

524-591

2/1/2010

1 of 23



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

524-591

Date of Issuance:

2-1-10

Term of Issuance: Conditional

Name of Pesticide Product:

Mon 63410 Herbicide

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

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

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA provided you agree in writing to:

- 1. You must submit the results of the storage stability and corrosion characteristics studies within 1 year of this registration.

Signature of Approving Official:

Date:

2-1-10

James Tompkins, Product Manager (25)
Herbicide Branch, Registration Division (7505P)

2023

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EPA Reg. 524-591

2. To the Hazards to Humans and Domestic Animals section, change to "Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals". No statements are required to the First Aid section.

A stamped copy of the label is enclosed for your records. You must submit one copy of the final printed label before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA. Your release for shipment of the product constitutes acceptance of these conditions. If you have any questions please contact Erik Kraft at 703-308-9358 or kraft.erik@epa.gov.

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MASTER LABEL FOR EPA REG. NO. 524-591

Registered Brand Names:

MON 63410™ Herbicide

I.	Main Label for Crop Uses	Pages 2 – 24

ACCEPTED
with COMMENTS
In EPA Letter Dated:
2-1-10

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

524-591

40023

MON 63410™ Herbicide

MON 63410 is an encapsulated herbicide for weed control in Soybeans and Cotton.

EPA Reg. No. 524-591

[DATE]

SHAKE WELL BEFORE USING

COMPLETE DIRECTIONS FOR USE

Read the entire label before using this product.

Use only according to label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

[Container Label Option]

THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING.

[Non-refillable Container Label Option]

THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. IT IS INTENDED THAT REPACKAGING BE ONLY IN ACCORDANCE WITH A MONSANTO REPACKAGING OR TOLL REPACKAGING AGREEMENT.

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1.0 INGREDIENTS

ACTIVE INGREDIENT:

*Acetochlor.....	33.0%
OTHER INGREDIENTS	<u>67.0%</u>
	100.0%

*Contains 359 grams/liter or 3.0 pounds/gallon of 2-chloro- N-ethoxymethyl-N-(2-ethyl-6-methylphenyl) acetamide.

Protected by U.S. Patent Nos. 5,225,570 and 5,925,595. Other patents pending. No license is granted under any non-U.S. patents.

2.0 IMPORTANT PHONE NUMBERS

- 1. FOR PRODUCT INFORMATION OR ASSISTANCE IN USING THIS PRODUCT,

60F23

CALL TOLL-FREE,

1-800-332-3111

2. IN CASE OF AN EMERGENCY INVOLVING THIS HERBICIDE PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT,

(314)-694-4000

3.0 PRECAUTIONARY STATEMENTS

3.1 Hazards to Humans and Domestic Animals

Keep out of reach of children.

CAUTION!

HARMFUL IF INHALED.

MAY CAUSE ALLERGIC SKIN REACTION. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Avoid breathing vapor or spray mist.

Remove contaminated clothing and wash before reuse.

Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling.

FIRST AID: Call a poison control center or doctor for treatment advice	
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Sensitized persons should avoid further contact and reuse of contaminated clothing.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
<ul style="list-style-type: none"> • Have the product container or label with you when calling a poison control center or doctor, or going for treatment. • You may also contact (314) 694-4000, collect day or night, for emergency medical treatment information • This product is identified as MON 63410 Herbicide, EPA Registration No. 524-591 	

Personal Protective Equipment (PPE):

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinylchloride, and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls: When handlers use closed systems, or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

3.2 Environmental Hazards

This product is toxic to fish. Do not apply directly to water, or 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 water.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination.

Acetochlor has properties that may result in surface water contamination via dissolved runoff and runoff erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published Monsanto Supplemental labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about

personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, are: coveralls, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

4.0 STORAGE AND DISPOSAL

Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container, including rinsate, by application in accordance with label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program. Such programs are often run by state or local governments or by industry. All disposal must be in accordance with applicable federal, state and local regulations and procedures.

[Alternate PESTICIDE DISPOSAL statement for transport vehicles only: To avoid wastes, empty as much product from this transport vehicle as possible for repackaging or use in accordance with label directions. If wastes cannot be avoided, offer remaining product or rinsate to a waste disposal facility or pesticide disposal program. All disposal must be in accordance with applicable federal, state, and local regulations and procedures.]

CONTAINER HANDLING AND DISPOSAL: See container label for container handling and disposal instructions and refilling limitations.

[OPTIONAL CONTAINER AND DISPOSAL STATEMENTS AND REFILLING LIMITATIONS FOR CONTAINER LABELS]

FOR NONREFILLABLE RIGID PLASTIC 2.5-GALLON CONTAINERS AND OTHER CONTAINERS OF GREATER THAN 1-GALLON BUT EQUAL TO OR LESS THAN 5-GALLON CAPACITY: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

[Alternate container statement: Nonrefillable container. Do not reuse or refill this container.]

Triple rinse or pressure rinse (or equivalent) this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10

seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or Monsanto at 1-800-768-6387. If recycling is not available, dispose of in accordance with federal, state, and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

[Alternate container disposal statement: Then offer this container for recycling, if available. If recycling is not available, dispose of in accordance with federal, state, and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.]

FOR NONREFILLABLE RIGID PLASTIC 30-GALLON CONTAINERS AND OTHER CONTAINERS OF GREATER THAN 5-GALLON CAPACITY: Nonrefillable container. Do not reuse or refill this container.

[Alternate container statement: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.]

Triple rinse or pressure rinse (or equivalent) this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or Monsanto at 1-800-768-6387. If recycling is not available, dispose of in accordance with federal, state, and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.

[Alternate container disposal statement: Then offer this container for recycling, if available. If recycling is not available, dispose of in accordance with federal, state, and local regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill.]

FOR ALL REFILLABLE CONTAINERS, EXCEPT TRANSPORT CONTAINERS : Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning this container before refilling is the responsibility of the refiller. Cleaning this container before final disposal is the responsibility of the person disposing of the container.

To clean this container before final disposal, empty the remaining contents from this container into application equipment or a tank mix. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer this container for recycling, if available. To obtain information about recycling refillable containers, contact Monsanto Company at 1-800-768-6837.

[*Optional container label statement:* Return properly rinsed container to Monsanto for recycling. Contact Monsanto at 1-800-768-6387.]

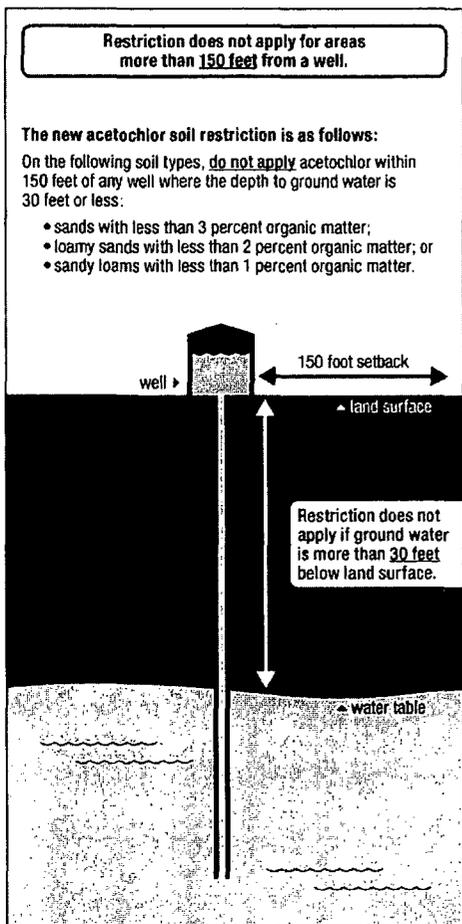
FOR ALL TRANSPORT CONTAINERS AS DEFINED IN 40 CFR 156.3: Emptied container retains vapor and product residue. Observe all precautions stated on this label until the container is cleaned, reconditioned, or destroyed. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, and worn-out threads and closures. Clean thoroughly before reuse for transportation of a material of different composition or before retiring this transport vehicle from service.

5.0 PRODUCT INFORMATION

MON 63410 Herbicide is for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. This product will not control emerged seedlings. This product is to be applied postemergence to the crop and preemergence to the weeds. Read and carefully observe precautionary statements and all other information appearing on the labeling of all products used in mixtures and sequential treatments.

5.1 Use Restrictions

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the ground water is shallow, may result in ground water contamination. On the following soil types, do not apply this product within 150 feet of any well where the depth to ground water is 30 feet or less: sands with less than 3 percent organic matter; loamy sands with less than 2 percent organic matter; or sandy loams with less than 1 percent organic matter. See the figure for additional clarification.



This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain a minimum of 110 percent of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100 percent of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to

vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Do not flood irrigate to apply or incorporate this product.

Product must be used in a manner which will prevent back siphoning into wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.

Do not apply this product through any type of irrigation system.

Disposal of excess pesticide, spray mixtures or rinsate must be according to label use instructions or according to the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA regional office.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or wind erosion:

Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.

Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered soils.

Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.

Do not apply this product using aerial application equipment.

Do not apply when wind conditions favor drift to non-target sites. To minimize spray drift to non-target areas:

Use low-pressure application equipment capable of producing a large droplet spray. Do not use nozzles that produce a fine droplet spray. Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.

Keep ground driven spray boom as low as possible above the target surface.

Make application when the wind velocity favors on-target product deposition (approximately 3 to 10 miles per hour). Do not apply when wind velocity exceeds 15 miles per hour. Avoid application when gusts approach 15 miles per hour.

Low humidity and high temperatures increase the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperatures. Do not apply during inversion conditions.

Use of this product not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences.

Flush sprayer with clean water after use.

ROTATIONAL CROPS:

- 1) If a crop treated with this product is lost, soybeans or cotton may be replanted immediately, but could result in crop injury. Do not exceed a total of 3.0 pounds per acre of active ingredient if additional product is applied.
- 2) Nongrass animal feeds such as alfalfa, clover, kudzu, lespedeza, lupin, sainfoin, trefoil, velvet bean, and *Vetch* spp. may be planted 9 months after application. Wheat may be planted 4 months after application.
- 3) Rotate the next season to the following crops: soybeans, corn (all types), milo (sorghum), cotton, tobacco, sugar beets, sunflowers, potatoes, barley, buckwheat, millet (pearl and proso), oats, rye, teosinte, triticale, wild rice, dried shelled bean group *Lupinus* spp. (including grain lupin, sweet lupin and white lupin); *Phaseolus* spp. (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean); bean *Vigna* spp. (includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea and urd bean); broad bean (dry) chickpea, guar, lablab bean, lentil, pea (*Pisum* spp., includes field pea); pigeon pea.

6.0 SOIL TEXTURE

Applicators should evaluate soil conditions carefully to assure that they choose the correct label rate.

The use rates of this product and the other herbicides labeled for use in tank mixtures with this product vary with soil texture. Unless soil texture is specifically named, rate tables throughout this label refer to only three soil textural groups: coarse, medium and fine. The following is a complete listing of soil textures included in each of these three soil textural groups:

SOIL TEXTURAL GROUP	SOIL TEXTURE
COARSE	sand, loamy sand, sandy loam
MEDIUM	loam, silt loam, silt, sandy clay loam
FINE	silty clay loam, clay loam, sandy clay, silty clay, clay

Refer to the above table to determine the corresponding soil textural group for the soil to be treated.

7.0 MIXING, SPRAYING AND HANDLING INSTRUCTIONS

NOTE: Direct contact or exposure to this product or spray mixtures of this product should be minimized. The following instructions for transfer, mixing, cleaning or repairing equipment should be followed in order to minimize this exposure. Review the protective clothing requirements as listed in the "PRECAUTIONARY STATEMENTS" section of this label and do not use this product until you have the necessary protective clothing.

2.5 Gallon Containers

Open pouring from these containers can result in exposure from splashing or spilling. Special care in lifting and pouring are strongly recommended.

Bulk Containers

Open pouring from these containers can result in exposure from splashing or spilling and is not recommended. This product should be transferred from these containers to the mix or spray tank using pumps or transfer probes. The probe or pump should not be removed from the container or disconnected until the container is emptied and rinsed. Use the pump or probe system to rinse the empty container and transfer the rinsate directly to the mix or spray tank.

7.1 Equipment Cleaning & Repair

Cleaning and repair of transfer systems and application equipment is a source of exposure to this product. Care should be taken to minimize exposure during cleaning and repair of transfer systems and application equipment. Whenever possible, these systems or equipment should be rinsed before being cleaned or repaired.

When repairs must be made during transfer or application, the equipment should be shut down, and special care taken to avoid contact with the pesticide.

7.2 Sprayer Compatibility

Always predetermine the compatibility of this product or labeled tank mixtures of this product with water carrier by mixing small proportional quantities in advance.

Mix this product or labeled tank mixture of this product with the appropriate carrier as follows:

1. Place a 20- to 35-mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with the appropriate carrier.
3. If a compatibility agent is necessary to improve mixing or to prevent the formation of undesirable and unsprayable gels or precipitates, while agitating add it to the carrier already in the tank. Use only compatibility agents cleared by FDA for this use. Read and follow all directions for use, cautionary statements and all other information appearing on the selected compatibility agent label. Check for adequate agitation.
4. If a wettable powder or dry flowable formulation is used, make a slurry with water and add it slowly through the screen into the tank. Continue agitation.
5. If a flowable formulation is used, add slowly through screen into the tank. Mixing and compatibility may be improved when flowable is pre-mixed one part flowable with one part water and added to the tank in diluted form.
6. Add this product slowly through the screen into the tank. Mixing and compatibility may be improved when this product is prediluted with two parts of water and added to the tank in diluted form.
7. Complete filling the sprayer tank with carrier. If a Roundup® agricultural herbicide or a Gramoxone brand herbicide is used, add the required amount near the end of the filling process. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source.

Maintain good agitation at all times until the contents of the tank are sprayed.

NOTE: If spray mixture is allowed to settle at any time, thorough agitation is required to resuspend the mixture before spraying is resumed. Keep by-pass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be 50-mesh. Carefully select proper nozzle to avoid spraying a fine mist. Check for even distribution of spray droplets. To reduce loss of the chemical due to drift of a fine mist, apply at nozzle pressures below 40 psi.

8.0 Application Systems

8.1 Ground Broadcast Treatment

Apply this product and the labeled tank mixtures in 10 or more gallons of solution per acre using broadcast boom equipment. Do not apply during periods of gusty winds, when winds are in excess of 15 miles per hour or when other conditions favoring drift exist.

9.0 APPLICATION TIMING AND METHODS

9.1 Postemergence Surface Application

Application must be made postemergence to the crop but prior to weed seedling emergence or in a tank mixture that controls emerged weeds. MON 63410 herbicide will not control emerged weeds so it must be applied to a weed-free soil surface or in a tank-mixture with products that provide postemergence control of weeds at the time of application. Read and follow all restrictions and directions on tank-mix product labels. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone to control unemerged weeds. The amount of precipitation or irrigation required depends on existing soil moisture, soil type and percent organic matter content, but 1/2 to 3/4 inch is normally adequate. If weeds emerge after treatment, rotary hoe or shallowly cultivate to improve performance.

NOTE: DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

9.2 Cultivation Information

Delay cultivation after application for as long as possible unless weeds or grasses emerge. Shallowly cultivate or rotary hoe immediately if weeds or grasses emerge. If cultivation is necessary because of soil crusting or compaction, set equipment shallow and minimize lateral soil movement to avoid dilution or displacement of the herbicide treatment.

10.0 WEEDS CONTROLLED

When applied as directed under conditions described, this product and tank mixtures of this product will control or reduce competition from the weeds listed.

NOTE: C = Control R = Reduced Competition

10.1 Annual Grasses

Barnyardgrass	
<i>Echinochloa crus-galli</i>	C
Crabgrass	
<i>Digitaria ischaemum</i>	C
Crowfootgrass	
<i>Dactyloctenium</i>	C
<i>aegyptium (L.) Willd.</i>	
Cupgrass,	C
prairie <i>Eriochloa contracta Hitchc</i>	
Foxtail:	R
giant <i>Setaria faberi</i>	
green robust purple, robust	
white <i>Setaria viridis</i>	
yellow <i>Setaria lutescens</i>	
Goosegrass	
<i>Eleusine indica</i>	C
Johnsongrass, seedling	
<i>Sorghum halepense</i>	R
Millet: foxtail <i>Setaria italica</i>	R
Oat, wild	
<i>Avena fatua</i>	R
Panicum:	C
browntop, <i>Panicum fasciculatum</i>	
fall, <i>Panicum dichotomiflorum</i>	
Panicum, Texas	
<i>Panicum texanum</i>	R
Rice, red	
<i>Oryza sativa</i>	C
Sandbur; Grassbur	
<i>Cenchrus incertus</i>	R
Shattercane; Wild cane	
<i>Sorghum bicolor</i>	R
Signalgrass, broadleaf	
<i>Brachiaria platyphylla</i>	C
Sprangletop, red	
<i>Leptochloa filiformis</i>	C
Wheat, volunteer	
<i>Triticum aestivum</i>	R
Witchgrass	
<i>Panicum capillare L.</i>	C

10.2 Annual Broadleaves

Beggarweed, Florida	
<i>Desmodium tortuosum</i>	R
Carpetweed	
<i>Mollugo verticillata</i>	C
Galinsoga	
<i>Galinsoga spp.</i>	C
Groundcherry, cutleaf	
<i>Physalis angulata</i>	R
Henbit	
<i>Lamium amplexicaule</i>	C
Lambsquarters	
<i>Chenopodium album</i>	C
Nightshade, black, Solanum nigrum	C
hairy, Solanum sarrachoides	
Pigweed: Carelessweed	
<i>Amaranthus spp.</i>	C
Purslane	
<i>Portulaca oleracea</i>	C
Pusley, Florida	
<i>Richardia scabra</i>	C
Sida, prickly;	
Teaweed	
<i>Sida spinosa</i>	R
Smartweed	
<i>Polygonum pennsylvanicum</i>	R
Starbur, bristly	
<i>Acanthospermum hispidum</i>	R
Waterhemp	
<i>Amaranthus tuberculatus</i>	C

11.0 Soybeans

11.1 MON 63410 Herbicide

Apply this product postemergence to soybeans and preemergence to weeds at 1.25 to 2 qts/A according to the rate charts below. One or two applications will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. If weeds are emerged at time of application, apply a labeled postemergence herbicide with this

product to control the emerged weeds. Observe the directions for use, precautions and restrictions on the label of the postemergence herbicide.

Approved Application Systems

Ground: Broadcast boom

Approved Application Methods

Postemergence Surface

Apply this product postemergence to soybeans and prior to weed emergence. The application should be made after soybeans are completely emerged but before soybeans reach growth stage R2. Apply this product when crop is small or direct spray to the soil surface to minimize interference of spray by crop. The optimum timing and rate of application is when soybeans are V2-V3 at 1.5 qts/A. The product may be applied again when soybeans are V5-V6 if directed to the soil. Use rates are defined in the table below. Use the higher rate where heavy weed infestations exist. Weeds emerged at the time of application are not controlled by this product.

Apply MON 63410 broadcast over-the-top or directed to the soil surface, according to the rate table listed below. Application before weeds emerge or after clean cultivation is necessary as this product will not control emerged weeds.

DO NOT exceed 4 quarts per acre per season when making a second application.

DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

DO NOT graze treated area or feed treated forage to livestock following application of this product.

Application Rates

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE*					
	Less than 1.5% Organic Matter (quarts)			1.5% or More Organic Matter (quarts)		
Coarse	1.25	to	1.6	1.25	to	1.7
Medium	1.25	to	1.7	1.25	to	1.9
Fine	1.25	to	1.9	1.25	to	2.0

* Use the higher rate in the range for areas of heavy weed infestation.

11.2 MON 63410 Herbicide plus Roundup Agricultural Herbicides on Roundup Ready Soybeans and Genuity Roundup Ready 2 Yield Soybeans

This program may be used postemergence in tank mixture with Roundup agricultural herbicides on Roundup Ready Soybeans and Genuity Roundup Ready 2 Yield Soybeans when soybeans are completely emerged until the soybeans reach growth stage R2. Refer to Roundup agricultural herbicide labels for specific weeds controlled postemergence.

Approved Application Systems

Ground: Broadcast boom

Approved Application Methods

Postemergence Surface

This tank mix may be applied after soybeans are completed emerged and until the soybeans reach growth stage R2. The optimum timing of application is when soybeans are V2-V3. The product may be applied again when soybeans are V5-V6 if directed to the soil. Labeled use rates for this tank mix are defined in the table below. Use the higher rate on larger weeds and where heavy weed infestations exist. This tank mix should be applied when weeds are 2 to 4 inches in height and before the weed height and/or density become competitive with the crop.

For difficult to control weeds such as fall panicum, barnyardgrass, crabgrass, shattercane, broadleaf signalgrass and Pennsylvania smartweed use the higher rates of Roundup agricultural herbicides.

DO NOT exceed 4 quarts per acre per season of MON 63410 Herbicide when making a second application.

DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

DO NOT graze treated area or feed treated forage to livestock following application of this product.

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN A GLYPHOSATE TOLERANCE GENE.

Application Rates (minimum and maximum range)

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE*	
	MON 63410 HERBICIDE (quarts)	ROUNDUP AGRICULTURAL HERBICIDES
Coarse	1.25 to 1.7	Per Labeled Rate
Medium	1.25 to 1.9	Per Labeled Rate
Fine	1.25 to 2.0	Per Labeled Rate

* Use the higher rate in the range for areas of heavy weed infestation.

12.0 COTTON

12.1 MON 63410 Herbicide

Apply this product postemergence to cotton and preemergence to weeds at 1.25 to 2 qts/A according to the rate charts below. One or two applications will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. If weeds are emerged at time of application, apply a labeled postemergence herbicide with this product to control the emerged weeds. Observe the directions for use, precautions and restrictions on the label of the postemergence herbicide.

Approved Application Systems

Ground: Broadcast boom

Approved Application Methods

Postemergence Surface

Apply this product postemergence to cotton and prior to weed emergence. The application should be made after cotton is completely emerged but before cotton reaches first bloom. Apply this product when crop is small or direct spray to the soil surface to minimize interference of spray by crop. The optimum timing and rate of application is when cotton is in 2 to 3 leaf stage at 1.5 qts/A. The product may be applied again when cotton is in 5 to 6 leaf stage if directed to the soil. Use rates are defined in the table below. Use the higher rate where heavy weed infestations exist. Weeds emerged at the time of application are not controlled by this product.

Apply MON 63410 broadcast over-the-top or directed to the soil surface, according to the rate table listed below. Application before weeds emerge or after clean cultivation is necessary as this product will not control emerged weeds.

DO NOT exceed 4 quarts per acre per season when making a second application.

DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

DO NOT graze treated area or feed treated forage to livestock following application of this product.

Application Rates

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE*					
	Less than 1.5% Organic Matter (quarts)			1.5% or More Organic Matter (quarts)		
Coarse	1.25	to	1.6	1.25	To	1.7
Medium	1.25	to	1.7	1.25	To	1.9
Fine	1.25	to	1.9	1.25	To	2.0

* Use the higher rate in the range for areas of heavy weed infestation.

12.2 MON 63410 Herbicide plus Roundup Agricultural Herbicides on Roundup Ready Cotton

This program may be used postemergence in tank mixture with Roundup agricultural herbicides on Roundup Ready Cotton when cotton is completely emerged until the 4-leaf (node) stage of development (until the fifth true leaf reaches the size of a quarter). Refer to Roundup agricultural herbicide labels for specific weeds controlled postemergence. **Over-the-top applications of this tank mix to Roundup Ready Cotton made after the 4-leaf (node) stage of development may result in boll loss, delayed maturity and/or yield loss.**

Approved Application Systems

Ground: Broadcast boom

Approved Application Methods

Postemergence Surface

This tank mix may be applied after Roundup Ready Cotton is completely emerged until the 4-leaf (node) stage of development. The optimum timing of application is when cotton is in 2 to 3 leaf stage. If this tank mix is used after the 4-leaf (node) stage, it must be applied with a precision post-directed or hooded sprayer. Contact of the spray with the cotton leaves should be avoided to the maximum extent possible. Labeled use rates for this tank mix are defined in the table below. Use the higher rate on larger weeds and where heavy weed infestations exist. This tank mix should be applied when weeds are 2 to 4 inches in height and before the weed height and/or density become competitive with the crop.

For difficult to control weeds such as fall panicum, barnyardgrass, crabgrass, shattercane, broadleaf signalgrass and Pennsylvania smartweed use the higher rates of Roundup agricultural herbicides.

DO NOT exceed 4 quarts per acre per season of MON 63410 Herbicide when making a second application.

DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

DO NOT graze treated area or feed treated forage to livestock following application of this product.

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN A GLYPHOSATE TOLERANCE GENE.

Application Rates (minimum and maximum range)

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE*	
	MON 63410 HERBICIDE (quarts)	ROUNDUP AGRICULTURAL HERBICIDES
Coarse	1.25 to 1.7	Per Labeled Rate
Medium	1.25 to 1.9	Per Labeled Rate
Fine	1.25 to 2.0	Per Labeled Rate

* Use the higher rate in the range for areas of heavy weed infestation.

12.3 MON 63410 Herbicide plus Roundup Agricultural Herbicides on Genuity Roundup Ready Flex Cotton

This program may be used postemergence in tank mixture with Roundup agricultural herbicides on Genuity Roundup Ready Flex Cotton when cotton is completely emerged until cotton reaches first bloom. Refer to Roundup agricultural herbicide labels for specific weeds controlled postemergence.

Approved Application Systems

Ground: Broadcast boom

Approved Application Methods

Postemergence Surface

This tank mix may be applied after cotton is completely emerged and until cotton reaches first bloom. The optimum timing of application is when cotton is in 2 to 3 leaf stage. The product may be applied

again when cotton is in 5 to 6 leaf stage if directed to the soil. Labeled use rates for this tank mix are defined in the table below. Use the higher rate on larger weeds and where heavy weed infestations exist. This tank mix should be applied when weeds are 2 to 4 inches in height and before the weed height and/or density become competitive with the crop.

For difficult to control weeds such as fall panicum, barnyardgrass, crabgrass, shattercane, broadleaf signalgrass and Pennsylvania smartweed use the higher rates of Roundup agricultural herbicides.

DO NOT exceed 4 quarts per acre per season of MON 63410 Herbicide when making a second application.

DO NOT make postemergence surface applications using sprayable fluid fertilizer as the carrier because severe crop injury may occur.

DO NOT graze treated area or feed treated forage to livestock following application of this product.

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS WHICH DO NOT CONTAIN A GLYPHOSATE TOLERANCE GENE.

Application Rates (minimum and maximum range)

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE*	
	MON 63410 HERBICIDE (quarts)	ROUNDUP AGRICULTURAL HERBICIDES
Coarse	1.25 to 1.7	Per Labeled Rate
Medium	1.25 to 1.9	Per Labeled Rate
Fine	1.25 to 2.0	Per Labeled Rate

* Use the higher rate in the range for areas of heavy weed infestation.

13.0 LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

To the extent consistent with applicable law, buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company to the extent consistent with applicable law, including, but not limited to, incompatibility with products other than those set forth in the Directions, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any

manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

This Company does not warrant any product reformulated or repackaged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

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