

## **PLEASE NOTE**

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

## SUPPLEMENTAL LABELING

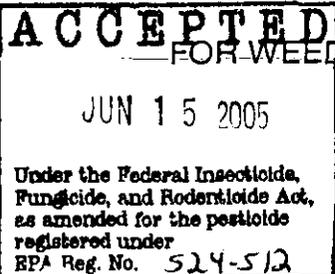
READ THE ENTIRE LABEL FOR ROUNDUP ULTRAMAX HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

When using Roundup UltraMAX 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 UltraMAX Herbicide

EPA Reg. No. 524-512

Roundup UltraMAX is a trademark and Roundup Ready is a registered trademark of Monsanto Technology LLC.



FOR WEED CONTROL APPLICATIONS IN FORAGE AND HAY PRODUCTION OF ALFALFA WITH THE ROUNDUP READY® GENE

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

#### General Information

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS AND TREES, OTHER THAN CROPS WITH THE ROUNDUP READY GENE, SINCE SEVERE INJURY OR DESTRUCTION MAY RESULT.

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

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

The Roundup Ready designation indicates that the alfalfa contains a patented gene, which provides tolerance to this product. Information on Roundup Ready alfalfa varieties may be obtained from your seed supplier or Monsanto.

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

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

#### Application Instructions

This product will control many troublesome emerged weeds with over-the-top applications in Roundup Ready alfalfa. Allow a minimum of 5 days between the last application and grazing, or, cutting and feeding of alfalfa forage and hay.

**For ground applications** with broadcast equipment, apply this product in 5 to 30 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 52 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 which favor drift. Drift may cause damage to any vegetation contacted to which treatment is not intended. To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.

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

**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 and Postemergence

**Maximum Allowable Combined Application Rates**

Combined total per year for all applications	6.5 quarts per acre
Preplant, At-planting and Preemergence applications	52 fl oz per acre

**Prior to First Cutting During New Stand Establishment:**

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

**After First Cutting In Established Stands:**

In-crop application per cutting, up to 5 days before cutting	52 fl oz per acre
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There are no rotational crop restrictions following applications of this product. For any crop NOT listed in the label booklet (refer to the "CROPS" section of the label booklet for Roundup UltraMAX herbicide), applications must be at least 30 days prior to planting.

**Over-the-top applications:** This product may be applied postemergence to Roundup Ready alfalfa from emergence until 5 days prior to cutting. Any single over-the-top application of this product should not exceed 52 fluid ounces per acre. Sequential applications of this production should be at least 7 days apart.

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

During stand establishment, due to the biology and breeding constraints of alfalfa, up to 10% of the seedlings may not contain the Roundup Ready gene and will not survive or thrive after the first application of this product. To eliminate the undesirable effects of stand gaps created by the loss of plants not containing the Roundup Ready gene, a single application of at least 26 fluid ounces per acre of this product should be applied at the 3 to 4 trifoliate growth stage.

In both newly seeded and established stands, in order to maximize yield and quality potential of forage and hay, applications of this product should be made after weeds have emerged but before alfalfa growth or re-growth interferes with application spray coverage of the target weeds.

**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 UltraMAX 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 UltraMAX label booklet, this product will suppress or control the following parasitic weeds in Roundup Ready alfalfa. Repeat applications may be necessary for complete control.

- Dodder (*Cuscuta spp.*)
- Broomrape (*Orabanche spp.*)

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 stage, use of ammonium sulfate may result in crop injury and is not recommended. Refer to the "MIXING" section of the Roundup UltraMAX label booklet for use instructions for ammonium sulfate.

**PRECAUTIONS AND RESTRICTIONS:** Remove domestic livestock before application and wait a minimum of 5 days after last application before grazing, or cutting and feeding of Roundup Ready alfalfa forage and hay.

Read the "LIMIT OF WARRANTY OR LIABILITY" in the label booklet for Roundup UltraMAX 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**

524-512

06/15/2005



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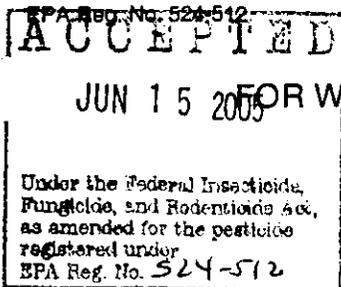
# SUPPLEMENTAL LABELING

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## Roundup UltraMAX Herbicide

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

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**CAUTION!**

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### 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 OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS AND TREES, OTHER THAN CROPS WITH THE ROUNDUP READY GENE, SINCE SEVERE INJURY OR DESTRUCTION MAY RESULT.

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

MONSANTO COMPANY RECOMMENDS USE OF THIS PRODUCT FOR POSTEMERGENCE IN-CROP APPLICATIONS 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 UltraMAX 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 UltraMAX 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 5 to 30 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 52 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

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TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN THE ROUNDUP READY GENE. Do not apply during low-level inversion conditions, when winds are gusty or under any other conditions which favor drift. Drift may cause damage to any vegetation contacted to which treatment is not intended. To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.

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

**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	6.5 quarts per acre
Preplant, At-planting and Preemergence applications	52 fl oz per acre
Total in-crop application rate from emergence through the late vegetative stage	4.8 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

There are no rotational crop restrictions following applications of this product. For any crop NOT listed in the label booklet (refer to the "CROPS" section of the label booklet for Roundup UltraMAX herbicide), 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 to 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 52 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 1/2 % 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 26 fluid ounces per acre of this product should be applied at 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 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 UltraMAX 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 UltraMAX 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 UltraMAX label booklet, this product will suppress or control the following parasitic weeds in Roundup Ready alfalfa seed production. Repeat applications may be necessary for complete control.

- Dodder (*Cuscuta spp.*)
- Broomrape (*Orbanche spp.*)

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 UltraMAX label booklet for use instructions for ammonium sulfate.

**PRECAUTIONS AND RESTRICTIONS:** Do not make 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.

**Read the "LIMIT OF WARRANTY OR LIABILITY" in the label booklet for Roundup UltraMAX 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.**