

SUPPLEMENTAL LABELING

READ THE ENTIRE LABEL FOR ROUNDUP® 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, container labels and this supplement.

Roundup Herbicide

EPA Reg. No. 524-445

FOR POSTEMERGENCE APPLICATIONS TO SOYBEAN VARIETIES WITH THE**ROUNDUP READY® GENE**

Keep out of reach of children.

WARNING! AVISO!

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

Roundup® and Roundup Ready® Gene are registered trademarks of Monsanto Company.
Roundup Ready™ 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.

See "GENERAL INFORMATION" and "MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS" sections of the label booklet for Roundup® herbicide for essential product performance information.

General Information**FOR POSTEMERGENCE APPLICATION ONLY ON SOYBEAN VARIETIES WHICH HAVE THE ROUNDUP READY® GENE.**

- Applying this product to soybean varieties 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.
- Roundup Ready varieties must be purchased from an authorized seed supplier. Crop safety and weed control performance are not warranted by Monsanto when this product is used in conjunction with "brown bag" or "bin run" soybean seed saved from previous year's production and replanted.
- The Roundup Ready designation indicates that the soybean contains a patented gene which provides tolerance to Monsanto's Roundup brand herbicides. Information on Roundup Ready soybeans may be obtained from your seed supplier or Monsanto representative.

ACCEPTED

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 524-445

Application Instructions

This product may be applied postemergence to Roundup Ready soybeans from the cracking stage through the full flowering stage.

Allow a minimum of 14 days between application and harvest of soybeans.

Maximum Allowable Yearly Rates

- **Preplant:** Maximum amount of this product which can be applied prior to crop emergence is 5 quarts/A.
- **In-crop:** Maximum combined total of single or multiple in-crop applications from cracking to flowering is ~~23~~ quarts/A, ~~and the maximum rate for any single in-crop application is 2 quarts/A.~~
- **Preharvest:** Maximum amount of this product that can be applied after loss of green color in soybean pods until 14 days before harvest is 1 quart/A. ~~The combined total of preharvest and in-crop applications may not exceed 3 quarts/A.~~
- **Cropping Season:** Combined total per year for all applications may not exceed 8 quarts/A.

When applied as directed, this product will control labeled annual grasses and broadleaf weeds in Roundup Ready soybeans. Many perennial grasses and broadleaf weeds will be controlled or suppressed with one or more applications of this product.

There are no rotational crop restrictions following applications of 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 proper nozzle and spray pressure to avoid spraying a fine mist. For best results with ground application equipment, use nozzles which provide a flat fan pattern. 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 1 quart of this product per acre. 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.

AERIAL APPLICATIONS ON ROUNDUP READY SOYBEANS, MAY BE MADE ONLY IN THE FOLLOWING STATES: ALABAMA, ARKANSAS, FLORIDA, GEORGIA, KANSAS, LOUISIANA, MISSISSIPPI, MISSOURI (BOOT-HEEL ONLY), NORTH CAROLINA, OKLAHOMA, SOUTH CAROLINA, TENNESSEE AND TEXAS.

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ANNUAL WEED RATE TABLES

The following rate recommendations will provide control of labeled grasses and broadleaf weeds in conventional and no-till soybean production systems. Refer to the label booklet for rate recommendations for specific annual weeds.

Tank mixtures with other herbicides are not recommended due to potential for crop injury and/or weed antagonism and to rotational crop restrictions of the tank mix partner.

This product may be used up to 64 fluid ounces per acre in any single application for control of annual weeds, where heavy weed densities exist.

NOTE: In no-till and stale seedbed systems, always burn down existing weeds before soybeans emerge. Apply a preplant burn-down treatment of 16-64 fluid ounces per acre of this product.

MIDWEST RECOMMENDATIONS

Narrow row or drilled soybeans: A single in-crop application of this product will provide effective control of labeled weeds.

<u>Weed Height (inches)</u>	<u>Rate (fl oz/A)</u>
3-6	24
6-12	32
12-18	48

Under adverse growing conditions such as drought, hail, wind damage or a poor soybean stand that slows or delays canopy closure, a sequential application of this product at 16-32 fluid ounces per acre may be necessary to control late flushes of weeds.

Wide row soybeans: A single in-crop application of this product will provide effective control of initial stand of labeled weeds. If new flushes of weeds occur, they can be controlled by sequential applications of this product.

Initial Treatment

<u>Weed Height (inches)</u>	<u>Rate (fl oz/A)</u>
3-6	24
6-12	32
12-18	48

Sequential Application*

<u>Weed Height (inches)</u>	<u>Rate (fl oz/A)</u>
1-3	16
3-6	24
6-12	32

*Combined total application in-crop not to exceed 64 fluid ounces per acre.

For morningglory, black nightshade, groundcherry, and Pennsylvania smartweed apply:

<u>Weed Height (inches)</u>	<u>Rate (fl oz/A)</u>
1-3	24
3-6	32
6-12	48

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Giant ragweed: Apply 32 fl oz/A when the weed is 8-12" tall to avoid the need for sequential application.

Some weeds, such as black nightshade, woolly cupgrass, shattercane, wild proso millet, burcucumber, and giant ragweed, with multiple germination times may require a sequential application of this product. Suppressed or stunted weeds may also require sequential applications. Sequential applications should be made after some regrowth has occurred. Use a minimum of 16 fluid ounces of this product per acre for sequential applications. The combined total of all in-crop postemergence treatments must not exceed ~~6496~~ fluid ounces per acre.

MID-ATLANTIC/SOUTHEAST RECOMMENDATIONS

Narrow row or drilled soybeans: A single in-crop application of this product will provide effective control of labeled weeds.

Weed Height (inches)	Rate (fl oz/A)
3-6	24
6-12	32
12-18	48

Under adverse growing conditions such as drought, hail, wind damage or a poor soybean stand that slows or delays canopy closure, a sequential application of this product at 16-32 fluid ounces per acre may be necessary to control late flushes of weeds.

Wide row soybeans: A single in-crop application of this product will provide effective control of initial stand of labeled weeds. If new flushes of weeds occur, they can be controlled by sequential applications of this product.

Initial Treatment

Weed Height (inches)	Rate (fl oz/A)
3-6	24
6-12	32
12-18	48

Sequential Application*

Weed Height (inches)	Rate (fl oz/A)
1-3	16
3-6	24
6-12	32

*Combined total application not to exceed ~~6496~~ fluid ounces per acre.

Hemp sesbania: Apply 24 fl oz/A at 0-2" tall; 32 fl oz/A at 2-4" tall; 40 fl oz/A at 4-6" tall; 48 fl oz/A at 6-8" tall.

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For morningglory, black nightshade, groundcherry, and Pennsylvania smartweed apply:

Weed Height (inches)	Rate (fl oz/A)
1-3	24
3-6	32
6-12	48

Some weeds, such as black nightshade, broadleaf signalgrass, Texas panicum, burcumber, and sicklepod, with multiple germination times may require a sequential application of this product. Suppressed or stunted weeds may also require sequential applications. Sequential applications should be made after some regrowth has occurred. Use a minimum of 16 fluid ounces of this product per acre for sequential applications. The combined total of all in-crop postemergence treatments must not exceed 6496 fluid ounces per acre.

DELTA/MID-SOUTH RECOMMENDATIONS

Narrow row or drilled soybeans: An in-crop application of this product will provide effective control of initial stand of labeled weeds. A sequential application will be required to control new flushes of weeds.

Wide row soybeans: An in-crop application of this product will provide effective control of initial stand of labeled weeds. A sequential application will be required to control new flushes of weeds.

Initial Treatment

Weed Height (inches)	Rate (fl oz/A)
1-3	24
3-6	32
6-12	48

Sequential Application*

Weed Height (inches)	Rate (fl oz/A)
1-3	16
3-6	24
6-12	32

*Combined total application in-crop not to exceed 6496 fluid ounces per acre.

Hemp sesbania: Apply 24 fl oz/A at 0-2" tall; 32 fl oz/A at 2-4" tall; 40 fl oz/A at 4-6" tall; 48 fl oz/A at 6-8" tall.

PERENNIAL WEEDS RATE RECOMMENDATIONS

A 32 to 64 fluid ounces per acre rate (single or sequential applications) of this product will control or suppress 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

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"PERENNIAL WEED RATE TABLE" of the label booklet for Roundup. For some perennial species, repeat application may be required to eliminate crop competition throughout the growing season.

NOTE: Non-ionic Surfactant: Use 0.5 percent surfactant concentration (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.

Ammonium Sulfate: Ammonium sulfate may be mixed with this product for applications to Roundup Ready soybeans. Refer to the "ADDITIVES" section of the label booklet for use instructions for ammonium sulfate.

Read the "Limit of Warranty and Liability" in the label booklet for Roundup 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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