

524-497

09-20-2007

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SEP 20 2007

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

Dear Mr. Gustafson:

Subject: Field Master Herbicide (Revised Label and Atrazine Reregistration)
EPA Registration No. 524-497
Application Dated July 20, 2007

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable, provided you make the required changes before you release the product for shipment.

1. In the Contents, revise 5.2 to read "Tile-**Outletted** Terraced Fields, containing Standpipes."
2. Delete the statement "May cause Allergic Skin Reaction" from your Precautionary Statements.
3. It is recommended that your First Aid Statements be reordered to read "If Swallowed", "If Inhaled", "If in Eyes", "If on Skin or Clothing".
4. On page 11, revise the heading for 5.2 to read "Tile-**Outletted** Terraced Fields Containing Standpipes."
5. Revise the first sentence under 5.2 to read "To ensure protection of surface water from runoff through standpipes with tile outlets in terraced fields, one of following **restrictions** must be used in applying atrazine to tile-outletted terraced fields.

Submit one (1) copy of your final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling supersedes all previously accepted ones. A stamped copy of labeling is enclosed for your records.

The reregistration requirements for the atrazine component of this product are satisfied.

Sincerely,

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

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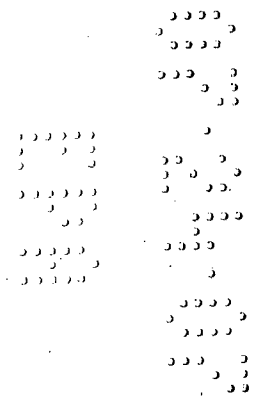
MASTER LABEL FOR EPA REG. NO. 524-497

Registered Brand Names:

**FIELD MASTER Herbicide
MON 58442**

I.	Main Label for Crop Uses	2 - 27
II.	Supplemental Labeling	none

Field Master 11/18/04 stamp
Submission dated 07/20/2007
Revise format add IRED language
4/07 Update to Roundup Ready references



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FIRST AID:	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye 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 eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR ON CLOTHING	<ul style="list-style-type: none"> • 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. • Sensitized persons should avoid further contact and reuse of contaminated clothing
IF SWALLOWED	<ul style="list-style-type: none"> • Call 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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. • Call a poison control center or doctor for further treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. This product is identified as Field Master Herbicide, EPA Registration No. 524-497. You may also contact (314) 694-4000, collect day or night, for emergency medical treatment information.</p>	

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 A on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, flaggers and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves such as polyethylene or polyvinylchloride, shoes plus socks, and chemical-resistant apron when mixing/loading, cleaning up spills, or cleaning equipment, or otherwise exposed to the concentrate.

See Engineering Controls for additional requirements.

Engineering Controls: When applicators use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (5)], the applicator PPE requirements may be reduced or modified as specified in the WPS.

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

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IMPORTANT: When reduced PPE is worn because an enclosed system is being used, applicators must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

User Safety Recommendations:
Users should:
• Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
• Remove clothing/PPE 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

Atrazine can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. Atrazine has been found in ground water. Users are advised not to apply atrazine to sand and loamy sand soils where the water table (ground water) is close to the surface and where these soils are very permeable, i.e., well drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

Ground water contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

This product is toxic to fish and aquatic invertebrates. 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 apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater.

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 erosion. Practices should be followed to minimize the potential for dissolved runoff and/or runoff erosion.

See Use Restrictions and Tile Outletted Terraced Fields sections for additional specific information.

3.3 Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied only in stainless steel, aluminium, fiberglass, plastic and 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 flames, sparks, welder's torch, lighted cigarette or other ignition sources.

Field Master 11/18/04 stamp
Submission dated 07/20/2007
Revise format add IRED language
4/07 Update to Roundup Ready references

Handwritten marks and scribbles at the bottom right of the page.

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FOR REFILLABLE PORTABLE (Mini-bulk) OR BULK CONTAINERS:Instructions for Users: When the container is empty, replace the cap and seal all openings that have been made during usage, and return the container to the point of purchase, or to an alternate location designated by the registrant at the time of purchase of this product. If not returned to the point of purchase or a designated location, triple rinse or pressure rinse the empty container and offer it for recycling if available. If not refilled or recycled, 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.

Instructions for Users and Refillers: This container must only be refilled with this pesticide product. Do not reuse this container for any other purpose. Do not transport if this container is damaged or leaking. If the container is damaged or leaking or obsolete, or to obtain information about recycling refillable containers, contact Monsanto Company at 1-800-768-6387. Cleaning is not necessary prior to refilling with the same product. Clean container before final disposal. Disposal of this container must be in compliance with state and local regulations.

Instructions for Refillers: Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transporting. If the container cannot be refilled, triple rinse or pressure rinse the empty container and offer for recycling if available. If not refilled or recycled, 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 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

This product, applied alone or in tank mixtures, is recommended for the preemergence and postemergence control of many annual grasses and broadleaf weeds in corn grown under NO-TILL or other minimum tillage practices. This product will also provide reduced competition from certain emerged perennial weeds.

MOISTURE CONDITIONS

Rainfall or sprinkler irrigation within 2 hours after application may reduce control of emerged weeds.

Moisture in the form of rainfall or irrigation is required after application to move this product into the weed germination zone for preemergence weed control. The amount of moisture required depends on the soil moisture content at the time of application, soil type, and plant residues. Performance is improved when 1/3 to 3/4 inch of moisture is received within one week after application and prior to weed emergence. High intensity or excessive rainfall or irrigation after application may reduce preemergence weed control on coarse soils.

Read and carefully observe Precautionary Statements and all other information appearing on the labeling of all products used in mixtures and sequential products. Use according to the most restrictive label directions for each product in the mixture.

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NOTE: Use this product for weed control in corn only. CORN (including sweet corn), MILO (SORGHUM), OR SOYBEANS CAN BE PLANTED THE YEAR FOLLOWING THE USE OF THIS PRODUCT. IF SOYBEANS ARE TO BE PLANTED THE FOLLOWING YEAR, THERE IS THE POSSIBILITY OF CROP INJURY DUE TO CARRYOVER OF ATRAZINE. Do not plant soybeans in areas where furrow irrigation is practiced.

ATTENTION

MIX THIS PRODUCT ONLY IN WATER OR LIQUID NITROGEN FERTILIZER CARRIERS (28 PERCENT OR 32 PERCENT SOLUTIONS ONLY) DO NOT MIX THIS PRODUCT WITH COMPLEX LIQUID FERTILIZERS (10-34-0, FLOWABLES, ETC.), HERBICIDE OILS OR ANY MATERIALS OTHER THAN THOSE LISTED ON THIS LABEL.

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

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. Do not apply to the following soils where 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.

This product must not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. This product must not be applied within 66 feet of all points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 feet around natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66-foot buffer or set-back from runoff points must be planted to a crop or seeded with grass or other suitable crop. Where there are state/local requirements regarding atrazine use (including lower maximum rates and/or higher set-backs) which are different from the label, the more restrictive/protective requirements apply.

This product must not be mixed or loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sink holes. 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 sites.

Additional state imposed requirements regarding well-head setbacks and operational containment area must be observed.

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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 should 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 treatment to 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.

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

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

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

Low humidity and high temperature increases the likelihood of spray drift to sensitive areas. Avoid spraying during conditions of low humidity and/or high temperature. 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.

For field corn forage use, allow 60-day preharvest interval.

Flush sprayer with clean water after use.

The maximum broadcast application rates for corn:

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- If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.
- Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on soils that are not highly erodible or on highly erodible soils (as defined by the Natural Resources Conservation Service) if at least 30 percent of the soil is covered with plant residues, or
- Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils (as defined by the Natural Resources Conservation Service) if less than 30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied postemergence.

When tank-mixing or sequentially applying, atrazine or products containing atrazine to corn, the total pounds atrazine applied (pound active ingredient per acre) must not exceed 2.5 pounds active ingredient per acre per year.

DO NOT APPLY THIS PRODUCT TO EMERGED CORN UNLESS THE CORN CONTAINS A GLYPHOSATE TOLERANCE GENE.

DO NOT FEED FORAGE FROM CORN OR GRAZE TREATED AREAS WITHIN 60 DAYS AFTER APPLICATION

5.2 Tile-Terraced Fields Containing Standpipes

To ensure protection of surface water from runoff through standpipes with tile-outlets in terraced fields, one of the following options must be used in applying atrazine to tile-terraced fields containing standpipes:

1. Do not apply this product within 66 feet of standpipes in tile-outletted terraced fields.
2. Apply this product to the entire tile-outletted terraced field and immediately incorporate it to a depth of 2 to 3 inches in the entire tile-outletted field.
3. Apply this product to the entire tile-outletted terraced field under a no-till practice only when a high crop residue management practice is used. High crop residue management is described as a crop management practice where little or no crop residue is removed from the field during and after crop harvest.

6.0 SOIL TEXTURE

Applicators should evaluate soil and weed conditions carefully to assure that they choose the correct label rate. The recommended use rates of this product and the other herbicides labeled for use in tank mixtures with this product generally vary with soil texture. Unless soil texture is specifically named, rate tables throughout this label refer to only three soil texture groups: COARSE, MEDIUM and FINE. The following is a complete listing of soil textures included in each of these three soil texture 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 texture group for the soil to be treated.

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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.

Always predetermine the compatibility of this product or labeled mixtures of this product with water carrier or sprayable fluid fertilizer carrier by mixing small proportional quantities in advance. See the "STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST" section in this label to determine the compatibility of this product and labeled tank mixtures recommended for use with sprayable fluid fertilizer carrier.

NOTE: Reduced results may occur if muddy water is used, such as water from ponds or ditches.

7.1 Mixing Instructions

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 direction for use, cautionary statements and all other information appearing on the selected compatibility agent label. Check for adequate agitation.
4. Add tank mix components. If a wettable powder is used, make a slurry with water, and add it SLOWLY through the screen into the tank. Continue agitation.

If flowable herbicides are used, add slowly through screen into the tank. Mixing and compatibility may be improved when flowable is premixed one-part flowable with one-part water. Add diluted mixture SLOWLY through the screen into the tank.

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5. Premix one part of this product with one part water. Add diluted mixture SLOWLY through the screen into the tank.
6. Complete filling the sprayer tank with water. Remove hose from tank immediately to avoid siphoning back into the water source. Maintain good agitation at all times until the contents of the tank are sprayed.

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 bypass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50-mesh. Carefully select proper nozzle to avoid spraying a fine mist. Check for even distribution of spray droplets. For best results with ground application equipment, use flat-fan or whirl-chamber nozzle. To reduce loss of chemical due to drift of a fine mist, apply at pressures less than 40 psi.

7.2 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 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.

7.3 Standard Sprayable Fluid Fertilizer Compatibility Test

Herbicides may not always mix evenly throughout a sprayable fluid fertilizer or the components may separate too quickly to make their combined use of practical value. This may be due to certain characteristics of the different fluid fertilizers. A simple test using small quantities of the components is suggested to provide compatibility potential. The test follows:

A. Materials Required For A Compatibility Test

1. Two one-quart jars with lid or stopper (marked "with" and "without").
2. TEAspoons (for a more exacting test, a five to ten milliliter (mL) pipette or graduated cylinder is desirable).
3. Sprayable fluid fertilizer to be tested.
4. The herbicide chemicals to be mixed.
5. A compatibility agent (the purpose of the adjuvant is to help keep the fertilizer and crop protection chemical in suspension, if this assistance is needed).

B. Procedure

1. Add one pint of the sprayable fluid fertilizer that will be used or other herbicide carrier to each jar marked "with" and "without".

Add One Pint Liquid Fertilizer To Two Quart Jars.	
WITH	WITHOUT

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2. To the jar marked "with", add 1/4 TEAspoon or 1.2 milliliters of a suitable compatibility agent; shake gently for five to ten seconds to mix. (1/4 Teaspoon in one pint is the equivalent of two pints per 100 gallons of liquid fertilizer.)

To Jar Marked "With" Add Compatibility Agent And Shake to Mix	
WITH	WITHOUT

3. To each jar add the appropriate amount of herbicide(s). If more than one is used, add them separately with the wettable powders or dry flowables added first, flowables second and liquid last. Shake gently five to ten seconds after each addition.

Add Herbicide(s) To Both Jars And Shake to Mix	
WITH	WITHOUT

HERBICIDE	RATE/ACRE		Amount to be Added per Pint of Sprayable Fluid Fertilizer (Assuming Volume is 25 gallons/Acre) Level TEAspoons
Wettable Powders or Dry Flowables	1 pound	=	1.5
	2 pounds	=	3.0
	3 pounds	=	4.5
	4 pounds	=	6.0
	5 pounds	=	7.5

HERBICIDE	RATE/A		Level TEAspoons	MILLILITERS
Emulsifiable Concentrates or Flowables or Liquids or Solutions	1 pint	=	0.5	2.4
	1 quart	=	1.0	4.7
	2 quarts	=	2.0	9.5
	3 quarts	=	3.0	14.2
	1 gallon	=	4.0	19.0
	5 quarts	=	5.0	23.8

This compatibility test is designed for 25 gallons of spray per acre with the maximum labeled rate of herbicide. For changes in spray volume or herbicide rate, make appropriate changes in the ingredients of

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the test. Regardless of spray volume, the amount of compatibility agent should be equal to two or three pints (two pints = 1/4 TEAspoon or 1.2 milliliters, three pints = 3/8 TEAspoon or 1.8 milliliters per pint of sprayable fluid fertilizer) per 100 gallons of liquid fertilizer.

C. Observations and Decisions

1. If the herbicide(s) and the sprayable fluid fertilizer are compatible.
2. If a compatibility agent is necessary.

Five minutes after the final addition and mixing, observe both jars for the formation of large flakes, sludge, gels or other precipitates. Observe if the herbicide(s) cannot be physically mixed with the liquid fertilizer but remains as small oily particles in the solution.

If incompatibility in any form described above occurs in the jar "with" the compatibility agent added, the liquid fertilizer and the herbicide(s) should not be used together in the same spray tank.

If incompatibility as described above occurs in the jar "without" the adjuvant but not in the jar "with" adjuvant, the use of a compatibility adjuvant is recommended.

Both jars should be allowed to stand and be observed periodically for one-half hour. If the separate layers of liquid fertilizer and additives can be resuspended by shaking, commercial application is possible. An emulsifiable concentrate normally will go to the top after standing; wettable powders will either settle to the bottom of the tank or jar, or float to the top, depending upon the density of the fertilizers.

If the herbicide(s) is compatible with fluid fertilizer in the foregoing test without having to use a compatibility agent, fluid fertilizer may be used for the premixing. If it is not compatible without the compatibility agent, the herbicide(s) should be premixed with water before adding to the spray tank.

8.0 APPLICATION SYSTEMS

SHAKE CONTAINER VIGOROUSLY PRIOR TO MIXING AND USE.

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

8.1 Broadcast Treatment

Apply this product and labeled tank mixtures of products in 10 to 20 gallons of water, or 10 to 50 gallons of liquid nitrogen (28 percent or 32 percent solutions only) per acre, before, during or after planting, but **PRIOR TO CROP EMERGENCE**. Application of this product in fluid fertilizer should only be used for treatment of annual weeds less than 6 inches tall. Spray coverage should be uniform and complete. Under conditions of dense stubble or plant residue or very high weed populations, higher rates within the recommended ranges may be needed for best results.

DO NOT APPLY BY AIR.

MIX ONLY WITH CLEAN WATER.

8.2 Ammonium Sulfate

The addition of ammonium sulfate in the spray solution may increase the performance of this product and tank mixtures with this product on emerged annual weeds under adverse growing conditions. When using ammonium sulfate, add 2 percent dry ammonium sulfate by weight or 17 pounds per 100 gallons of

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water. Ammonium sulfate should be added to the water in the spray tank and completely dissolved prior to adding herbicide or surfactant. Do not mix ammonium sulfate in fluid fertilizer solutions.

If ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet lines. Nozzle tip plugging may result from the use of low-quality ammonium sulfate. To determine quality, perform a jar test by adding 1/3 cup of ammonium sulfate to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, pre-dissolve the ammonium sulfate in water and filter prior to addition to the spray tank.

Following use of ammonium sulfate, thoroughly rinse the spray system with clean water to reduce corrosion.

NOTE: Additional surfactants are not required with this product.

9.0 WEEDS CONTROLLED

When applied as directed under conditions described, this product alone or in tank mixtures with other products listed will control or reduce competition from the following EMERGED WEEDS.

PRECAUTIONS, RESTRICTIONS: Applications of 2,4-D or dicamba must be made at least 7 days prior to planting corn. Follow all precautions and restrictions on the 2,4-D and dicamba labels.

Reduced control of emerged weeds may occur when weeds are under poor growing conditions such as from drought stress, when application follows recent mowing or when excessive amounts of dust cover the plants.

9.1 Emerged Annual Grasses Controlled

Barnyardgrass
Echinochloa crus-galli

Bluegrass, annual
Poa annua

Brome, downy
Bromus tectorum

Corn, volunteer
Zea mays

Crabgrass
Digitaria ischaemum
Digitaria sanguinalis

Foxtail, giant
Setaria faberi

Foxtail, green
Setaria viridis

Foxtail, yellow
Setaria lutescens

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Panicum, fall
Panicum dichotomiflorum

Sandbur, field
Cenchrus spp.

Shattercane
Sorghum bicolor

Signalgrass, broadleaf
Brachiaria spp.

Wheat, volunteer
Triticum aestivum

For difficult-to-control ANNUAL WEEDS such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 3 inches tall and smartweed up to 6 inches tall, apply this product at 5 quarts per acre alone or with tank mixture.

For other labeled annual weeds, apply 4 quarts per acre when weed are less than 6 inches tall, and 5 quarts per acre when weeds are 6 to 12 inches tall.

For improved burndown of broadleaf weeds this product maybe tank mixed with 2,4-D or dicamba.

9.2 Emerged Annual Broadleaves Controlled

Buttercup, smallflower
Ranunculus abortivus

Carpetweed
Mollugo verticillata

Chickweed, common
Stellaria media

Cocklebur
Xanthium strumarium

Fleabane
Erigeron spp.

Henbit
Lamium Amplexicaule

Kochia
Kochia scoparia

Lambsquarters
Chenopodium album

Lettuce, prickly

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Lactuca serriola

Mustard sp.
Brassica spp.

Marestail; Horseweed
Conyza canadensis

Pennycress, field
Thlaspi arvense

Pigweed; Carelessweed, redroot
Amaranthus retroflexus

Pigweed, smooth
Amaranthus hybridus

Pepperweed, spp.
Lepidium spp.

Ragweed, common
Ambrosia artemisiifolia

Ragweed, giant
Ambrosia trifida

Shepherd's-purse
Capsella bursa-pastoris

Smartweed
Polygonum pensylvanicum

Sunflowers
Helianthus annuus

Thistle, Russian
Salsola kali

Velvetleaf; Buttonweed
Abutilon theophrasti

Waterhemp, tall
Amaranthus tuberculatus

9.3 Emerged Perennial Grasses Partially Controlled

This product at 5 quarts per acre applied alone or in tank mixtures with other products listed will REDUCE COMPETITION from the following EMERGED PERENNIAL WEEDS:

Bluegrass, Kentucky
Poa spp.

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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

9.4 Emerged Perennial Broadleaves Partially Controlled

Alfalfa
Medicago sativa

Clover, red
Trifolium pratense

Clover, white
Trifolium repens

Dock, curly
Rumex crispus

Milkweed
Asclepias spp.

Mullein, common
Verbascum thapsus

Smartweed, swamp
Polygonum coccineum

Thistle, Canada
Cirsium arvense

9.5 Annual Grasses Controlled Preemergence

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This product applied alone or in tank mixture with other products will provide PREEMERGENCE CONTROL of the following weeds:

Barnyardgrass

Echinochloa crus-galli

Crabgrass

Digitaria ischaemum

Digitaria sanguinalis

Foxtail, giant

Setaria faberi

Foxtail, green, robust purple, robust white

Setaria viridis

Foxtail, yellow

Setaria lutescens

Goosegrass

Elusine indica

Oat, wild

Avena fatua

Panicum, browntop

Panicum fasciculatum

Panicum, fall

Panicum dichotomiflorum

Red, rice

Oryza sativa

Signalgrass, broadleaf

Brachiaria spp.

Sprangletop, red

Leptochloa filiformis

Wheat, volunteer

Triticum aestivum

Witchgrass

Panicum capillare

9.6 Annual Grasses Partially Controlled Preemergence

This product when applied just before or right after planting at rate of 4 to 5 quarts per acres on a broadcast basis will provide PREEMERGENCE reduced competition from the following HARD-TO-CONTROL weeds.

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Cupgrass, woolly
Eriochloa villosa

Panicum, Texas
Panicum texanum

Johnsongrass, seedling
Sorghum halepense

Sandbur; Grassbur
Cenchrus incertus

Millet, proso
Panicum miliaceum

Shattercane; Wild cane
Sorghum bicolor

9.7 Annual Broadleaves Preemergence

When applied as directed under conditions described, this product alone or in tank mixtures with products listed in the following table will provide preemergence control or reduced competition from the additional grass and broadleaf weeds as indicated. Refer to the "DIRECTIONS FOR USE" section of this label to determine the rate of this product to use alone or in tank mixtures.

NOTE: C = Control R = Reduced Competition

TANK MIXTURES

	TANK MIXTURE	
	Field Master	Princep TM
Beggarweed, Florida		
<i>Desmodium tortuosum</i>	C	C
Carpetweed		
<i>Mollugo verticillata</i>	C	C
Cocklebur*		
<i>Xanthium strumarium</i>	R	C
Jimsonweed		
<i>Datura stramonium</i>	C	C
Kochia		
<i>Kochia scoparia</i>	C	C
Lambsquarters		
<i>Chenopodium album</i>	C	C
Morningglory, annual*		
<i>Ipomoea purpurea</i>	R	C
Mustard		
<i>Brassica spp.</i>	C	C
Nightshade, black		
<i>Solanum nigrum</i>	C	C
Nightshade, hairy		
<i>Solanum sarrachoides</i>	C	C
Pigweed; Carelessweed, redroot		
<i>Amaranthus retroflexus</i>	C	C
Pigweed, smooth		
<i>Amaranthus hybridus</i>	C	C

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Purslane		
<i>Portulaca oleracea</i>	C	C
Pusley, Florida		
<i>Richardia scabra</i>	C	C
Ragweed, common		
<i>Ambrosia artemisiifolia</i>	C	C
Ragweed, giant		
<i>Ambrosia trifida</i>	R	C
Sandbur, field		
<i>Cenchrus spp.</i>	R	C
Sicklepod		
<i>Cassia obtusifolia</i>	R	R
Sida, prickly Teaweed		
<i>Sida spinosa</i>	C	C
Smartweed		
<i>Polygonum pennsylvanicum</i>		
<i>Polygonum persicaria</i>	C	C
Sunflower, common		
<i>Helianthus annuus</i>	R	C
Velvetleaf; Buttonweed		
<i>Abutilon theophrasti</i>	C	C
Waterhemp		
<i>Amaranthus tuberculatos</i>	C	C

*Use the maximum labeled rates to achieve control.

10.0 NO-TILL AND MINIMUM TILLAGE SYSTEMS FIELD CORN, PRODUCTION SEED CORN, SILAGE CORN AND POPCORN

When applied as directed under the conditions described, this product or labeled tank mixtures will control many emerged annual weeds, suppress many emerged perennial weeds and give preemergence control of many annual weeds when corn will be planted directly into previous crop residues. This product or labeled tank mixtures will not control regrowth from perennial weeds or unemerged perennial weeds.

For mixing instructions, see the "MIXING AND SPRAYING INSTRUCTIONS" section of this label.

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The higher recommended rates listed for each soil texture grouping should be used when:

- PREVIOUS CROP RESIDUES ARE EXTREMELY DENSE
- EMERGED WEEDS ARE OVER 6 INCHES TALL
- HEAVY INFESTATIONS OF ANNUAL GRASSES OR BROADLEAVES ARE EXPECTED
- SOILS CONTAIN MORE THAN 3 PERCENT ORGANIC MATTER

The maximum broadcast application rates for corn:

- If no atrazine was applied prior to corn emergence, apply a maximum of 2 pounds active ingredient per acre broadcast. If a postemergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 pounds active ingredient per acre per calendar year.
- Apply a maximum of 2.0 pounds active ingredient per acre as a single preemergence application on soils that are not highly erodible or on highly soils (as defined by the Natural Resources Conservation Service) erodible if at least 30 percent of the soil is covered with plant residues, or
- Apply a maximum of 1.6 pounds active ingredient per acre as a single preemergence application on highly erodible soils (as defined by the Natural Resources Conservation Service) if less than 30 percent of the surface is covered with plant residues; or 2.0 pounds active ingredient per acre if only applied postemergence.

When tank mixing or sequentially applying atrazine or products containing atrazine to corn, the total pounds of atrazine applied (pounds active ingredient per acre) must not exceed 2.5 pounds active ingredient per year.

10.1 Field Master Herbicide Use Rates

The following table provides the recommended PREMERGENCE rates for this product in no-till and minimum tillage systems in corn. Always refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

Refer to the "WEEDS CONTROLLED" section of this label for specific rates per acre recommendations on EMERGED weeds and for a list of weeds controlled.

Application Rates:

BROADCAST RATE PER ACRE			
SOIL TEXTURAL GROUP	FIELD MASTER (quarts)		
Coarse	3.5	to	5
Medium	4	to	5
Fine	4	to	5

10.2 Field Master Plus Balance® PRO Tank Mixtures for Use in Field Corn and Silage Corn

RECOMMENDATIONS

This tank mixture may be applied by ground equipment, either broadcast or banded. Applications may be made as Preemergence Surface treatments only.

Balance PRO is not registered in all states. Follow all Restrictions and Precautions on the Balance PRO label including planting depth, environmental precautions, and soil type restrictions.

Follow the Balance PRO Technical Bulletins, 24(c) labels and 2(ee) Recommendations for additional use rate restrictions based on soil textures and depth of ground water in various states.

Application Rates:

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BROADCAST RATE PER ACRE												
	Less Than 3% Organic Matter						3% Or More Organic Matter					
SOIL TEXTURAL GROUP	FIELDMASTER + (quarts)			BALANCE PRO (ounces)			FIELD MASTER + (quarts)			BALANCE PRO (ounces)		
Coarse *	2.75	to	4.0	1.0	to	1.88	2.75	to	4.0	1.0	to	1.88
Medium	3.00	to	4.0	1.5	to	2.50	3.00	to	4.0	1.5	to	3.00
Fine	3.00	to	4.0	1.5	to	2.75	3.00	to	4.0	2.0	to	3.50

* It is not recommended to use Balance PRO on coarse soils with less than 1.5percent organic matter.

10.3 Field Master Plus Roundup® Agricultural Herbicides and/or Harness® and/or Atrazine

In cases of heavy weed infestation or hard-to-control weed species found on this label, additional amounts of a Roundup agricultural herbicide AND/OR Harness AND/OR atrazine can be added to the recommended treatment rates to obtain improved control under the following methods of application:

Refer to the specific product label booklets for Roundup agricultural herbicides, Harness and atrazine herbicides for specific recommendations regarding the timing of application.

The following table shows the maximum amounts of Roundup WeatherMAX OR Harness OR atrazine herbicides that can be added to specific treatment rates of this product.

Application Rates:

RECOMMENDED TANK MIXTURE RATES			
FIELD MASTER (quarts)	ROUNDUP WeatherMAX (quarts)	HARNES (quarts)	ATRAZINE (quarts)
3.5	1.58	0.71	0.7
4.0	1.52	0.57	0.5
4.5	1.45	0.43	0.31
5.0	1.40	0.29	0.12

DO NOT EXCEED THE MAXIMUM PREEMERGENCE RATE OF ATRAZINE AS SPECIFIED IN THE USE RESTRICTIONS.

10.4 Field Master Herbicide plus Princep

For additional preemergence control of heavy weed infestation and/or hard-to-control weeds listed in the "WEEDS CONTROLLED" section of this label, refer to the following rate table to determine the recommended rates of these tank mixtures on various soil types.

Application Rates:

BROADCAST RATES PER ACRE						
SOIL TEXTURAL GROUP	FIELD MASTER + (quarts)			PRINCEP 4L* (quarts)		
Coarse **	3.5	to	4.0	0.8	to	1.0
Medium	4.0	to	5.0	1.0	to	1.5

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Fine	4.0	to	5.0	1.0	to	1.5
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* When using 4L formulations use the rates listed. Use equivalent rates when using 90 percent dry flowable formulations. One quart of Princep 4L equals 1.1 pounds of the 90 percent dry flowable formulation of this product.

** Use this product on sandy loams containing more than 1 percent organic matter only. Do not use on sand and loamy sand with less than 2 percent organic matter.

USE THE LOWER RATES RECOMMENDED FOR EACH PRODUCT LISTED WHEN SOILS CONTAIN LESS THAN 3 PERCENT ORGANIC MATTER.

NOTE: PLANT ONLY CORN, SORGHUM OR SOYBEANS* the year following use of this mixture.

*There is a possibility of crop injury due to carryover of atrazine if soybeans are planted the following year. DO NOT plant soybeans the year following use of these tank mixtures on furrow irrigated corn.

NOTE: Land treated with Princep should not be planted to any crop except corn for one year following treatment as crop injury may occur.

11.0 ADDITION OF ROUNDUP AGRICULTURAL HERBICIDES TO FIELD MASTER FOR POSTEMERGENCE APPLICATIONS TO CORN CONTAINING ROUNDUP READY 2 TECHNOLOGY.

[This section is expected to change over time to include newer Roundup brandnames and approved rates providing an equal amount of glyphosate]

This product may be applied postemergence to corn with Roundup Ready 2 Technology until the corn reaches 11 inches in height. Apply in 10 to 20 gallons of water per acre. Additional Roundup agricultural herbicide may be added for increased control of existing weeds.

DO NOT make postemergence applications using fluid fertilizer as the carrier because severe crop injury may occur. Adding surfactants, additives containing surfactants, micronutrients, and liquid fertilizers is NOT recommended as crop injury may occur.

The following table provides the recommended rates for this product in corn with Roundup Ready 2 Technology. For example, to equal a use rate of 16 to 22 ounces of Roundup WeatherMAX, add the indicated amount of Roundup WeatherMAX to Field Master. Total Roundup WeatherMAX equivalence (Field Master plus Roundup WeatherMAX) cannot exceed 22 ounces/acre per application in Roundup Ready Corn and 32 ounces/acre per application in Roundup Ready Corn 2.

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ADDITIONAL OUNCES OF ROUNDUP WEATHERMX FOR NO-TILL AND MINIMUM TILLAGE

FIELD MASTER (quarts)	ROUNDUP WEATHERMAX (16 oz rate)	ROUNDUP WEATHERMAX (22 oz rate)	ROUNDUP WEATHERMAX (Roundup Ready Corn 2 only) (32 oz rate)
2.0	8.0	13.0	24
2.5	7.0	11.0	22
3.0	3.5	9.0	20
3.5	1.0	7.0	17
4.0	0	4.5	15

12.0 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, 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.

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.

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.

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ST. LOUIS, MISSOURI 63167 U.S.A.

Field Master 11/18/04 stamp
Submission dated 07/20/2007
Revise format add IRED language
4/07 Update to Roundup Ready references

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SUMMARY OF REVISIONS FOR EPA

Amended to permit the use on sweet corn

Removes the reference to oncogenicity in the rationale for this product being considered a Restricted Use Pesticide, based on the 3 January 2007 Cancer Assessment Review Committee decision to reclassify the carcinogenic potential of acetochlor.

Changed the method of reference to corn containing a glyphosate tolerance gene

Updated the references to Roundup agricultural brand herbicides

Updated Limit of Warranty consistent with EPA White Paper

Grammatical and punctuations changes as necessary