

## **PLEASE NOTE**

**This image contains more than one label  
approved for this product on this date.**

524-537

08/26/2004

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## SUPPLEMENTAL LABELING

READ THE ENTIRE LABEL FOR ROUNDUP WEATHER MAX™ HERBICIDE BEFORE  
PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS  
SUPPLEMENTAL LABELING

When using Roundup Weather MAX as permitted according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the label booklet provided with the pesticide container and on this supplemental labeling. This supplemental labeling must be in the possession of the user at the time of pesticide application.

## Roundup WeatherMAX

Herbicide

EPA Reg. No. 524-537

Roundup WeatherMAX and Roundup Ready are registered  
trademarks of Monsanto Technology LLC.

**ACCEPTED**  
AUG 26 2004

WEED CONTROL APPLICATIONS IN SEED PRODUCTION OF  
ALFALFA WITH THE ROUNDUP READY® GENE

Keep out of reach of children.

**CAUTION!**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended for the pesticides  
registered under  
EPA Reg. No. 524-537

In case of an emergency involving this product, Call Collect, day or night, (314) 694-4000.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

This label must be in the possession of the user at the time of application.

### General Information

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

See "GENERAL INFORMATION" and "MIXING" sections of the label booklet for Roundup Weather MAX herbicide for essential product performance information.

MONSANTO COMPANY RECOMMENDS USE OF THIS PRODUCT FOR POSTEMERGENCE APPLICATION ONLY ON ALFALFA VARIETIES DESIGNATED AS CONTAINING THE ROUNDUP READY GENE.

The Roundup Ready designation indicates that the alfalfa contains a patented gene that provides tolerance to this product. Information on Roundup Ready alfalfa varieties may be obtained from your seed supplier or Monsanto representative. Roundup Ready crop varieties must be purchased from an authorized licensed seed supplier.

See the "ROUNDUP READY CROPS" section of the Roundup WeatherMAX label booklet for general precautionary instructions for use in Roundup Ready crops. Do NOT combine the instructions in this supplemental label with other recommendations made for crop varieties that do not contain the Roundup Ready gene listed in the "ANNUAL AND PERENNIAL CROPS (Alphabetical)" section of the Roundup WeatherMAX label booklet.

### Application Instructions

This product will control many troublesome emerged weeds with over-the-top applications in Roundup Ready alfalfa grown for seed. In-crop applications may be made from emergence through the late vegetative stage and spot treatments may be made from early bud stage through seed harvest.

**For ground applications** with broadcast equipment, apply this product in 3 to 40 gallons of spray solution per acre. Carefully select proper nozzle and spray pressure to avoid spraying a fine mist. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

**For aerial application:** Use the recommended rates of this product in 3 to 15 gallons of spray solution per acre.

DO NOT EXCEED 44 FLUID OUNCES OF THIS PRODUCT PER ACRE WHEN MAKING APPLICATIONS BY AIR. FOR AERIAL APPLICATION IN CALIFORNIA, REFER TO THE FEDERAL SUPPLEMENTAL LABEL FOR AERIAL APPLICATION IN THAT STATE. AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN THE ROUNDUP READY GENE. Do not apply during low-level inversion conditions, when winds are gusty or under any other conditions that favor drift. Drift may cause damage to any vegetation contacted to which treatment is not intended. To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.

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

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

**Types Of Applications:** Preplant, At-planting, Preemergence, Postemergence and Post-harvest of seed

**Maximum Allowable Combined Application Rates**

Combined total per year for all applications	5.3 quarts per acre
Preplant, At-planting and Preemergence applications	44 fl oz per acre
Total in-crop application rate from emergence through the late vegetative stage	4.0 quarts per acre

Spot-treatment during early bud stage through seed harvest  (See the "Spot Treatment after late vegetative stage" section and the "PRECAUTIONS AND RESTRICTIONS" section of this label for complete instructions)	Apply spray-to-wet; do not apply to the point of runoff
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**There are no rotational crop restrictions following applications of this product. For any crop NOT listed in the label booklet, applications must be at least 30 days prior to planting.**

**Over-the-top applications:** Broadcast applications of this product may be made using ground or aerial equipment in-crop Roundup Ready alfalfa from emergence through the late vegetative stage. Do not make broadcast applications of this product between the initiation of alfalfa budding and the harvest of seed. Any single over-the-top broadcast application of this product should not exceed 44 fluid ounces per acre. Sequential applications of this product should be at least 7 days apart.

Due to the biology and breeding constraints of alfalfa, up to 10% of the seedlings may not contain the Roundup Ready gene and will not survive or thrive after the first application of this product. To limit undesirable effects of stand gaps created by the loss of plants not containing the Roundup Ready gene, a single application of at least 22 fluid ounces per acre of this product should be applied at or before the 3 to 4 trifoliate growth stage.

**Spot Treatment after late vegetative stage:** For late emerging weeds, this product may be applied as a spot treatment in Roundup Ready alfalfa grown for seed, during the early bud stage through seed harvest. Applications made during this stage may result in reduced seed yield and quality and are the responsibility of the grower. Make applications on a spray-to-wet basis. Do not spray to the point of runoff. If a

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spot treatment is made after the late vegetative stage, harvested seed must not be used for alfalfa sprout production.

**Post-harvest applications:** Following harvest of Roundup Ready alfalfa seed, the stand may be managed for forage and hay production. Refer to the Roundup WeatherMAX herbicide supplemental label "FOR WEED CONTROL APPLICATIONS IN FORAGE AND HAY PRODUCTION OF ALFALFA WITH THE ROUNDUP READY GENE".

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

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

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

During stand establishment, for applications made prior to the 4-trifoliate growth stage, the use of ammonium sulfate may result in crop injury and is not recommended. Refer to the "MIXING" section of the Roundup WeatherMAX label booklet for use instructions for ammonium sulfate.

**PRECAUTIONS AND RESTRICTIONS:** Do not make over-the-top broadcast applications of this product between the initiation of alfalfa budding and the harvest of Roundup Ready alfalfa seed. If a spot treatment of this product is made after the late vegetative stage, do not use harvested Roundup Ready alfalfa seed for alfalfa sprout production. Regardless of applications made, the use of harvested Roundup Ready alfalfa seed is not suitable, and is not recommended for production of alfalfa sprouts.

**Read the "LIMIT OF WARRANTY OR LIABILITY" in the label booklet for Roundup WeatherMAX herbicide before using. For over-the-top uses on Roundup Ready crop varieties, crop safety and weed control performance are not warranted by Monsanto when this product is used in conjunction with "brown bag" or "bin run" seed saved from previous year's production and replanted. These terms apply to this supplemental labeling and if these terms are not acceptable, return the product unopened at once.**

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ST. LOUIS, MISSOURI 63167

**NEXT**

**LABEL**

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## SUPPLEMENTAL LABELING

For distribution and use only in the States of Colorado, Idaho, Iowa, Minnesota, Montana, Nebraska, North Dakota, Oregon, South Dakota, Washington, and Wisconsin

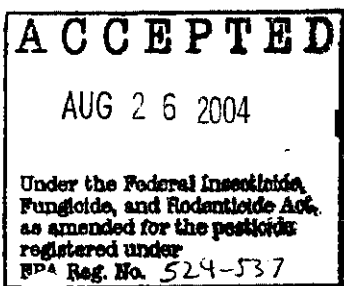
READ THE ENTIRE LABEL FOR Roundup WeatherMAX HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

When using Roundup WeatherMAX herbicide as permitted according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the label booklet provided with the pesticide container and on this supplemental labeling. This supplemental labeling must be in the possession of the user at the time of pesticide application.

### Roundup WeatherMAX HERBICIDE LOGO

EPA Reg. No. 524-537

Roundup WeatherMAX is a  
trademark  
of Monsanto Technology LLC



### PREHARVEST AND SPOT-TREATMENTS OF WEEDS IN DRY PEAS, LENTILS, AND CHICKPEAS.

Keep out of reach of children.

### CAUTION!

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In case of an emergency involving this product, Call Collect, day or night, 314-694-4000

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See "GENERAL INFORMATION" and "MIXING" sections of the label booklet for Roundup WeatherMAX herbicide for essential product performance information.

It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

This label must be in the possession of the user at the time of herbicide application.

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

See "GENERAL INFORMATION" and "MIXING" sections of the label booklet for Roundup WeatherMAX herbicide for essential product performance information.

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### DIRECTIONS FOR USE

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See the "APPLICATION EQUIPMENT AND TECHNIQUES" Section of the Roundup WeatherMAX herbicide label booklet for more information.

To minimize drift, use nozzles that emit medium to large-sized droplets. The likelihood of drift occurring from the use of this product increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing, or when there are other meteorological conditions that favor spray drift. Extreme care must be used when applying this product to avoid injury to desirable plants and crops.

#### **BROADCAST SPRAY**

**USE INSTRUCTIONS:** This product may be applied as an over-the-top broadcast spray to control labeled weeds prior to the harvest of dry peas, lentils, and chickpeas. Apply up to 17 fluid ounces in 3 to 20 gallons of water per acre at the hard dough stage of the legume seed (30 percent grain moisture or less). Either ground broadcast or aerial applications may be made.

#### **PRECAUTIONS, RESTRICTIONS:**

- Apply at least 14 days before harvest.
- Only one application per year may be made; do not combine a preharvest spray with a spot treatment on the same crop area.
- Employ at least a 30-day plant-back interval between treatment and replanting for any crop not listed in the Roundup WeatherMAX herbicide label.
- Preharvest application is not recommended for peas, lentils, or chickpeas grown for seed, as a reduction in germination or vigor may occur.
- Do not feed treated vines and hay from these crops to livestock. Do not apply this product through any type of irrigation system.
- Do not treat field (feed) peas, since these are considered to be grown as livestock feed.

#### **SPOT TREATMENTS**

**USE INSTRUCTIONS:** This product may be applied as a spot treatment to control troublesome weeds such as Canada thistle, quackgrass, mayweed (dog fennel), and milkweed in peas, lentils, and chickpeas. Apply up to 17 fluid ounces in 10 to 20 gallons of water through ground spray equipment or use a 2 percent solution in a hand-held sprayer. For best results, applications should be made at or beyond the bud stage of growth. The crop receiving spray in treated areas will be killed.

#### **PRECAUTIONS, RESTRICTIONS:**

- Apply at least 14 days before harvest.
- Only one application per year may be made; do not combine spot treatments with a preharvest broadcast spray on the same crop area.
- Employ at least a 30-day plant-back interval between treatment and replanting for any crop not listed in the Roundup WeatherMAX herbicide label.
- Do not feed treated vines and hay from these crops to livestock.
- Do not treat field (feed) peas, since these are considered to be grown as livestock feed.

**Read the "Limit of Warranty and Liability" in the label booklet for Roundup WeatherMAX herbicide before using. These terms apply to this supplemental labeling and if these terms are not acceptable, return the product unopened at once.**

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**NEXT**

**LABEL**

## SUPPLEMENTAL LABELING

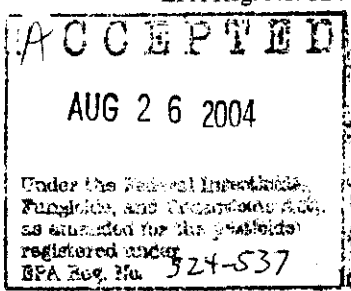
READ THE ENTIRE LABEL FOR ROUNDUP WEATHERMAX™ HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

When using Roundup WeatherMAX herbicide as permitted according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the label booklet provided with the pesticide container and on this supplemental labeling. This supplemental labeling must be in the possession of the user at the time of pesticide application.

### ROUNDUP WEATHERMAX HERBICIDE

EPA Reg. No. 524-537

Roundup WeatherMAX and Roundup Ready are trademarks of Monsanto Technology LLC.



FOR AERIAL APPLICATION IN CALIFORNIA ONLY  
(including Fresno County, California)

Keep out of reach of children.  
**CAUTION!**

In case of an emergency involving this product, Call Collect, day or night, 314-694-4000.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling.

This labeling must be in the possession of the user at the time of herbicide application.

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

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

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 disposing of equipment wash waters.

#### Aerial Equipment

AVOID DRIFT—DO NOT APPLY WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITION WHICH FAVORS DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT IS NOT INTENDED. TO



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

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

1. Do not apply within 100 feet of all desirable vegetation or crop(s).
2. If wind up to 5 miles per hour is blowing toward desirable vegetation or crop(s), do not apply within 500 feet of the desirable vegetation or crop(s).
3. Winds blowing from 5 to 10 miles per hour toward desirable vegetation or crop(s) may require buffer zones in excess of 500 feet.
4. Do not apply when winds are in excess of 10 miles per hour or when inversion conditions exist.
5. Apply by air only to nonresidential areas.

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

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

#### **CROP USES:**

**Important:** Do not exceed the maximum allowable aerial application rate of 44 fluid ounces per acre, which is allowed for specific crops and application timings.

**READ AND FOLLOW THE SPECIFIC LABELING INSTRUCTIONS FOR EACH CROP.**

Utilize allowable application rates and timing limitations that pertain to your specific cropping system and stage of growth.

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

1. In fallow and reduced tillage systems prior to the emergence or transplanting of labeled crops.

2. In alfalfa and pasture renovation applications.
3. Over-the-top applications in corn with the Roundup Ready gene and cotton with the Roundup Ready gene. Refer to further label instructions for corn with the Roundup Ready gene and cotton with the Roundup Ready gene for specific application instructions for over-the-top applications in these crops.
4. Preharvest in alfalfa, corn, cotton, wheat, corn with the Roundup Ready gene, and cotton with the Roundup Ready gene. Refer to the Roundup WeatherMAX herbicide label instructions for specific preharvest application instructions for each individual crop.

Do not plant subsequent crops other than those listed in the label booklet for 30 days following application.

When applied as recommended under the conditions described, this product controls annual and perennial weeds listed in the label booklet.

Use the recommended rates of this product in 3 to 15 gallons of water per acre.

When tank mixing this product with 2,4-D for aerial applications, only 2,4-D amine formulations may be used. This tank mixture may be used for fallow and reduced tillage systems and alfalfa and pasture renovation applications only.

**For FRESNO COUNTY, CALIFORNIA ONLY (From February 15 through March 31 only)**  
**the following applies:**

**Applicable Area**

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

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

**General Information**

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

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

**Written Recommendations**

A written recommendation **MUST** be submitted by or on behalf of the applicator to the Fresno County Agricultural Commissioner 24 hours prior to the application. This written

recommendation **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.

**Applications 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.

To report known or suspected misuse of this product, call 1-800-332-3111.

For additional information on the proper aerial application of this product, call 916-784-1718.

**Note:** For aerial application from April 1 through February 14, refer to the other sections of this supplemental label.

**Read the "Limit of Warranty and Liability" in the label booklet for Roundup WeatherMAX herbicide before using. These terms apply to this supplemental labeling and if these terms are not acceptable, return the product unopened at once.**

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