for all applications	5.3 quarts per acre		
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre		
Total for all In-crop applications from cracking to layby	2.5 quarts per acre		
Maximum Preharvest application rate	44 fluid ounces per acre		
Combined total for all In-crop applications from emergence through harvest	4 quarts per acre		

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT, INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with 2,4-D or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to the emergence of cotton. Read and follow label directions for all products in the tank mixture.

acetochlor; clomazone; diuron; flumioxazin; fluometuron; fomesafen; metolachlor; s-metolachlor; norflurazon; pendimethalin; prometyrn; pyrithiobac-sodium; saflufenacil

Caparol 4L, Command 3ME; Cotoran 4L; Cotton Pro; Dawn; Direx 4L; Dual MAGNUM; Dual II MAGNUM; Karmex DF; Prowl 3.3 EC; Prowl H2O; Reflex; Rowel; Sharpen Powered by Kixor; Stalwart; Staple LX; Valor SX; Warrant; Warrant Ultra

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied over the top of Roundup Ready cotton (in-crop) at rates of up to 22 fluid ounces per acre per application from cracking until the 4-leaf (node) stage of development (until the fifth true leaf reaches the size of a quarter). NO MORE THAN TWO OVER-THE-TOP BROADCAST APPLICATIONS MAY BE MADE FROM CROP EMERGENCE THROUGH THE 4-LEAF (NODE) STAGE OF DEVELOPMENT. SEQUENTIAL OVER-THE-TOP OR POST-DIRECTED APPLICATIONS OF THIS PRODUCT IN-CROP MUST BE A MINIMUM OF 10 DAYS APART AND COTTOM MUST HAVE AT LEAST TWO NODES OF INCREMENTAL GROWTH BETWEEN APPLICATIONS. Over-the-top application made after the 4-leaf (node) stage ind development could result in boll loss, delayed maturity and/or vield loss.

TANK MIXTURES: This product may be tank-mixed with the following products and applied over the top of Roundup Ready cotton up to the 4-leaf stage. Ensure that the product used is labeled for application postemergence (in-crop) to cotton. Read and follow label directions for all products in the tank mixture.

o cotton. Nead and follow label directions for all products in the tank mixture acetochlor; clethodim; fluazifop-P-butyl; fomesafen; metolachlor; s-metolachlor; monosodium acid methanearsonate; pyrithiobac-sodium; quizalofop-P-ethyl, sethoxydim; trifloxysulfuron-sodium

Assure II; Dual MAGNUM; Dual II MAGNUM; Envoke; Fusilade DX; MSMA 6 Plus; MSMA 6.6: Poast; Poast Plus; Reflex; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Stalwart; Staple LX; Warrant; Warrant Ultra

Staple LX could cause leaf yellowing and/or leaf crinkling when applied postemergence (in-crop) to Roundup Ready cotton.

Dual MAGNUM, Dual II MAGNUM and Stalwart applied over the top of Roundup Ready cotton could cause leaf injury in the form of necrotic spotting.

Salvage Treatment — may be made after the 4-leaf stage of development and only when weeds threaten to cause the loss of the crop. Apply 22 fluid bunces of this product per acre either as an over-the-top application or as a post-directed application sprayed higher on the cotton plants and onto the weeds.

IN THE STATE OF ARIZONA ONLY, up to 32 fluid ounces of this product may be applied per acre either as an over-the-top application or a post-directed application for salvage treatment.

NOTE: SALVAGE TREATMENT WILL RESULT IN SIGNIFICANT BOLL LOSS, DELAYED MATURITY AND/OR YIELD LOSS. NO MORE THAN ONE SALVAGE TREATMENT MAY BE MADE PER GROWING SEASON.

RESTRICTIONS: Maximum quantity of this product that may be applied for all in-crop applications from cracking to layby combined is 2.5 quarts per acre per season. Allow a minimum of 7 days between application and harvest of cotton. DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT (OTHER THAN THOSE CONTAINED IN ANY TANK-MIX PRODUCT) FOR OVER-THE-TOP APPLICATION TO ROUNDUP READY COTTON.

#### Selective Equipment (In-crop)

USE INSTRUCTIONS: This product may be applied using precision post-directed or hooded sprayers at rates of up to 22 fluid ounces per acre per application to Roundup Ready cotton through layby. At this crop stage, use post-directed application equipment to direct the spray towards the base of the cotton plants, avoiding contact of the herbicide spray with the leaves of the plant. To minimize contact, maintain a low spray pressure (less than 30 pounds per square inch) and place nozzles in a low position directing a horizontal spray pattern under the leaves of the cotton plant and onto the weeds in the row. For enhanced results, apply this product while weeds are

small (less than 3 inches in height). See additional use instructions in the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label.

TANK MIXTURES: This product may be tank-mixed with the following products for in-crop application using precision post-directed or hooded sprayers. Ensure that the product used is labeled for application postemergence (in-crop) to cotton. Read and follow label directions for all products in the tank mixture.

acetcohlor; carfentrazone-ethyl; diuron; flumioxazin; fluometuron; fomesafen; linuron; metolachlor; monosodium acid methanearsonate; pendimethalin; prometyrn; pyrithiobac-sodium; trifloxysulfuron-sodium

Aim EC; Aim EW; Caparol 4L; Cotoran 4L; Direx 4L; Envoke; Layby-Pro; MSMA 6 Plus; MSMA 6.6; Prowl 3.3 EC; Prowl H20; Rowel; Staple LX; Valor SX, Warrant; Warrant Ultra

Staple LX could cause leaf yellowing and/or leaf crinkling when applied postemergence (in-crop) to Roundup Ready cotton.

RESTRICTIONS: Maximum quantity of this product that may be applied for all in-crop applications from cracking to layby combined is 2.5 quarts per acre per season. Allow a minimum of 7 days between application and harvest of cotton. NO MORE THAN TWO APPLICATIONS OF THIS PRODUCT MAY BE MADE FROM THE 5-LEAF STAGE THROUGH LAWY, SEQUENTIAL OVER-THE-TOP OR POST-DIRECTED IN-CROP APPLICATIONS OF THIS PRODUCT MUST BE A MINIMUM OF 10 DAYS APART AND COTTON MUST HAVE AT LEAST TWO NODES OF INCREMENTAL GROWTH BETWEEN APPLICATIONS.

#### reharvest

USE INSTRUCTIONS: Up to 44 fluid ounces of this product per acre may be applied for annual and perennial weed control prior to crop harvest after 20 percent boll crack.

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

PRECAUTIONS: Do not apply this product for preharvest weed control to cotton grown for seed, as a reduction in germination or vigor could occur. Buyer and all users are responsible for any and all loss or damage in connection with the preharvest use of this product on Roundup Ready cotton grown for seed.

RESTRICTIONS: Allow a minimum of 7 days between application and harvest of cotton. DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR PREHARVEST APPLICATION TO ROUNDUP READY COTTON.

ATTENTION: USE OF THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS IS EXPECTED TO RESULT IN NORMAL GROWTH OF ROUNDUP READY 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 ACCORDANCE WITH THE LABEL DIRECTIONS. IN SOME CASES, THESE FACTORS CAN RESULT IN BOLL LOSS, DELAYED MATURITY AND/OR YIELD LOSS.

# 12.8 Roundup Ready Flex Cotton

The directions for use of this product provided in this section are specific to and may only be used with varieties designated as Roundup Ready Flex cotton. Applications described in this section made over the top of cotton other than Roundup Ready Flex cotton will cause crop injury and reduced yields. DO NOT combine the directions for use in this section with those in the "Roundup Ready Cotton" section of this label, or with any other directions for use on Roundup Ready cotton or Roundup Ready Flex cotton on labeling for this or any other gyphosate-containing product. Drift of this product from an application made to Roundup Ready Flex cotton onto adjacent fields of post 4-leaf (node) Roundup Ready cotton could cause extensive crop injury, including boll loss, delayed maturity and/or yield loss.

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop): Preharvest

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready Flex cotton.

Maximum Application	Rates
Combined total per year for all applications	5.3 quarts per acre
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre
Total for all In-crop applications from cracking to 60 percent open bolls	4.0 quarts per acre
Total for all In-crop applications between layby and 60 percent open bolls	44 fluid ounces per acre
Total for all in-crop applications from 60 percent open bolls to 7 days prior to harvest	44 fluid ounces per acre
Total for all In-crop applications from emergence through harvest	4 quarts per acre
See the "ROUNDUP READY CROPS" section	of this label for information

regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with 2,4-D or Clarity, and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of cotton. Read and follow label directions for all products in the tank mixture.

acetochlor; clomazone; diuron; flumioxan; fluometuron; fomesafen; metolachlor; s-metolachlor; norflurozon; pendimethalin; prometyrn; pyrithiobac-sodium; saflufenacil

Caparol 4L; Command 3ME; Cotoran 4L; Cotton Pro; Dawn 4L; Direx; Dual MAGNUM; Dual II MAGNUM; Karmex DF; Prowl 3.3 EC; Prowl 12C); Reflex; Rowel; Sharpen Powered by Kixor; Stalwart; Staple LX; Valor SX; Warrant; Warrant Ultra

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied to control annual grasses and broadleaf weeds listed on this label in Roundup Ready Flex cotton. To maximize yield potential, eliminate competing weeds early. Many perennial weeds will be controlled or suppressed with one or more applications of this product. Use an initial application rate of 22 fluid ounces per acre to control or suppress 1 to 3 inch tall annual grasses and broadleaf weeds. This product may be applied postemergence to Roundup Ready Flex cotton using ground application equipment at rates up to 32 fluid ounces per acre per application. In addition to broadcast application, post-directed spray equipment may be used to achieve more thorough

IN THE STATES OF ARIZONA, NEW MEXICO AND TEXAS (WEST OF I-35); ONLY, up to 44 fluid ounces of this product per acre may be applied per postemergence application using ground application equipment.

TANK MIXTURES: This product may be tank-mixed with the following products and applied postemergence (in-crop) over the top of Roundup Ready Flex cotton.

acetochlor; clethodim; fluazifop-P-butyl; fomesafen; metolachlor; s-metolachlor; monosodium acid methanearsonate; pyrithiobac-sodium; quizalofop-p-ethyl; sethoxydim; trifloxysulfuron-sodium

Quazanoby-Perury, semonyani, timosyaniun'in-sount Assure II; Dual MAGNUM; Dual II MAGNUM; Envoke; Fusilade DX; MSMA 6 Plus; MSMA 6.6; Poast; Poast Plus; Reflex; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Stalwart; Staple LX; Warrant; Warrant Ultra

Staple LX could cause leaf yellowing and/or leaf crinkling when applied postemergence (in-crop) in Roundup Ready Flex cotton.

Dual MAGNUM, Dual II MAGNUM and Stalwart applied over the top of Roundup Ready Flex cotton could cause leaf injury in the form of necrotic spotting.

This product may be tank-mixed with the following products for in-crop application using precision post-directed or hooded sprayers.

acetochlor; carfentrazone-ethyl; diuron; flumioxazin; fluometuron; fomesafen; linuron; metolachlor; monosodium acid methanearsonate; pendimethalin; prometyrn; pyrithiobac-sodium; trifloxysulfuron-sodium

Aim EC: Aim EW: Caparol 4L: Cotoran 4L: Direx 4L: Envoke: Lavby-Pro: MSMA 6 Plus; MSMA 6.6; Prowl 3.3 EC; Prowl H2O; Rowel; Staple LX; Valor SX; Warrant; Warrant Ultra

Staple LX could cause leaf yellowing and/or leaf crinkling when applied

postemergence (in-crop) in Roundup Ready Flex cotton. Ensure that the product used is labeled for application postemergence

(in-crop) to cotton. Read and follow label directions for all products in the tank mixture RESTRICTIONS: The maximum single, in-crop application rate of this product to Roundup Ready Flex cotton using ground application equipment is 32 fluid ounces per acre, except in Arizona, New Mexico and west Texas (west of 1-35 only), where up to 44 fluid ounces per acre may be applied in a single application using ground application equipment. In-crop application rates above 22 fluid ounces per acre made alone or with the addition of other crop chemical products containing surfactant could cause a crop response including leaf speckling or leaf necrosis. Do not exceed a maximum single, in-crop application rate of 22 fluid ounces of this product per acre when using aerial application equipment, except in Arizona, New Mexico and west Texas (west of I-35 only), where up to 32 fluid ounces may be applied as a single application using aerial application equipment. Between layby and 60 percent open bolls, the maximum combined total application

DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTAINING SURFACTANT TO THIS PRODUCT FOR OVER-THE-TOP APPLICATION TO ROUNDUP READY FLEX COTTON.

bolls must not exceed 4.0 quarts per acre.

rate of this product is 44 fluid ounces per acre. The combined total for all

applications of this product made from crop emergence to 60 percent open

#### Preharvest

USE INSTRUCTIONS: Up to 44 fluid ounces of this product per acre may be applied to Roundup Ready Flex cotton for annual and perennial weed control prior to harvest after 60 percent boll crack.

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

RESTRICTIONS: Allow a minimum of 7 days between application and harvest of Roundup Ready Flex cotton. DO NOT ADD ADDITIONAL SURFACTANT OR ADDITIVES CONTÁINING SURFACTANT TO THIS PRODUCT FOR PREHARVEST APPLICATION TO ROUNDUP READY FLEX COTTON.

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 ACCORDANCE WITH THE LABEL DIRECTIONS, IN SOME CASES, THESE FACTORS CAN RESULT IN BOLL LOSS. DELAYED MATURITY AND/OR YIELD LOSS.

#### 12.9 Roundup Ready Soybean

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop): Preharvest: Post-Harvest

USE INSTRUCTIONS: Refer to the following table for maximum application rates of this product with Roundup Ready soybean.

Maximum Application Rates			
Combined total per year for all applications	5.3 quarts per acre		
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre		
Total for all In-crop applications from cracking through flowering (R2 stage soybean)	64 fluid ounces per acre		
Maximum Preharvest application rate	22 fluid ounces per acre		
See the "DOLINDLID DEADY COORS" coetion of this label for information			

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with 2,4-D, Banvel or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of soybean. Read and follow label directions for all products in the tank mixture.

acetochlor; carfentrazone-ethyl; chlorimuron ethyl; clethodim; clomazone; cloransulam-methyl; dimethenamid; dimethenamid-p; fenoxaprop-p-ethyl; fluazifop-p-butyl; flufenacet; flumetsulam; flumiclorac pentyl ester; flumioxazin: fomesafen: fluthiacet-methyl: imazaguin: imazethapyr: lactofen; linuron; metolachlor; s-metolachlor; metribuzin; pendimethalin; pyroxasulfone; quizalofop-P-ethyl; saflufenacil; sulfentrazone; tribenuron

Aim EC; Aim EW; Assure II; Authority Assist; Authority Elite; Authority First DF; Authority MAXX; Authority MTZ DF; Authority XL; Axiom DF; Blanket 4F; Boundary 6.5 EC; Cadet; Canopy; Canopy Blend; Canopy EX; Classic; Cobra; Command 3ME; Dawn; Dual MAGNUM; Dual II MAGNUM; Fierce; Fierce XLT: FirstRate: Flexstar: Fusion: Linex 4L: Lorox DF: Me-Too-Lachlor: Optill Powered by Kixor; Outlook; Phoenix; Prowl 3.3EC; Prowl H2O; Pursuit; Python WDG; Reflex; Resource; Rhythm; Rowel; Rowel FX; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor; Spartan 4F: Treflan 4L: Treflan 4 EC: TriCor 4F: TriCor DF: Valor SX: Valor XLT: Warrant: Warrant Ultra: Zidua

Aim EC; Aim EW; Assure II; Authority Assist; Authority Elite; Authority First

DF; Authority MAXX; Authority MTZ DF; Authority XL; Axiom DF; Blanket 4F; Boundary 6.5 EC; Cadet; Canopy; Canopy Blend; Canopy EX; Classic; Cobra: Command 3ME: Dawn: Dual MAGNUM: Dual II MAGNUM: Fierce: Fierce XLT: FirstRate: Flexstar: Fusion: Linex 4L: Lorox DF: Me-Too-Lachlor: Optill Powered by Kixor; Outlook; Phoenix; Prowl 3.3EC; Prowl H2O; Pursuit; Python WDG; Reflex; Resource; Rhythm; Rowel; Rowel FX; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor: Spartan 4F: Treflan 4L: Treflan 4 EC: TriCor 4F: TriCor DF: Valor SX: Valor XLT; Warrant; Warrant Ultra; Zidua; acetochlor; carfentrazoneethyl; chlorimuron ethyl; clethodim; clomazone; cloransulam-methyl; dimethenamid; dimethenamid-p; fenoxaprop-p-ethyl; fluazifop-p-butyl; flufenacet; flumetsulam; flumiclorac pentyl ester; flumioxazin; fomesafen; fluthiacet-methyl; imazaquin; imazethapyr; lactofen; linuron; metolachlor; s-metolachlor; metribuzin; pendimethalin; quizalofop-P-ethyl; saflufenacil; sulfentrazone; tribenuron methyl; trifluralin

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

USE INSTRUCTIONS: This product may be used to control annual grasses

#### Postemergence (In-crop)

and broadleaf weeds in Roundup Ready soybean from emergence (cracking) through flowering (R2 stage soybean). R2 stage soybean ends when a pod 5 millimeters (3/16 inch) long appears at one of the four uppermost nodes on the main stem with a fully developed leaf (R3 stage). Refer to the "ANNUAL WEEDS RATE SECTION" of this label for application rates for specific annual weeds. An initial application of 22 fluid ounces of this product per acre will control or suppress most 2- to 8-inch tall weeds, which are normally found approximately 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 applied up to 44 fluid ounces per acre as a single, in-crop application for control of annual weeds and where dense weed populations exist.

Application of 22 to 44 fluid ounces of this product per acre (single or multiple applications) will control or suppress perennial weeds, including bermudagrass, Canada thistle, common milkweed, field bindweed, hemp dogbane, horsenettle, marestail (horseweed), nutsedge, quackgrass, rhizome iohnsongrass, redvine, trumpetcreeper, swamp smartweed and wirestem muhly. For enhanced results, allow perennial weed species to achieve at least 6 inches of growth before applying this product.

Under adverse growing conditions, including drought, hail or wind damage, or a poor soybean stand that slows or delays canopy closure, a sequential application of this product might be necessary to control late flushes of weeds. IN THE SOUTHERN STATES. A SEQUENTIAL APPLICATION OF THIS PRODUCT WILL BE NEEDED TO CONTROL NEW FLUSHES OF WEEDS IN THE ROUNDUP READY SOYBEAN CROP. To control giant ragweed, apply 22 fluid ounces of this product per acre when the weed is 8 to 12 inches tall to increase control and possibly avoid the need for a sequential application. TANK MIXTURES: This product may be tank-mixed with the following products

and applied postemergence (in-crop) over the top of Roundup Ready soybean. Ensure that the product used is labeled for application postemergence (in-crop) to soybean. Read and follow label directions for all products in the tank mixture. acetochlor: acifluorfen: bentazon: chlorimuron ethyl: clethodim: cloransulam-methyl; fenoxaprop-P-ethyl; fluazifop-p-butyl; flumiclorac pentyl ester: fluthiacet-methyl; fomesafen; imazamox; imazethapyr; lactofen;

pendimethalin: quizalofop P-ethyl: sethoxydim: thifensulfuron-methyl Arrow 2EC; Assure II; Basagran; Basagran 5L; Cadet; Classic; Cobra; Dawn; Extreme: FirstRate: Flexstar: Fusilade DX: Fusion: Harmony SG: Phoenix: Poast: Poast Plus; Pursuit; Raptor; Reflex; Resource; Rhythm; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Synchrony XP; Targa; Ultra Blazer;

Warrant: Warrant Ultra PRECAUTIONS: In some cases, these tank-mix products will cause visual soybean injury.

RESTRICTIONS: The combined total application of this product from crop emergence through harvest must not exceed 64 fluid ounces per acre. The maximum rate for any single in-crop application is 44 fluid ounces per acre. The maximum combined total amount of this product that may be applied during flowering (R2 stage soybean) is 44 fluid ounces per acre. Preharvest

USE INSTRUCTIONS: Apply up to 22 fluid ounces of this product per acre to Roundup Ready soybean for weed control prior to harvest after pods have set and lost all green color. Take care to avoid excessive seed shatter loss due to ground application equipment. RESTRICTIONS: Allow a minimum of 14 days between application and harvest

of soybean grain or feeding of soybean grain, forage or hay. Post-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of Roundup Ready soybean. Higher rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for weed control application after harvest of soybean. Read and follow label directions for all products in the tank mixture. RESTRICTIONS: Application must be made a minimum of 30 days prior to the

planting of any crop not listed on this label.

#### 12.10 Roundup Ready 2 Yield Soybean

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop): Preharvest: Post-Harvest

USE INSTRUCTIONS: Refer to the following table for maximum application

оуреан.				
Maximum Application Rates				
5.3 quarts per acre				
3.3 quarts per acre				
64 fluid ounces per acre				
22 fluid ounces per acre				

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting Roundup Ready 2 Yield soybean.

TANK MIXTURES: This product may be tank-mixed with 2,4-D, Banvel or Clarity and applied prior to planting only. This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of soybean. Read and follow label directions for all products in the tank mixture.

Aim EC; Aim EW; Assure II; Authority Assist, Authority Elite, Authority First DF; Authority MAXX, Authority MTZ DF; Authority XL; Axiom DF; Blanket 4F; Boundary 6.5 EC; Cadet; Canopy; Canopy Blend; Canopy CX; Classic; Cobra; Command 3ME; Dawn; Dual MAGNUM; Dual II MAGNUM; Fierce; Fierce XLI; FirstRate; Flexstar; Fusion; Linex 4L; Lorx DF; Me-Too-Lachlor; Ophill Powered by Kixor; Outlook; Phoenix; Prowl 3.3 EC; Prowl H2O; Pursuit; Python WDG; Reflex; Resource; Rhythm; Rowel; Rowel FX, Select; Select 2 EC; Select Max Herbicide with Inside Technology; Sharpen Powered by Kixor; Spartan 4F; Treflan 4L; Treflan 4 EC; TriCor 4F; TriCor DF; Valor SX; Valor XIX; Warrant; Warrant Ultra; Zdua

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts ber acre per season.

#### Postemergence (In-crop)

SLES INSTRUCTIONS: This product may be used to control annual grasses and broadleaf weeds in Roundup Ready 2 Yield soybean from emergence (cracking) through flowering (R2 stage soybean). R2 stage soybean ends when a pod 5 millimeters (3/16 inch) long appears at one of the four uppermost nodes on the main stem with a fully developed laef (R3 stage). Refer to the "ANNUAL WEEDS RATE SECTION" of this label for application rates for specific annual weeds. An initial application of 22 fluid ounces of this product per acre will control or suppress most 2 - to 8-inch tall weeds, which are normally found approximately 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 applied up to 44 fluid ounces per acre as a single, in-crop application for control of annual weeds and where dense weed booulations exist.

Application of 22 to 44 fluid ounce of this product per acre (single or multiple applications) 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 mulhly. For enhanced results, allow perennial weed species to achieve at least 6 inches of growth before applying this product.

Under adverse growing conditions, including drought, hail or wind damage, or a poor soybean stand that slows or delays canopy closure, a sequential application of this product might be necessary to control late flushes of weeds. IN THE SOUTHERN STATES, A SEQUENTIAL APPLICATION OF THIS PRODUCT WILL BE NEEDED TO CONTROL NEW FLUSHES OF WEEDS IN THE ROUNDUP READY 2 YIELD SOYBEAN CROP. To control giant ragweed, apply 22 fluid ounces of this product per acre when the weed is 8 to 12 inches tall to increase control and possibly avoid the need for a sequential application.

TANK MIXTURES: This product may be tank-mixed with the following products and applied postemergence (in-crop) over the top of Roundup Ready 2 Yield soybean. Ensure that the product used is labeled for application postemergence (in-crop) to soybean. Read and follow label directions for all products in the tank mixture.

acetochlor; acifluorfen; bentazon; chlorimuron ethyl; clethodim; cloransulam-methyl; elnoxaprop-p-ethyl; fluazifop-p-butyl; flumiclorac pentyl ester; fluthiacet-methyl; fomesafen; imazamox; imazethapyr; lactofen; pendimethalin; quizalofop P-ethyl; sethoxydim; thifensulfuron-methyl

Arrow 2EC; Assure II; Basagran; Basagran 5L; Cadet; Classic; Cobra; Dawn; Extreme; FirstRate; Flexstar; Fusilade DX; Fusion; Harmony SG; Phoenix; Poast Plus; Pursuit; Raptor; Reflex; Resource; Rhythm; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Synchrony XP; Targa; Ultra Blazer; Warrant; Warrant Ultra

PRECAUTIONS: In some cases, these tank-mix products will cause visual soybean injury.

RESTRICTIONS: The combined total application of this product from crop emergence through harvest must not exceed 64 fluid ounces per acre. The maximum rate for any single in-crop application is 44 fluid ounces per acre. The maximum combined total amount of this product that may be applied during flowering (RZ stage soybean) is 44 fluid ounces per acre.

#### Preharvest

USE INSTRUCTIONS: Up to 22 fluid ounces of this product per acre may be applied to Roundup Ready 2 Yield soybean for weed control prior to harvest after pods have set and lost all green color. Take care to avoid excessive seed shatter loss due to ground application equipment.

RESTRICTIONS: Allow a minimum of 14 days between application and harvest of soybean grain or feeding of soybean grain, forage or hay.

#### nst-Harvest

USE INSTRUCTIONS: This product may be applied for weed control after harvest of Roundup Ready 2 Yield soybean. Higher rates might be needed for control of large weeds that were growing in the field at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Ensure that the product used is labeled for weed control application after harvest of soybean. Read and follow labed directions for all products in the tank mixture.

RESTRICTIONS: Application of this product must be made a minimum of 30 days prior to the planting of any crop not listed on this label.

#### 12.11 Roundup Ready Sugarbeet

TYPES OF APPLICATION: Preplant; At-Planting; Preemergence; Postemergence (In-crop)
USE INSTRUCTIONS: Refer to the following table for maximum application
rates of this product with Roundup Ready sugarbeet.

p				
Maximum Application Rates				
Combined total per year for all applications	5.3 quarts per acre			
Total for all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre			
Maximum single application rate from emergence to 8-leaf stage	32 fluid ounces per acre			
Total for all applications made from emergence to 8-leaf stage	56 fluid ounces per acre			
Maximum single application rate between 8-leaf stage and canopy closure	22 fluid ounces per acre			
Total for all applications made between 8-leaf stage and canopy closure	44 fluid ounces per acre			

See the "ROUNDUP READY CROPS" section of this label for information regarding the use of this product in Roundup Ready crops. See the "PRODUCT INFORMATION" section of this label for more information on Maximum Application Rates.

#### Preplant, At-Planting, Preemergence

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

TANK MIXTURES: This product may be tank-mixed with the following products and applied prior to crop emergence. Ensure that the product used is labeled for application prior to emergence of sugarbeet. Read and follow label directions for all products in the tank mixture.

ethofumesate

Norton SC

RESTRICTIONS: Maximum quantity of this product that may be applied for all preplant, at-planting and preemergence applications combined is 3.3 quarts per acre per season.

#### Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied over the top of Roundup Ready sugarbeet for control of annual grasses and broadleaf weeds from emergence to 30 days prior to harvest. To maximize yield potential, eliminate competing weeds early. Up to 4 applications of this product may be made with a minimum of 10 days between each application. This product will control or suppress most perennial weeds. For some perennial weeds, more than one application might be needed to eliminate crop competition throughout the growing season. Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds.

TANK MIXTURES: This product may be tank-mixed with the following products and applied postemergence (in-crop) over the top of Roundup Ready sugarbeet. Ensure that the product used is labeled for application postemergence (in-crop) to sugarbeet. Read and follow label directions for all products in the tank mixture.

clethodim; clopyralid; desmedipham; dimethenamid-P; ethofumesate; s-metolachlor; phenmedipham; quizalofop-p-ethyl; triflusulfuron methyl

Assure II; Betamix; Betanex; Dual MAGNUM; Dual II MAGNUM; Norton SC; Outlook; Progress; Select; Select 2 EC; Select Max Herbicide with Inside Technology; Stinger; Upbeet, Warrant Betamix, Betanex, Norton SC and Progress can cause significant sugarbeet injury. Refer to these product labels for crop injury precautions.

RESTRICTIONS: The combined total application of this product from crop emergence through harvest must not exceed 100 fluid ounces per acre. The maximum rate for any single application from crop emergence until the 8-leaf stage is 32 fluid ounces per acre. The maximum rate for any single application between the 8-leaf stage and canopy closure is 22 fluid ounces per acre. Allow, a minimum of 30 days between application and sugarbeet harvest.

# 13.0 FARMSTEAD USE

TYPES OF USES: Farmstead Weed Control; Trim-and-Edge; Greenhouse/Shadehouse; Chemical Mowing; Cut Stump Application; Habitat Management

USE INSTRUCTIONS: Refer to the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for application rates for specific weeds. When applied as directed, this product will control those annual and perennial grasses and broadlest weeds. Application rates of this product specified in the following sections, or on separate supplemental labeling or Fact Sheets published for this product, for hard-to-control weeds supersede rates in the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label.

### 13.1 Farmstead Weed Control, Trim-and-Edge

USE INSTRUCTIONS: This product may be used to control annual and perennial weeds, woody brush, trees and vines found on any part of the farmstead, including around building foundations and equipment storage areas, along and in fences, in dry ditches and canals, along ditch banks, driveways, farm roads, farmyards, fencerows, parking areas, angeland, rights-of-way, shelterbelts, storage areas and prior to planting landscape ornamentals.

TANK MIXTURES: This product may be tank-mixed with the following products, provided that the product used is labeled for these sites and uses. Refer to each individual product label for approved sites and application rates. Read and follow label directions for all products in the tank mixture.

2,4-D; bromacil; chlorosulfuron; dicamba; diuron; imazapic; imazapyr; metsulfuron-methyl; oryzalin; oxadiazon; pendimethalin; prodiamine; simazine; sulfometuron-methyl

Arsenal; Banvel; Banvel 480; Barricade 4L; Barricade 65WG; Clarity; Diuron 4L; Endurance; Escort XP; Karmex DF; Krovar I DF; Oust XP; Pendulum 3.3 EC; Pendulum 2G; Pendulum Aqua Cap; Plateau; Princep 4L; Princep Caliber 90; Princep Liquid; Ronstar 50 WSP; Ronstar Flo; Ronstar G; Sahara DG; Simazine 4L; Simazine 4L Flowable; Simazine 90DF; Simazine 90 WDG; Surflan AS Agricultural; Surflan AS Specialty; Surflan Flex; Surflan Flex T&O; Surflan XL 2G; Telar XP; Vanquish

For annual weeds, apply 22 fluid ounces of this product per acre when weeds are less than 6 inches tall, 32 fluid ounces when weeds are 6 to 12 inches tall, and 44 fluid ounces when weeds are greater than 12 inches tall. For perennial weeds, apply 44 fluid ounces to 3.3 quarts per acre in a tank-mix with one of the products listed here. For application of tank mixtures using a backpack sprayer, handgun or other handheld applicator, see the "ANNUAL WEEDS RATE SECTION" and "PERENNIAL WEEDS RATE SECTION" of this label for the required concentration of this product in the mix.

# 13.2 Greenhouse/Shadehouse

USE INSTRUCTIONS: This product may be used to control weeds in and around greenhouses and shadehouses.

PRECAUTIONS: Remove desirable vegetation before applying this product inside a greenhouse or shadehouse.

RESTRICTIONS: Turn air circulation fans off before applying this product inside a greenhouse or shadehouse and until the application solution has dried. Do not use inside residential greenhouses.

# 13.3 Chemical Mowing

USE INSTRUCTIONS: This product may be used to suppress growth of perennial grasses listed in this section along farm ditches and on any other, part of the farmstead to serve as a substitute or mowing, Apply 4 fluid ounces of this product per acre to suppress Kentucky bluegrass, tall fescue, fine fescue, orchardgrass, bahiagrass or quackgrass covers, 11 fluid ounces to suppress bermudagrass, or 44 fluid ounces to suppress topredograss or para grass. Make all applications in 10 to 20 gallons of spray solution per acre.

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

# 13.4 Cut Stump Application

TYPES OF USES: Treating brush and tree stumps on any terrestrial site

USE INSTRUCTIONS: This product may be used to control re-growth and re-sprouting of many species of woody brush and trees. Cut the woody brush for tree close to the soil surface and immediately apply a 50- to 100-percent (undiluted) solution of this product to the freshly cut surface using application equipment capable of covering the entire cambium. A delay in application could result in reduced performance. For enhanced results, cut the woody brush or tree during period of active growth and full leaf expansion and apply this product. Some of the species controlled by this method of application of this product are:

Alder	Pepper, Brazilian	Sweetgun
Eucalyptus	Pine, Austrian	Tan oak
Madrone	Reed, giant	Willow
0ak	Saltcedar	

PRECAUTIONS: Do not make a cut stump application when the roots of desirable woody brush or trees might be grafted to the roots of the cut stump. Some sprouts, stems, or trees can share a common root system. Adjacent trees having a similar age, height and spacing could be an indicator of a shared root system. Whether grafted or shared, injury is likely to occur to adjacent stems or trees when this product is applied to one or more trees sharing a common root system.

# 13.5 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 undestrable vegetation in habitat management areas. Application may be made to allow recovery of native plant species or prior to planting desirable native species, and for similar broad-spectrum vegetation control in habitat management areas. Spot treatment may be used to selectively remove unwanted olants for habitat maintenance and enhancement.

#### Wildlife Food Plots

USE INSTRUCTIONS: This product may be used to eliminate 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 a minimum of 7 days after application before tilling.

RESTRICTIONS: There are no rotational restrictions for planting any wildlife food species or for allowing native species to repopulate the area following application of this product.

### 14.0 ANNUAL WEEDS RATE SECTION

When water carrier volumes are between 16 and 40 gallons per acre for ground application, and between 6 and 15 gallons per acre for aerial application, the following use rates will control the annual weeds listed in the "ANNUAL WEEDS RATE TABLE" that follows.

- 22 fluid ounces per acre grass and broadleaf annual weeds less than 6 inches in height or circumference, and vines less than 3 inches in length.
- 32 fluid ounces per acre grass and broadleaf annual weeds 6 to 12 inches in height or circumference, and vines 3 to 6 inches in length.
- 44 fluid ounces per acre grass and broadleaf annual weeds greater than 12 inches in height or circumference, and vines greater than 6 inches in length.

WHEN WATER CARRIER VOLUMES ARE BETWEEN 3 AND 15 GALLONS PER ACRE FOR GROUND APPLICATION, AND BETWEEN 3 AND 5 GALLONS PER ACRE FOR AERIAL APPLICATION, USE THE RATES SPECIFIED FOR INDIVIDUAL WEEDS INDICATED IN THE "ANNUAL WEEDS RATE TABLE."

Apply to actively growing annual weeds. New leaf development indicates active growth.

Annual weeds are often easiest to control when they are small. Control of older, mature (hardened) or otherwise hard-to-control annual weed species could require higher application rates than specified in this table, even if

they meet the size requirements listed. This product may be applied at rates of up to 44 fluid ounces per acre for hard-to-control annual weeds and where dense weed populations exist. Follow all precautions and restrictions, including maximum application rates and crop stage timings specified in the directions for use on specific crops, including Roundup Ready crops, and use sites listed on this label.

Maximum size refers to the maximum plant height, length of runners for vines, or circumference of rosette plants in inches.

Do not tank-mix this product with soil residual herbicides when applying at these rates, unless otherwise directed.

For control of annual weeds using a handheld controlled droplet applicator (CDA), apply a 20-percent solution of this product (25 to 26 fluid ounces of this product per gallon of spray solution) at a flow rate of 2 fluid ounces per minute and a walking speed of 1.5 miles per hour (1 quart per acre). When using a vehicle-mounted CDA, apply the required amount of this product, as indicated in the following table in 2 to 15 gallons of water per acre.

For weeds that have been mowed, grazed or cut, allow re-growth to occur prior to application of this product.

#### ANNUAL WEEDS RATE TABLE

	Bro	Broadcast Application Rate (fluid ounces per acre)			
	11	16	22	27	32
Weed Species	Maxii	num He	ight/Ler	<b>igth</b> (in	ches)
Ammannia, purple	3	6	12	-	18
Anoda, 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 <sup>1,2</sup>	6	12	-	-	
Brome, Japanese	6	12	24	-	-
Browntop panicum	6	8	12		24
Buckwheat, wild <sup>3</sup>	-	1	2		-
Burcucumber		6	12	-	18
Buttercup	12	20	-		-
Carolina geranium	-	-	4	-	9
	-	6	12	-	J
Carpetweed Cheat <sup>2</sup>	6	20			-
	20	20	-	_	
Chervil Chickweed	- 20	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
Devilsclaw (unicorn plant)	-	3	6	-	-
Dwarf dandelion	12	-	-	-	-
Eastern mannagrass	8	12	-	-	-
Eclipta	4	4	8	12	12
Fall panicum False dandelion	4	20	-	-	12
Falseflax, smallseed	12	-	-		-
Fiddleneck	- 12	6	12	-	-
Field pennycress	6	12	-	-	-
Filaree	-	-	6	-	12
Fleabane, annual	6	20	-	-	-
	20				

Need Species		Broadcast Application Rate (fluid ounces per acre)				ite
Need Species		11				32
Fleabane, hainy* (Conyza bonariensis) - 6 6 - 10 Fleabane, rough Fleabane, rou	Weed Species					
Floridal gusley	Fleabane, hairy* (Conyza bonariensis)	-	-	6	-	
Foxtail, giant, bristly, yellow		3	6		-	-
Foxtail, Carolina	Foxtail- giant bristly yellow	6	12		-	b -
Goatgrass, jointed	Foxtail, Carolina	10	-	-	-	-
Gooségrass*				-	-	-
Grain sorghum (milo) Groundchery Groundchery Groundchery Groundchery Groundchery Groundsel; common, cressleaf Henbit Henbit Henbit Henbit Henbit Horseweed/ Marestail* (Conya canadensis) Hethograe Groundsel; Common,	Goatgrass, jointed	6		-	-	- 12
Groundcherry - 3 6 - 9 9 Groundcherry - 6 6 10 1	Grain sorghum (milo)	6			-	-
Hemps sesbania	Groundcherry	-			-	9
Henbit		-			-	-
Horseweed/Marestail*   Clonya canadensis    Clony		-	-		-	
Lonyaz Carlateriss			6			
Jimsonweed         -         -         12         -         18         -         24         Junglerice*         -         3         6         7         9         Mothweed         -         -         6         7         9         Knothweed         -         -         6         -         12         Nochia**         -         3         6         7         9         P         Mothes         -         12         -         -         2         0         -         12         Luchuchuchuchuchuchuchuchuchuchuchuchuchu		-			-	
Johnsongrass, seedling*		ь	8			
Junglerice*		6	12		-	
Kochia**  Lambsquarters  Lambsquarters  Lambsquarters  London rocket  Agweed  Mayweed  Agweed  Moustard; blue, tansy, tumble, wild  Mustard; blue, tansy, tumble, wild  Agweed, Palmer*  - 4 6 6 12 18 24 -  Prickly lettuce  - 6 12 18 24 -  Prickly lettuce  - 12 18 24 -  Prickly lettuce  - 6 12 12 -  - 8 12 18 24 -  Prickly lettuce  - 6 12 2 -  - 8 12 -  Ragweed, common, ** giant*  - 6 12 -  - 7 6 -  Sandour, field  - 12 20 -  - 8 12 20 -  - 8 12 20 -  - 8 12 20 -  - 8 12 20 -  - 8 12 20 -  - 8 12 20 -  - 8 12 20 -  - 9 12 20 -  - 8 12 20 -  - 9 20 20 -  - 9 20 20 20 -  - 9 20 20 -  - 9 20 20 20 -  - 9 20 20 20 -  - 9 20 20 20 -  - 9 20 20 20 -  - 9 20 20 20 -  - 9 20 20 20 -  - 9 20 20 20 2	Junglerice*			6	7	9
Lambsquarters			24-0			12
Little barley         6         12         -		-				- 20
London rocket         6         -         24         -         -         Amaly Mayweed         -         2         6         12         18           Morning glory, annual (Ipomoea spp.)         -         -         3         -         6           Mustard, blue, tansy, tumble, wild         6         12         18         -         -           Nightshade, black, hairy         -         4         6         -         12         18         24         -           Pigweed, Palmer*         -         12         18         24         -         Pigweed, palmer*         -         12         18         24         -         Pigweed species*         -         12         18         24         -         Pirckly lettuce         -         6         12         -         -         0         12         -         18         Red red         -         -         3         -         6         Ragweed, common,* giant*         -         6         12         -         -         -         18         8         -         -         18         Red rice         -         -         4         -         -         -         6         12         -         -         - </td <td></td> <td>6</td> <td></td> <td>-</td> <td></td> <td></td>		6		-		
Morning glory, annual (Ipomoea spp.)         -         -         3         -         6           Mustard; blue, tansy, tumble, wild         6         12         18         -         -           Nightshade; black, hairy         -         4         6         -         12           Oats         3         6         18         -         -           Pigwedd, Palmer*         -         12         18         24         -           Pigweed species*         -         12         18         24         -           Pigweed species*         -         6         12         -         -           Prickly lettuce         -         6         12         -         -           Purslane         -         3         6         12         -         -           Red rice         -         4         -         -         18         Red         -         -         18         -         -         12         -         -         -         18         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	London rocket	6	-		-	-
Mustard; blue, tansy, tumble, wild         6         12         18         -         -           Oats         3         6         18         -         -           Oats         3         6         18         -         -           Pigweed, Palmer*         -         12         18         24         -           Pigweed species*         -         12         18         24         -           Prickly lettuce         -         6         12         -         -           Purslane         -         -         3         -         6           Ragweed, common,* giant*         -         6         12         -         18           Red rice         -         -         4         -         -           Rye, volunteer/cereal*         6         18         18++         -         -           Ryegrass species*         -         -         6         12         -         -           Sandbur, field         6         12         -         -         -         -           Shattercane         6         12         2         -         -         -         -         -         - <td< td=""><td>•</td><td></td><td>_</td><td></td><td></td><td></td></td<>	•		_			
Nightshade, black, hairy         -         4         6         -         12           Oats         3         6         18         -         -           Pigweed, Palmer*         -         12         18         24         -           Pigweed species*         -         12         18         24         -           Prickly lettuce         -         6         12         -         -           Purslane         -         -         3         -         6           Ragweed; common,* giant*         -         6         12         -         -         18           Red rice         -         -         4         -         -         18         4         -         -           Ryegrass species*         -         -         6         12         -         -         -         2         2         -         -         2         2         -         -         -         2         2         -         -         -         2         2         -         -         -         2         -         -         -         -         -         -         -         -         -         -         -				-		6
Oats         3         6         18         -         -           Pigweed, Palmer*         -         12         18         24         -           Pigweed, Species*         -         12         18         24         -           Prickly lettuce         -         6         12         -         -           Purslane         -         -         3         -         6           Ragweed; common,* giant*         -         6         12         -         -           Red rice         -         -         4         -         -           Rye, voluntee/cereal*         6         18         18 + -         -         Red rice           Ryegrass species*         -         -         6         12         -         -         -         12         Sandbur, longspine         6         12         -         -         -         -         12         Sandbur, longspine         6         12         - <t< td=""><td></td><td>ь</td><td></td><td></td><td></td><td>- 12</td></t<>		ь				- 12
Pigweed, Palmer*         -         12         18         24         -           Pigweed species*         -         12         18         24         -           Prickly lettuce         -         6         12         -         -           Purslane         -         -         3         -         6           Ragweed, common,* giant*         -         6         12         -         18           Red rice         -         -         4         -         -           Rye, volunteer/cereal*         6         18         18++         -         -           Ryegrass species*         -         -         6         12         -         -           Sandbur, field         6         12         -		3			-	-
Prickly lettuce         -         6         12         -         -           Purslane         -         -         3         -         6           Ragweed; common,* giant*         -         6         12         -         18           Red rice         -         -         4         -         -           Rye, voluntee/cereal*         6         18         18 +          -         -           Ryegrass species*         -         -         6         12         -         -         -           Sandbur, field         6         12         -		-			24	-
Purslane         -         -         3         -         6           Ragweed, common, * giant*         -         6         12         -         18           Red rice         -         -         4         -         -           Rye, volunteer/cereal*         6         18         18+         -         -           Ryegrass species*         -         -         6         12         -         -           Sandbur, field         6         12         -         -         -         -           Sandbur, longspine         6         12         2         -		-	12	18	24	-
Ragweed; common,* giant*         -         6         12         -         18           Red rice         -         4         -         -           Rye, columteer/cereal*         6         18         18 +         -         -           Rye, columteer/cereal*         6         18         18 +         -         -           Rye, grass species*         -         -         6         12         -         -           Sandbur, longspine         6         12         -         -         -           Shattercane         6         12         20         -         -           Shepherd's-purse         6         12         20         -         -           Sicklepod         -         2         4         -         8           Signalgrass, broadleaf         -         3         6         7         9           Smartweed, ladysthumb         -         -         6         -         9           Smartweed, ladysthumb         -         -         6         -         9           Smartweed, ladysthumb         -         -         6         -         9           Smartweed, ladysthumb         - <td< td=""><td></td><td></td><td>6</td><td></td><td></td><td></td></td<>			6			
Red rice         -         -         4         -         -           Rye, volunteer/cereal <sup>a</sup> 6         18         18 + -         -         -         -         12         -         -         12           Sandbur, field         6         12         -		-	-		-	
Rye, volunteer/cereal*         6         18         18 +         Regress species*         6         12           Sandbur, field         6         12             Sandbur, longspine         6         12             Shattercane         6         12         20             Shepherd's -purse         6         12         20             Sicklepod         - 2         4         - 8         8           Signalgrass, broadleaf         - 3         6         7         9           Smartweed, ladysthumb         - 6         - 9         9           Smartweed, Pennsylvania         - 6         - 9         9           Sowthistle, annual         - 6         - 12         2           Spanish needles         - 6         - 12         2         - 9           Sowthistle, annual         - 7         6         - 12         2           Speakell, Jurslane         12         - 2         2         - 2           Spanish needles         - 6         12         20         2           Spurge; prostrate, spotted         6         12 <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>- 10</td>		-	-		-	- 10
Ryegrass species*         -         6         12           Sandbur, field         6         12         -         -           Sandbur, field         6         12         -         -           Shattercane         6         12         20         -         -           Shattercane         6         12         20         -         -           Shepherd's-purse         6         12         20         -         -           Sicklepod         -         2         4         -         8           Signalgrass, broadleaf         -         3         6         7         9           Smartweed, ladysthumb         -         -         6         -         12           Spanish needles         -         -         6         -         12           Spanish needles         -         -         6         -         12           Spurge, pro		6	18		-	-
Sandbur, longspine         6         12         -		-	-	6	-	12
Shattercane         6         12         20         -           Shepherd's-purse         6         12         -         -           Sicklepod         -         2         4         -         8           Signalgrass, broadleaf         -         3         6         7         9           Smartweed, ladysthumb         -         -         6         -         9           Smartweed, Pennsylvania         -         -         6         -         9           Sowthistle, annual         -         -         6         -         12           Spanish nedleus         -         -         6         -         12           Spedwell, purslane         12         -         -         -         -         12         -         -         -         12         -         -         -         -         -         -         12         -         -         -         -         -         -         -         -         12         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	Sandbur, field			-	-	-
Shepherd's-purse         6         12         -         -         -         SCALepod         -         -         -         -         -         -         -         -         -         8         Signalgrass, broadleaf         -         3         6         7         9           Smartweed, ladysthumb         -         -         6         -         9           Smartweed, Pennsylvania         -         -         6         -         9           Sowthistle, annual         -         -         6         -         12           Sowthistle, annual         12         -         -         -         12           Spedwell, purslane         12         -         -         -         -         12           Spedwell, purslane         12         -         -         -         -         -         -         12           Spurg, umbrella         6         - <td></td> <td></td> <td></td> <td>20</td> <td></td> <td></td>				20		
Sicklepod         -         2         4         -         8           Signalgrass, broadleaf         -         3         6         7         9           Smartweed, Iadysthumb         -         -         6         -         9           Smartweed, Pennsylvania         -         -         6         -         9           Sowthistle, annual         -         -         6         -         12           Spanish needles         -         -         6         -         12           Spedwell, Jurislane         12         -				-		-
Smartweed, ladysthumb         -         -         6         -         9           Smartweed, Pennsylvania         -         -         6         -         9           Sowthistle, annual         -         -         6         -         12           Spatish needles         -         -         6         -         12           Spedwell, purslane         12         -         -         -         -         2           Spurge, prostrate, spotted         -         6         12         2         -         -           Spurge, prostrate, spotted         -         6         12         2         -         -           Spurge, prostrate, spotted         -         6         12         2         -         -           Spurge, prostrate, spotted         -         6         12         2         -         -           Spurge, prostrate, spotted         -         6         12         2         -		-	2	4	-	8
Smartweed, Pennsylvania         -         -         6         -         9           Sowthistle, annual         -         -         6         -         12           Spanish needles         -         -         6         -         12           Speedwell, purslane         12         -         -         -         -           Sprangletop         6         12         2         -         -           Spurge; prostrate, spotted         6         12         2         -         -           Spury, umbrella         6         -         -         -         -         -           Stinkgrass         -         12         18         -		-	3	6	7	
Sowthistle, annual         -         -         6         -         12           Spanish needles         -         -         6         -         12           Speedwell, purslane         12         -		-			-	
Spanish needles         -         -         6         -         12           Speedwell, purslane         12         -         -         -         -         -         Sprangletop         6         12         20         -         -         -         Spurguryumbre         -		-	-		-	
Speedwell, purslane         12         -	Sowthistle, annual Spanish peedles	-	-		-	
Sprangletop         6         12         20         -           Spurge; prostrate, spotted         -         6         12         -         -           Spurge; prostrate, spotted         6         -         -         -         -         -           Stinkgrass         -         12         18         -         -         -           Sunflower         12         18         -         -         -           Swinecress         -         5         12         -         -           Teavedd/ Prickly sida         -         2         4         -         6         12         -         -           Texas panicum         6         8         12         2         4         -         6         12         -         -         -         6         12         -         -         -         6         12         -         -         -         6         12         -         -         -         -         12         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -		12	-	-	-	-
Spurry, umbrella         6         -         -         -         -         Stinkgrass         -         12         18         -         -         -         Sufflower         12         18         -         -         -         -         Sumercress         -<	Sprangletop	6			-	-
Stinkgrass         -         12         -         -         -         Sunflower         12         18         -         -         -         Sunflower         -         -         Sunflower         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         6         12         -         -         -         -         6         12         -         -         -         -         6         12         -	Spurge; prostrate, spotted	-	6	12	-	-
Sunflower         12         18         -         -         -         S         S         - <th< td=""><td></td><td>0</td><td>12</td><td>-</td><td>-</td><td>-</td></th<>		0	12	-	-	-
Teaweed/ Prickly sida         -         2         4         -         6           Texas panicum         6         8         12         -         24           Thistle, Russian**         -         6         12         -         -         12         -         -         12         12         -         -         12         12         -         -         6         12         12         -         -         -         12         -         -         -         -         12         - <td>Sunflower</td> <td>12</td> <td>18</td> <td>-</td> <td>-</td> <td>-</td>	Sunflower	12	18	-	-	-
Texas panicum         6         8         12         - 24           Thistle, Russian**5         -         6         12            Velvetledf         -         -         6         - 12           Virginia pepperweed         -         18         -         -           Waterhemp*         -         -         6         12         18           Wheat?         6         12         18         -         Whid overwintered)         -         6         12         -         18           Wild proso millet         -         6         12         -         18         -         Wild proso millet         -         6         12         -         18           Witchgrass         -         12         -         -         -         8         -	Swinecress	-			-	-
Thistle, Russian*5 - 6 12 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2		-			-	
Velvetleaf         -         -         6         -         12           Virginia pepperweed         -         18         -         -           Waterhemp*         -         -         6         -         12           Wheat?         6         12         18         -         -           Wheat (overwintered)         -         6         12         -         18           Wild post omillet         -         6         12         -         18           Witchgrass         -         12         -         -         -           Woolly cupgrass         -         6         12         -         -		-				-
Waterhemp*         -         -         6         -         12           Wheat*         6         12         18         -         -           Wheat (overwintered)         -         6         12         -         18           Wild qoss millet         -         6         12         -         18           Witchgrass         -         12         -         -         -           Woolly cupgrass         -         6         12         -         -		-	-		-	12
Wheat?         6         12         18         -         -           Wheat (overwintered)         -         6         12         -         18           Wild oats         3         6         18         -         -           Wild proso millet         -         6         12         -         18           Witchgrass         -         12         -         -         -           Woolly cupgrass         -         6         12         -         -		-	18		-	-
Wheat (overwintered)         -         6         12         -         18           Wild oats         3         6         18         -         -         18           Wild proso millet         -         6         12         -         18           Witchgrass         -         12         -         -         -           Woolly cupgrass         -         6         12         -         -		-	12		-	12
Wild oats         3         6         18         -           Wild proso millet         -         6         12         -         18           Witchgrass         -         12         -         -         -           Woolly cupgrass         -         6         12         -         -		0				18
Witchgrass         -         12         -         -           Woolly cupgrass         -         6         12         -         -		3	6	18	-	-
Woolly cupgrass - 6 12	Wild proso millet	-			-	18
,,		-			-	-
yellow rocket - 12 20		-			-	-
	YEIIOW FOCKET	-	12	20	-	

Broadcast Application Pate

For control of downy brome in no-till systems, apply 16 fluid ounces of this product per acre.

Performance of this product can be enhanced if application is made before this weed reaches the boot stage of growth.

Apply 16 fluid ounces of this product per acre to control wild buckwheat in the cotyledon to 2-leaf stage. Apply 22 fluid ounces per acre to control 2- to 4-leaf wild buckwheat. For enhanced control of wild buckwheat over 2 inches in size, make sequential applications of 22 fluid ounces followed by 22 fluid ounces of this product per acre.

Do not apply when kochia is in the button stage.

Control of Russian thistle can vary based on environmental conditions and spray coverage. If possible, apply this product in a tank mixture with 2,4-D, as described in the following section, to improve control.

\*A glyphosate-resistant biotype has been confirmed. For additional information, refer to the "WEED RESISTANCE MANAGEMENT" section of this label. You can also visit via the Internet, www.weedresistancemanagement.com, or contact your Bayer CropScience LP Prepresentative.

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

Enhanced control of certain hard-to-control weeds can be achieved by tank-mixing this product with dicamba, 2,4-D, or Tordon 22K. An appropriate rate of these other herbicides combined with the rate of this product specified in the "ANNUAL WEEDS RATE TABLE" will control the following weeds up to the maximum height or length indicated: 6 inches—prickly lettuce, marestail/horseweed, morning glory, kochia (in a tank-mix with dicamba only), wild buckwheat (in a tank-mix with Tordon 22K only); 12 inches—cocklebur, lambsouarters, pieweed. Russiant histle (in a tank-mix with 42-h only).

At application rates listed in the "ANNUAL WEEDS RATE SECTION," this product will control the following weeds up to a maximum height or length of 6 inches: common ragweed, giant ragweed, Pennsylvania smartweed, and velvetleaf. For enhanced control of these weeds, apply this product in a tank-mix with 2.4-D.

Ensure that the product used is labeled for application at the desired site. Follow all precautions and limitations on the tank-mix product label, including any application timing restrictions, soil restrictions, minimum re-cropping intervals and/or crop rotation restrictions. Use according to the more restrictive label requirements. Some crop injury could occur if dicamba for Tordon 22K is applied within 45 days of planting.

# 14.2 Annual Weeds—Handheld Sprayers

For control of weeds listed in the "ANNIAL WEEDS RATE TABLE," apply a 0.4-percent solution of this product to weeds less than 6 inches in height or runner length prior to seedhead formation in grasses or bud formation in broadleaf weeds. For control of annual weeds over 6 inches tall, or unless otherwise directed, use a 0.7-percent solution.

For enhanced results on hard-to-control perennials, such as bermudagrass, dock, field bindweed, hemp dogbane, milkweed and Canada thistle, apply a 1.5-percent solution of this product.

When using application methods that result in less than complete coverage, apply a 4-percent solution of this product for control of annual and perennial weeds, and a 4- to 7-percent solution for control of woody brush, trees and vines.

### 14.3 Annual Weeds—Tank Mixtures 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.

Application of 16 to 20 fluid ounces of this product per acre in a tank mixture with atrazine will provide enhanced control of the following weeds: barnyardgrass (requires 20 fluid ounces of this product per acre for control), downy brome, green foxtail, lambsquarters, prickly lettuce, tansy mustard, pigweed, field sandbur, stinkgrass, Russian thistle, volunteer wheat and witchgrass. For control of kochia, apply 16 to 20 fluid ounces of this product in a tank-mix with atrazine and dicamba. Ensure that the atrazine and dicamba products are labeled for the intended use and application site. Follow all precautions and limitations on the tank-mix product label, including

any application timing restrictions, soil restrictions, minimum re-cropping intervals and/or crop rotation restrictions.

#### 15.0 PERENNIAL WEEDS RATE SECTION

Apply this product to actively growing perennial weeds. New leaf development indicates active growth. Enhanced results can be obtained when soil moisture is adequate for active weed growth.

If weeds have been recently mowed or tilled, do not apply this product until plants have resumed active growth and have reached the specified stage of growth or sufficient growth has been achieved to allow for good interception of the spray solution. For enhanced control, do not mow, cut, till, burn or disturb vegetation in the application area for a minimum of 7 days after application.

For control of perennial weeds using a handheld controlled droplet applicator (CDA), apply a 20- to 30-percent solution of this product (25 to 38 fluid ounces per gallon of applicator solution) at a flow rate of 2 fluid ounces per minute and a walking speed of 0.75 mile per hour (2 to 3 quarts per acre). When using a vehicle-mounted CDA, apply the appropriate amount of this product, as indicated in the following rate table, in 2 to 15 gallons of water per acre.

This product has no soil activity and does not control emergence of perennial weeds from seed and dormant underground roots, rhizomes or tubers present in the soil at the time of application. More than one application of this product might be necessary to control weeds regenerating from underground parts or seed, but must be made prior to crop emergence, except where in-crop application is allowed.

Application of this product in the fall must be made before a killing frost.

Unless otherwise directed, allow a minimum of 7 days after application before soil tillage.

#### PERENNIAL WEEDS RATE TABLE

Weed Species	Broadcast	Water	Handheld
	Rate	Volume	Sprayer
	(quarts/	(gallons/	Concentration
	acre)	acre)	(% solution)
Alfalfa	1 – 1.5	3 – 10	1.5%

Apply after the last hay cutting in the fall and alfalfa has re-grown to a height of 6 to 8 inches or more. Follow with deep tillage after a minimum of 7 days after application, but before soil freeze-up.

**Alligatorweed** 3 3-20 1% For partial control, apply this product when most target plants are in bloom. More

than one application will be needed to achieve control

 Anise (fennel)¹
 1 - 1.5%

 Bahiagrass²
 2 - 3.3
 3 - 20
 1.5%

 Bentgrass
 1
 10 - 20
 1.5%

For suppression in grass seed production areas using ground application equipment only. Ensure entire crown area has resumed growth prior to application in the fall. Ensure that bentgrass has at least 3 inches of growth before application. Avoid tillage prior to application. Tillage 7 to 10 days after application provides enhanced results.

**Bermudagrass** 2 – 3.3 3 – 20 1.5%

For control, apply 3.3 quarts of this product per acre when bermudagrass is actively growing and seedheads are present. More than one application might be necessary to achieve control. For partial control, apply 64 fluid ounces per acre.

**Bermudagrass, water** (knotgrass) 0.7 − 1 5 − 10 1.5%

Apply 32 fluid ounces of this product in 5 to 10 gallons of water per acre when water bermudagrass is 12 to 18 inches in length. Allow a minimum of 7 days after application before tilling, flushing or flooding the field.

For fall application, till fallow fields and apply 22 fluid ounces of this product in 5 to 10 gallons of water per acre prior to frost and when water bermudagrass is 12 to 18 inches in length.

This product is not registered in the State of California for control of water bermudagrass. **Bindweed. field** 0.4-3.3 3-20 1.5%

	Broadcast Rate	Water Volume	Handheld Spraver
	(quarts/	(gallons/	Concentration
Weed Species	acre)	acre)	(% solution)

Do not apply this product when field bindweed is under drought stress, as good soil moisture is necessary for active growth and efficacy of this product.

For control, apply 2.5 to 3.3 quarts of this product per acre west of the Mississippi River and 2 to 2.5 quarts per acre east of the Mississippi River when bindweed is at or beyond full bloom. For enhanced results, apply in late-summer or fall. Fall application must be made before a killing frost.

Also for control, apply 44 fluid ounces of this product plus an appropriate rate of dicamba in 10 to 20 gallons of water per acre. Do not apply this mixture using aerial application equipment.

For suppression of field bindweed on irrigated agricultural land, apply 22 to 44 fluid ounces of this product plus an appropriate rate of 2,4-0 in 10 to 20 gallons of water per a reusing ground application equipment only, Application may be made following harvest or on fallow ground in the fall when bindweed is actively growing and the majority of runners are 12 inches or more in length. Irrigate at least once to promote active bindweed growth.

For suppression, apply 11 fluid ounces of this product plus a rate of 2,4-0 that will provide suppression of field bindweed in 3 to 10 gallons of water per acre using ground application equipment, or in 3 to 5 gallons of water per acre using aerial application equipment. Application of this tank-mix using aerial equipment is only allowed for fallow fields and in reduced thiage systems. Delay application until maximum emergence has occurred and vines are 6 to 18 inches in length.

In California only, apply 22 fluid ounces to 3.3 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 22 fluid ounces of this product in 3 to 10 gallons of water per acre to bindweed that has reached a length of 12 inches or greater. Allow maximum weed emergence and runner growth before applying this product. Allow a minimum of 3 days after application before tillage.

Bluegrass, Kentucky 0.7 – 1.5 3 – 40 1.5% Apply 44 fluid ounces of this product in 10 to 40 gallons of water per acre when most plants have reached the both to early-seedhead stage of development. For partial control in pasture or hay crop renovation, apply 22 to 32 fluid ounces of this product in 3 to 10 gallons of water per acre to actively growing target plants when most have reached 4 to 12 inches in height.

 $\textbf{Blueweed, Texas} \hspace{1cm} 2-3.3 \hspace{1cm} 3-40 \hspace{1cm} 1.5\%$ 

Apply 2.5 to 3.3 quarts of this product per acre west of the Mississippi River or 2 to 2.5 quarts per acre east of the Mississippi River when plants are at or beyond full bloom. For enhanced results, apply in late-summer or fall. Fall application must be made before a killing frost.

Apply 44 fluid ounces of this product in 10 to 40 gallons of water per acre when most target plants have reached the boot to early-seedhead stage of development. For partial control in pasture or hay crop renovation, apply 22 to 32 fluid ounces of this product in 3 to 10 gallons of water per acre to actively growing bromegrass when it has reached a height of 4 to 12 inches.

**Bursage, woolly-leaf** - 3 – 20 1.5%

For control, apply 44 fluid ounces of this product plus 0.5 pound of dicamba per acre when plants are producing new active growth that has been initiated by moisture for at least 2 weeks and are at or beyond flowering. For partial control, apply 22 fluid ounces of this product per acre in a tank-mix with an appropriate rate of dicamba that will provide partial control.

Canarygrass, reed <sup>2</sup>	1.5 - 2	3 – 40	1.5%
Cattail <sup>2</sup>	2 - 3.3	3 - 40	1.5%
Clover; red, white <sup>1</sup>	2 - 3.3	3 - 20	1.5%

Also for control, apply 11 to 22 fluid ounces of this product in a tank-mix with an appropriate rate of 2,4-D in 3 to 10 gallons of water per acre.

**Cogongrass** 2 – 3.3 10 – 40

Apply in late-summer or fall when cogongrass is at least 18 inches tall. Due to uneven stages of growth and the dense nature of this vegetation preventing good spray coverage, more than one application might be necessary to achieve control.

**Dallisgrass**<sup>2</sup> 2-3.3 3-20 1.5%

Weed Species	Broadcast Rate (quarts/ acre)	Water Volume (gallons/ acre)	Handheld Sprayer Concentration (% solution)
Dandelion <sup>1</sup>	2 - 3.3	3 – 40	1.5%
Also for control, apply 11 flui appropriate rate of 2,4-D in 3 to			tank-mix with an
Dock, curly <sup>1</sup>	2 - 3.3	3 - 40	1.5%
Also for control, apply 11 to 22			a tank-mix with an

appropriate rate of 2,4-D in 3 to 10 gallons of water per acre

Dogbane, hemp 3 - 403

Apply when most target plants have reached the late-bud to flower stage of development. Allow weeds to re-grow to a mature stage prior to application of this product after crop harvest or mowing. For enhanced results, apply in late-summer or fall.

For suppression, apply 11 fluid ounces of this product in a tank-mix with an appropriate rate of 2.4-D in 3 to 10 gallons of water per acre using ground application equipment, and in 3 to 5 gallons of water per acre using aerial application equipment. Delay application until maximum emergence of hemp dogbane has occurred. Fescue (except tall)2 0.7 - 23 - 401.5%

Fescue, tall Apply 64 fluid ounces of this product per acre when most tall fescue has reached the boot to early-seedhead stage of development. For fall application, apply 22 fluid ounces of this product in 3 to 10 gallons of water per acre when plants have 6 to 12 inches of new growth. A sequential application of 11 fluid ounces of this product per acre will improve long-term control and will control seedlings germinating after fall application or in the following spring.

1.5 - 23 - 40Apply when most target plants have reached the 7-leaf stage of growth. Ensure

thorough coverage when using a handheld sprayer. In Texas and the ridge of Florida, apply 44 fluid ounces of this product per acre for control. In the flatwoods region of Florida, 64 fluid ounces per acre is needed for control. Horsenettle 2 - 333 - 201.5% Horseradish

3 - 40Apply when most plants have reached the late-bud to flower stage of growth. For enhanced results, apply in late-summer or fall.

Thorough coverage of the target weed with this product will provide enhanced control. Jerusalem artichoke1 2 - 33 1.5% Johnsongrass 0.4 - 23 - 401%

In annual cropping systems, apply 22 to 44 fluid ounces of this product in 3 to 10 gallons of water per acre. Use 44 fluid ounces of this product when applying in 10 to 40 gallons of water per acre. On non-crop sites or in areas where annual tillage is not practiced (no-till), apply 44 to 64 fluid ounces of this product in 10 to 40 gallons of water per acre. For enhanced results, apply when most johnsongrass has reached the boot to head stage of development or in the fall prior to frost. Allow a minimum of 7 days after application before tillage. Do not tank-mix with residual herbicides when applying 22 fluid ounces of this product per acre. For burndown of johnsongrass, apply 11 fluid ounces of this product in 3 to 10 gallons of water per acre before plants reach a height of 12 inches and allow a minimum of 3 days after application before tillage. For partial control or suppression, apply a 0.7-percent solution of this product as a spot treatment when johnsongrass is 12 to 18 inches tall. Ensure that spray coverage is uniform and complete.

15 - 23 - 40Apply when most kikuyu grass is at least 8 inches tall (3- or 4-leaf stage of growth)

Allow a minimum of 3 days after application before tillage

Apply when most target plants have reached the late-bud to flower stage of growth For enhanced results, apply in late-summer or fall.

Apply at or beyond the bloom stage of growth Lespedeza1 3 - 201.5%

Milkweed, common Apply when most plants have reached the late-bud to flower stage of growth.

Muhly, wirestem 0.7 - 1.53 - 40Apply 22 fluid ounces of this product in 3 to 10 gallons of water per acre, or 44 fluid ounces when applying in 10 to 40 gallons of water per acre or whenever applying in pasture, sod, or non-crop areas, when wirestem multly is at least 8 inches tall. Do not till the soil between harvest and fall application, or in the fall or spring prior to spring application. Allow a minimum of 3 days after application before tillage.

Rate Volume Sprayer (quarts/ (gallons/ Concentration **Weed Species** acre) acre) (% solution) Mullein, common<sup>1</sup> 2 - 3.33 - 201.5% 1.5% Napiergrass<sup>2</sup> 2 - 3.33 - 20Nightshade, silverleaf 1.5 3 - 101.5% For enhanced results, apply when at least 60 percent of the target plants have berries. Fall application must be made before a killing frost. Nutsedge; purple, yellow 0.4 - 21 - 1.5%

**Broadcast** 

Water

Handheld

For control of nutsedge plants and immature nutlets, apply 64 fluid ounces of this product per acre or a 1- to 1.5-percent solution when plants are in flower or when new nutlets can be found at rhizome tips. Nutlets that have not germinated will not be controlled and will need repeated applications of this product after germination for long-term control. Sequential applications of 22 to 44 fluid ounces of this product in 3 to 10 gallons of water per acre when a majority of the nutsedge plants are in the 3- to 5-leaf stage (less than 6 inches tall) will also provide control. 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. For partial control of existing nutsedge, apply 11 to 44 fluid ounces of this product in 3 to 40 gallons of water per

acre when plants have 3 to 5 leaves and most are less than 6 inches tall. Repeat this application as needed to control newly emerging plants or re-growth of existing plants. 0.7 - 1.5Apply 44 fluid ounces of this product in 10 to 40 gallons of water per acre when most plants have reached the boot to early-seedhead stage of development. For partial control in pasture or hay crop renovation, apply 22 to 32 fluid ounces of this product in 3 to 10 gallons of water per acre when orchardgrass is actively growing and has reached 4 to 12 inches in height. When going from orchardgrass sod to no-till corn, apply 22 to 32 fluid ounces of this product in 3 to 10 gallons of water per acre to orchardgrass that is a minimum of 12 inches tall for spring application and 6 inches

tall for fall application. Allow a minimum of 3 days after application before planting.

A sequential application of atrazine will be necessary to achieve optimum results. Pampas grass Apply this product when pampas grass is at or beyond the boot stage of growth.

Thorough coverage will provide enhanced control. Para grass<sup>2</sup> 2 - 333 - 201.5% **Phragmites** 2 - 3.310 - 401 - 1.5%For partial control and enhanced results, apply this product in late-summer or fall

when plants are actively growing and in full bloom. Application before or after this stage could result in reduced control. Due to the dense nature of this vegetation (which can prevent good spray coverage) and uneven stages of growth, more than one application might be necessary to achieve control. Visual symptoms of control will be slow to develop. Poison hemlock

Apply this product using a handheld sprayer with a spray-to-wet technique. Optimum results are obtained when thoroughly applied to target plants that are at

the bud to full-bloom stage of growth Pokeweed, common 1.5% Apply to actively growing target plants up to 24 inches tall. 0.7 - 21.5%

In annual cropping systems or in pastures and sod fields to be cultivated with deep tillage, apply 22 fluid ounces of this product in 3 to 10 gallons of water per acre or 44 fluid ounces in 10 to 40 gallons of water per acre when quackgrass is 6 to 8 inches in height. Do not tank-mix with residual herbicides when using the 22-fluid-ounce rate. Do not till between harvest and fall application, or in the fall or spring prior to spring application. Allow a minimum of 3 days after application before tillage. In pastures or sod fields, use a moldboard plow for enhanced results. In pastures, sod fields or non-crop areas where deep tillage will not follow application of this product, apply 44 to 64 fluid ounces in 10 to 40 gallons of water per acre when quackgrass is greater than 8 inches tall

For suppression, make two applications of 16 fluid ounces of this product 7 to

14 days apart, or a single application of 44 fluid ounces, in 5 to 10 gallons of water per acre 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. Apply a minimum of 1 week before a killing frost.

Enhanced results can be obtained when application is made in late-summer or fall.

**Broadcast** Water Handheld Rate Volume Sprayer (quarts/ (gallons/ Concentration **Weed Species** acre) acre) (% solution) Rvegrass, perennial 0.7 - 23 - 40In annual cropping systems, apply 22 to 44 fluid ounces of this product in 3 to 10 gallons of water per acre, or 44 fluid ounces when applying in 10 to 40 gallons of

(no-till), apply 44 to 64 fluid ounces of this product in 10 to 40 gallons of water per acre. For enhanced results, apply when most ryegrass has reached the boot to head stage of growth or in the fall prior to frost. Do not tank-mix with residual herbicides when applying 22 fluid ounces of this product per acre. Smartweed, swamp1 2 - 3.31.5% Also for control, apply 11 fluid ounces of this product in a tank-mix with an

water per acre. On non-crop sites or in fields where annual tillage is not practiced

appropriate rate of 2,4-D in 3 to 10 gallons of water per acre in late-summer or fall. Sowthistle, perennial 1.5 - 23 - 40

Apply when most plants are at or beyond the bud stage of growth. After harvest, mowing or tillage in late-summer or fall, allow a minimum of 4 weeks for initiation of active growth and rosette development prior to application of this product. Fall application must be made before a killing frost. Allow a minimum of 3 days after application before tillage. Spurge, leafy

For suppression, apply 11 fluid ounces of this product in a tank-mix with an appropriate rate of 2,4-D in 3 to 10 gallons of water per acre in late-summer or fall. If mowing has occurred, delay application until most target plants are 12 inches tall. Starthistle, yellow 1.5 10 - 40Enhanced results can be obtained when application is made during the rosette.

bolting or early-flower stage. Sweet potato, wild For partial control, apply to plants that are at or beyond the bloom stage of growth. More than one application might be needed.

Thistle, artichoke 1.5% For partial control, apply when plants are at or beyond the bloom stage of growth. More than one application might be needed.

Thistle, Canada 1.5 - 2Apply when most target plants are at or beyond the bud stage of development. After harvest, mowing or tillage in late-summer or fall, allow a minimum of

4 weeks for initiation of active growth and rosette development prior to application of this product. Fall application must be made before a killing frost. For suppression in the spring, apply 22 fluid ounces of this product alone or 11 fluid ounces of this product in a tank-mix with an appropriate rate of 2,4-D in 3 to 10 gallons of water per acre when rosette is a minimum of 6 inches in diameter. Application may be made as long as leaves are still green and plants are actively growing. Allow a minimum of 3 days after application before tillage. 1.5 - 23 - 40

2.5 - 3.3

For partial control, apply when most target plants are at or beyond the

3 - 40

seedhead stage of development. More than one application will be needed to achieve control. Fall application must be made before frost. 1.5 5 - 10For partial control, apply in late-September or October when trumpetcreeper is

Torpedograss

a minimum of 18 inches tall and has been growing 45 to 60 days since the last tillage operation. Make application a minimum of 1 week before a killing frost. Vasevgrass<sup>2</sup> 2 - 3.33 - 201.5% Velvetgrass<sup>2</sup> 2 - 3.33 - 201.5% Wheatgrass, western2 1.5 - 2

1 Apply when most plants have reached the early-bud stage of growth. <sup>2</sup> Apply when most plants have reached the early-heading stage of growth.

#### WOODY BRUSH, TREES AND VINES RATE SECTION 16.0

Apply this product during full leaf expansion, unless otherwise directed. Use a higher rate of application or spray solution concentration within a given range for larger plants or in areas of dense vegetative growth. On vines, use a higher rate of application or spray solution concentration for plants that have reached: the woody stage. Enhanced results can be obtained when application is made in late-summer or fall after fruit formation.

In arid areas, enhanced results can be obtained when application is made in spring to early-summer when brush species are at high moisture content and flowering. Unless otherwise directed, make broadcast applications in 3 to 40 gallons of water per acre. Ensure thorough coverage when using handheld sprayers.

application in the fall. Allow a minimum of 7 days after application before tillage, mowing or removal of vegetation in the application area. Repeat applications might be necessary to control plants regenerating from underground parts or seed. Some autumn color on undesirable deciduous species is acceptable when applying this product, provided no major leaf drop has occurred. Reduced performance could result if fall application is made after a frost.

Herbicidal symptoms might not appear prior to frost or senescence following

#### WOODY BRUSH, TREES AND VINES RATE TABLE

Species	(quarts/acre)	(% solution)
Alder	2-3	1%
Ash <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Aspen, quaking	1.5 - 2	1%
Bearmat (Bearclover) <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Beech <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Birch	1.5 - 2	1%
Blackberry	2 - 3	1%
Apply after target plants have reached fit can be obtained when application is material a 0.7-percent solution of this product aff late-fall. After leaf drop and until a killing frost to 2.5 o quarts of this product in 10 to 40 gal	ade in late-sumn ter berries have s t or as long as sten	ner or fall. Apply set or dropped in ns are green, apply

Bracken	1.5 - 3.3	1 - 1.5%
Broom; French, Scotch	-	1 - 1.5%
Buckwheat, California <sup>1,2</sup>		1 - 1.5%
Cascara <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Catsclaw <sup>1</sup>	-	1%
Ceanothus <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Chamise <sup>2</sup>	-	1%
Cherry; bitter, black, pin	1.5 – 2	1%
Coyote brush	-	1 - 1.5%
Annly when at least 50 nercent of the new	nlavas ara fully davaln	nod

1.5 - 3.3

Blackgum

Kudzu

Locust, black1

nogwood,	1.5 - 5.5	1 - 1.5%	
Elderberry	1.5 - 2	1%	
Elm <sup>1</sup>	1.5 - 3.3	1 - 1.5%	
Eucalyptus	-	1.5%	
For control of eucalyptus re-sprouts, apply when re-sprouts are 6 to 12 feet tall. Ensure complete coverage. Application to drought-stressed eucalyptus plants will result in less than optimum results.			

result iii iess tiiaii uptiiiiuiii results.		
Florida holly (Brazilian Peppertree) <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Gorse <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Hasardia <sup>1,2</sup>	-	1 - 1.5%
Hawthorn	1.5 - 2	1%
Hazel	1.5 - 2	1%
Hickory <sup>1</sup>	1.5 - 3.3	1 - 1.5%
Honeysuckle	2-3	1%
Hornbeam, American <sup>1</sup>	1.5 - 3.3	1 - 1.5%

More than one application might be needed to achieve control

1.5% Madrone re-sprouts Apply to re-sprouts that are 3 to 6 feet tall. Enhanced results can be obtained with spring or early-summer application.

2.5 - 3.3

1.5 - 3

1.5%

1 - 1.5%

ies	Broadcast Rate (quarts/acre)	Sprayer Concentration (% solution)
162	(quarts/acre)	( /0 2010(1011)
le, red	1.5 – 3	1%
a 1 parcent colution when at least 50 parc	ont of the new leaves	are fully developed

Man

Handheld

Sprayer

1 - 1.5%

Saltcedar

Sassafras

Broadcast Rate Concentration

Handheld

Maple, sugar	-	1%
Apply when at least 50 percent of the new le	aves are fully devel	oped.
Monkey flower <sup>1,2</sup>	-	1 - 1.5%
Oak; black, white1	1.5 - 3	1 - 1.5%
Oak, post	2-3	1%
Oak, northern	-	1%

For partial control, apply 44 to 86 fluid ounces of this product per acre

Apply when at least 50 percent of the new pin leaves are fully developed Oak, southern red 15 - 21% Persimmon1 15 - 331-15% Pine 1.5 - 3.31 - 1.5%

Poison ivy/Poison oak 2.5 - 3.31.5% More than one application might be needed to achieve control. Application in the fall must be made before leaves lose green color. Poplar, vellow1 1.5 - 3.31 - 1.5%Redbud, eastern 1.5 - 3.31 - 1.5%Rose, multiflora 1.5 1%

Make application prior to leaf deterioration by leaf-eating insects. Russian olive1 15 - 331 - 1.5%Sage, black<sup>2</sup> 1% 1.5 - 3.31 - 1.5%Sage, white1 Sagebrush, California 2 1% Salmonberry 1.5 - 2

1.5 - 3.3

1.5 - 3.3

1 - 1.5%

1 - 1.5%

Sourwood1 1.5 - 3.31 - 1.5%Sumac: poison, smooth, winged 1.5 - 31 - 1.5%1.5 - 21% Swordfern<sup>1</sup> 1.5 - 3.31 - 1.5%

Tallowtree, Chinese 1% Tan oak re-sprouts1 1.5% Apply to re-sprouts that are less than 6 feet tall. Enhanced results can be obtained following application in the fall. Thimbleberry 1% 15 - 2

1 - 1.5%Tobacco, tree Trumpetcreeper 1.5 - 21% Vine maple1 1.5 - 3.31 - 1.5%15 - 33Virginia creeper 1 - 1.5%Waxmvrtle, southern 15 - 331 - 1.5%Willow Partial Control

<sup>2</sup> Thorough coverage of foliage is necessary for enhanced results.

#### 17.0 LIMIT OF WARRANTY AND LIABILITY

Bayer CropScience LP ("Company") warrants that this product conforms to the chemical description on the label, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall use this product only for the purposes of and in accordance with the Complete Directions for Use label ("Directions") and shall promptly notify this Company of any claims whether based in contract. negligence, strict liability, other tort or otherwise.

responsible for all loss, injuries 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, crop injury or failure of this product to control weed biotypes which develop resistance to glyphosate. 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, use and/or application in any manner not explicitly set forth in or inconsistent with 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.

To the extent consistent with applicable law, buyer and all users are

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 in-crop (over-the-top) uses on Roundup Ready crops, crop safety and

weed control performance are not warranted by Bayer CropScience LP when this product is used in conjunction with "brown bag" or "bin run" seed saved from previous year's production and replanted. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES. INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER. THE REPLACEMENT

OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT

OF SUCH QUANTITY, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN

NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY

Upon opening and using this product, buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement. If terms are not acceptable, return at once unopened. CROPSHIELD and Design, Degree, Harness, Roundup Ready, Roundup Ready 2 Yield, Roundup WeatherMAX and Design, Rowel, Transorb and Design,

INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

TripleFLEX, TruFlex and Warrant are registered trademarks of Bayer Group. All other trademarks are the property of their respective owners.

In case of an emergency involving this product. call collect, day or night, 1-800-334-7577.

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#### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

# Keep out of reach of children

# CAUTION

Causes moderate eye irritation. Harmful if inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing vapor or spray mist.

#### FIRST AID

#### IF IN EYES • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses if present, after the first 5 minutes then continue Call a poison control center or doctor for treatment advice. IF ON Take off contaminated clothing.

# SKIN OR CLOTHING

. Move person to fresh air.

- Rinse skin immediately with plenty of water for 15 to 20 minutes. · Call a poison control center or doctor for treatment advice.
- respiration, preferably mouth-to-mouth, if possible · Call a poison control center or doctor for treatment advice.
- Have the product container or labeling with you when calling a poison control center or doctor, or going for treatment

If person is not breathing, call 911 or an ambulance, then give artificial

- You can also call 1-800-334-7577, collect, day or night, for emergency medical treatment
- This product is identified as Roundup WeatherMAX Herbicide. EPA Registration No.

**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 could 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)

Some of the materials that are chemical-resistant to this product are listed below

Mixers, Loaders, Other Handlers and Applicators, when handling this concentrated product or its application solutions of 30 percent concentration or greater, must wear: long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride.

Applicators, when handling only spray solutions where concentration is 30 percent of this product or less, must wear: long-sleeved shirt and long pants, socks and shoes.

Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). If there are no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

#### 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

#### **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 wash waters and rinsate

#### Physical or Chemical Hazards

Spray solutions of this product may be mixed, stored and applied using stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas, which can form a highly combustible gas mixture. This gas mixture could flash or explode if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source and cause serious personal injury.

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

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard. 40 CFR Part 170. Refer to supplemental labeling under "AGRICULTURAL USE REQUIREMENTS" in the DIRECTIONS FOR USE section for information about this standard

#### 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

Keep people and pets off treated areas until spray solution has dried.

See Complete Directions for Use attached to this label for complete Agricultural Use Requirements of the Worker Protection Standard, Directions for Use and Limit of Warranty and Liability.

# Storage and Disposal

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination.

PESTICIDE DISPOSAL: To avoid wastes, use all material in the container, including rinsate, by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

CONTAINER HANDLING AND DISPOSAL: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning this container before refilling is the responsibility of the refiller. Cleaning this container before final disposal is the responsibility of the person disposing of the container.

To clean this container before final disposal, empty the remaining contents from the container into application equipment or mix-tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two

Some container manufacturers offer container recycling. See additional information regarding manufacturer recycling programs attached to this container, if available, If no recycling information is available on this container, contact your chemical dealer or Bayer CropScience LP at 1-866-99BAYER (1-866-992-2937) to find the nearest recycling location.

> FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT. CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937)

IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, 1-800-334-7577.

REGISTERED IT FOR REFORMULATION. REPACKAGING OF THIS PRODUCT FOR DISTRIBUTION OR SALE MAY BE CONDUCTED ONLY UNDER THE TERMS OF A WRITTEN CONTRACT WITH BAYER

CropShield and Design, Roundup WeatherMAX and Design, Roundup Ready and Transorb and Design are registered trademarks of Bayer Group.

For a list of patents, if any, covering this product or its use, please go to www.monsantotechnology.com

EPA Reg. No. 524-537

EPA Est. 524-IA-1

Packed for: BAYER CROPSCIENCE LP 800 N. LINDBERGH BLVD. ST. LOUIS, MISSOURI 63167 USA

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**DIRECTIONS FOR USE** 



# TRANSORB® 2 Roundup WeatherMAX® HERBICIDE

# **Complete Directions for Use**

Herbicide for Roundup Ready® Crops Selective broad-spectrum weed control in Roundup Ready® crops

Non-selective, broad-spectrum weed control for many agricultural systems and farmsteads



for Roundup Ready° crops

#### ACTIVE INGREDIENT:

01

Glyphosate, N-(phosphonomethyl) glycine, in the form of its potassium salt	48.8%
THER INGREDIENTS:	51.2%
· · · · · · · · · · · · · · · · · · ·	nn n%

I\*Contains 660 grams of the active ingredient glyphosate, in the form of its potassium salt, per liter or 1 5.5 pounds per U.S. gallon, which is equivalent to 540 grams of the acid, glyphosate, per liter or 4.5 pounds per U.S. gallon (39.8% by weight).

Keep out of reach of children CAUTION

Please refer to booklet for additional precautionary statements and directions for use.

Not all products listed on this label are registered for use in California. Check the registration status of each product in California before using

THIS IS AN END-USE PRODUCT. BAYER CROPSCIENCE LP DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING

FOR PRODUCT INFORMATION OR ASSISTANCE USING THIS PRODUCT, CALL TOLL-FREE, 1-866-99BAYER (1-866-992-2937).

IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT, 1-800-334-7577.

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