

PLEASE NOTE

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

524-523

08/28/2000

AUG 28 2000

1/25



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:
524-523

Date of Issuance:
AUG 28 2000

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
MON 78746 Herbicide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Monsanto Company
600 13th Street, N.W. Suite 660
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 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 section 3(c)(7)(A) and (B) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) provided that you:

1. Submit/cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment.

a. Add the phrase "EPA Registration No. 524-523".

b. Based on a Toxicity Category III for your primary dermal irritation study the following must be added to your First Aid Statement.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

c. Waterproof gloves must be added to Personal Protective Equipment (PPE) for applicators and other handlers.

d. Under Spray Drift Management, controlling droplet size, pressure "canopy protection" should read "canopy penetration".

Signature of Approving Official:

Date:

3. Submit three(3) copies of your final printed labeling 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 section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of labeling is enclosed for your records. V K W

3/25

MON 78746
Herbicide by Monsanto

Complete Directions for Use

EPA Reg. No. 524-~~xxx~~ LEC

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY® CROPS). DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

MON 78746 is a registered trademark of Monsanto Co.

Container Statement:

Read "Limit of Warranty and Liability" which appears in the label booklet, before buying or using. If terms are not acceptable, return at once unopened.

4/25

Read the entire label before using this product.

Use only according to label instructions.

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

Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of the label 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 Statement:

Refillable containers:

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.

Non-refillable containers:

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

CONTENTS

- 1 1.0 **INGREDIENTS**
- 2 2.0 **IMPORTANT PHONE NUMBERS**
- 3 3.0 **PRECAUTIONARY STATEMENTS**
 - 3.1 Hazards to Humans and Domestic Animals
 - 3.2 Environmental Hazards
 - 3.3 Physical or Chemical Hazards
- 4 4.0 **STORAGE AND DISPOSAL**
- 5 5.0 **GENERAL INFORMATION**
 - 5.1 How this product works
 - 5.2 General Precautions and Restrictions
- 6 6.0 **MIXING**
 - 6.1 Mixing with Water
 - 6.2 Tank Mixing Procedure
 - 6.3 Ammonium Sulfate
 - 6.4 Drift Control Additives
- 7 7.0 **APPLICATION EQUIPMENT AND TECHNIQUES**
 - 7.1 Aerial Equipment
 - 7.2 Ground Broadcast Equipment

5/25

- 7.3 Injection Systems
- 7.4 Post-directed or hooded applications to Roundup Ready Cotton
- 8 8.0 Cotton and Soybeans - Preplant, Preemergence, and At-Planting Applications
- 9 9.0 Roundup Ready Crops - Over the Top Postemergent Applications
 - 9.1 Cotton with the Roundup Ready Gene
 - 9.2 Soybeans with the Roundup Ready Gene
- 10 10.0 Weeds Controlled
 - 10.1 Annual Weeds
 - 10.2 Perennial Weeds
- 11 11.0 LIMIT OF WARRANTY AND LIABILITY

ACCEPTED

AUG 28 2000

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-523

1.0 INGREDIENTS

ACTIVE INGREDIENT:

*Glyphosate, N-(phosphonomethyl) glycine, in the form of its isopropylamine salt	41.6%
**Quizalofop P-ethyl (Ethyl (R)-2-[4-(6-chloroquinoxalin-2-yl-oxy)-phenoxy]propionate	1.4%
OTHER INGREDIENTS:.....	57.0%
	100.0%

*Contains 480 grams per liter or 4 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt. Equivalent to 356 grams per liter or 3 pounds per U.S. gallon of the acid, glyphosate.

**Contains 16 grams per liter or 0.13 pounds per U.S. gallon of the active ingredient quizalofop P-ethyl.

This product is protected by U.S. Patent No. 4,405,531. Other patents pending. No license granted under any non-U.S. patent(s).

2.0 IMPORTANT PHONE NUMBERS

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

1-800-332-3111
2. IN CASE OF AN EMERGENCY INVOLVING THIS 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.

00000088

6/25

DANGER! PELIGRO!

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE.

Do not get in eyes or on clothing.

FIRST AID:

IF IN EYES

- Hold eyes open and rinse slowly and gently with water for 15 - 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.
- Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or a doctor.
- Do not give anything to an unconscious person.

Don't forget to call

EMERGENCY HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call Collect (314)-694-4000 for emergency treatment information.

NOTE TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage.

DOMESTIC ANIMALS: This product is considered to be relatively nontoxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

Personal Protective Equipment (PPE)

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

by wearing goggles and

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks, and protective eyewear. Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in 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:

7/25

- 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.

3.2 Environmental Hazards

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 washwaters.

3.3 Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

DIRECTIONS FOR USE

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

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.

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, is: coveralls, waterproof gloves, shoes plus socks, and protective eyewear.

4.0 STORAGE AND DISPOSAL

8/25

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

Keep container closed to prevent spills and contamination.

See container label for STORAGE AND DISPOSAL instructions.

Container Label Statements:

(ALL CONTAINERS)

Wastes of this product may cause irreversible eye damage and may be dangerous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

(FOR REFILLABLE PORTABLE CONTAINERS)

Do not reuse this container except for refill in accordance with a valid Monsanto Repackaging or Toll Repackaging Agreement. If not refilled or returned to the authorized repackaging facility, triple rinse container, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(FOR BULK CONTAINERS)

Triple rinse emptied bulk container. Then offer for recycling or reconditioning, or dispose of in a manner approved by state and local authorities.

(FOR PLASTIC 1-WAY CONTAINERS & BOTTLES)

Do not reuse container. Triple rinse container, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(FOR DRUMS)

Do not reuse container. Return container per the Monsanto container return program. If not returned, triple rinse container, then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

5.0 GENERAL INFORMATION

5.1 How This Product Works

Product Description: This product provides postemergent control of a broad spectrum of annual weeds including volunteer Roundup Ready corn and perennial weeds. It may be used preplant, preemergence, or at planting in cotton or soybean, or it may be used postemergent in cotton and soybeans that contain the Roundup Ready gene. Cotton or soybean crops that do not contain the Roundup Ready gene are not tolerant to this product.

MON 78746 is specifically designed to control volunteer Roundup Ready corn and other weed species controlled by Roundup® brand herbicide products. Unless volunteer Roundup Ready corn is present, Monsanto recommends using one of the Roundup brand herbicide products labeled for these uses instead of MON 78746.

9/25

MON 78746 is a systemic herbicide with no soil residual activity. It is formulated as an emulsifiable concentrate that may be applied through most standard industrial or field-type sprayers after dilution and thorough mixing with water or other carriers according to label instructions.

Unless otherwise directed in this product's labeling, do not add surfactants, additives containing surfactants, buffering agents or pH adjusting agents to the spray solution when MON 78746 is the only pesticide used. Ammonium sulfate or drift control additives may be used. See the MIXING section of this label for instructions.

Time to Symptoms: This product moves through the plant from the point of foliage contact to and into the root system. Visible effects on most annual weeds occur within 2 to 4 days, but on most perennial weeds may not occur for 7 days or more. Extremely cool or cloudy weather following treatment may slow activity of this product and delay development of visual symptoms. Visible effects are a gradual wilting and yellowing of the plant which advances to complete browning of above-ground growth and deterioration of underground plant parts.

Stage of Weeds: Annual weeds are easiest to control when they are small. Best control of most perennial weeds is obtained when treatment is made at late growth stages approaching maturity. Refer to sections 8 and 9 of this label for recommended application timings.

Do not treat weeds under poor growing conditions such as drought stress, disease or insect damage, as reduced weed control may result. Reduced results may also occur when treating weeds heavily covered with dust.

Cultural Considerations: Reduced control may result when applications are made to annual or perennial weeds that have been mowed, grazed, or cut, and have not been allowed to regrow to the recommended stage for treatment.

Rainfastness: Heavy rainfall soon after application may wash this product off of the foliage and a repeat application may be required for adequate control.

Spray Coverage: For best results, spray coverage should be uniform and complete. Do not spray weed foliage to the point of runoff.

No Soil Activity: Weeds must be emerged at the time of application to be controlled by this product. Weeds germinating from seed after application will not be controlled. Unemerged plants arising from unattached underground rhizomes or root stocks of perennials will not be affected by the herbicide and will continue to grow.

Volatility: MON 78746 is non-volatile. Therefore, it cannot move as a vapor after application to affect nearby vegetation.

5.2 General Precautions And Restrictions

Annual Maximum Use Rate: The combined total of all treatments must not exceed 3 quarts of this product per acre per year. The maximum for a single in-crop application of MON 78746 in Roundup Ready cotton is 1 quart per acre. The maximum for a single in-crop application of MON 78746 in Roundup Ready soybeans is 2 quart per acre. Further rate limitation information can be found under the detailed recommendations for each cropping situation in this label.

10/25

Crop Rotational Restrictions: Do not rotate to crops other than canola, cotton, crambe, dry beans, lentils, mint (spearmint or peppermint), peas (dry or succulent), snap beans, soybeans, or sugarbeets within 120 days after application.

Pre Harvest Interval: Do not apply MON 78746 to cotton or soybeans within 80 days of harvest.

Grazing: Do not graze livestock in treated areas. In addition, do not feed forage, hay, or straw from treated areas to livestock.

6.0 MIXING

Clean sprayer parts immediately after using this product by thoroughly flushing with water.

NOTE: REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, SUCH AS VISIBLY MUDDY WATER OR WATER FROM PONDS AND DITCHES THAT IS NOT CLEAR.

6.1 Mixing with Water

This product mixes readily with water. Mix spray solutions of this product as follows: Fill the mixing or spray tank with 1/4 to 1/3 required amount of water. While agitating, add the recommended amount of this product and continue agitating until MON 78746 is completely dispersed. Once MON 78746 is fully dispersed, maintain agitation and continue filling with water. Use caution to avoid siphoning back into the carrier source. Use approved anti-back-siphoning devices where required by state or local regulations. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, use an approved anti-foam or defoaming agent.

6.2 Tank Mixing Procedure

Buyer and all users are responsible for all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly recommended in this labeling. Mixing this product with herbicides or other materials not recommended on this label may result in reduced performance or crop injury.

Mix labeled tank mixtures of this product with water as follows:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the spray tank one-half full with water and start agitation.
3. If a wettable powder is used, make a slurry with the water carrier, and add it SLOWLY through the screen into the tank. Continue agitation.
4. If a flowable formulation is used, premix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
5. If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water. Add diluted mixture slowly through the screen into the tank. Continue agitation.

11/25

6. Continue filling the spray tank with water and add the required amount of this product near the end of the filling process.
7. Add individual formulations to the spray tank as follows: wettable powder, flowable, emulsifiable concentrate, drift control additive and water soluble liquid.

Maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed.

Keep by-pass line on or near the bottom of the tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50 mesh.

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

Refer to the "Tank Mixing" section of "GENERAL INFORMATION" for additional precautions.

6.3 Ammonium Sulfate

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, particularly when tank mixed with certain residual herbicides on annual and perennial weeds. The equivalent rate of ammonium sulfate in a liquid formulation may also be used. 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.

NOTE: When using ammonium sulfate, apply this product at rates recommended in this label. Lower rates will result in reduced performance.

6.4 Drift Control Additives

Drift control additives may be used with all equipment types. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label.

7.0 APPLICATION EQUIPMENT AND TECHNIQUES

Spray drift management: Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

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 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.

12/25

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

This product may be applied with the following application equipment:

Aerial--Fixed Wing and Helicopter

Ground Broadcast Spray--Boom or boomless systems, pull-type sprayer, floaters, pick-up sprayers, spray coupes and other ground broadcast equipment.

Injection Systems--Aerial or ground injection sprayers.

Post-directed or hooded applications-- Precision post-directed or hooded sprayers to Roundup Ready cotton through layby.

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES.

7.1 Equipment

DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT EXCEPT UNDER CONDITIONS AS SPECIFIED WITHIN THIS LABEL.

FOR AERIAL APPLICATION IN CALIFORNIA OR ARKANSAS, REFER TO THE FEDERAL SUPPLEMENTAL LABEL FOR AERIAL APPLICATIONS IN THAT STATE FOR SPECIFIC INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS.

Use the recommended rates of this herbicide in 3 to 15 gallons of water per acre unless otherwise specified on this label. Unless otherwise specified in this product's labeling, do not exceed 1 quart per acre. Aerial applications of this product may be made in annual cropping conventional tillage systems or fallow and reduced tillage systems.

Avoid direct application to any body of water.

Ensure uniform application--To avoid streaked, uneven or overlapped application, use appropriate marking devices.

AERIAL SPRAY DRIFT MANAGEMENT

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops.

1. The distance of the outermost nozzles on the boom must not exceed $\frac{3}{4}$ the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they should be observed.

Importance of droplet size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under

13/25

unfavorable environmental conditions (see the **Wind, Temperature and Humidity**, and **Temperature Inversion** sections of this label).

Controlling droplet size

- **Volume:** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with the higher rated flows produce larger droplets.
- **Pressure:** Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy protection. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure. *penetration*
- **Number of nozzles:** Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle orientation:** Orienting nozzles so that the spray is released backwards, parallel to the airstream, will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- **Nozzle type:** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.
- **Boom Length:** For some use patterns, reducing the effective boom length to less than 1/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application Height:** Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller droplets, etc.).

Wind

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **NOTE:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature inversions

14/25

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Equipment Maintenance

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 ARE MOST SUSCEPTIBLE.** The maintenance of an organic coating (paint), which meets aerospace specification MIL-C-38413, may prevent corrosion.

7.2 Ground Broadcast Equipment

Use the recommended rates of this product in 10 to 25 gallons of water per acre as a broadcast spray unless otherwise specified. As density of weeds increases, spray volume should be increased within the recommended range to ensure complete coverage. Carefully select proper nozzles to avoid spraying a fine mist. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

7.3 Injection Systems

This product may be used in aerial or ground injection spray systems. It may be used as a liquid concentrate or diluted prior to injecting into the spray stream. Do not mix this product with the concentrate of other products when using injection systems.

7.4 Post-directed or hooded applications to Roundup Ready Cotton

This product may be applied using precision post-directed or hooded sprayers to Roundup Ready cotton through layby. After the cotton reaches the four leaf (node) stage of development (the fifth true leaf is the size of a quarter), 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 1 quart per acre of this product. No more than two applications should be made from the fifth leaf through layby. 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.

15/25

8.0 Cotton and Soybeans - Preplant, Preemergence, and At-Planting Applications

MON 78746 is specifically designed to control volunteer Roundup Ready corn in addition to other weed species ordinarily controlled by Roundup® brand herbicide products. Unless volunteer Roundup Ready corn is present, Monsanto recommends using one of the Roundup brand herbicide products labeled for these uses instead of MON 78746.

USE INSTRUCTIONS: This product may be applied before, during or after planting cotton or soybeans. Applications must be made prior to emergence of the crop for cotton and soybean varieties that do not contain the Roundup Ready gene. Cotton or soybean varieties that do not contain the Roundup Ready gene will be severely injured or killed from contact with MON 78746.

RECOMMENDED USE RATES: MON 78746 applied at 1 quart per acre will control volunteer Roundup Ready corn, many annual grass and broadleaf weeds and burndown or suppress many perennial grass and broadleaf weeds. Refer to the "WEEDS CONTROLLED" section of this label for specific species.

An application of 1 to 2 quarts per acre of this product will control or suppress perennial weeds such as: bermudagrass, Canada thistle, common milkweed, hemp dogbane, horsenettle, nutsedge, quackgrass, rhizome johnsongrass, redvine, trumpet creeper, swamp smartweed, and wirestem muhly.

For best results, allow perennial weed species to achieve at least 6" of growth before spraying with MON 78746 herbicide.

TANK MIXTURES FOR SOYBEANS ONLY: The following tank mixtures may be applied before, during or after planting soybeans in conventional tillage systems or in previous crop residue.

CANOPY™	LASSO/ALACHLOR	PROWL
COMMAND™	LOROX/LINURON	PURSUIT™
DUAL	LOROX PLUS	PURSUIT PLUS
DUAL II	MICRO-TECH	SCEPTER™
FRONTIER	PARTNER	SENCOR™/LEXONE™
GEMINI™	PREVIEW™	SQUADRON™

For improved burndown in soybeans, this product may be tank-mixed with 2,4-D or 2,4-DB. See the 2,4-D label for intervals between application and planting.

Read and carefully observe the cautionary statements and all other information appearing on the labels of all herbicides used. Use according to the most restrictive label directions for each product in the mixture.

PRECAUTIONS, RESTRICTIONS: Unless otherwise instructed in this product's labeling, do not apply more than 1 quart of this product per acre by air. Do not make a single application of this product of more than 2 quarts per acre by ground. The combined total of all treatments must not exceed 3 quarts of this product per acre per year. The tank mix recommendations for soybeans in this section are not registered in California.

9.0 Roundup Ready® Crops - Over the Top Postemergent Applications

MONSANTO COMPANY RECOMMENDS USE OF THIS PRODUCT FOR POSTEMERGENCE APPLICATION ONLY ON COTTON AND SOYBEAN VARIETIES DESIGNATED AS CONTAINING THE ROUNDUP READY® GENE.

Applying this product to cotton or 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

16/25

fruit of crops, or any desirable plants other than cotton and soybean varieties that contain the Roundup Ready gene, since severe injury or destruction will result.

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

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.

See the "MIXING" and "APPLICATION EQUIPMENT AND TECHNIQUES" sections of this label for additional directions and restrictions on the application of this product.

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

NOTE: The following recommendations are based on a clean start at planting by using a burn down application or tillage to control existing weeds before crop emergence. In no-till and stale seedbed systems, a preplant burn-down treatment of MON 78746 applied at 1 to 2 quarts per acre or a Roundup® brand herbicide product applied according to label directions is recommended to control existing weeds prior to crop emergence.

9.1 Cotton with the Roundup Ready Gene

Use Recommendations

MON 78746 is specifically designed to control volunteer Roundup Ready corn and other weed species controlled by Roundup brand herbicide products. Unless volunteer Roundup Ready corn is present, Monsanto recommends using one of the Roundup brand herbicide products labeled for these uses instead of MON 78746.

Maximum Allowable Yearly Rates

1. Combined total per year for all applications	3.0 quarts per acre
2. Preplant, Preemergence applications	2.0 quarts per acre
3. Total in-crop applications from cracking to layby	3.0 quarts per acre
4. Maximum single application in-crop	1.0 quart per acre

NOTE:

Total in-crop applications of herbicides containing glyphosate as an active ingredient, whether applied as a mixture or separately, may not exceed 3 pounds per acre of glyphosate acid from the cracking stage to layby in Roundup Ready cotton. When using this product as part of an overall weed control program that includes other herbicides containing glyphosate as an active ingredient, calculate the application rates on the basis of glyphosate acid and ensure that the total use of this and other glyphosate containing products does not exceed stated maximum use rates.

Monsanto will not warrant crop safety or weed control when Roundup Ready cotton is treated with herbicides not specified on this label. Because of the potential for; 1) crop injury, 2) poor weed control from antagonism, and/or 3) rotational crop restrictions, other herbicides should not be applied postemergence as a tank mixture with MON 78746 herbicide.

Application Timing

17/25

Over-the-top applications: This product may be applied 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 1 quart 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.

Post-directed or hooded applications: This product may be applied using precision post-directed or hooded sprayers to Roundup Ready cotton through layby. After the cotton reaches the four leaf (node) stage of development (the fifth true leaf is the size of a quarter), 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 1 quart per acre of this product. No more than two applications should be made from the fifth leaf through layby. 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.

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. One quart 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.**

NOTE:

When using this product as part of an overall weed control program that includes other herbicides containing glyphosate as an active ingredient, calculate the application rates on the basis of glyphosate acid and ensure that the use of this and other glyphosate containing products does not exceed stated maximum use rates or violate application intervals allowed for any single or combination of in-crop applications on this label (over-the-top, post-directed, hooded or salvage treatments).

ATTENTION: USE OF MON 78746 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.

An in-crop application of this product will provide effective control of the initial stand of labeled weeds. Refer to the "WEEDS CONTROLLED" section of this label for a list of the weeds controlled or suppressed by this product. For best results, an initial application of 1 quart per acre on 3 - 6" annual weeds is recommended for most situations. Weeds will generally be 3 - 6" tall 2 to 3 weeks after planting. While volunteer corn will often be larger than most weeds at this timing, MON 78746 will control volunteer corn up to 18" tall. In some cases, a sequential application of this product at 1 quart per acre may be necessary to control late flushes of weeds.

If black nightshade, Florida pusley, groundcherry, hemp sesbania, morningglory species, Pennsylvania smartweed or spurred anoda are present, apply 1 quart per acre while these weeds are 2 - 4" tall.

18/25

9.2 Soybeans with the Roundup Ready Gene

Use Recommendations

MON 78746 is specifically designed to control volunteer Roundup Ready corn in addition to other weed species ordinarily controlled by Roundup brand herbicide products. Unless volunteer Roundup Ready corn is present, Monsanto recommends using one of the Roundup brand herbicide products labeled for these uses instead of MON 78746.

Maximum Allowable Application Rates

- | | |
|--|-------------------|
| 1. Combined total per year for all applications | 3 quarts per acre |
| 2. Preplant, Preemergence applications | 2 quarts per acre |
| 3. Total in-crop applications from cracking throughout flowering | 2 quarts per acre |
| 4. Maximum single application in-crop | 2 quarts per acre |

Monsanto will not warrant crop safety or weed control when Roundup Ready soybeans are treated with herbicides not specified on this label. Because of the potential for: 1) crop injury, 2) poor weed control from antagonism, and/or 3) rotational crop restrictions, other herbicides should not be applied postemergence as a tank mixture with MON 78746 herbicide.

Application Timing

The following rate and application timing recommendations will provide control of volunteer Roundup Ready corn, labeled grasses, and broadleaf weeds in conventional and no-till Roundup Ready soybean production systems. Refer to the "WEEDS CONTROLLED" section of this label for specific weeds species.

NOTE: Volunteer corn is often considerably taller than most annual weed species. The following recommendations are based on annual weed species other than volunteer corn. MON 78746 will effectively control volunteer corn up to 18" tall.

MIDWEST/ MID-ATLANTIC RECOMMENDATIONS

Narrow row or drilled soybeans: A single in-crop application of this product will provide effective control of labeled weeds. For best results, an initial application of 1 quart per acre, on 4 - 8" weeds is recommended. Weeds will generally be 4 - 8" tall 3 to 5 weeks after planting. If the initial application is delayed and weeds are 8 - 18" tall, use 1.5 quarts per acre for best results.

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 1 quart per acre may be necessary to control late flushes of weeds.

Wide row soybeans: An in-crop application of this product will provide effective control of the initial stand of labeled weeds. For best results, an initial application of 1 quart per acre, on 4 - 8" weeds is recommended. Weeds will generally be 4 - 8" tall 3 to 5 weeks after planting. If new flushes of weeds occur, they can be controlled by sequential applications of this product.

Initial and Sequential (if needed) Applications

<u>Weed Height</u> <u>(inches)</u>	<u>Rate</u> <u>(qts/A)</u>
4-8	1

19/25

8-18

1.5

Giant ragweed: Apply 1 quart per acre when the weed is 8 -12" tall to avoid the need for sequential application.

Black nightshade, Pennsylvania smartweed, velvetleaf and waterhemp: Apply 1 quart per acre to weeds 3 - 6" tall and 1.5 quarts per acre when weeds are up to 12 inches tall.

Morningglory species: Apply 1 quart per acre when weeds are up to 4 inches tall, and 1.5 quarts per acre when weeds are up to 6 inches tall.

Some weeds, such as black nightshade, woolly cupgrass, shattercane, wild proso millet, burcumber, 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 1 quart of this product per acre for sequential applications.

SOUTHEAST RECOMMENDATIONS

Narrow row, drilled, or wide-row soybeans: An in-crop application of this product will provide effective control of the initial stand of labeled weeds. For best results, an initial application of 1 quart per acre, on 3 - 6" weeds is recommended. Weeds will generally be 3 - 6" tall 2 to 3 weeks after planting.

Initial Treatment

Weed Height <u>(inches)</u>	Rate <u>(qts/A)</u>
3-6	1
6-12	1.5

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 1 quart per acre may be necessary to control late flushes of weeds.

Sequential Application (if needed)

Weed Height <u>(inches)</u>	Rate <u>(qt/A)</u>
6-12	1

Florida pusley, hemp sesbania and spurred anoda: Apply 1 quart per acre to weeds 2 - 4" for the initial application. Apply 1 quart per acre when these weeds are 3 - 6" tall if a sequential application is necessary.

Morningglory, black nightshade, groundcherry, and Pennsylvania smartweed: Apply 1 quart per acre on 3 - 6" weeds, or 1.5 quarts per acre on 6 - 12" weeds for the initial application.

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 1 quart per acre for sequential applications.

20/25

DELTA/MID-SOUTH RECOMMENDATIONS

Narrow row, drilled, or wide row soybeans: An in-crop application of this product will provide effective control of the initial stand of labeled weeds. A sequential application will be required to control new flushes of weeds. For best results, an initial application of 1 quart per acre, on 2 - 4" weeds is recommended. Weeds will generally be 2 - 4" tall 2 to 3 weeks after planting.

<u>Initial Treatment</u>	
Weed Height (inches)	Rate (qts/A)
2-4	1
5-12	1.5

<u>Sequential Application</u>	
Weed Height (inches)	Rate (qts/A)
6-12	1

Hemp sesbania and spurred anoda: Apply a sequential treatment of 1 quart per acre on 3 - 6" weeds if necessary

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.

PERENNIAL WEEDS RATE RECOMMENDATIONS

A 1 to 2 quarts per acre rate (single or multiple applications) of this product will control or suppress perennial weeds such as: bermudagrass, Canada thistle, common milkweed, field bindweed, hemp dogbane, horsenettle, marestalk (horseweed), nutsedge, quackgrass, rhizome johnsongrass, redvine, trumpetcreeper, swamp smartweed, and wirestem muhly.

For best results, allow perennial weed species to achieve at least 6" of growth before spraying with MON 78746 herbicide.

10. WEEDS CONTROLLED

When applied as directed under conditions described, this product will control or suppress the following EMERGED WEEDS.

10.1 Annual Weeds

ANNUAL GRASSES

Barnyardgrass
Echinochloa crus-galli

Broadleaf signalgrass
Brachiaria platyphylla

Bluegrass, annual
Poa annua

Brome, downy
Bromus tectorum

Corn, volunteer

21/25

Zea mays

Corn, volunteer Roundup Ready

Zea mays

Crabgrass

Digitaria ischaemum

Digitaria sanguinalis

Cupgrass, woolly

Eriochloa villosa

Foxtail, giant

Setaria faberi

Foxtail, green

Setaria viridis

Foxtail, yellow

Setaria lutescens

Goosegrass

Eleusine indica

Millit, wild proso

Panicum miliaceum

Panicum, fall

Panicum dichotomiflorum

Sandbur, Grassbur

Cenchrus spp.

Shattercane

Sorghum bicolor

Signalgrass, broadleaf

Brachiaria platyphylla

Sprangletop, red

Leptochloa filiformis

Texas panicum

Panicum texanum

Wheat, volunteer

Triticum aestivum

ANNUAL BROADLEAVES

Burcucumber

Sicyos anquilatus

Buttercup, smallflower

Ranunculus abortivus

Carpetweed

Mollugo verticillata

Chickweed, common

Stellaria media

Cocklebur

Xanthium strumarium

Fleabane

Erigeron spp.

Groundcherry sp.
Physalis sp.

Hemp sesbania
Sesbania exaltata

Henbit
Lamium Amplexicaule

Kochia
Kochia scoparia

Lambsquarters
Chenopodium album

Lettuce, prickly
Lactuca serriola

Mustard sp.
Brassica spp.

Marestail, Horseweed
Conyza canadensis

Nightshade, black
Solanum nigrum

Pennycress, field
Thlaspi arvense

**Pigweed; Carelessweed,
redroot**
Amaranthus retroflexus

Pigweed, smooth
Amaranthus hybridus

Pepperweed. spp
Lepidium spp.

Pusley, Florida
Richardia scabra

Ragweed, common
Ambrosia artemisiifolia

Ragweed, giant
Ambrosia trifida

Shepherd's purse
Capsella bursa-pastoris

Sicklepod
Cassia obtusifolia

Smartweed
Polygonum pensylvanicum

Spurred anoda
Anoda cristata

Sunflowers
Helianthus annuus

Thistle, Russian
Salsola kali

Velvetleaf, (Buttonweed)
Abutilon theophrasti

Waterhemp, tall
Amaranthus, tuberculatus

10.2 Perennial Weeds

To CONTROL or SUPPRESS the following EMERGED Perennial weeds, apply this product POSTEMERGENCE as directed.

PERENNIAL GRASSES

Bermudagrass
Cynodon dactylon

Bluegrass, Kentucky
Poa spp.

Bromegrass, smooth
Bromus innermost

Fescue
Festuca spp.

Muhly, wirestem
Muhlenbergia frondosa

Johnsongrass
Sorghum halepense

Orchardgrass
Dactylis glomerata

Quackgrass
Agropyron repens

Ryegrass, perennial
Lolium perenne

Timothy
Phleum pratense

PERENNIAL BROADLEAVES

Alfalfa
Medicago sativa

Clover, red
Trifolium pratense

Clover, white
Trifolium repens

Dock, curly
Rumex crispus

Dogbane, hemp
Apocynum cannabinum

Horsenettle
Solanum carolinense

Milkweed
Asclepias spp.

Mullein, common

24/25

Verbascum thapsus

Redvine

Brunnichia ovata

Smartweed, swamp

Polygonum coccineum

Thistle, Canada

Cirsium arvense

Trumpet creeper

Campsis radicans

11.0 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. 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.

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, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, 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.

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.

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. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

25/25

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

Frontier is a trademark of BASF Corporation

Lasso, Micro-Tech, Partner, and Roundup are registered trademarks of Monsanto Company.

Canopy, Gemini, Lexion, Lorox and Preview are trademarks of E.I. duPont de Nemours and Company.

Dual and Dual II are trademarks of Novartis Corporation.

Sencor and Turbo are trademarks of Bayer AG.

Prowl, Pursuit, Pursuit Plus, Scepter, and Squadron are trademarks of American Cyanamid Company.

Command is a trademark of FMC Corporation.

This product is protected by
U.S. Patent No. 4,405,531.
Other patents pending.
No license granted under any
non-U.S. patent(s).

EPA Reg. No. 524-xxx

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

©MONSANTO COMPANY
MONSANTO COMPANY
ST. LOUIS, MISSOURI, 63167 USA

NEXT

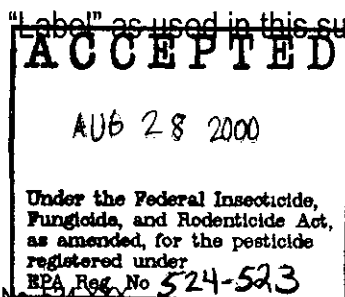
LABEL

524-523

08/28/2000
SUPPLEMENTAL LABELING

1/1

READ THE ENTIRE LABEL FOR MON 78746 HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.



EPA Reg. No. 524-XXXX

"Label" as used in this supplemental labeling refers to the label booklet for MON 78746 and this supplement.

MON 78746 Herbicide

® MON 78746 is a registered trademark of Monsanto Company.

FOR AERIAL APPLICATION IN ARKANSAS ONLY

Keep out of reach of children.

DANGER! PELIGRO!

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

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

DIRECTIONS FOR USE

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

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

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY® CROPS), DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

See "GENERAL INFORMATION" and "MIXING" sections of the label booklet for MON 78746 herbicide for essential product performance information.

USE DIRECTIONS

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% of the length of the wingspan or rotor. In many cases, reducing this distance to 65% of the length of the wingspan or rotor will improve drift control without affecting the swath width.

Nozzles must always discharge backward 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 mph.

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.

Read the "Limit of Warranty and Liability" in the label booklet for MON 78746 herbicide before using. These terms apply to this supplemental labeling and if these terms are not acceptable, return the product unopened at once.

© Monsanto Company 2000
MONSANTO COMPANY
ST. LOUIS, MISSOURI 63167

04400088

NEXT

LABEL

524-523

08/28/2000
SUPPLEMENTAL LABELING

1/2

READ AND FOLLOW THE ENTIRE LABEL FOR MON 78746 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 MON 78746 herbicide and this supplement.

MON 78746 Herbicide

EPA Reg. No. 524-XXX

MON 78746 and Roundup Ready are registered trademarks of Monsanto Company.

FOR AERIAL APPLICATION IN CALIFORNIA ONLY.

Keep out of reach of children.

DANGER! PELIGRO!

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

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

DIRECTIONS FOR USE

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

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

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:

1. In fallow and reduced tillage systems prior to the emergence or transplanting of labeled crops.
2. In cotton, prior to harvest. Refer to the MON 78746 herbicide booklet for specific preharvest application instructions.

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.

DO NOT EXCEED A MAXIMUM RATE OF 2 QUARTS PER ACRE OF THIS PRODUCT WHEN MAKING APPLICATIONS BY AIR IN FALLOW AND REDUCED TILLAGE SYSTEMS.

DO NOT EXCEED A MAXIMUM RATE OF 1 QUART PER ACRE OF THIS PRODUCT WHEN MAKING APPLICATIONS BY AIR IN COTTON, PRIOR TO HARVEST.

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 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).

04100088

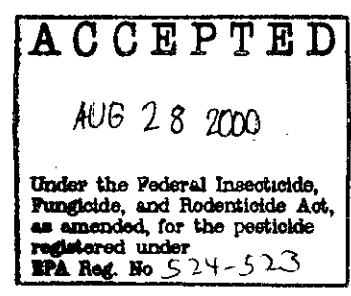
- 2. If wind up to 5 miles per hour is blowing toward desirable vegetation or crop(s), do not apply within 500 feet of the desirable vegetation or crop(s).
- 3. Winds blowing from 5 to 10 miles per hour toward desirable vegetation or crop(s) may require buffer zones in excess of 500 feet.
- 4. Do not 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.

Read the "LIMIT OF WARRANTY AND LIABILITY" in the label for MON 78746 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.

©2000 MONSANTO COMPANY
ST. LOUIS, MISSOURI 63167



NEXT

LABEL

524-523

08/28/2000
SUPPLEMENTAL LABELING

1/1

READ AND FOLLOW THE ENTIRE LABEL FOR MON 78746 HERBICIDE AND THE "FOR AERIAL APPLICATION IN CALIFORNIA ONLY" SUPPLEMENTAL LABEL BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

"Label" as used in this supplemental labeling refers to the label booklet for MON 78746, the "FOR AERIAL APPLICATION IN CALIFORNIA ONLY" supplemental label and this supplement.

MON 78746 Herbicide

EPA Reg. No. 524-xxx

ACCEPTED FOR AERIAL APPLICATION IN FRESNO COUNTY, CALIFORNIA ONLY

AUG 23 2000

From February 15 through March 31 Only

Keep out of reach of children.

DANGER! PELIGRO!

U.S. the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-523

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

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

MON 78746 is a registered 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 (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY® CROPS), DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

See "GENERAL INFORMATION" and "MIXING" sections of the label booklet for MON 78746 herbicide for essential product performance information.

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.

Read the "Limit of Warranty and Liability" in the label booklet for MON 78746 herbicide before using. These terms apply to this supplemental labeling and if these terms are not acceptable, return the product unopened at once.

©Monsanto Company 2000
MONSANTO COMPANY
ST. LOUIS, MISSOURI 63167

0430F0088