

PLEASE NOTE

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

524-512

5/10/2001

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SUPPLEMENTAL LABELING

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

"Label" as used in this supplemental labeling refers to the label booklet for Roundup UltraMAX and this supplement.

ROUNDUP ULTRAMAX
Herbicide by Monsanto

EPA Reg. No. 524-512

ACCEPTED
MAY 10 2001
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-512

Master Label of Uses Communicated Through Supplemental Labeling

Keep out of reach of children.

CAUTION!

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

Roundup UltraMAX is a trademark of Monsanto Company.

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.

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES, OTHER THAN ALFALFA WITH THE ROUNDUP READY® GENE, BECAUSE 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.

Read the "Limit of Warranty and Liability" in the label booklet for Roundup UltraMAX 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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MONSANTO COMPANY
ST. LOUIS, MISSOURI 63167

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RECOMMENDATIONS

1. FOR CANOLA WITH THE ROUNDUP READY® GENE

GENERAL INFORMATION

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

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

USE RECOMMENDATIONS

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

Maximum Allowable Combined Application Quantities Per Season:

1. Preplant and preemergence applications	1.6 qts./acre
2. Total in-crop application from emergence to 6 leaf	26 fl oz./acre

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

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

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

OTHER CONDITIONS WHICH FAVOR DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT IS NOT INTENDED. TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

Do not allow the herbicide solution to mist, drip, drift or splash onto desirable vegetation since minute quantities of this product can cause severe damage or destruction to the crop, plants or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing or when there are other meteorological conditions that favor spray drift. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) which are likely to drift. AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.

Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense spray as fine spray droplets. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure.

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

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

Preplant or Preemergent applications: This product may be applied by aerial or ground application equipment prior to planting or emergence of canola. The maximum combined application rate from all preplant and pre-emergent applications should not exceed 1.6 quarts per acre per season.

NOTE: In no-till and stale seedbed systems, always use a burndown treatment to control existing weeds before canola emerges. Apply a preplant burndown treatment of 13 to 26 fluid ounces per acre of this product.

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

Single Application - Apply 13 to 20 fluid ounces per acre no later than the 6-leaf stage for the control of annual weeds. Avoid overlapping applications which may result in temporary yellowing, delayed flowering, and or growth reduction. Similar injury may result when applications of more than 13 ounces per acre are applied after the 4-leaf stage.

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Sequential Applications - Apply 13 fluid ounces per acre to 1-3 leaf canola followed by a sequential application at a minimum interval of 10 days, but no later than the 6-leaf stage. Sequential applications are recommended for early emerging annual weeds and perennial weeds such as Canada thistle and quackgrass.

This product will control or suppress, most perennial weeds. For some perennial weeds, repeat applications may be required to eliminate crop competition throughout the growing season.

No more than two over-the-top broadcast applications may be made from crop emergence through the 6-leaf stage of development and the total in-crop application should not exceed 1.6 quarts per acre.

Weeds controlled. For specific rates of application and instructions for control of various annual and perennial weeds, refer to the Roundup UltraMAX herbicide label booklet.

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

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

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.

2. FOR POSTEMERGENCE APPLICATIONS TO CORN WITH THE ROUNDUP READY® GENE

GENERAL INFORMATION

MONSANTO COMPANY RECOMMENDS USE OF THIS PRODUCT ONLY ON CORN HYBRIDS DESIGNATED AS CONTAINING THE ROUNDUP READY GENE.

- Applying this product to corn hybrids which are not designated as Roundup Ready will result in severe crop injury and yield loss.
- The Roundup Ready designation indicates that the corn contains a patented gene which provides tolerance to this herbicide. Information on Roundup Ready Corn may be obtained from your seed supplier or Monsanto representative.

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Application Instructions

This product may be applied postemergence to Roundup Ready Corn from emergence through the V8 stage (8 leaves with collars) or until corn height reaches 30 inches, whichever comes first. Single in-crop applications of this product are not to exceed 26 fluid ounces per acre. Sequential in-crop applications of this product from emergence through the V8 stage or 30 inches must not exceed 1.6 quarts per acre per growing season.

Maximum Yearly Rates Allowed

Preplant: Maximum amount of this product which can be applied prior to crop emergence is 4 quarts per acre.

In-crop: Maximum combined total of multiple in-crop applications from emergence through the V8 stage or 30 inches is 1.6 quarts per acre.

Preharvest: Maximum amount of this product that can be applied after maximum kernel fill is complete and the crop is physiologically mature (black layer formation) until 7 days before harvest is 26 fluid ounces per acre.

Cropping Season: Combined total per year for all applications may not exceed 6.5 quarts per acre.

When applied as directed, this product controls labeled annual grass and broadleaf weeds in Roundup Ready Corn. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product. Applications should be made to actively growing weeds before they reach the maximum size listed in the "WEEDS CONTROLLED" section of the label booklet for Roundup UltraMAX herbicide. Refer to the "MIXING" section of the label booklet for proper use instructions.

The addition of 1 to 2 percent dry ammonium sulfate by weight or 8.5 to 17 pounds per 100 gallons of water may increase the performance of this product under hard water conditions, drought conditions or when tank mixed with Bullet[®], Micro-Tech[®] or Partner[®] herbicides. Ensure that ammonium sulfate is completely dissolved in the spray tank before adding herbicides. Thoroughly rinse the spray system with clean water after use to reduce corrosion. The addition of other additives, including fertilizers and micro-nutrients are not recommended with this product since this may result in increased potential for crop injury.

Allow a minimum of 50 days between application of this product and harvest of corn forage and 7 days between application and harvest of corn grain. Allow a minimum of 10 days between in-crop applications of this product. There are no rotational crop restrictions following applications of this product.

ATTENTION: AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN THE ROUNDUP READY GENE.

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THOROUGHLY CLEAN THE SPRAY TANK AND ALL LINES AND FILTERS TO ELIMINATE POTENTIAL CONTAMINATION FROM OTHER HERBICIDES PRIOR TO MIXING AND APPLYING THIS PRODUCT.

For Ground Applications: Use the recommended rates of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. Carefully select correct nozzles and spray pressure to avoid spraying a fine mist. Check for even distribution of spray droplets.

For Aerial Applications: Use the recommended rates of this product in 3 to 15 gallons of spray solution per acre. Do not exceed 26 fluid ounces per acre. See "WEEDS CONTROLLED" section on this label. AVOID DRIFT—DO NOT APPLY DURING 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 VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

Weed Control Recommendations

Apply 20 to 26 fluid ounces of Roundup UltraMAX herbicide per acre for control of labeled grasses and broadleaf weeds in conventional and no-till corn production systems. Refer to the label booklet for Roundup UltraMAX herbicide for rate recommendations for specific annual weeds. Roundup UltraMAX herbicide applied at up to 26 fluid ounces per acre will control or suppress the growth of perennial weeds such as: bermudagrass, Canada thistle, common milkweed, field bindweed, hemp dogbane, horsenettle, nutsedge, quackgrass, rhizome johnsongrass, redvine, trumpetcreeper, swamp smartweed, and wirestem muhly. For additional information on perennial weeds, see the "PERENNIAL WEED RATE TABLE" of the label booklet for Roundup UltraMAX herbicide.

Preemergence Followed By Postemergence Weed Control Program

This product may be applied postemergence in-crop following any labeled preemergence herbicide application. The post application of this product should be made before the weeds reach a height and/or density that the weeds become competitive with the crop. A single in-crop application of this product at the recommended rate will provide control of emerged weeds listed on the label. This product may be applied postemergence to Roundup Ready Corn from emergence through the V8 stage (8 leaves with collars) or until corn height reaches 30 inches (free standing), whichever comes first.

Postemergence Only Weed Control Program

This product may be applied alone as a postemergence in-crop application to provide control of emerged weeds listed on the label. The postemergence application of this product should be made before the weeds reach a height and/or density that the weeds become competitive with the crop. If new flushes of weeds occur, a sequential application of this product at 20 to 26 fluid ounces per acre will control the labeled grasses and broadleaf weeds. This product

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may be applied postemergence to Roundup Ready Corn from emergence through the V8 stage or until corn height reaches 30 inches (free standing), whichever comes first.

This product may be applied in tank mixture with a labeled rate of Harness[®], Harness Xtra, Harness Xtra 5.6L, Micro-Tech, Bullet, Partner, Permit[®] or atrazine. Refer to the specific product label and observe all precautions and limitations on the label for all products used in tank mixtures, including application timing restrictions, soil restrictions, minimum re-cropping interval and rotational guidelines - the more restrictive requirements apply. Tank mixtures with other products may result in increased potential for crop injury and/or weed antagonism. Refer to the table below for height limitation for tank mix partner.

Tank Mix Partner	Maximum Height Of Corn For Application
Harness Harness Xtra Harness Xtra 5.6L	11 inches
Bullet* Micro-Tech* Partner*	5 inches
Permit	24 inches
Atrazine	12 inches

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

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 the previous year's productions and replanted. These terms apply to this supplemental labeling and if these terms are not acceptable, return the product unopened at once.

3. FOR COTTON WITH THE ROUNDUP READY[®] GENE IN-CROP APPLICATIONS

General Information

ATTENTION: MONSANTO RECOMMENDS THIS PRODUCT FOR USE ONLY OVER-THE-TOP OF OR DIRECTED ONTO IMPROVED COTTON VARIETIES THAT ARE DESIGNATED AS COTTON WITH THE ROUNDUP READY[®] GENE. SEVERE INJURY OR DEATH OF COTTON WILL RESULT IF ANY COTTON VARIETIES NOT PROPERLY DESIGNATED AS HAVING THE ROUNDUP READY GENE ARE SPRAYED WITH THIS PRODUCT.

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DE-SIRABLE PLANTS AND TREES, OTHER THAN CROPS WITH

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THE ROUNDUP READY GENE, SINCE SEVERE INJURY OR DESTRUCTION WILL RESULT.

ROUNDUP READY COTTON VARIETIES MUST BE PURCHASED FROM AN AUTHORIZED LICENSED SEED SUPPLIER. THE DESIGNATION, "ROUNDUP READY", INDICATES THE COTTON VARIETY CONTAINS A PATENTED PROPRIETARY TRAIT.

Application Instructions

This product will control many troublesome weeds with over-the-top, post-directed, hooded sprayer, or preharvest applications in Roundup Ready cotton.

Maximum Allowable Yearly Rates

- | | |
|--|-----------------|
| 1. Combined total per year for all applications. | 6.5
quarts/A |
| 2. Preplant, Preemergence applications. | 4.0
quarts/A |
| 3. Total in-crop applications from cracking to lay-by. | 3.2
quarts/A |
| 4. Maximum preharvest application rate. | 1.6
quarts/A |

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

For aerial applications, apply this product in 3 to 15 gallons of water per acre. DO NOT EXCEED A MAXIMUM RATE OF 26 FLUID OUNCES PER ACRE OF THIS PRODUCT WHEN MAKING APPLICATIONS BY AIR UNLESS OTHERWISE DIRECT-ED. 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.

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

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

In addition to uses listed in the Roundup UltraMAX™ herbicide label booklet, the following applications can be made:

Over-the-top applications: This product may be applied by aerial or ground application equipment postemergence to Roundup Ready cotton from the ground cracking stage until the four leaf (node) stage of development (until the fifth true leaf reaches the size of a quarter). Over-the-top applications made after the four leaf (node) stage of development may result in boll loss, delayed maturity and/or yield loss. Any single over-the-top broadcast application should not exceed 26 fluid ounces per acre. No more than two over-the-top broadcast applications may be made from crop emergence through the four leaf (node) stage of development. Sequential over-the-top applications of this product must be at least 10 days apart and cotton must have at least two nodes of incremental growth between applications.

NOTE: Always plant into a weed free seedbed. In no-till and stale seedbed systems, always burn down existing weeds before cotton emerges. Apply a preplant burndown treatment of 13-40 fluid ounces per acre of this product.

Post-Directed Or Hooded Applications: This product may be applied using precision post-directed or hooded sprayers to Roundup Ready cotton through lay-by. At this stage, post-directed equipment should be used which directs the spray to the base of the cotton plants. Contact of the spray with cotton leaves should be avoided to the maximum extent possible. To minimize spray onto the leaves of the cotton plants, place nozzles in a low position directing a horizontal spray pattern under the cotton leaves to contact weeds in the row, and maintain low spray pressure (less than 30 PSI). For best results, make applications while weeds are small (less than 3 inches). Any single post-directed application should not exceed 26 fluid ounces per acre of this product. No more than two applications should be made from the fifth leaf through lay-by. Sequential in-crop applications of this product must be at least 10 days apart and cotton must have at least two nodes of incremental growth between applications.

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

Salvage Treatment: This treatment may be used after the four leaf stage of development and should only be used where weeds threaten to cause the loss of the crop. 26 fluid ounces per acre may be applied either as an over-the-top application or as a post-directed treatment sprayed higher on the cotton plants and over the weeds. **NOTE: SALVAGE TREATMENTS WILL RESULT IN SIGNIFICANT BOLL LOSS, DELAYED**

MATURITY AND/OR YIELD LOSS. NO MORE THAN ONE SALVAGE TREATMENT SHOULD BE USED PER GROWING SEASON.

Weeds Controlled: For specific rates of application and instructions for control of various annual and perennial weeds, refer to "ANNUAL WEEDS RATE TABLE" section of the label booklet. Roundup UltraMAX herbicide applied at 26 fluid ounces per acre will burndown or suppress the growth of the following perennial weeds and reduce crop competition: yellow and purple nut-sedge, rhizome johnsongrass, common bermudagrass, silverleaf nightshade, trumpet creeper, and redvine. Fall preharvest applications may be required for control of these perennial weeds.

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

Some weeds with multiple germination times or suppressed (stunted) weeds may require sequential applications of this product for control.

Preharvest Applications: This product may be applied for preharvest annual and perennial weed control as a broad-cast treatment to Roundup Ready cotton after 20 percent boll crack. Aerial and ground applications may be made up to a maximum of 1.6 quarts per acre. Allow a minimum of 7 days between application and harvest. For specific recommendations refer to the "COTTON" section of the Roundup UltraMAX herbicide label booklet.

NOTE: Roundup UltraMAX herbicide will not enhance the performance of harvest aids when applied to Roundup Ready cotton. **DO NOT APPLY ROUNDUP ULTRAMAX HERBICIDE PREHARVEST TO CROPS GROWN FOR SEED.**

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.

4. FOR POSTEMERGENCE APPLICATIONS TO SUGAR BEETS WITH THE ROUNDUP READY® GENE

GENERAL INFORMATION

MONSANTO COMPANY RECOMMENDS USE OF THIS PRODUCT ONLY ON SUGAR BEETS WHICH HAVE THE ROUNDUP READY GENE.

- Applying this product to sugar beets which are not designated as Roundup Ready will result in severe crop injury and yield loss. Avoid contact with foliage, green stems, or fruit of crops, or any desirable plants which do not contain the Roundup Ready gene since severe injury or destruction will result.

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- The Roundup Ready designation indicates that the sugar beets contains a patented gene which provides tolerance to Monsanto's Roundup brand herbicides. Information on Roundup Ready sugar beets may be obtained from your seed supplier or Monsanto representative.

USE RECOMMENDATIONS

For application prior to planting and emergence refer to the Roundup UltraMAX herbicide label.

This product will control many troublesome emerged weeds with over-the-top applications in Roundup Ready sugar beets. Allow a minimum of 30 days between last application and sugar beet harvest.

For ground applications with broadcast equipment, apply this product in 5 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 26 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 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.

Do not allow the herbicide solution to mist, drip, drift or splash onto desirable vegetation since minute quantities of this product can cause severe damage or destruction to the crop, plants or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing or when there are other meteorological conditions that favor spray drift. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) which are likely to drift. AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.

Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense spray as fine spray droplets. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure.

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 sugar beets. Follow the cleaning procedures specified on the label of the product(s) used. Sugar beets can be very sensitive to many herbicides at extremely low concentrations and care should be taken to thoroughly clean all equipment prior to use.

Up to 4 sequential applications of this product may be made with at least 10 days between applications.

	Growth Stage	
	emergence to 8 leaf	8 leaf to canopy closure
Maximum per acre		
Roundup UltraMAX Quantity (Qts)	2.0	1.6
Maximum per application		
Roundup UltraMAX Quantity (Qts)	1.2	0.8

Do not apply a total of more than 2 quarts per acre prior to the 8 leaf stage.

Do not apply a total of more than 1.6 quarts per acre between the 8 leaf stage, and canopy closure.

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 postemergent to Roundup Ready sugar beets from emergence to 30 days prior to harvest. To maximize yield potential spray sugar beets early to eliminate competing weeds. Sequential over-the-top applications of this product should be at least 10 days apart.

Weeds controlled: For specific rates of application and instructions for control of various annual and perennial weeds, refer to the Roundup UltraMAX herbicide label booklet.

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

Ammonium sulfate may be mixed with this product for applications to Roundup Ready sugar beets. Refer to the "MIXING" section of the label booklet for use instructions for ammonium sulfate.

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 regrowth has occurred and at least 10 days after a previous application of this product.

This product will control or suppress, most perennial weeds. For some perennial weeds, repeat applications may be required to eliminate crop competition throughout the growing season.

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.

5. USE ONLY FOR SEED PRODUCTION OF ALFALFA WITH THE ROUNDUP READY® GENE

NOTE: This product may be used for control of non-glyphosate tolerant alfalfa in production fields of alfalfa containing the Roundup Ready gene. Severe injury or death of alfalfa will result if alfalfa varieties which do not contain the Roundup Ready gene are sprayed with this product.

USE INSTRUCTIONS: This product will control non-glyphosate tolerant alfalfa in seed production fields of alfalfa containing the Roundup Ready gene. Apply up to 52 fluid ounces of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. Subsequent applications of up to 52 fluid ounces per acre each may be applied, if needed to control non-glyphosate tolerant alfalfa plants.

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

PRECAUTIONS, RESTRICTIONS: Treated alfalfa or the resulting seed may not be used for food or feed. Do not feed or graze treated alfalfa. Do not process treated alfalfa or resulting seed for food or feed. Do not exceed a maximum rate of 6.5 quarts of this product per acre per season.

6. USE ONLY FOR SEED PRODUCTION OF LETTUCE WITH THE ROUNDUP READY® GENE

NOTE: This product may be used for control of non-glyphosate tolerant lettuce in production fields of lettuce containing the Roundup Ready gene. Severe injury or death of lettuce will result if lettuce varieties which do not contain the Roundup Ready gene are sprayed with this product.

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USE INSTRUCTIONS: This product will control non-glyphosate tolerant lettuce in seed production fields of lettuce containing the Roundup Ready gene. Apply up to 52 fluid ounces of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. A second application up to 52 fluid ounces per acre may be applied, if needed to control non-glyphosate tolerant lettuce plants.

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

PRECAUTIONS, RESTRICTIONS: Treated lettuce may not be used for food or feed. Do not feed or graze treated lettuce. Do not process treated lettuce for food or feed. Do not exceed a maximum rate of 3.25 quarts of this product per acre per season.

7. USE ONLY FOR SEED PRODUCTION OF RICE WITH THE ROUNDUP READY® GENE

NOTE: This product may be used for control of non-glyphosate tolerant rice in production fields of rice containing the Roundup Ready gene. Severe injury or death will result if rice varieties which do not contain the Roundup Ready gene are sprayed with this product.

USE INSTRUCTIONS: This product will control non-glyphosate tolerant rice in seed production fields of rice containing the Roundup Ready gene. Apply up to 52 ounces of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. A second application up to 52 ounces per acre may be applied, if needed to control non-glyphosate tolerant rice plants.

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

Treated rice may not be used for food or feed. Do not feed or graze treated rice. Do not process treated rice for food or feed. Do not exceed a maximum rate of 3.25 quarts of this product per acre per season.

8. FOR USE ONLY FOR SEED PRODUCTION OF WHEAT WITH THE ROUNDUP READY® GENE

NOTE: This product may be used for control of non-glyphosate tolerant wheat in production fields of wheat containing the Roundup Ready gene. Severe injury or death will result if wheat varieties which do not contain the Roundup Ready gene are sprayed with this product.

USE INSTRUCTIONS: This product will control non-glyphosate tolerant wheat in seed production fields of wheat containing the Roundup Ready gene. Apply up to 26 ounces of this product in 5 to 20 gallons of spray solution per acre as a broadcast spray. A second

application up to 26 ounces per acre may be applied, if needed to control non-glyphosate tolerant wheat plants.

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

PRECAUTIONS, RESTRICTIONS: Treated wheat may not be used for food or feed. Do not feed or graze treated wheat. Do not process treated wheat for food or feed. Do not exceed a maximum rate of 1.6 quarts of this product per acre per season.

9. FOR USE IN NONBEARING GINSENG

USE INSTRUCTIONS: This product may be used for general weed control in established non-bearing ginseng.

Direct applications so that there is no contact of this product with the ginseng plant. Applications may be made with boom equipment, CDA, shielded sprayers, hand-held and high volume wands, lances, orchard guns or with wiper application equipment.

For specific rates of application and instructions for control of various annual and perennial weeds, see the Weed Control tables in the label booklet for Roundup UltraMAX.

PRECAUTIONS, RESTRICTIONS: Applications must be made at least one year prior to harvest. Extreme care must be exercised to avoid contact of herbicide solution, spray, drift or mist with foliage or green bark of trunk, branches, suckers, fruit or other parts of desirable plants. Contact of this product with other than matured brown bark can result in serious crop damage.

10. POST HARVEST SPOT-TREATMENT OF WEEDS IN CRANBERRY BOGS.

USE INSTRUCTIONS: Application of this product may be made after the harvest of cranberries to control weeds growing within the field. Best results will be obtained if applications are made to vines that appear dormant (after they have turned red). Hand-held sprayers, wipers, or other appropriate application equipment listed under "APPLICATION EQUIPMENT AND TECHNIQUES" in the Roundup UltraMAX herbicide label booklet may be used. If using hand-held sprayers, use a 0.5 to 1 percent solution of Roundup UltraMAX herbicide on a volume-to-volume basis with water. Spray to wet vegetation, not to run-off. If using hand-held boom sprayers, apply 1.6 to 3.25 quarts of this product per acre.

PRECAUTIONS, RESTRICTIONS: Make applications only after cranberries have been harvested. Do not treat more than 10 percent of the total bog. Allow a minimum of 6 months after last application and next harvest of cranberries. Do not apply this product through the irrigation system. Do not make applications by air. Do not apply directly to water.

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Even though vines appear dormant, contact of the herbicide solution with desirable vegetation may result in damage or severe plant injury. Cranberry plants that are directly sprayed may be killed. Use nozzles that emit medium to large-sized droplets to minimize drift. The likelihood of crop injury occurring from the use of this product increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing, or when there are other meteorological conditions that favor spray drift. Avoid drift. Extreme care must be used when applying this product to avoid injury to desirable plants and crops.

11. SPOT-TREATMENT OF WEEDS IN DRY DITCHES IN CRANBERRY PRODUCTION AREAS

USE INSTRUCTIONS: Directed sprays may be used to control weeds growing in the interior and perimeter ditch areas of cranberry production areas. Hand-held sprayers or other appropriate application equipment listed under "APPLICATION EQUIPMENT AND TECHNIQUES" in the Roundup UltraMAX herbicide label booklet may be used. Drop water level to remove standing water in ditches prior to application. In hand-held sprayers, use 1 to 2 percent solution of Roundup UltraMAX herbicide on a volume-to-volume basis with water. Spray to wet vegetation, not to run-off.

PRECAUTIONS, RESTRICTIONS: For treatments after drawdown of water in dry ditches, allow 2 or more days after treatment before reintroduction of water to achieve maximum weed control. Apply this product within 1 day after drawdown to ensure application to actively growing weeds. Allow a minimum of 30 days between last application and harvest of cranberries. Do not apply this material through the irrigation system. Do not make applications by air. Do not apply directly to water.

Contact of the herbicide solution with desirable vegetation may result in damage or severe plant injury. Use nozzles that emit medium to large-sized droplets to minimize drift. The likelihood of crop injury occurring from the use of this product increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing, or when there are other meteorological conditions that favor spray drift. Avoid drift. Extreme care must be used when applying this product to avoid injury to desirable plants and crops.

12. ADDITION OF SURFACTANT FOR APPLICATIONS WITH ROUNDUP ULTRAMAX HERBICIDE

Although not generally required, surfactant may be added to spray solutions at water carrier volumes above 30 gallons per acre or application rates below 20 fluid ounces of is product per acre.

Nonionic surfactants which are labeled for use with herbicides may be used. Do not reduce rates of this product when adding surfactant. When adding additional surfactant, a rate of 0.25 to 0.5 percent surfactant concentration (1 to 2 quarts per 100 gallons of spray solution) when using surfactants which contain at least 70 percent active ingredient or a 1 percent

surfactant concentration (4 quarts per 100 gallons of spray solution) for those surfactants containing less than 70 percent active ingredient is recommended. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

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

DO NOT add buffering agents or pH adjusting agents to the spray solution when Roundup UltraMAX™ herbicide is the only pesticide used. **DO NOT ADD SURFACTANT TO THIS PRODUCT FOR APPLICATIONS OVER-THE-TOP OF ROUNDUP READY CROPS AND PREHARVEST TO COTTON.**

13. WIPER APPLICATIONS OF WEEDS IN PEPPERMINT AND SPEARMINT.

USE INSTRUCTIONS: This product may be used in wiper applications in peppermint and spearmint. For more information on wiper applications, see the "APPLICATION EQUIPMENT AND TECHNIQUES" section of the label booklet for Roundup UltraMAX herbicide.

Applicators should be adjusted so that the wiper contact point is at least 2 inches above the crop. Weeds should be a minimum of 6 inches taller than the crop. Better results may be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations, or when height of weeds varies so that not all weeds are contacted. In these instances, repeat treatments may be necessary. Better results may be obtained if 2 applications are made in opposite directions.

PRECAUTIONS, RESTRICTIONS: Contact of the herbicide solution with mint may result in damage or destruction. Allow at least 7 days between application and harvest. Sequential application may be made in the same area at 30-day intervals.

14. FOR WEED CONTROL PRIOR TO THE EMERGENCE OR TRANSPLANTING OF STRAWBERRIES

USE INSTRUCTIONS: This product controls annual and perennial weeds listed in the Roundup UltraMAX herbicide label prior to the emergence of strawberries. Apply up to 52 fluid ounces of this product per acre.

PRECAUTIONS, RESTRICTIONS: When applying this product prior to transplanting crops into plastic mulch, care must be taken to remove residues of this product, which could cause crop injury, from the plastic prior to transplanting. Residues can be removed by 0.5 inch application of water, either by natural rainfall or via a sprinkler system. Applications made at emergence will result in injury or death to emerged seedlings. Applications may be made 3 days before transplanting or planting.

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15. FOR PREHARVEST APPLICATIONS IN ALFALFA

USE INSTRUCTIONS: This product may be used in declining alfalfa stands or any stand of alfalfa where crop destruction is acceptable. This product will control labeled annual and perennial weeds, including quackgrass, when applied prior to the harvest of alfalfa. Use up to 1.6 quarts of this product per acre. Applications may be made at any time of the year.

For control of quackgrass, apply in the spring, late summer, or fall when quackgrass is actively growing. Control in western locations may require deep tillage following application.

For control of alfalfa, deep tillage may be required in western locations if alfalfa is drought stressed.

PRECAUTIONS, RESTRICTIONS: The treated crops and weeds can be harvested and fed to livestock. Allow a minimum of 36 hours between application and harvest. Make only one application to an existing stand of alfalfa per year. Do not use for alfalfa grown for seed.

16. FOR CUT STUMP APPLICATIONS IN SITE PREPARATION AND RENOVATION FOR TREE CROPS

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

Citrus Trees: Calamondin, Chironja, Citron, Citrus Hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin (Tangerine), Orange (All), Pummelo, Tangelo, Tangor

Fruit Trees: Apple, Apricot, Cherry (Sweet, Sour), Crabapple, Loquat, Mayhaw, Nectarine, Olive, Peach, Pear, Plum/Prune (All), Quince

Nut Trees: Almond, Beechnut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Macadamia, Pecan, Pistachio, Walnut (Black, English)

Apply this product using suitable equipment to ensure coverage of the entire cambium. Cut trees or resprouts close to the soil surface. Apply a 50 to 100 percent solution of this product to the freshly-cut surface immediately after cutting. Delays in application may result in reduced performance. For best results, applications should be made during periods of active growth and full leaf expansion.

PRECAUTIONS, RESTRICTIONS: Do not make cut stump applications when the roots of adjacent desirable trees may be grafted to the roots of the cut stump. Injury resulting from root grafting may occur in adjacent trees. In orchards, do not make cut stump applications

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for selective removal of individual trees within a desirable row or grove. Use cut stump applications only for complete removal of all orchard trees in one area.

17. FOR USE IN THE FOLLOWING MEDICINAL HERBS: BURDOCK, DANDELION, ECHINACEA, FEVERFEW, GOLDEN SEAL, STINGING NETTLE, ST. JOHNSWORT, VALERIAN, AND BLUE VERVAIN

For specific rates of application and instructions for control of various annual and perennial weeds, see the "Annual and Perennial Weeds Rate Tables" in the Roundup UltraMAX herbicide label booklet.

TYPES OF APPLICATIONS: Chemical fallow, preplant fallow beds, preplant, preemergence, post directed hooded applications and postharvest.

Chemical Fallow, Preplant Fallow Beds

USE INSTRUCTIONS: This product may be applied during the fallow period prior to planting or emergence of any crop listed on this label. This product may be used as a substitute for tillage to control annual weeds in fallow fields. Also, broadcast or spot treatments will control or suppress many perennial weeds in fallow fields.

Preplant, Preemergence

USE INSTRUCTIONS: This product may be applied before, during or after planting by direct seeding and prior to transplanting the crops listed above. Applications must be made prior to emergence of the crop.

PRECAUTIONS, RESTRICTIONS: Preplant applications must be made at least 3 days prior to transplanting. When applying this product prior to transplanting crops into plastic mulch, care must be taken to remove residues of this product from the plastic prior to transplanting. Residues can be removed by a single 0.5 inch application of water either by natural rainfall or via a sprinkler system. **EXTREME CARE MUST BE TAKEN TO ENSURE THAT THERE IS NO PART OF A SEED OR EMERGING SEEDLING CAPABLE OF BEING CONTACTED AND THAT THE SOIL IS TOTALLY COVERING THE SEED OR DEVELOPING SEEDLING AT APPLICATION. ENSURE THAT NO PART OF ANY SEED OR EMERGING SEEDLING IS CONTACTED BY HERBICIDE SOLUTION, SPRAY DRIFT OR MIST.**

For preemergence applications prior to the emergence of established perennial crops do not apply within one week prior to emergence of any plant part.

Post Directed Hooded Applications, Post-Harvest

USE INSTRUCTIONS: Post directed hooded applications of this product may be made to mulched or unmulched row middles after crop establishment.

This product may be applied after final harvest to control weeds, suppress regrowth of annual crops or for renovation of biennial or perennial crop beds. Higher rates may be

needed to control large weeds which were growing in the crop at the time of harvest.

PRECAUTIONS, RESTRICTIONS: Post directed applications may be made at a maximum of 1 quart per acre and a maximum of 1 application per growing season. Post directed and post-harvest applications must be made at least 14 days prior to planting the next crop. Do not harvest or feed treated vegetation. **EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF HERBICIDE SOLUTION, SPRAY, DRIFT OR MIST WITH FOLIAGE OR GREEN BARK OF TRUNK, BRANCHES, SUCKERS, FRUIT OR OTHER PARTS OF DESIRABLE PLANTS. CONTACT OF THIS PRODUCT WITH OTHER THAN MATURED BROWN BARK CAN RESULT IN SERIOUS CROP DAMAGE.**

Grower assumes all responsibility for crop losses from misapplication.

18. FOR USE AS A BANANACIDE IN BANANA PLANTINGS INFECTED WITH THE BANANA BUNCHY TOP VIRUS

NOTE: For control of the banana bunchy top virus, it is critical that the grower follow a strict control program involving monitoring for diseased plants, spraying to control the aphid vector, and destruction of all infected mats (or units). An infected plant may not show symptoms of the banana bunchy top virus for up to 125 days, therefore it is critical that the entire mat (or unit) containing the diseased plant be destroyed immediately.

USE INSTRUCTIONS: This product may be used to destroy banana plants infected with the Banana Bunchy Top Virus. Remove all fruit from the plants within the treatment area prior to treatment. Inject 1/25 fluid ounce (1 mL) of this product's concentrate per 2 to 3 inches of pseudostem diameter. Make the injection at least one foot above the ground, except for very small plants, which should be injected vertically into the top. Any subsequent regrowth must also be destroyed.

All plants and mats (or units) adjacent (within a 4-foot radius) to a treated mat shall be destroyed.

PRECAUTIONS, RESTRICTIONS: Do not apply more than 1/2 fluid ounce (15 mL) of this product's concentrate per mat (or unit). Do not harvest any fruit or plant materials from treated mats (or units) following injection. Do not allow livestock to consume treated plant materials. Following transplant of new banana plants into treated areas, allow plants to become established for 3 months before applying this product for general weed control.

19. FOR USE IN DORMANT ALFALFA

This product will control or suppress many weeds, including quackgrass, downy brome and cheatgrass in dormant alfalfa.

USE INSTRUCTIONS: Apply 6 to 10 ounces per acre of this product. Apply in the spring to alfalfa that is dormant. Applications should be made after spring temperatures have warmed enough to encourage resumption of weed growth, but prior to initiation of trifoliolate

leaf expansion of the alfalfa. Applications made after expansion of the first trifoliate leaf of the alfalfa will cause growth reduction and reduced crop yield.

PRECAUTIONS, RESTRICTIONS: Slight discoloration of the alfalfa may occur, but the alfalfa will regreen and regrow under moist soil conditions as effects of this product wear off. Do not use this product where a slight yield reduction in the first cutting of alfalfa cannot be tolerated.

Do not make more than one application per year. Allow 36 hours after application before grazing livestock or harvesting.

Do not use ammonium sulfate when spraying dormant alfalfa with Roundup UltraMAX.

Application of this product is limited to persons who have attended a Monsanto-approved training program. Application of this product can cause crop injury. Any crop injury is the sole responsibility of the applicator.

20. FOR THE CONTROL OF ANNUAL WEEDS IN COASTAL BERMUDAGRASS PASTURES PRIOR TO SPRING GROWTH OR IMMEDIATELY AFTER FIRST CUTTING

USE INSTRUCTIONS: This product may be applied at 13 ounces per acre to control the weeds listed below and most other winter annual grass and broadleaf weeds in established coastal bermudagrass pastures.

- | | |
|------------------------|-------------------|
| Annual bluegrass | Oats |
| Cheat | Ryegrass, Italian |
| Crabgrass | Sandbur, field |
| Henbit | Sunflower |
| Johnsongrass, seedling | Wheat |
| Little barley | Wild mustard |

Timing of Application: Applications prior to spring growth: Apply this product in the late winter or early spring but before new coastal bermudagrass growth begins in the spring. Applications to new growth can damage the bermudagrass.

PRECAUTIONS, RESTRICTIONS: Remove domestic livestock from the pasture before making the application. Wait 60 days after making this application before grazing or harvesting the treated area.

Applications following the first cutting: Apply this product after the first bermudagrass cutting when the bermudagrass has not yet begun to regrow. Applications made after regrowth has begun can damage the bermudagrass.

PRECAUTIONS, RESTRICTIONS: Remove domestic livestock from the pasture before making the application. Wait 28 days after making this application before grazing or harvesting the treated area.

NOTE: ONLY ONE APPLICATION PER YEAR MAY BE MADE TO ANY ONE FIELD. A SPRING APPLICATION PRIOR TO GROWTH AND AN APPLICATION FOLLOWING THE FIRST CUTTING MAY NOT BE MADE ON THE FIELD DURING THE SAME YEAR.

21. FOR USE ON TURFGRASS SOD PRODUCTION

USE INSTRUCTIONS: This product controls most existing vegetation prior to renovating turfgrass areas or establishing turfgrass grown for seed or sod. For maximum control of existing vegetation, delay planting or sodding to determine if any regrowth from escaped underground plant parts occurs. For warm-season grasses such as bermudagrass, summer or fall applications provide the best control.

Desirable turfgrasses may be planted following the above procedures.

Hand-held equipment may be used for spot treatment of unwanted vegetation growing in existing turfgrass. Broadcast or hand-held equipment may be used to control sod remnants or other unwanted vegetation after sod is harvested.

Do not feed or graze turfgrass grown for seed or sod production for 8 weeks following application.

Refer to the "ANNUAL WEED RATE TABLES" of the label booklet for Roundup UltraMAX herbicide for rates to use on the weeds that are present.

22. FOR POST-DIRECTED APPLICATIONS IN PINE TREES

TYPES OF APPLICATION: Post-directed, Trim-and-edge

USE INSTRUCTIONS: This product may be used as a post-directed spray around established woody species such as pine. Desirable plants may be protected from the spray solution by using shields or coverings made of cardboard or other impermeable material.

PRECAUTIONS, RESTRICTIONS: Care must be exercised to avoid contact of spray, drift or mist with foliage or green bark of established species. THIS PRODUCT IS NOT RECOMMENDED FOR USE AS AN OVER-THE-TOP BROADCAST SPRAY.

23. FOR SELECTIVE WEED CONTROL IN ROADSIDES AND GENERAL NONCROP AND INDUSTRIAL SITES

NOTE: Applications of this product should not contact leaves of desirable plants since foliar injury, discoloration or death may result.

GENERAL NONCROP AREAS AND INDUSTRIAL SITES

Use in areas such as airports, Christmas tree farms, ditch banks, dry ditches, dry canals, fence rows, industrial sites, lumber yards, manufacturing sites, parking areas, petroleum tank farms and pumping installations, railroads, recreational areas, roadsides, storage areas, utility substations, warehouse areas, other public areas, and similar industrial and noncrop sites.

General weed control, Trim-and-edge and Bare ground

This product may be used in general noncrop areas. It may be applied with any application equipment described in this label. This product may be used to trim-and-edge around objects in noncrop sites, for spot treatment of unwanted vegetation and to eliminate unwanted weeds growing in established shrub beds or ornamental plantings. This product may be used prior to planting an area to ornamentals, flowers, turfgrass (sod or seed), or prior to laying asphalt or beginning construction projects.

Repeated applications of this product may be used, as weeds emerge, to maintain bare ground.

This product may be tank mixed with the following products. Refer to these products' labels for approved noncrop sites and application rates.

- | | |
|-----------------|------------------|
| ARSENAL™ | PENDULUM® 3.3 EC |
| BANVEL™ | PENDULUM WDG |
| BARRICADE™ 65WG | PLATEAU™ |
| DIURON | PRINCEP™DF |
| ENDURANCE™ | PRINCEP LIQUID |
| ESCORT™ | RONSTAR™ 50WP |
| GARLON™ 3A | SAHARA™ |
| GARLON 4 | SIMAZINE |
| KARMEX® DF | SURFLAN™ |
| KROVAR™ I DF | TELAR™ |
| MANAGE® | VANQUISH™ |
| OUST™ | 2,4-D |

Banvel and 2,4-D tank mixtures may not be applied by air in California. When applied as a tank mixture for bare ground, this product provides control of the emerged annual weeds and control or partial control of emerged perennial weeds, woody brush and trees.

For control or partial control of the following perennial weeds, apply 1 to 2 quarts of this product plus 2 to 4 ounces of Oust per acre.

- | | |
|------------|--------------|
| Bahiagrass | Fescue, tall |
|------------|--------------|

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Bermudagrass	Johnsongrass
Broomsedge	Poorjoe
Dallisgrass	Quackgrass
Dock, curly	Vaseygrass
Dogfennel	Vervain, blue

Chemical Mowing—Perennials

This product will suppress perennial grasses listed in this section to serve as a substitute for mowing. Use 6.4 fluid ounces of this product per acre when treating tall fescue, fine fescue, orchardgrass or quackgrass covers. Use 5 fluid ounces of this product per acre when treating Kentucky bluegrass. Apply treatments in 10 to 40 gallons of spray solution per acre.

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

Chemical mowing—Annuals

For growth suppression of some annual grasses, such as annual ryegrass, wild barley and wild oats growing in coarse turf on roadsides or other industrial areas, apply 3 to 4 fluid ounces of this product in 10 to 40 gallons of spray solution per acre. Applications should be made when annual grasses are actively growing and before the seedheads are in the boot stage of development. Treatments may cause injury to the desired grasses.

Dormant Turfgrass

This product may be used to control or suppress many winter annual weeds and tall fescue for effective release of dormant bermudagrass and bahiagrass turf. Treat only when turf is dormant and prior to spring greenup.

Apply 6.4 to 51 fluid ounces of this product per acre. Apply the recommended rates in 10 to 40 gallons of water per acre. Use only in areas where bermudagrass or bahiagrass are desirable ground covers and where some temporary injury or discoloration can be tolerated.

Treatments in excess of 13 fluid ounces per acre may result in injury or delayed greenup in highly maintained areas, such as golf courses and lawns. DO NOT apply tank mixtures of this product plus Oust in highly maintained turfgrass areas. For further uses, refer to the "ROADSIDES" section of this label, which gives rates for dormant bermudagrass and bahiagrass treatments.

Actively Growing Bermudagrass

This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing bermudagrass. DO NOT apply more than 13 fluid ounces of this product per acre in highly maintained turfgrass areas. DO NOT apply tank mixtures of this product plus OUST in highly maintained turfgrass areas. For further uses, refer to the "ROADSIDES" section of this label, which gives rates for actively growing bermudagrass treatments. Use only in areas where some temporary injury or discoloration can be tolerated.

ROADSIDES

All of the instructions in the "GENERAL NONCROP AREAS AND INDUSTRIAL SITES" section apply to roadsides.

Shoulder treatments

This product may be used on road shoulders. It may be applied with boom sprayers, shielded boom sprayers, high-volume off-center nozzles, hand-held equipment, and similar equipment.

Guardrails and other obstacles to mowing

This product may be used to control weeds growing under guardrails and around signposts and other objects along the roadside.

Spot treatment

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

Tank mixtures

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

- | | |
|-----------------|----------------|
| BANVEL | PRINCEP LIQUID |
| DIURON | RONSTAR 50WP |
| ENDURANCE | SAHARA |
| ESCORT | SIMAZINE |
| KROVAR I DF | SURFLAN |
| OUST | TELAR |
| PENDULUM 3.3 EC | VANQUISH |
| PENDULUM WDG | 2,4-D |
| PRINCEP DF | |

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

Release of Bermudagrass or Bahiagrass

Dormant Applications

This product may be used to control or partially control many winter annual weeds and tall fescue for effective release of dormant bermudagrass or bahiagrass. Treat only when turf is dormant and prior to spring greenup. This product may also be tank-mixed with Oust for residual control. Tank mixtures of this product with Oust may delay greenup.

For best results on winter annuals, treat when plants are in an early growth stage (below 6 inches in height) after most have germinated. For best results on tall fescue, treat when fescue is at or beyond the 4 to 6-leaf stage.

Apply 6.4 to 51 fluid ounces of this product per acre alone or in a tank mixture with 1/4 to 1 ounce per acre of Oust. Apply the recommended rates in 10 to 40 gallons of water per acre. Use only in areas where bermudagrass or bahiagrass are desirable ground covers and where some temporary injury or discoloration can be tolerated. To avoid delays in greenup and minimize injury, add no more than 1 ounce of Oust per acre on bermudagrass and no more than 0.5 ounce of Oust per acre on bahiagrass and avoid treatments when these grasses are in a semi-dormant condition.

Actively Growing Bermudagrass

This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing bermudagrass. Apply 13 to 38 fluid ounces of this product in 10 to 40 gallons of spray solution per acre. Use the lower rate when treating annual weeds below 6 inches in height (or runner length). Use the higher rate as weeds increase in size or as they approach flower or seedhead formation. These rates will also provide partial control of the following perennial species:

Bahiagrass	Johnsongrass
Bluestem, silver	Trumpetcreeper
Fescue, tall	Vaseygrass

This product may be tank-mixed with Oust. If tank-mixed, use no more than 13 to 26 fluid ounces of this product with 1 to 2 ounces of Oust per acre. Use the lower rates of each product to control annual weeds less than 6 inches in height (or runner length) that are listed in this label and the Oust label. Use the higher rates as annual weeds increase in size and approach the flower or seedhead stages. These rates will also provide partial control of the following perennial weeds:

Bahiagrass	Fescue, tall
Bluestem, silver	Johnsongrass
Broomsedge	Poorjoe
Dallisgrass	Trumpetcreeper
Dock, curly	Vaseygrass
Dogfennel	Vervain, blue

Use only on well-established bermudagrass. Bermudagrass injury may result from the treatment, but regrowth will occur under moist conditions. Repeat applications of the tank mix in the same season are not recommended, since severe injury may occur.

Actively Growing Bahiagrass

For suppression of vegetative growth and seedhead inhibition of bahiagrass for approximately 45 days, apply 5 fluid ounces of this product in 10 to 40 gallons of water per acre. Apply 1 to 2 weeks after full greenup or after mowing to a uniform height of 3 to 4 inches. This application must be made prior to seedhead emergence.

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For suppression up to 120 days, apply 3 fluid ounces of this product per acre, followed by an application of 1.5 to 3 fluid ounces per acre about 45 days later. Make no more than 2 applications per year.

A tank mixture of this product plus Oust may be used. Apply 5 fluid ounces of this product plus 0.25 ounce of Oust per acre 1 to 2 weeks following an initial spring mowing. Make only one application per year.

24. FOR WEED CONTROL IN RAILROADS

USE INSTRUCTIONS

Bare Ground, Ballast And Shoulders, Crossings, And Spot Treatment

This product may be used to maintain bare ground on railroad ballast and shoulders. Repeat applications of this product may be used, as weeds emerge, to maintain bare ground. This product may be used to control tall-growing weeds to improve line-of-sight at railroad crossings and reduce the need for mowing along rights-of-way. For crossing applications, up to 80 gallons of spray solution per acre may be used. This product may be tank mixed with the following products for ballast, shoulder, spot, bare ground and crossing treatments:

ARSENAL™
BANVEL™
DIURON
ESCORT™
GARLON™ 3A
GARLON 4
HYVAR™ X

KROVAR™ I DF
OUST™
SAHARA™
SPIKE™
TELAR™
VANQUISH™
2,4-D

Brush Control

This product may be used to control woody brush and trees on railroad rights-of-way. Apply 3 to 8 quarts of this product per acre as a broadcast spray, using boom-type or boomless nozzles. Up to 80 gallons of spray solution per acre may be used. Apply a 2/3 to 1.6 percent solution of this product when using high-volume spray-to-wet applications. Apply a 4 to 8 percent solution of this product when using low volume directed sprays for spot treatment. This product may be mixed with the following products for enhanced control of woody brush and trees:

ARSENAL
ESCORT
GARLON 3A

GARLON 4
TORDON™ K

Bermudagrass Release

This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing bermudagrass. Apply 13 to 38 fluid ounces of this product in up to 80 gallons of spray solution per acre. Use the lower rate when treating

annual weeds below 6 inches in height (or runner length). Use the higher rate as weeds increase in size or as they approach flower or seedhead formation. These rates will also provide partial control of the following perennial species:

Bahiagrass	Johnsongrass
Bluestem, silver	Trumpetcreeper
Fescue, tall	Vaseygrass

This product may be tank-mixed with Oust. If tank-mixed, use no more than 13 to 38 fluid ounces of this product with 1 to 2 ounces of Oust per acre. Use the lower rates of each product to control annual weeds less than 6 inches in height (or runner length) that are listed in this label and the Oust label. Use the higher rates as annual weeds increase in size and approach the flower or seedhead stages. These rates will also provide partial control of the following perennial weeds:

Bahiagrass	Fescue, tall
Blackberry	Johnsongrass
Bluestem, silver	Poorjoe
Broomsedge	Raspberry
Dallisgrass	Trumpetcreeper
Dewberry	Vaseygrass
Dock, curly	Vervain, blue
Dogfennel	

Use only on well-established bermudagrass. Bermudagrass injury may result from the treatment, but regrowth will occur under moist conditions. Repeat applications in the same season are not recommended, since severe injury may occur.

25. FOR USE IN PASTURES FOR HAWAII ONLY

This product may be used in Hawaiian pastures, including kikuya grass, pangola grass and guineagrass pastures. Spot treatment, wiper application, preplant, preemergence and pasture renovation applications may be made.

TYPES OF APPLICATION: Preplant, preemergence and pasture renovations, spot treatment.

Preplant, preemergence and pasture renovation

PRECAUTIONS, RESTRICTIONS: When applied prior to planting or emergence of forage grasses or as a direct application to the listed perennial pasture species, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

Spot treatment

USE INSTRUCTIONS: This product may be applied as a spot treatment or with wiper applicators in pastures. Applications may be made in the same area at 30-day intervals.

PRECAUTIONS, RESTRICTIONS: For spot treatment and wiper applications, apply in areas where the movement of domestic livestock can be controlled. No more than one-tenth of any acre should be treated at one time. Remove domestic livestock before application and wait 14 days after application before grazing livestock or harvesting.

See the Weed Control Tables in the label booklet for Roundup UltraMAX for information about rates and timings for specific weeds.

26. FOR NONSELECTIVE CONTROL OF LISTED ANNUAL WEEDS IN SMALL GRAIN CROPPING SYSTEMS. (FOR DISTRIBUTION AND USE ONLY WITHIN SOUTH DAKOTA.)

USE INSTRUCTIONS: Refer to the Roundup UltraMAX label for rate recommendations and weeds controlled. For ground applications, use 3 to 5 gallons of water per acre. For aerial applications, use 2 to 3 gallons of water per acre.

ATTENTION:

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

Do not allow the herbicide solution to mist, drip, drift, or splash onto desirable vegetation since minute quantities of this herbicide can cause severe damage or destruction to the crop, plants or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product is greatest when winds are gusty or in excess of 5 miles per hour or when other conditions, including lesser wind velocities, will allow spray drift to occur. When spraying, avoid combinations of pressure and nozzle type that will result in splatter of fine particles (mist) which are likely to drift. **AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.**

NOTE:

- To prevent injury to adjacent desirable vegetation, appropriate buffer zones must be maintained.
- Adjust boom height on ground equipment to prevent streaked, overlapped or uneven applications. Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense spray as fine spray droplets.
- In aerial applications, do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure.
- Ensure uniform application. Use appropriate marking devices when applying herbicides by air.
- Avoid spraying when weeds are subject to moisture stress, when dust is on foliage, or when straw canopy covers the weeds.
- Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residue of the product accumulated during spraying or from spills. **PROLONGED**

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EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF PART. LANDING GEAR ARE MOST SUSCEPTIBLE. The maintenance of an organic coating (paint) which meets aerospace specification ML -C-38413 may prevent corrosion.

27. ADDITION OF SURFACTANT FOR APPLICATIONS WITH ROUNDUP ULTRAMAX HERBICIDE (Arizona Only)

Although not generally required, surfactant may be added to this product. However, surfactant addition is recommended at water carrier volumes above 30 gallons per acre or rates below 20 fluid ounces per acre.

Nonionic surfactants which are labeled for use with herbicides may be used. Do not reduce rates of this product when adding surfactant. When adding additional surfactant, a rate of 0.25 to 0.50 percent surfactant concentration (1 to 2 quarts per 100 gallons of spray solution) when using surfactants which contain at least 70 percent active ingredient or a 1 percent surfactant concentration (4 quarts per 100 gallons of spray solution) for those surfactants containing less than 70 percent active ingredient is recommended. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

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

DO NOT add buffering agents or pH adjusting agents to the spray solution when Roundup UltraMAX™ herbicide is the only pesticide used. **DO NOT ADD SURFACTANT TO THIS PRODUCT FOR APPLICATIONS OVER-THE-TOP OF ROUNDUP READY CROPS AND PREHARVEST TO COTTON.**

28. FOR 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.

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

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

Applications should typically be made with the nozzle release point at 8 to 15 feet above the top of the target plants unless a greater height is required for aircraft safety.

The distance of the outermost nozzles on the boom must not exceed 75 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 back-ward parallel with the air stream and never discharge downwards more than 45 degrees on fixed wing aircraft or forward of the prevailing air flow on rotary winged aircraft. Avoid the use of nozzles with wide angle discharge.

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

Do not apply when there is a low-level inversion where fine spray particles could be suspended in still air and move outside the target area when the inversion layer moves. These conditions may occur when wind speeds are less than 2 miles per hour.

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

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

29. FOR AERIAL APPLICATION IN CALIFORNIA ONLY

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

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

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF THE SPRAY WITH FOLIAGE, GREEN STEMS, OR FRUIT OF DESIRABLE CROPS (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY® CROPS), PLANTS, TREES OR OTHER DESIRABLE VEGETATION, SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.

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

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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 Roundup Ready corn and cotton. Refer to the supplemental labels for Roundup Ready corn and Roundup Ready cotton for specific application instructions for over-the-top applications in these crops.
4. Preharvest in alfalfa, corn, cotton, wheat, Roundup Ready corn and Roundup Ready cotton. Refer to the Roundup UltraMAX herbicide booklet or supplemental label for Roundup Ready corn and Roundup Ready cotton 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.

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.

DO NOT EXCEED A MAXIMUM RATE OF 52 FLUID OUNCES PER ACRE OF THIS PRODUCT WHEN MAKING APPLICATIONS BY AIR IN FALLOW AND REDUCED TILLAGE SYSTEMS AND ALFALFA AND PASTURE RENOVATION APPLICATIONS. THIS RESTRICTION ALSO APPLY'S TO PREHARVEST COTTON AND PREHARVEST TO ROUNDUP READY COTTON APPLICATIONS.

DO NOT EXCEED A MAXIMUM RATE OF 26 FLUID OUNCES PER ACRE OF THIS PRODUCT WHEN MAKING APPLICATIONS BY AIR IN ALFALFA, CORN, WHEAT AND ROUNDUP READY CORN PRIOR TO HARVEST. THIS RESTRICTION ALSO APPLY'S TO OVER-THE-TOP APPLICATIONS IN ROUNDUP READY CORN AND ROUNDUP READY COTTON.

Aerial Equipment

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

AVOID DRIFT—DO NOT APPLY WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITION WHICH FAVORS DRIFT. DRIFT MAY CAUSE DAMAGE

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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.

Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense spray as fine spray droplets. Do not angle nozzles forward into the air-stream 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.

30. FOR AERIAL APPLICATION IN FRESNO COUNTY, CALIFORNIA ONLY
From February 15 through March 31 Only

Applicable Area

This supplement 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 "FOR AERIAL APPLICATION IN CALIFORNIA ONLY" supplemental label.

NEXT

LABEL

524-512

05/10/2001

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SUPPLEMENTAL LABELING

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

"Label" as used in this supplemental labeling refers to the label booklet for Roundup UltraMAX herbicide and this supplement.

ROUNDUP ULTRAMAX™
Herbicide by Monsanto

EPA Reg. No. 524-512

ACCEPTED
MAY 10 2001
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-512

Preplant (Site Preparation), Directed Sprayers, Shielded Sprayers, Wiper Applicators in Tree, Vine, and Berry crops

Keep out of reach of children.

CAUTION!

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

™ Roundup UltraMAX is a trademark of Monsanto Company.

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 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", "MIXING", "ANNUAL WEED RATE TABLE", and "PERENNIAL WEED RATE TABLE" sections of the label booklet for Roundup UltraMAX herbicide for essential product performance information.

1 Tree Crops

1.1 Citrus Crops

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

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

1.2 Pome Crops

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

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in pome crops.

1.3 Stone Fruit Crops

LABELED CROPS: Apricot, Cherry (Sweet, Tart), Nectarine, Olive, Peach, Plum/Prune (All types), Plumcot.

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 17 days between last application and harvest in stone fruit crops. See the "Tree Fruits" section of the label booklet for Roundup UltraMAX Herbicide for additional precautions and restrictions for stone fruit crops. For olive groves, apply as directed sprays only.

1.4 Tropical and Subtropical Tree Fruits

LABELED CROPS: Ambarella, Atemoya, Avocado, Banana, Biriba, Blimbe, Breadfruit, Canistel, Carambola (Starfruit), Cherimoya, 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, Papaya, Pawpaw, Plantain, Persimmon, Pomegranate, Pulasan, Rambutan, Rose apple, Sapodilla, Sapote (black, mamey, white), Spanish lime, Soursop, Star apple, Sugar apple, Surinam cherry, Tamarind, Wax jambu.

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in banana, guava, papaya, and plantain crops. Allow a minimum of 14 days between last application and harvest for any other tropical or subtropical tree fruit.

1.5 Other Tree Crops

LABELED CROPS: Christmas trees, Cactus (fruit and pads), Eucalyptus, Palm (heart, leaves), Palm (oil), Poplar.

2 Vine Fruits

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

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 14 days between last application and harvest in vine crops.

3 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).

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 3 days between last application and harvest in nut crops.

4 Small Fruits and Berries

LABELED CROPS: Blackberry (including Bingleberry, Black satin berry, Boysenberry, Cherokee blackberry, Chester berry, Cheyenne blackberry, Coryberry, Darrowberry, Dewberry, Dirksen thornless

berry, Hinalayaberry, Hullberry, Juneberry, Lavacaberry, Lingonberry, Lowberry, Lucretiaberry, Marionberry, Nectarberry, Olallieberry, Oregon evergreen berry, Phenomenalberry, Rangeberry, Ravenberry, Shawnee blackberry, and Youngberry), Blueberry, Cranberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Raspberry (Black, Red), Salal.

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 30 days between last application and harvest in cranberries. Allow a minimum of 14 days between last application and harvest in other berry crops. To avoid damage, herbicide sprays must not be allowed to contact desirable vegetation, including green shoots, canes, or foliage.

TREATMENT RECOMMENDATIONS

TYPES OF APPLICATIONS:

Preplant (site preparation) broadcast sprays, Broadcast sprays in "middles" (between rows of trees or bushes), Shielded sprayers, Directed sprays, Spot treatments, Wiper treatments.

USE INSTRUCTIONS:

This product may be applied in middles (between rows of trees or vines), strips (within rows of trees or vines), and for general 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 13 fluid ounces to 4 quarts per acre according to the rates specified in the "Weeds Controlled" section of the label. Repeat applications may be made up to a maximum of 8.6 quarts per acre per year. The maximum use rates stated throughout this product's labeling apply to this product combined with the use of all other herbicides containing glyphosate or sulfosate as the active ingredient, whether applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other glyphosate or sulfosate containing products does not exceed stated maximum use rate.

For berry crops, hooded or shielded sprayers must be fully enclosed including top, sides, front and back. Use only hoods designed to minimize excessive dripping or run-off down the insides of the hoods. This may be accomplished by using a single nozzle at the top center of the hood with an 80 to 95 degree spray angle, low pressure/low drift flat fan nozzle which produces droplets of 400-600 microns in diameter. Spray volume should be 20-30 gallons per acre. Hoods should be used such that the sides contact the ground, eliminating escape of spray droplets.

PRECAUTIONS, RESTRICTIONS:

Avoid contact of herbicide with foliage, green stems, exposed non-woody roots, or fruit of crops and trees because severe injury or destruction may result. Only shielded or directed sprayers may be used in crops with potential for contact, and then only where there is sufficient clearance. For applications in strips (within rows of trees), only selective equipment (directed sprays, hooded sprayers, shielded applicators, or wipers) should be used to minimize the potential for leakage or drift of herbicide sprays onto crop. Only wipers or shielded applicators capable of preventing all contact with crop may be used. See "Application Equipment and Techniques" Section of the label booklet for Roundup UltraMAX herbicide for additional information.

See the "Tree and Vine Crops (General)" Section of the label booklet for other use specific recommendations and precautions.

NEXT

LABEL

524-512

5/10/2001

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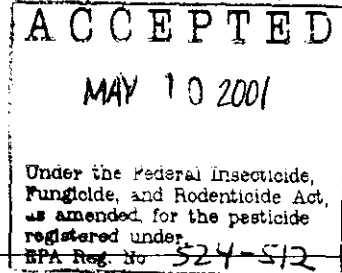
SUPPLEMENTAL LABELING

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

"Label" as used in this supplemental labeling refers to the label booklet for Roundup UltraMAX herbicide and this supplement.

ROUNDUP ULTRAMAX™
Herbicide by Monsanto

EPA Reg. No. 524-512



Chemical Fallow, Preplant Fallow Beds, Preplant, Pre-emergence, At-Planting, Hooded Sprayers, Shielded Sprayers, Wiper Applicators, and Post-harvest Treatments in Food Crops

Keep out of reach of children.

CAUTION!

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

™ Roundup UltraMAX is a trademark of Monsanto Company.

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 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", "MIXING", "ANNUAL WEED RATE TABLE", and "PERENNIAL WEED RATE TABLE" sections of the label booklet for Roundup UltraMAX herbicide for essential product performance information.

1 Cereal and Grain Crops

LABELED CROPS: Barley, Buckwheat, Corn (All types), Millet (Pearl, Proso), Oats, Popcorn, Rice, Rye, Quinoa, Sorghum (milo), Teff, Teosinte, Triticale, Wheat (All types), Wild rice.

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

NOTE: See the label booklet for Roundup UltraMAX herbicide and other supplemental labeling for additional use instructions in cereal and grain crops.

2 Vegetable Crops

2.1 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 broccolo, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens.

2.2 Bulb Vegetables

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

2.3 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.

PRECAUTIONS, RESTRICTIONS: For the following crops, avoid applications close to seeding and during the period between seeding and emergence to minimize the risk of injury. Allow at least 3 days between application and planting of 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.

2.4 Leafy Vegetables

LABELED CROPS: Amaranth (Chinese spinach), Arugula (roquette), Beet greens, Cardoon, Celery, Chinese celery, Celtuce, Chaya, Chervil, Edible-leaved chrysanthemum, Garland chrysanthemum, Corn salad, Cress (garden and upland), Dandelion, Dock (sorrel), Dokudami, Endive (escarole), Florence fennel, Gow kee, Lettuce (head and leaf), Orach, Parsley, Purslane (garden and winter), Radicchio (red chicory), Rhubarb, Spinach, New Zealand spinach, Vine spinach, Swiss chard, Watercress (upland), Water spinach.

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

2.5 Fruiting Vegetables

LABELED CROPS: Eggplant, Groundcherry (Physalis spp), Pepino, Pepper (includes Bell pepper, Chili pepper, Cooking pepper, Pimento, Sweet pepper), Tomatillo, Tomato

PRECAUTIONS, RESTRICTIONS: For the following crops, avoid applications close to seeding and during the period between seeding and emergence to minimize the risk of injury. Allow at least 3 days between application and planting of eggplant, ground cherry, pepper (all), and tomatillo.

2.6 Legume Vegetables (succulent or dried)

LABELED CROPS: Bean (Lupinus: includes Grain lupin, Sweet lupin, White lupin, and White sweet lupin), Bean (Phaseolus: includes Field bean, Kidney bean, Lima bean, Navy bean, Pinto bean, Runner bean, Snap bean, Tepary bean, Wax bean), Bean (Vigna: includes Adzuki bean, Asparagus bean, Blackeyed pea, catjang, Chinese longbean, Cowpea, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea, Urd bean, Yardlong bean), Broad bean (fava), Chickpea (garbanzo), Guar, Jackbean, Lablab bean, Lentil, Pea (Pisum: includes Dwarf pea, Edible-podded pea, English pea, Field pea, Garden pea, Green pea, Snowpea, Sugar snap pea), Pigeon pea, Soybean, Soybean (immature seed), Sword bean.

2.7 Root and Tuber Vegetables

LABELED CROPS: Arracacha, Arrowroot, Chinese artichoke, Jerusalem artichoke, Beet (garden), Sugar beet, 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, Parsnip, Potato, Radish, Oriental Radish, Rutabaga, Salsify, Black salsify, Spanish salsify, Skirret, Sweet potato, Tanier, Turmeric, Turnip, Wasabi, Yacon, Yam bean, True yam.

2.8 Other vegetables

LABELED CROPS: Asparagus, Globe Artichoke, Okra.

3 Animal Feeds and Pasture Crops

3.1 Grasses

LABELED CROPS: Gramineae family (including Bahiagrass, Bermuda grass, Bluegrass, Bromegrass, Fescue, Guinea grass, Kikuya grass, Orchardgrass, Pangola grass, Ryegrass, Timothy, Wheat grass).

PRECAUTIONS, RESTRICTIONS: Remove domestic animals before treatment.

NOTE: See the label booklet for Roundup UltraMAX herbicide and other supplemental labeling for additional use instructions application timings in grass and pasture crops.

3.2 Non-Grass Animal Feeds

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

PRECAUTIONS, RESTRICTIONS: Remove domestic animals before treatment.

NOTE: See the label booklet for Roundup UltraMAX herbicide and other supplemental labeling for additional use instructions and application timings in non-grass feed crops.

4 Oil seed crops

LABELED CROPS: Borage, Buffalo Gourd (seed), Canola, Cotton, Crambe, Flax, Jojoba, Lesquerella, Meadowfoam, Mustard (seed), Rape, Safflower, Sesame, Soybean, Sunflower.

NOTE: See the label booklet for Roundup UltraMAX herbicide and other supplemental labeling for additional use instructions and application timings in specific oil seed crops.

5 Tropical and Miscellaneous crops

LABELED CROPS: Aloe vera, Bamboo shoots, Barbados Cherry (acerola), Cacao (cocoa) beans, Coffee, Peanut (groundnut), Pineapple, Sugarcane, Sugar beet, Strawberry, Tea, Ti (roots and leaves).

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 28 days between last application and harvest in coffee crops. Do not feed or graze treated pineapple forage following application.

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, 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, 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.

7 Fallow Systems

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

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 30 days between last application and planting of any crop not appearing on this label. See the "Fallow Systems" section of the Roundup UltraMAX label booklet for additional use instructions.

TREATMENT RECOMMENDATIONS

TYPES OF APPLICATIONS:

Chemical Fallow, Preplant Fallow Beds, Preplant, Preemergence, At-Planting, Hooded Sprayers in rows, Shielded Sprayers in rows, Wiper Applicators in rows, and Post-harvest Treatments

USE INSTRUCTIONS:

This product may be applied during fallow intervals preceding planting, prior to planting or transplanting, at-planting, or preemergent to annual and perennial crops listed in this label. Post-directed hooded or shielded sprayers may be used in mulched or unmulched row middles after crop establishment. Wiper applicators may be used to control weeds in row middles where any dripping or leaking will not contact crop foliage. Apply 13 fluid ounces to 4 quarts per acre according the rates specified in the "Weeds Controlled" section of the label. Repeat applications may be made up to a maximum of 6.5 quarts per acre per year. The maximum use rates stated throughout this product's labeling apply to this product combined with the use of all other herbicides containing glyphosate or sulfosate as the active ingredient, whether applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other glyphosate or sulfosate containing products does not exceed stated maximum use rate.

Hooded or shielded sprayers must be fully enclosed including top, sides, front and back. Use only hoods designed to minimize excessive dripping or run-off down the insides of the hoods. This may be accomplished by using a single nozzle at the top center of the hood with an 80 to 95 degree spray angle. low pressure/low drift flat fan nozzle which produces droplets of 400-600 microns in diameter. Spray volume should be 20-30 gallons per acre. Hoods should be ran so that the sides contact the ground, eliminating escape of spray droplets.

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PRECAUTIONS, RESTRICTIONS:

Avoid contact of herbicide with foliage, green shoots or stems, bark, exposed roots, including those emerging from plastic mulch, or fruit of crops because severe injury or destruction may result. Applications made at emergence will result in injury or death to emerged seedlings. Shielded or hooded sprayers and wiper equipment capable of preventing all crop contact with herbicide solutions may be used only in row middles when such equipment can be operated without leakage of spray mists or dripping onto crop. Unless otherwise specified in this products labeling, treatments with wipers, hooded sprayers, and shielded sprayers must be made at least 14 days prior to harvest. Post-harvest or fallow applications must be made at least 30 days prior to planting any non-labeled crop. See "Application Equipment and Techniques" Section of the label booklet for Roundup UltraMAX herbicide for additional information.

When making preemergence and at planting applications, apply before seed germination in course sandy soils to minimize the risk of injury.

Residues of this product remaining on plastic mulch could cause injury in transplanted crops. Take care to remove such residues prior to transplanting. Residues can be removed by a single 0.5 inch application of water, either by natural rainfall or via a sprinkler system.

Crop injury is possible with these applications and shall be the sole responsibility of the applicator.

NEXT

LABEL

524-512

5/10/2001

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SUPPLEMENTAL LABELING

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

"Label" as used in this supplemental labeling refers to the label booklet for Roundup UltraMAX herbicide and this supplement.

Roundup UltraMAX Herbicide logo

EPA Reg. No. 524-512

FOR CONTROLLING BARNYARDGRASS (*ECHINOCHLOA CRUS-GALLI*) IN RICE USING RENOVATION TREATMENTS IN CALIFORNIA ONLY

Keep out of reach of children.

CAUTION!

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

Roundup® and Roundup Ready® are registered trademarks and Roundup UltraMAX is a trademark of Monsanto Company.

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 the herbicide application.

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

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

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF THE SPRAY WITH FOLIAGE, GREEN STEMS, OR FRUIT OF DESIRABLE CROPS (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY CROPS), PLANTS, TREES OR OTHER DESIRABLE VEGETATION, SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.

RECOMMENDATIONS

Renovation Treatment

USE INSTRUCTIONS: This product may be applied as a renovation treatment in rice crops to control barnyardgrass infestations using ground broadcast spray or hand-held equipment. Renovation is defined as herbicide treatment that will produce crop and weed destruction in an entire field or contiguous area treated within a field. Follow the application methods and recommended treatment rates in the label booklet for Roundup UltraMAX herbicide.

PRECAUTIONS, RESTRICTIONS:

The crop receiving spray in the treated area will be killed. Take care to avoid drift or spray outside target area for the same reason. The rice straw and stubble from the treated area, including a 25 foot buffer zone on all sides, shall not be used for grazing, animal bedding or any feed purposes.

No Aerial applications are permitted for rice renovation using this supplemental label..

Read the "LIMIT OF WARRANTY AND LIABILITY" in the label for Roundup UltraMAX herbicide before using this product. Those terms apply to this supplemental labeling and if those terms are not acceptable, return the product unopened at once.

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MONSANTO COMPANY
ST. LOUIS, MISSOURI 63167

ACCEPTED
MAY 10 2001
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-512