

524-537



2/18/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Stephen Adams
Monsanto Company
1300 I (Eye) Street, NW
Suite 450 East
Washington, DC 20005

2-18-14

Subject: Supplemental Label Amendment / Mon 78270 Herbicide (For Use on Roundup Ready Flex Cotton in Arizona, New Mexico, and West Texas Only)
EPA Reg. No.: 524-537

Dear Mr. Adams:

The supplemental labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

Submit one copy of the final printed label for the record before you release the product for shipment. Stamped copies of the label is enclosed for your records. The supplemental label must be incorporated into the master label within 18 months of the date of this letter. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kable 'Bo' Davis".

Kable "Bo" Davis
Product Manager 25
Herbicide Branch
Registration Division (7505P)

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SUPPLEMENTAL LABELING

This supplemental label expires on April 30, 2017 and must not be used or distributed after this date.

READ THE ENTIRE PRODUCT LABEL FOR [INSERT BRAND NAME] BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

When using [INSERT BRAND NAME] as permitted, according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the product label provided with the pesticide container and on this supplemental labeling. This supplemental labeling must be in the possession of the user at the time of pesticide application.

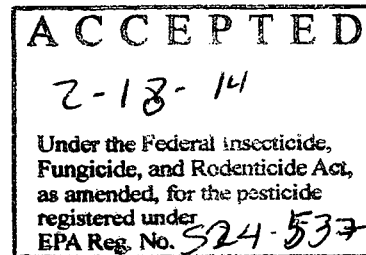
MON 78270 Herbicide

Alternate Brand Names:

MON 007 Herbicide

Roundup WeatherMAX® Herbicide

Roundup UltraMAX II Herbicide



EPA Reg. No. 524-537

[INSERT BRAND NAME] and Roundup Ready are registered trademarks of Monsanto Technology LLC

Use on Roundup Ready® Flex Cotton in Arizona, New Mexico and West Texas Only

Keep out of reach of children

CAUTION!

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

DIRECTIONS FOR USE

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

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

ROUNDUP READY CROPS CONTAIN A PATENTED GENE THAT PROVIDES TOLERANCE TO GLYPHOSATE, THE ACTIVE INGREDIENT IN THIS PRODUCT. THIS PRODUCT WILL CAUSE SEVERE CROP INJURY OR DESTRUCTION AND YIELD LOSS IF APPLIED TO CROPS THAT ARE NOT GLYPHOSATE-TOLERANT. AVOID CONTACT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, OR ANY DESIRABLE PLANTS THAT DO NOT CONTAIN A GLYPHOSATE-TOLERANCE GENE, AS SEVERE PLANT INJURY OR DESTRUCTION COULD RESULT.

See the "PRODUCT INFORMATION," "MIXING" and "ROUNDUP READY CROPS" sections of the [INSERT BRAND NAME] product label for important use information.

The directions for use of this product provided in this section are specific to and may only be used with varieties designated as Roundup Ready Flex cotton grown in Arizona, New Mexico and West Texas (west of I-35) only. For directions for use of this product with varieties of Roundup Ready Flex cotton grown in other regions, see the [INSERT BRAND NAME] product label. Applications described in this section made over the top of cotton other than Roundup Ready Flex cotton will cause crop injury and reduced yields. DO NOT combine the directions for use on this supplemental labeling with those in the "Roundup Ready Flex Cotton" section of the [INSERT BRAND NAME] product label, or with any other directions for use on Roundup Ready cotton or Roundup Ready Flex cotton on labeling for this or any other Glyphosate-containing product. Drift of this product from an application made to

SUBMISSION

Roundup Ready Flex cotton onto adjacent fields of post 4-leaf (node) Roundup Ready cotton could cause extensive crop injury, including boll loss, delayed maturity and/or yield loss.

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

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

Maximum Application Rates	
Combined total per year for all applications	5.3 quarts per acre
Total of all Preplant, At-Planting, Preemergence applications	3.3 quarts per acre
Total of all In-crop applications from cracking 60 percent open bolls	4 quarts per acre
Total of all In-crop applications between layby and 60 percent open bolls	44 fluid ounces per acre
Total of all In-crop applications from 60 percent open bolls to 7 days prior to harvest	44 fluid ounces per acre
Total of all In-crop applications from emergence through harvest	4 quarts per acre

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

Preplant, At-Planting, Preemergence

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

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

[Insert active ingredient(s) or brand name of product(s) containing the following active ingredients that, at the time of printing, are registered for use prior to the emergence of cotton:

acetochlor; clomazone; diuron; flumioxan; fluometuron; fomesafen; metolachlor; s-metolachlor; norflurozon; pendimethalin; prometryn; pyriithiobac-sodium; saflufenacil

Caparol; Command; Cotoran; Cotton Pro; Dawn; Direx; Dual MAGNUM; Dual II MAGNUM; Karmex; Meturon; PARRLAY; Prowl; Prowl H2O; Reflex; Sharpen; Stalwart; Staple; Valor; Warrant; Zorial]

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

Postemergence (In-crop)

USE INSTRUCTIONS: This product may be applied to control annual grasses and broadleaf weeds listed on the [INSERT BRAND NAME] product label in Roundup Ready Flex cotton. To maximize yield potential, eliminate competing weeds early. Many perennial weeds will be controlled or suppressed with one or more applications of this product. Use an initial application rate of 22 fluid ounces per acre to control or suppress 1 to 3 inch tall annual grasses and broadleaf weeds. This product may be applied postemergence to Roundup Ready Flex cotton grown in Arizona, New Mexico and West Texas (west of I-35) only, at rates up to 44 fluid ounces per acre per application using ground application equipment. In addition to broadcast application, post-directed spray equipment may be used to achieve more thorough weed coverage.

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

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[Insert active ingredient(s) or brand name of product(s) containing the following active ingredients that, at the time of printing, are registered for use postemergence (in-crop) to cotton:

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

Assure II; Dual MAGNUM; Envoke; Fusilade; MSMA; PARRLAY; Poast Plus; Reflex; Select; Select MAX; Stalwart; Staple; Warrant]

[Optional text: Staple could cause leaf yellowing and/or leaf crinkling when applied postemergence (in-crop) in Roundup Ready Flex cotton. Dual MAGNUM and Stalwart applied over the top of Roundup Ready Flex cotton could cause leaf injury in the form of necrotic spotting.]

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

[Insert active ingredient(s) or brand name of product(s) containing the following active ingredients that, at the time of printing, are registered for use postemergence (in-crop) to cotton:

carfentrazone-ethyl; diuron; flumioxazin; fluometuron; linuron; metolachlor; monosodium acid methanearsonate; pendimethalin; prometryn; pyriithiobac-sodium; trifloxysulfuron-sodium

Aim; Caparol; Cotoran; Direx; Envoke; Layby-Pro; MSMA; PARRLAY; Prowl; Prowl H2O; Staple; Valor]

[Optional text: Staple could cause leaf yellowing and/or leaf crinkling when applied postemergence (in-crop) in Roundup Ready Flex cotton.]

RESTRICTIONS: The maximum single, in-crop application rate of this product to Roundup Ready Flex cotton grown in Arizona, New Mexico and West Texas (west of I-35) using ground application equipment is 44 fluid ounces per acre. **In-crop application rates above 22 fluid ounces per acre made alone or with the addition of other crop chemical products containing surfactant could cause a crop response including leaf speckling or leaf necrosis.** Do not exceed a maximum application rate of 32 fluid ounces of this product per acre when using aerial application equipment. Between layby and 60 percent open bolls, the maximum combined total application rate of this product is 44 fluid ounces per acre. The combined total of all applications of this product made from crop emergence to 60 percent open bolls must not exceed 4.0 quarts per acre.

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

Preharvest

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

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

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

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

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

© [YEAR]

MONSANTO COMPANY
800 N. LINDBERGH BLVD.
ST. LOUIS, MISSOURI 63167 USA

[INSERT DATE]

[PRINT PLATE NUMBER]

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