

Micro-Tech C Herbicide

Monsanto Company
700 14th Street NW., Suite 1100
Washington, DC 20005

JUL 13 1992

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit/cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 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. 524-458."
- b. Delete EPA Registration No. 524-344

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

56091:I:WP50:Taylor:WP25-7:KEVRIC:07/08/92:08/08/92

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 the label is enclosed for your records.

This registration will expire in 2 years.

Robert J. Taylor *VJKW*
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosures

MICRO-TECH® C
HERBICIDE BY MONSANTO

Herbicide for weed control in corn.

RESTRICTED USE PESTICIDE

due to oncogenicity. For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

The use of this product may be hazardous to your health. This product contains alachlor, which has been determined to cause tumors in laboratory animals.

In case of an emergency involving this product or for user safety information on this product, call collect day or night (314) 694-4000.

®Micro-Tech is a registered trademark of Monsanto Company.

Micro-Tech C is referred to throughout these instructions as "Micro-Tech".

Complete Directions for Use

This product is not approved for use in California.

EPA Reg. No. 524-344

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Read each of these sections of this label for essential product performance information.

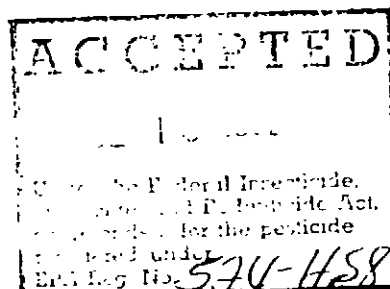
PRECAUTIONARY STATEMENTS

GENERAL INFORMATION

MIXING, SPRAYING AND
HANDLING INSTRUCTIONS

APPLICATION INFORMATION

CROPS



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Read the entire label before using this product.

Use only according to label instructions.

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

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 OF 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, 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.

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.

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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PRECAUTIONARY STATEMENTS

Hazards to Humans
and Domestic Animals

Keep out of reach of children.

CAUTION!

MAY CAUSE ALLERGIC SKIN REACTION.

Avoid contact with eyes, skin and clothing.

Wear goggles or face shield, rubber gloves, long trousers, long sleeved shirt or jacket of tightly woven material along with boots high enough to cover ankles when transferring and mixing, and when adjusting, repairing or cleaning equipment. Wear rubber boots when pouring from open containers or when reentry is made into field following application of this product through center pivot irrigation systems and the field is still wet. Clothing which comes in contact with Micro-Tech must be washed before reuse. Clothing or other materials which become drenched with the concentrated pesticide must be disposed of in a sanitary landfill, by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Wash thoroughly with soap and water after handling.

FIRST AID: IF ON SKIN, immediately flush with plenty of water while removing contaminated clothing. As soon as soap is available, wash thoroughly with soap and water. Wash clothing before reuse. Sensitized persons should avoid further contact and reuse of contaminated clothing. Get medical attention.

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

Environmental Hazards

This chemical has been identified in limited ground water sampling and there is the possibility that it can leach through the soil to ground water, especially where soils are coarse and ground water is near the surface. Following application, and during rainfall events that cause runoff, this chemical may reach surface water bodies including streams, rivers and reservoirs.

Care must be taken when using this product to prevent back siphoning into wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.

Check valves or antisiphoning devices must be used on all mixing and/or irrigation equipment. 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.

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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.

Physical or Chemical Hazards

In case of:

SPILL or LEAK, soak up, remove and keep away from humans and domestic animals.

ACTIVE INGREDIENTS*

Alachlor, [2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide]

41.5%

INERT INGREDIENTS: 58.5%

100.0%

*Contains 480 grams/litre or 4 pounds/gallon. This product also contains low levels of atrazine (less than 1 percent). These low levels of atrazine will not contribute to weed control.

Product protected by U.S. Patent No. 4,280,833 and 4,417,916.

DIRECTIONS FOR USE

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

Storage and Disposal

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

STORAGE:

STORE ABOVE -4°F. TO KEEP PRODUCT FROM FREEZING. If frozen, thaw before use.

DISPOSAL:

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

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

(See individual container label for disposal information.)

GENERAL INFORMATION

Micro-Tech® herbicide is recommended for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. This product may be applied either as a surface application after planting or shallowly incorporated prior to planting to blend the herbicide treatment into the upper 1 to 2 inches of soil. Except for minimum or

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conservation tillage systems, the seedbed should be fine, firm and free of clods and trash.

Read and carefully observe precautionary statements and all other information appearing on the labeling of all products used in mixtures and sequential treatments.

Do not flood irrigate following application of this product or tank mixtures. This product will not control emerged seedlings.

Do not apply when conditions favor drift.

Use of this product not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences. Keep container closed to prevent spills and contamination.

Flush sprayer with clean water after use.

SOIL TEXTURE

Applicators should evaluate soil and weed conditions carefully to assure that they choose the lowest effective 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 textural groups: coarse, medium and fine. The following is a complete listing of soil textures included in each of these three soil textural groups:

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

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

MIXING, SPRAYING AND HANDLING INSTRUCTIONS

NOTE

The use of a mechanical transfer system is required to be used by all mixer/loaders and/or applicators who treat 300 acres or more annually with pesticides containing alachlor as an active ingredient.

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Direct contact or exposure to Micro-Tech or spray mixtures of Micro-Tech 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 (front panel) 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.

55 Gallon and 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.

Equipment Cleaning & Repair

Cleaning and repair of transfer systems and application equipment is a source of exposure to this product. Care should be taken to minimize exposure during cleaning and repair of transfer systems and application equipment. Whenever possible, these systems or equipment should be rinsed before being cleaned or repaired. When repairs must be made during transfer or application, the equipment should be shutdown, and special care taken to avoid contact with the pesticide.

Always predetermine the compatibility of Micro-Tech or labeled tank mixtures of Micro-Tech 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 the labeled tank mixtures recommended for use with sprayable fluid fertilizer carrier.

NOTE: Micro-Tech and all tank mixtures listed in the "DIRECTION FOR USE" section may be applied in sprayable fluid fertilizers.

Mix Micro-Tech or labeled tank mixture of Micro-Tech 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.

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3. If a compatibility agent is necessary to improve mixing or to prevent the formation of undesirable and unsprayable gels or precipitates, while agitating add it to the carrier already in the tank. Use only compatibility agents, cleared by FDA for this use. Read and follow all directions for use, cautionary statements and all other information appearing on the selected compatibility agent label. Check for adequate agitation.
 4. If a wettable powder or dry flowable formulation is used, make a slurry with water and add it slowly through the screen into the tank. Continue agitation.
 5. If a flowable formulation is used, add slowly through screen into the tank. Mixing and compatibility may be improved when flowable is premixed one part flowable with one part water and added to the tank in diluted form.
 6. Add Micro-Tech slowly through the screen into the tank. Mixing and compatibility may be improved when this product is prediluted with two parts of water and added to the tank in diluted form.
 7. Complete filling the sprayer tank with carrier. If GramoxoneTM Extra is used, add the required amount near the end of the filling process. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source.

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

Keep by-pass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. Check for even distribution of spray droplets. To reduce loss of the chemical due to drift of a fine mist, apply at nozzle pressures below 40 psi.

TMGramoxone is a trademark of ICI Americas Inc.

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

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) listed in the following tables. 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

Amount to Be
Added Per Pint Of
Sprayable Fluid Fertilizer
(Assuming Volume is 25 gal/A)
Level

HERBICIDE	RATE/A	TEASpoons
Wettable	1 lb. =	1.5
Powders	2 lb. =	3
or	3 lb. =	4.5
Dry Flowables	4 lb. =	6
	5 lb. =	7.5

HERBICIDE	RATE/A	Level	
		TEASpoons	Milliliters
Emulsifiable	1 pint	= 0.5	or 2.4
Concentrates or	1 quart	= 1	or 4.7
Flowables or	2 quarts	= 2	or 9.5
Liquids or	3 quarts	= 3	or 14.2
Solutions	1 gallon	= 4	or 19.0
	5 quarts	= 5	or 23.8

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

APPLICATION INFORMATION

APPLICATION SYSTEMS

Ground Broadcast Treatment—Apply this product and the labeled tank mixtures in 15 or more gallons of solution per acre using broadcast boom equipment. The carrier may be either water or sprayable fluid fertilizer as specified for the crop to be treated in the "DIRECTIONS FOR USE" section of this label. Do not apply during periods of gusty winds, when winds are in excess of 15 mph or when other conditions favoring drift exist.

Band Treatment—Apply a broadcast equivalent rate and volume per acre. To determine these:

$$\begin{array}{l} \text{Band width} \\ \text{in inches} \\ \text{Row width} \\ \text{in inches} \end{array} \times \begin{array}{l} \text{Broadcast} \\ \text{RATE} \\ \text{per acre} \end{array} = \begin{array}{l} \text{Band RATE} \\ \text{per acre} \end{array}$$

$$\begin{array}{l} \text{Band width} \\ \text{in inches} \\ \text{Row width} \\ \text{in inches} \end{array} \times \begin{array}{l} \text{Broadcast} \\ \text{VOLUME} \\ \text{per acre} \end{array} = \begin{array}{l} \text{Band VOLUME} \\ \text{per acre} \end{array}$$

Aerial—Fixed wing; helicopter—Apply the recommended rates of this product or approved tank mixtures in 3 to 10 gallons of water per acre. AVOID DRIFT—DO NOT APPLY DURING INVERSION CONDITIONS, WHEN WINDS ARE GUSTY, OR UNDER ANY OTHER CONDITION WHICH WILL ALLOW DRIFT. Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense spray or fine spray droplets. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure. Ensure uniform application. To avoid streaked, uneven or overlapped application, use mechanical marking systems only, HUMAN FLAGGERS PROHIBITED!

Application with Dry Bulk Fertilizer—The herbicide-dry fertilizer impregnation process (In-Plant and On-Board systems) must be completed only by commercial fertilizer or chemical dealerships properly equipped for this procedure. Contact Monsanto Company for additional information regarding recommended equipment and methods for herbicide-fertilizer impregnation applications.

Dry bulk fertilizer may be impregnated with Micro-Tech or the tank mixtures of Micro-Tech plus atrazine or Micro-Tech plus Bladex on corn. Micro-Tech and these tank mixtures must be applied with 200 to 450 pounds of dry bulk fertilizer per acre and shallowly incorporated within 7 days prior to planting. On medium and fine-textured soils in areas where soil incorporation is not planned, i.e., reduced tillage situations or in some conventional till situations, applications can be made up to 30 days before planting to allow moisture to move the herbicide-fertilizer mixture into the soil. On coarse textured soils, applications can be made up to 14 days prior to planting. The herbicide must be applied as

recommended in this label for the crop, weed and soil type treated. Refer to the table for broadcast rate per acre in the appropriate crop section of this label to determine the recommended rate per acre for the herbicide treatment to be applied.

The following table provides a reference to determine the amount of LIQUID herbicide to be mixed per ton of dry bulk fertilizer for a range of herbicide recommendations for fertilizer rates per acre:

RECOMMENDED QUARTS LIQUID HERBICIDE/ACRE					
Fertilizer Rate (lb./acre)	Acres Covered (per ton)	1.5 (quarts of herbicide/ton dry bulk fertilizer)	2	2.5	3
200	10	15	20	25	30
250	8	12	16	20	24
300	6.7	10	13.3	16.7	20
350	5.7	8.6	11.4	14.3	17.1
400	5	7.5	10	12	15
450	4.5	6.7	8.9	11.1	13.3

To determine the amount of herbicide needed for rates not included in the preceding table, use the following formula:

$$\frac{\text{Recommended herbicide rate (lb. or qt.)/acre} \times 2000}{\text{pounds fertilizer/acre}} = \begin{matrix} \text{pounds or} \\ \text{quarts of herbi-} \\ \text{cide per ton of} \\ \text{dry bulk} \\ \text{fertilizer} \end{matrix}$$

With the In-Plant system, mix and blend the dry fertilizer and herbicide mixture in a closed rotary-drum type mixture allowing sufficient time to ensure uniform coverage. Use at least one ton of dry fertilizer per mixing operation. Inject the herbicide into the drum over a minimum of a 2-minute period and allow at least 2 additional minutes mixing time to ensure uniformity. The nozzle used to spray the herbicide treatment must be placed inside the mixer to provide uniform spray coverage of the tumbling fertilizer.

If the fertilizer used has inadequate adsorptive capacity, a highly adsorptive material such as AgsorbTM, MP-79TM, MicrocelTM E, CropStar[®] or Lasso[®] II granules can be added to provide a free-flowing mixture. Contact Monsanto Company for specific guidelines with regard to the sequence of addition for the various components and the amount of drying agent to add to provide a free-flowing mixture.

When using CropStar or Lasso II granules as an adsorptive material, refer to the table below for the correct rates. The CropStar rate is the same as the Lasso II rate. If the total amount of Micro-Tech liquid herbicide in the tank mixture to be impregnated exceeds 3.25 quarts per acre, additional nonherbicidal adsorptive material may be necessary to ensure a free-flowing mixture.

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**POUNDS PLUS QUARTS OF HERBICIDE/ACRE TO
IMPREGNATE OR DRY BULK FERTILIZER.**

Recommended Total Micro-Tech® Broadcast Rate/Acre

3		(Quarts) 3.5		4	
Lasso® II		Lasso II		Lasso II	
(Lbs)	Micro-Tech (Quarts)	(Lbs)	Micro-Tech (Quarts)	(Lbs)	Micro-Tech (Quarts)
5	2.25	5	2.75	5	3.25

The following table provides a partial list of dry fertilizers which may be impregnated with Micro-Tech or tank mixtures of Micro-Tech with other herbicides.

Fertilizer	Micro-Tech®	Micro-Tech + atrazine	Micro-Tech + Bladex™
Ammonium sulfate (21-0-0)	Yes	Yes	Yes
Ammonium phosphate-sulfate (16-20-0)	Yes	Yes	Yes
Diammonium phosphate (18-46-0)	Yes	Yes	Yes
Potassium chloride (0-0-60)	Yes	Yes	Yes
Potassium sulfate (0-0-52)	Yes	Yes	Yes
Single super- phosphate (0-20-0)	Yes	No	No
Treble super- phosphate (0-46-0)	Yes	No	No
*Urea (46-0-0)	Yes	Yes	Yes

*Some ureas may be phytotoxic when applied on corn. Use only ureas known to be safe to corn.

NOTE: DO NOT impregnate Micro-Tech or tank mixtures of Micro-Tech with other herbicides on fertilizers containing ammonium nitrate, potassium nitrate or sodium nitrate.

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Spread the herbicide-dry fertilizer mixture uniformly with a properly calibrated applicator: dribble, pneumatic (air flow) or spin. When using spin applicators, the herbicide-dry fertilizer mixture must be spread at half-rate and overlapped 100 percent to obtain full rate and uniform distribution. Non-uniform spreading of the fertilizer-herbicide mixture may result in unsatisfactory weed control or crop injury.

TMAgsorb is a trademark of Oil Dri Corporation.

TMBladex and Lexone are trademarks of the E. I. du Pont de Nemours and Company.

[®]CropStar and [®]Lasso are trademarks of Monsanto Company.

TMMicrocel is a trademark of Manville Products Corporation.

TMMP-79 is a trademark of Eagle-Picher Industries, Inc.

APPLICATION TIMING AND METHODS

Early Preplant Surface—This product and some labeled tank mixtures of this product may be applied in no-till and other conservation tillage systems before weeds emerge and up to 45 days before planting certain crops. Split applications can be made 30 to 45 days prior to planting, with 60 percent of the recommended broadcast rate applied initially and the remaining 40 percent applied at planting. Applications made less than 30 days prior to planting can be made either as a split or as a single application. Refer to the individual crop to determine if early preplant application is recommended. If weeds are present at the time of application, apply this product in tank mixture with an appropriate contact herbicide. Observe direction for use, precautions and restrictions on the label of the contact herbicide. During the planting operation, be careful not to move untreated soil to the surface or move treated soil out of the row, as weed control may be reduced.

Preplant Incorporation—This product and many of the labeled tank mixtures may be mixed into the soil, using shallow incorporation equipment, any time within 7 days prior to planting. Refer to the crop to be treated in the "DIRECTIONS FOR USE" section of this label to determine if preplant incorporation is recommended. Apply the recommended treatment rate to the soil surface as a broadcast application. Precipitation or irrigation is required to bring incorporated herbicide treatments into contact with germinating weed seedlings. The amount of precipitation or irrigation required depends on existing soil moisture, soil type and percent organic matter content, but 1/3 to 3/4 inch is normally adequate. If weeds emerge after treatment, rotary hoe or shallowly cultivate immediately to improve performance.

NOTE: Do not incorporate unless specifically recommended in this label for the crop and herbicide treatment selected. Incorporation of this product and its labeled tank mixtures on coarse soil types may reduce length of weed control due to

leaching with rainfall or irrigation. Incorporation is not recommended on coarse soils in the southeastern states.

1-Pass Incorporation (Surface Blend™): Shallowly incorporate (Surface Blend) the treatment into the upper 1 to 2 inches of the soil. Equipment should be operated at manufacturer's designed speed for incorporation to ensure adequate mixing and distribution of the herbicide treatment in the soil. Equipment design, including any drag attachments, must be adequate to avoid soil ridging which may result in streaked or reduced weed control. Soil conditions, including moisture content and crop residue levels, must be suitable to allow thorough and uniform mixing with the equipment used for 1-pass incorporation.

Contact Monsanto Company for additional information regarding recommended equipment and methods for Surface Blend application.

2-Pass Incorporation: When 2-pass incorporation is used, shallowly incorporate the herbicide treatment into the upper 1 to 2 inches of the soil with equipment set to work the soil NO DEEPER THAN 4 INCHES. The second pass must be made at an angle to and no deeper than the first pass to ensure proper distribution of the herbicide treatment in the soil.

Preemergence Surface Application—This product and all labeled tank mixtures may be applied to the soil surface after planting and prior to either crop or weed emergence. Apply within 5 days of last preplant tillage. If weeds emerge after treatment, or if treatment is applied more than 5 days after last preplant tillage, rotary hoe or shallowly cultivate immediately to improve performance.

Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone. The amount of precipitation or overhead sprinkler irrigation required depends on existing soil moisture, soil type and percent organic matter content, but 1/3 to 3/4 inches is normally adequate. Performance is improved when moisture is received within 7 days after application and prior to weed emergence. High intensity or excessive rainfall or excessive irrigation after application may reduce control.

Cultivation Information—Delay cultivation after application for as long as possible unless weeds or grasses emerge. Shallowly cultivate or rotary hoe immediately if weeds or grasses emerge. If cultivation is necessary because of soil crusting or compaction, set equipment shallow and minimize lateral soil movement to avoid dilution or displacement of the herbicide treatment. If a band application is used and weeds have emerged in the treated band, set cultivator to throw soil into the row, covering the band.

™Surface Blend is a trademark of Monsanto Company.

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WEEDS CONTROLLED

Applicators should evaluate soil and weed conditions carefully to assure that they choose the lowest effective label rate.

When applied as directed under conditions described, this product and tank mixtures of this product will control or reduce competition from the weeds listed. Refer to the crop on which treatment is intended to determine the rates and tank mixtures recommended.

For the scientific names to the weeds listed below, refer to the appendix at the end of this booklet.

NOTE: C = Control R = Reduced Competition

ANNUAL GRASSES

	Micro-Tech® plus			
	a	b	c	d
a Micro-Tech®				
b atrazine				
c Banvel™				
d Bladex™				
Barnyardgrass	C	C	C	C
Crabgrass	C	C	C	C
Cupgrass, woolly ¹	R	R	•	R
Foxtail: giant, green, robust purple, robust white, yellow	C	C	C	C
Goosegrass	C	C	C	C
Johnsongrass, seedling ²	R	R	R	R
Millet, proso ³	C	C	•	C
Panicum: browntop, fall	C	C	C	C
Panicum, Texas ⁴	R	R	R	R
Rice, red ⁵	C	C	•	C
Sandbur, Grassbur ^{2,6}	R	C	•	•
Shattercane, wild cane ¹	R	R	•	R
Signalgrass, broadleaf	C	C	C	C
Sprangletop, red	C	C	C	C
Witchgrass	C	C	C	C

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ANNUAL BROADLEAVES

	Micro-Tech® plus			
	a	b	c	d
a Micro-Tech®				
b atrazine				
c Banvel™				
d Bladex™				
Beggarweed, Florida ²	R	C	•	C
Carpetweed	C	C	C	C
Cocklebur	•	R	R	R
Coffeeweed, Hemp sesbania	•	•	•	•
Copperleaf, hophornbeam	•	•	•	•
Galinsoga	C	C	C	C
Groundcherry, annual	•	C	•	•
Groundcherry, cutleaf ⁷	C	C	C	C
Jimsonweed	•	C	•	•
Kochia	•	C	•	•
Lambsquarters ²	R	C	C	C
Morningglory: Tall,	•	R	R	R
Pitted, Ivy leaf, Entire leaf,	•	•	•	•
Small flower	R	C	•	C
Mustard	•	C	C	C
Nightshade: black ⁷ ; hairy ⁷	C	C	C	C
Pigweed, Carelessweed	C	C	C	C
Purslane	C	C	C	C
Pusley, Florida	C	C	C	C
Ragweed, common ²	R	C	C	C
Ragweed, giant	•	•	•	•
Sicklepod	•	C	•	C
Sida, prickly; Teaweed ²	R	•	•	•
Smartweed ²	R	C	C	C
Starbur, bristly	R	C	•	C
Sunflower, common	•	•	•	•
Velvetleaf, Buttonweed	•	R	R	R
Waterhemp	C	C	C	C

SEDGE

Nutsedge, yellow ⁵	C	C	•	C
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03100095

- 1 Use 4 quarts per acre of this product applied alone or in tank-mix combinations. Preplant incorporate only to reduce competition from this weed.
- 2 For reduced competition from this weed with Micro-Tech alone, use 2.5 to 4 quarts of Micro-Tech per acre.
- 3 Plant corn into freshly prepared seedbed. Apply 4 quarts of Micro-Tech per acre preemergence surface immediately after corn planting for reduced competition from this weed. Improved control may be obtained by applying a labeled postemergence herbicide.
- 4 Use a minimum of 3 quarts of Micro-Tech per acre and apply through center pivot irrigation or under sprinkler irrigation systems. DO NOT apply Micro-Tech plus atrazine tank mixture through center pivot irrigation systems.
- 5 Use 3 to 4 quarts of Micro-Tech per acre applied alone or in tank mixture and apply preplant incorporated only for control on medium and fine-textured soils. On coarse-textured soils with less than 3% organic matter, use 3 to 4 quarts of Micro-Tech per acre as a preemergence surface application to reduce competition from yellow nutsedge.
- 6 Apply 2.5 to 3 quarts of Micro-Tech plus 1 to 2 quarts of atrazine 4L per acre. Preplant incorporated applications should be made immediately before planting. Preemergence surface applications should be applied to a freshly prepared seedbed. For best control, rotary hoe or initiate overhead irrigation (0.33 to 0.5 inch) within 24 hours of application.
- 7 Use a minimum of 2.5 quarts of Micro-Tech per acre on coarse soils, or 3 to 4 quarts of Micro-Tech per acre on medium and fine soils when used alone or in tank mixture with Banvel for control of this weed.

NOTE: The 3-way tank mixture of Micro-Tech plus atrazine plus Bladex controls or reduces competition as specified for the respective weeds listed under the Micro-Tech plus atrazine and Micro-Tech plus Bladex recommendations.

Certain tank mixtures of Micro-Tech and broadleaf herbicides may be combined with application of Gramoxone Extra for control of many emerged weeds prior to corn or soybean emergence. Refer to the Gramoxone Extra label for a list of emerged weeds controlled by tank mixtures with these products.

TMBanvel is a trademark of Sandoz, Inc.

Read each of these sections of this label for essential product performance information.

0320095

CORN
(All Types)

When making applications on corn, do not make more than two application per year or exceed a total of 4 quarts of Micro-Tech per acre per year.

MICRO-TECH®

Apply this product in water or sprayable fluid fertilizer solution for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground-Broadcast boom; banded

Aerial-Fixed wing; helicopter

Center Pivot Irrigation

Dry Bulk Fertilizer Impregnation

Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the application of this product using the system selected.

APPROVED APPLICATION METHODS

Preplant Incorporated-Apply this product within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil. Irrigation within 10 days following planting may improve weed control.

Preemergence Surface-Apply this product after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

DO NOT apply this product postemergence, sequential or lay-by.

DO NOT apply any alachlor containing product sequential to this product.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

Preplant Incorporated Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)**	
	Less than 3% organic matter	3% or more organic matter
Coarse	2.5	2.5
Medium	2.5 to 3	2.5 to 3
Fine	2.5 to 3	3 to 3.5

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use the higher rate in the recommended range in areas of heavy weed infestations. Use 2.5 to 3.5 quarts per acre where furrow irrigation is used. Use a minimum of 3 quarts on coarse textured soils for control of yellow nutsedge or red rice. Rates may be increased to a maximum of 4 quarts on any soil type when heavy infestations of yellow nutsedge or red rice are present.

Surface Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)**	
	Less than 3% organic matter	3% or more organic matter
Coarse***	2 to 2.25	2 to 2.25
Medium	2 to 2.75	2 to 2.75
Fine	2 to 2.75	2.5 to 3.25

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use the higher rate in the recommended range in areas of heavy weed infestations. Use a minimum of 2.5 quarts of this product per acre on coarse soils and 3 to 4 quarts on medium or fine textured soils to control black or hairy nightshade.

***When applied through center pivot irrigation or under sprinkler irrigation systems on coarse soils, use a minimum of 3 quarts per acre of this product.

MICRO-TECH® PLUS ATRAZINE (TANK MIXTURE)

Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground--Broadcast boom; banded

Aerial--Fixed wing; helicopter

Dry Bulk Fertilizer Impregnation

Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the application of this tank mixture using the system selected.

APPROVED APPLICATION METHODS

Preplant Incorporated--Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil.

Preemergence Surface--Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

NOTE: PLANT ONLY CORN, PEANUTS, 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 this tank mixture on furrow irrigated corn. DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

Preplant Incorporated Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)**			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech® + atrazine 4L***		Micro-Tech + atrazine 4L***	
Coarse	1.75 to 2.25	1.25 to 2	1.75 to 2.25	1.25 to 2
Medium	1.75 to 2.25	1.25 to 2	2.25 to 2.5	1.5 to 2
Fine	2.25 to 2.5	1.5 to 2	2.25 to 2.75	1.5 to 2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed infestations.

***Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 80W or 90% dry flowable formulations. One quart of atrazine 4L equals 1.25 pounds of atrazine 80W or 1.1 pounds of atrazine 90% dry flowable.

Surface Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)**			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech® + atrazine 4L***	Micro-Tech + 4L***	atrazine 4L***	
Coarse	1.5 to 2	0.75 to 2	1.5 to 2	1 to 2
Medium	1.5 to 2	1 to 2	2 to 2.25	1.25 to 2
Fine	2 to 2.25	1.25 to 2	2 to 2.75	1.25 to 2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use the higher rates in the recommended ranges in areas of heavy weed infestations.

***Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 80W or 90% dry flowable formulations. One quart of atrazine 4L equals 1.25 pounds of atrazine 80W or 1.1 pounds of atrazine 90% dry flowable.

NOTE: When applied under sprinkler irrigation systems on coarse soils, use 1 quart per acre of atrazine 4L and a minimum of 2 quarts per acre of Micro-Tech in this tank mixture.

**MICRO-TECH plus BANVEL
(TANK MIXTURE)**

Field and Silage Corn Only

For use in ILLINOIS, IOWA, MINNESOTA and WISCONSIN on level or flat-planted field corn on fine textured (silty clay loam, clay loam, sandy clay, silty clay or clay) soils with more than 4 percent organic matter.

Apply in water or sprayable fluid fertilizer solutions for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

NOTE: Use on coarse or medium textured soils or on fine textured soils with 4 percent or less organic matter may result in crop injury and/or destruction.

APPROVED APPLICATION SYSTEMS

Ground-Broadcast boom; banded

NOTE: DO NOT apply by air or injection through center pivot irrigation systems.

Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the application of this tank mixture using ground spray equipment.

APPROVED APPLICATION METHODS

Preemergence Surface—Apply this tank mixture after planting, before crop and weeds emerge and within 5 days of last preplant tillage operation. Corn seeds must be planted 1-1/2 inches or deeper beneath the soil surface. Direct chemical contact with corn seed must be avoided since crop injury may result. Apply far enough behind planter equipment to avoid any incorporation by the planter wheel or other covering device. If corn seeds are planted less than 1-1/2 inches beneath the soil surface, delay application until corn has spiked.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

NOTE: PREVENT DRIFT TO SOYBEANS OR OTHER DESIRABLE PLANTS. Do not use on furrow irrigated corn, or when corn is planted at the bottom of a furrow, utilizing lister, till or other similar planting methods. DO NOT incorporate prior to planting or corn emergence. If it is necessary to drag for leveling or rotary hoe to break soil crust, DO NOT disturb the soil more than 1/2 inch deep.

RECOMMENDED RATES: Refer to the following table for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury and/or destruction.

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (QUARTS)	
	More than 4% organic matter Micro-Tech®	Banvel
Fine-silty clay loam through clay	2.5	0.5

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**MICRO-TECH® plus BLADEX
(TANK MIXTURE)**

Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of yellow nutsedge, and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground-Broadcast boom; banded

Aerial-Fixed wing; helicopter

Dry Bulk Fertilizer Impregnation

Reference: The "APPLICATION SYSTEMS" section of this label provides information on the application of this tank mixture using the system selected.

APPROVED APPLICATION METHODS

Preplant Incorporated-Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil.

Preemergence Surface-Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

Preplant Incorporated Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)			
	1½ to 3½ organic matter		3½ or more organic matter	
	Micro-Tech® +	Bladex 4L***	Micro-Tech	Bladex + 4L***
Coarse**	1.75 to 2.25	1.2 to 1.4	1.75 to 2.25	1.4 to 1.8
Medium	1.75 to 2.25	1.4 to 1.6	2.25 to 2.5	1.8 to 2.2
Fine	2.25 to 2.5	1.6 to 2	2.25 to 2.75	2 to 2.4

NOTE: See "Incorporation" instructions.

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**On coarse textured soils containing less than 2% organic matter, use Micro-Tech plus Bladex only on sandy loam. Do not use on sand and loamy sand with less than 2% organic matter.

***Use equivalent rates listed in this label when using Bladex 80W or Bladex 90DF. One quart of Bladex 4L equal 1.25 pounds of Bladex 80W or 1.1 pounds of Bladex 90DF.

Surface Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)			
	1% to 3% organic matter		3% or more organic matter	
	Micro-Tech® +	Bladex 4L***	Micro-Tech +	Bladex 4L***
Coarse**	1.5 to 2	1 to 1.2	1.5 to 2	1.2 to 1.6
Medium	1.5 to 2	1.2 to 1.4	2 to 2.25	1.6 to 2
Fine	2 to 2.25	1.4 to 1.8	2 to 2.75	1.8 to 2.2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**On coarse textured soils containing less than 2% organic matter, use Micro-Tech plus Bladex only on sandy loam. Do not use on sand and loamy sand with less than 2% organic matter.

***Use equivalent rates when using Bladex 80W or Bladex 90DF. One quart of Bladex 4L equals 1.25 lbs of Bladex 80W or 1.1 pounds of Bladex 90DF.

**MICRO-TECH® plus PRINCEP™
(TANK MIXTURE)**

Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground-Broadcast boom, banded

Aerial-Fixed wing; helicopter

Dry Bulk Fertilizer Impregnation

Reference: THE "APPLICATION SYSTEMS" section of this label provides information on the application of this tank mixture using the system selected.

APPROVED APPLICATION METHODS

Preplant Incorporated—Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil.

Preemergence Surface—Apply this tank mixture after planting, before crop emergence and within 5 days after last preplant tillage operation.

Reference: the "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP EXCEPT CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR. AFTER HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

Preplant Incorporated Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)**			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech® +	Princep 4L***	Micro-Tech +	Princep 4L***
Coarse-sandy loam only	1.75 to 2.25	1.25 to 2	1.75 to 2.25	1.25 to 2
Medium	1.75 to 2.25	1.25 to 2	2.25 to 2.5	1.5 to 2
Fine	2.25 to 2.5	1.5 to 2	2.25 to 2.75	1.5 to 2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

** Use the higher rates in the recommended ranges in acres of heavy weed infestations.

*** Use rates listed in this label when using Princep 4L. Use equivalent rates when using Princep 80W or 90% dry flowable formulations. One quart of the 4L formulation equals 1.25 pounds of the 80W formulation and 1.1 pounds of the 90% dry flowable formulations.

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Surface Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)**			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech® +	Princep 4L***	Micro-Tech +	Princep 4L***
Coarse-sandy loam only	1.5 to 2	0.75 to 2	1.5 to 2	1 to 2
Medium	1.5 to 2	1 to 2	2 to 2.25	1.25 to 2
Fine	2 to 2.25	1.25 to 2	2 to 2.75	1.25 to 2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use higher rates in the recommended ranges in acres of heavy weed infestations.

***Use rates listed in this label using Princep 4L. Use equivalent rates when using Princep 80W or 90% dry flowable formulations. One quart of the 4L formulation equals 1.25 pounds of the 80W formulation and 1.1 pounds of the 90% dry flowable formulations.

TMPrincep is a trademark of Ciba-Geigy Corporation.

**MICRO-TECH® plus ATRAZINE plus
BLADEX (TANK MIXTURE)**

Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground-Broadcast boom; banded

Aerial-Fixed wing; helicopter

Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the application of this tank mixture using the system selected.

APPROVED APPLICATION METHODS

Preemergence Surface-Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

Preplant Incorporated-Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil.

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Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

NOTE: PLANT ONLY CORN, PEANUTS, 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 this tank mixture on furrow irrigated corn. DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

Preplant Incorporated Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)			
	Less than 3% organic matter			
	Micro-Tech® +	atrazine	+	Bladex
		4L**		4L***
Coarse****	1.75 to 2.25			
1	0.5 to 1			
Medium	1.75 to 2.25	1 to 1.25		1 to 1.25
Fine	2.25 to 2.5	1.25 to 1.5		1 to 1.5

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)			
	3% or more organic matter			
	Micro-Tech® +	atrazine	+	Bladex
		4L**		4L***
Coarse****	1.75 to 2.25	1 to 1.25		1 to 1.25
Medium	2.25 to 2.5	1.25 to 1.5		1 to 2
Fine	2.25 to 2.75	1.5 to 1.75		1 to 2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 80W or 90% dry flowable formulations. One quart of atrazine 4L equals 1.25 pounds of atrazine 80W or 1.1 pounds of atrazine 90% dry flowable.

***Use equivalent rates when using Bladex 80W or Bladex 90DF. One quart of Bladex 4L equals 1.25 pounds of Bladex 80W or 1.1 pounds of Bladex 90DF.

****Do not use this mixture on sand or loamy sand soils with less than 2% organic matter.

NOTE: Use the higher rates in the recommended ranges in areas of heavy weed infestations.

Surface Application Rates

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)		
	Less than 3% organic matter		
	Micro-Tech® +	atrazine	+ Bladex
		4L**	4L***
Coarse****	1.5 to 2	0.75	0.5 to 1
Medium	1.5 to 2	0.75 to 1	1 to 1.25
Fine	2 to 2.25	1 to 1.25	1 to 1.5

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)		
	3% or more organic matter		
	Micro-Tech® +	atrazine	+ Bladex
		4L**	4L***
Coarse****	1.5 to 2	0.75 to 1	1 to 1.25
Medium	2 to 2.25	1 to 1.25	1 to 2
Fine	2 to 2.75	1.25 to 1.5	1 to 2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 80W or 90% dry flowable formulations. One quart of atrazine 4L equals 1.25 pounds of atrazine 80W or 1.1 pounds of atrazine 90% dry flowable.

***Use equivalent rates when using Bladex 80W or Bladex 90DF. One quart of Bladex 4L equals 1.25 pounds of Bladex 80W or 1.1 pounds of Bladex 90 DF.

****Do not use this mixture on sand or loamy sand soils with less than 2% organic matter.

NOTE: Use the higher rates in the recommended ranges in areas of heavy weed infestations.

**MICRO-TECH® plus ATRAZINE plus PROWL™
(TANK MIXTURE)**

Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of triazine resistant lambsquarter and pigweed in addition to yellow nutsedge and the annual grasses and broadleaf weeds listed for Micro-Tech plus atrazine in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground-Broadcast boom; banded.
Aerial-Fixed wing; helicopter.

Reference: The "APPLICATION SYSTEMS" section of this label provides information on the application of this tank mixture using the system selected.

APPROVED APPLICATION METHOD

Preemergence Surface—Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

DO NOT preplant incorporate this tank mixture as serious crop injury can result.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

NOTE: PLANT ONLY CORN, PEANUTS, 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 this tank mixture on furrow irrigated corn. DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)			
	Less than 3% organic matter			
	Micro-Tech® +	atrazine	+	Prowl
		4L**		
Coarse	1.5	to 2	0.75 to 2	0.75
Medium	1.5	to 2	1 to 2	0.75 to 1
Fine	2	to 2.25	1.25 to 2	1

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BROADCAST RATE PER ACRE (QUARTS)

SOIL TEXTURAL GROUP*	3% or more organic matter		
	Micro-Tech® +	atrazine 4L**	+ Prowl
Coarse	1.5 to 2	1 to 2	0.75 to 1
Medium	2 to 2.25	1.25 to 2	1
Fine	2 to 2.75	1.25 to 2	1

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 80W or 90% dry flowable formulations. One quart of atrazine 4L equals 1.25 pounds of atrazine 80W or 1.1 pounds of atrazine 90% dry flowable.

NOTE: Use the higher rates in the recommended ranges in areas of heavy weed infestations.

TMProwl is a trademark of American Cyanamid Corporation.

**MICRO-TECH® plus BLADEX plus PROWL
(TANK MIXTURE)**

Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of triazine resistant lambsquarter and pigweed in addition to yellow nutsedge and the annual grasses and broadleaf weeds listed for Micro-Tech plus Bladex in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground-Broadcast boom; banded
Aerial-Fixed wing; helicopter

Reference: The "APPLICATION SYSTEMS" section of this label provides information on the application of this tank mixture using the system selected.

APPROVED APPLICATION METHOD

Preemergence Surface—Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

DO NOT preplant incorporate this tank mixture as serious crop injury can result.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)		
	1% to 3% organic matter		
	Micro-Tech® +	Bladex 4L***	+ Prowl
Coarse**	1.5 to 2	1 to 1.2	0.75 to 1
Medium	1.5 to 2	1.2 to 1.4	0.75 to 1
Fine	2 to 2.25	1.4 to 1.8	1

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)		
	3% or more organic matter		
	Micro-Tech +	Bladex 4L***	+ Prowl
Coarse**	1.5 to 2	1.2 to 1.6	0.75 to 1
Medium	2 to 2.25	1.6 to 2	1
Fine	2 to 2.75	1.8 to 2.2	1

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Do not use this tank mixture on sand or loamy sand soils with less than 2% organic matter.

***Use equivalent rates when using Bladex 80W or Bladex 90DF. One quart of Bladex 4L equals 1.25 lbs. of Bladex 80W or 1.1 pounds of Bladex 90DF.

NOTE: Use the higher rates in the recommended ranges in areas of heavy weed infestations.

**MICRO-TECH® plus ATRAZINE plus LINURON
(TANK MIXTURE)**

FOR USE ONLY IN DELAWARE, MARYLAND, NEW JERSEY, NEW YORK, PENNSYLVANIA, VIRGINIA AND WEST VIRGINIA.

Apply this tank mixture in water or sprayable fluid fertilizer solutions for control of triazine resistant lambsquarter and pigweed in addition to yellow nutsedge and the annual grasses and broadleaf weeds listed for Micro-Tech plus atrazine in the "WEEDS CONTROLLED" section of this label.

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APPROVED APPLICATION SYSTEMS

Ground-Broadcast boom; banded

Reference: the "APPLICATION SYSTEMS" section of this label provides information on the application of this tank mixture using the system selected.

APPROVED APPLICATION METHOD

Preemergence Surface—Apply this tank mixture after planting, before crop and weed emergence and within 5 days after last preplant tillage operation.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

NOTE: PLANT ONLY CORN, PEANUTS, 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 this tank mixture on furrow irrigated corn. DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

RECOMMENDED RATES: Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)		
	Less than 3% organic matter		
	Micro-Tech® + 4L**	atrazine + 4L**	Linuron + 4L***
Coarse-sandy loam only	1.5 to 2	0.75 to 2	0.33
Medium	1.5 to 2	1 to 2	0.5
Fine	2 to 2.25	1.25 to 2	0.5

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BROADCAST RATE PER ACRE (QUARTS)

3% or more organic matter

SOIL TEXTURAL GROUP*	Micro-Tech® +	atrazine 4L**	+	Linuron 4L***
Coarse-sandy loam only	1.5 to 2	1 to 2		0.5
Medium	2 to 2.25	1.25 to 2		0.5
Fine	2 to 2.75	1.25 to 2		0.5

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

** Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 80W or 90% dry flowable formulations. One quart of atrazine 4L equals 1.25 pounds of atrazine 80W or 1.1 pounds of atrazine 90% dry flowable.

*** Use the rates listed in this label when using linuron 4L. Use equivalent rates when using linuron 50WP or 50% dry flowable formulations. One quart of linuron 4L equals 2 pounds of linuron 50WP or 2 pounds of linuron 50% dry flowable.

NOTE: Use the higher rates in the recommended ranges in areas of heavy weed infestations.

Conservation or Minimum Tillage Systems TANK MIXTURES

AT-PLANTING APPLICATIONS

When applied as directed under the conditions described, these tank mixtures control many emerged annual weeds, suppress many emerged perennial weeds and give preemergence control of many annual grasses and weeds when corn will be planted directly into a cover crop, established sod or in previous crop residues. These tank mixtures will not control regrowth from perennial weeds.

DO NOT APPLY BY AIR.

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

■ MICRO-TECH® plus GRAMOXONE EXTRA ■

or

■ MICRO-TECH plus ATRAZINE plus GRAMOXONE EXTRA ■

or

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■ MICRO-TECH plus BLADEX
plus GRAMOXONE EXTRA

OR

■ MICRO-TECH plus PRINCEP™
plus GRAMOXONE EXTRA ■

OR

■ MICRO-TECH plus ATRAZINE plus
BLADEX plus GRAMOXONE EXTRA ■

OR

■ MICRO-TECH plus ATRAZINE plus
PRINCEP plus GRAMOXONE EXTRA ■

Apply these tank mixtures with Gramoxone Extra in 20 to 60 gallons of water spray solution per acre immediately before, during or after planting, but BEFORE CROP EMERGENCE. As density of stubble, crop residue or weeds increases, spray gallonage and rate should be increased within the recommended ranges to insure complete coverage. In the absence of emerged vegetation, delete the Gramoxone Extra portion of these tank mixtures.

CONTROL OR SUPPRESSION OF EMERGED WEEDS

■ GRAMOXONE EXTRA ■

When used as directed, Gramoxone Extra in tank mixture with Micro-Tech and atrazine controls many emerged annual weeds and suppresses many emerged perennial weeds.

Broadcast Treatment—Apply 1.5 to 3 pints of Gramoxone Extra in these tank mixtures immediately before, during or after planting but BEFORE CROP EMERGENCE. Use the 1.5 to 2 pints when weeds are 1 to 3 inches tall; 2 to 2.5 pints when weeds are 3 to 6 inches tall and 2.5 to 3 pints when weeds are 6 inches tall. This mixture may not control weeds taller than 6 inches. As density of stubble, crop residue or weeds increases, spray gallonage should be increased within the recommended range for complete coverage. Add a nonionic spreader surfactant (approved for use on crops) containing at least 75 percent surfactant active agent at 8 ounces per 100 gallons of diluted spray. REFER TO THE GRAMOXONE EXTRA LABEL FOR PRECAUTIONARY STATEMENTS.

PREEMERGENCE WEED CONTROL

■ MICRO-TECH® ■

For weeds controlled preemergence, see the sections of this label on Micro-Tech. See the following table for recommended rates of Micro-Tech in this tank mixture on various soil types:

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BROADCAST RATE PER ACRE (QUARTS)

SOIL TEXTURAL GROUP*	Micro-Tech®
Coarse	2.5
Medium	3
Fine	3 to 3.5

*Refer to the "SOIL TEXTURE" section of the label to determine the corresponding soil textural group for the soil to be treated.

Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, or when organic matter content is 3 percent or more.

MICRO-TECH® plus ATRAZINE

For weeds controlled preemergence, see the sections of this label for Micro-Tech plus atrazine.

See the following table for recommended rates of Micro-Tech plus atrazine in this tank mixture on various soil types.

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)	
	Micro-Tech®	+ atrazine 4L**
Coarse-sandy loam only	1.75 to 2	1 to 2
Medium	2 to 2.5	1.2 to 2
Fine	2.5 to 3	1.6 to 2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 80W or 90% dry flowable formulations. One quart of atrazine 4L equals 1.25 pounds of atrazine 80W or 1.1 pounds of atrazine 90% dry flowable.

Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation or when fall panicum or crabgrass will be present.

Use the higher rate of atrazine in the recommended ranges on soils with greater than 3% organic matter.

NOTE: PLANT ONLY CORN, PEANUTS, 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

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soybeans the year following use of this tank mixture on furrow irrigated corn.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

MICRO-TECH® plus BLADEX

For weeds controlled preemergence, see the "WEEDS CONTROLLED" section of the label for this tank mixture.

See the following table for recommended rates of Micro-Tech plus Bladex in this tank mixture with Roundup on various soil types.

BROADCAST RATE PER ACRE (QUARTS)		
SOIL TEXTURAL GROUP*	Micro-Tech®	+ Bladex 4L**
Coarse-sandy loam only	1.75 to 2	1 to 1.6
Medium	2 to 2.5	1.2 to 1.6
Fine	2.5 to 3	1.6 to 2.2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use equivalent rates when using Bladex 80W or Bladex 90DF. One quart of Bladex 4L equals 1.25 pounds of Bladex 80W or 1.1 pounds of Bladex 90 DF.

Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation or when fall panicum or crabgrass will be present.

Use the higher rate of Bladex in the recommended ranges on soils with greater than 3% organic matter.

NOTE: Do not use this mixture on sand or loamy sand soils with less than 2% organic matter.

MICRO-TECH® plus PRINCEP

For weeds controlled preemergence see the "WEEDS CONTROLLED" section of the labels for Micro-Tech and Princep herbicides.

See the following table for recommended rates of Micro-Tech plus Princep in this tank mixture on various soil types.

BROADCAST RATE PER ACRE (QUARTS)

SOIL TEXTURAL GROUP*	Micro-Tech®	+	Princep 4L**
Coarse-sandy loam only	1.75 to 2		1 to 1.2
Medium	2 to 2.5		1.2 to 1.6
Fine	2.5 to 3		1.6 to 2.2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**When using Princep 80W use equivalent rates. One quart of Princep 4L equals 1.25 pounds of Princep 80W.

Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation or when fall panicum or crabgrass will be present.

Use the higher rate of Princep in the recommended ranges on soils with greater than 3% organic matter.

NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP EXCEPT CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR. AFTER HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS.

MICRO-TECH® plus ATRAZINE plus BLADEx

This tank mixture may be applied 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 for this tank mixtures on various soil types.

BROADCAST RATE PER ACRE (QUARTS)

SOIL TEXTURAL GROUP*	Micro-Tech®	+	atrazine 4L**	+	Bladex 4L***
Coarse****	1.75 to 2		0.75 to 1		1 to 1.25
Medium	2 to 2.5		1 to 1.25		1 to 2
Fine	2.25 to 3		1 to 1.25		1 to 2

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 80W or 90% dry flowable formulations. One quart of atrazine 4L equals 1.25 pounds of atrazine 80W or 1.1 pounds of atrazine 90% dry flowable.

***Use equivalent rates when using Bladex 80W or Bladex 90DF. One quart of Bladex 4L equals 1.25 pounds of Bladex 80W or 1.1 pounds of Bladex 90DF.

****DO NOT use this mixture on sand or loamy sand soils with less than 2% organic matter.

Use the higher rates in the recommended ranges in area of heavy weed infestations.

NOTE: PLANT ONLY corn, peanuts, 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 this tank mixture on furrow irrigated corn.

DO NOT graze treated area or feed treated forage to livestock for 21 days following application of this tank mixture.

■ MICRO-TECH® plus ATRAZINE plus PRINCEP ■

For additional preemergence control of heavy weed infestation and/or hard-to-control weeds, a three-way tank mixture of Micro-Tech herbicide plus atrazine plus Princep may be applied. Refer to the following rate table to determine the recommended rates for this tank mixture on various soil types.

BROADCAST RATE PER ACRE (QUARTS)

SOIL TEXTURAL GROUP*	Micro-Tech®	+ atrazine 4L**	+ Princep 4L***
Coarse	1.75 to 2	0.75 to 1	0.75 to 1
Medium	2 to 2.5	1 to 1.25	1 to 1.5
Fine	2.5 to 3	1 to 1.25	1 to 1.5

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding soil textural group for the soil to be treated.

**When using 4L formulations use the rates listed. Use equivalent rates when using 80W or 90% dry flowable formulations. One quart of the 4L formulation of these products equals 1.25 pounds of the 80W formulation. One quart of atrazine 4L or Princep 4L equals 1.1 pounds of the 90% dry flowable formulations of these products.

Use the higher rates of atrazine and Princep in the recommended ranges on soils with greater than 3% organic matter.

In the areas of heavy grass infestation, use the higher rate of Micro-Tech in the recommended ranges when fall panicum, crabgrass, or soils with greater than 3% organic matter will be present.

NOTE: LAND TREATED WITH PRINCEP SHOULD NOT BE PLANTED TO ANY CROP EXCEPT CORN FOR ONE YEAR FOLLOWING TREATMENT AS CROP INJURY MAY OCCUR. AFTER HARVEST OF TREATED CROP, PLOW AND THOROUGHLY TILL THE SOIL IN THE FALL OR SPRING TO MINIMIZE POSSIBLE INJURY TO SPRING SEEDED ROTATIONAL CROPS. PLANT ONLY CORN, PEANUTS, 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 this tank mixture on furrowed irrigated corn.

DO NOT GRAZE TREATED AREA OR FEED TREATED FORAGE TO LIVESTOCK FOR 21 days following application of this tank mixture.

EARLY PREPLANT APPLICATION

For use in no-till and other conservation tillage systems in CONNECTICUT, DELAWARE, ILLINOIS, INDIANA, IOWA, KANSAS, KENTUCKY, MARYLAND, MASSACHUSETTS, MICHIGAN, MINNESOTA, MISSOURI, NEBRASKA, NEW JERSEY, NEW YORK, NORTH CAROLINA, OHIO, PENNSYLVANIA, SOUTH DAKOTA, VERMONT, VIRGINIA, AND WISCONSIN.

MICRO-TECH[®]

This product, when applied in a single application or split application will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label. If weeds are emerged at time of application, apply a labeled contact herbicide with this product. Observe the directions for use, precautions, and restrictions on the label of the contact herbicide.

RECOMMENDED RATE AND TIMING OF APPLICATION

Single application—Application of this product should be made less than 30 days before planting but prior to weed emergence. This application should be restricted to areas north of Interstate 70 when west of the Mississippi River and north of Interstate 64 when east of the Mississippi River where cool spring weather minimizes or slows biodegradation of herbicides.

NOTE: Application on coarse soils should not be made more than two weeks prior to planting.

Split application—Apply 60 percent of the recommended rate as a split application prior to weed emergence and no more than 45 days prior to planting and the remaining 40 percent at or immediately following planting.

See the following table for recommended broadcast rates per acre for single and split applications.

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BROADCAST RATE PER ACRE (QUARTS)

SOIL TEXTURAL GROUP	Micro-Tech®
Coarse	2.5
Medium	3
Fine	3.5

In order to provide broad spectrum weed control, both single and split applications of this product must be followed with a planned postemergence application of a labeled broadcast and/or grass herbicide. Observe the directions for use, precautions and restrictions on the label of the postemergence herbicide before use of these products.

If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds.

**MICRO-TECH® plus ATRAZINE
(TANK MIXTURE)**

This tank mixture, when applied in a single application (alone or in a 3-way combination with Bladex or Princep), split application or as a sequential application to Bladex or Princep in early preplant programs, will provide preemergence control or reduced competition of listed annual grasses and broadleaf weeds.

If emerged weeds are present at the time of treatment Gramoxone Extra or 2,4-D should be added to the product according to the directions for use on their respective product labels. If unsatisfactory weed control occurs (due to excessively dry or excessively wet conditions) following the earlier application, a postemergence application of an appropriate labeled grass and/or broadleaf weed herbicide may be used. If a postemergence treatment includes the herbicide used early preplant, do not exceed the labelled rate for corn on a given soil texture. Observe all precautions and limitations on the labels for Micro-Tech, atrazine, Bladex, Princep, Gramoxone Extra, 2,4,-D and other post-emergence herbicides before use of these products.

RECOMMENDED RATE AND TIMING OF APPLICATION

Single application—Application of this tank mixture should be made less than 30 days before planting but prior to weed emergence. This application should be restricted to areas north of Interstate 70 when west of the Mississippi River and north of Interstate 64 when east of the Mississippi River where cool spring weather minimizes or slows biodegradation of herbicides.

See the following table for recommended rate.

BROADCAST RATE PER ACRE (QUARTS)**

SOIL TEXTURAL GROUP	Micro-Tech®	+	atrazine 4L
Coarse*	2.25 to 2.5		1.25 to 1.5
Medium	2.5 to 3		1.5 to 2
Fine	3 to 3.75		1.75 to 2.25

This tank mixture may also be mixed in a 3-way combination with 1 to 1.25 quarts per acre of Princep or 1.5 to 2 quarts per acre of Bladex to provide improved control of fall panicum and crabgrass.

*Applications on coarse soils should not be made more than 2 weeks prior to planting.

**Use the lower rate where light weed infestation is expected and the higher rate where heavy weed infestation is expected.

Split application—Apply 60 percent of the recommended rate as a split treatment prior to weed emergence and no more than 45 days prior to planting and the remaining 40 percent at or immediately following planting.

FOR CONTROL OF FALL PANICUM, CRABGRASS OR BROADLEAF SIGNALGRASS USE THE SEQUENTIAL APPLICATION OF THIS TANK MIXTURE FOLLOWING BLADEX OR PRINCEP.

See the following table for recommended rates.

BROADCAST RATE PER ACRE (QUARTS)*

SOIL TEXTURAL GROUP	Micro-Tech®	+	atrazine 4L
Coarse	2.25 to 2.75		1.25 to 1.75
Medium	2.5 to 3		1.5 to 2
Fine	3 to 3.75		1.75 to 2.25

*Use the lower rate where light weed infestation is expected and the higher rate where heavy weed infestation is expected.

Sequential application—Application of this tank mixture following Bladex or Princep should be utilized for the control of fall panicum, crabgrass or broadleaf signalgrass. Apply 1.5 to 2 quarts per acre of Bladex or 1 to 1.25 quarts per acre of Princep prior to weed emergence and no more than 45 days prior to planting. At or immediately following planting apply the recommended rate of this tank mixture.

Following applications of Bladex or Princep, see the following table for recommended rates.

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BROADCAST RATE PER ACRE (QUARTS) *

SOIL TEXTURAL GROUP	Micro-Tech®	+	atrazine 4L
Coarse	1.75 to 2.5		1 to 1.5
Medium	2.25 to 2.75		1.25 to 1.75
Fine	2.5 to 3		1.5 to 2

*Use the lower rate where light weed infestation is expected and the higher rate where heavy weed infestation is expected.

Use rates listed in this label when using the 4L formulation of atrazine, Bladex or Princep. Use equivalent rates of the 80W or 90% dry flowable formulations of atrazine, Bladex or Princep. One quart of the 4L formulation of atrazine, Bladex or Princep equals 1.25 pounds of the 80W and 1.1 pounds of the 90% dry flowable formulations of atrazine, Bladex or Princep.

DO NOT use Bladex on coarse textured soils or soils of less than 1 percent organic matter.

Plant only corn, peanuts, sorghum (milo) or soybeans the year following the use of this program. There is a possibility of crop injury due to carryover of atrazine if soybeans are planted the following year.

NOTE: Soil treated with Princep should not be planted to any crop except corn for one year following treatment as crop injury may occur. After harvest of the treated crop, plow and thoroughly till the soil in the fall or spring to minimize possible injury to spring seeded rotational crops.

APPENDIX
LIST OF COMMON AND SCIENTIFIC NAME OF ANNUAL GRASSES AND
BROADLEAF WEEDS.

ANNUAL GRASSES

Barnyardgrass

Echinochloa crus-galli

Crabgrass

Digitaria ischaemum

Digitaria sanguinalis

Cupgrass, woolly

Eriochloa villosa

Foxtail, giant

Setaria faberi

Foxtail, green, robust

purple, robust white

Setaria viridis

Foxtail, yellow

Setaria lutescens

Goosegrass

Eleusine indica

Johnsongrass, seedling

Sorghum halepense

Millet, proso

Panicum miliaceum

Panicum, browntop

Panicum fasciculatum

Panicum, fall

Panicum dichotomiflorum

Panicum, Texas

Panicum texanum

Rice, red

Oryza sativa

Sandbur, Grassbur

Cenchrus incertus

Shattercane, wild cane

Sorghum bicolor

Signalgrass, broadleaf

Brachiaria platyphylla

Sprangletop, red

Leptochloa filiformis

Witchgrass

Panicum capillare

ANNUAL BROADLEAVES

Beggarweed, Florida

Desmodium tortuosum

Carpetweed

Mollugo verticillata

Cocklebur

Xanthium strumarium

Coffeeweed,

Hemp sesbania

Sesbania exaltata

Copperleaf, hophornbeam

Acalypha spp.

Galinsoga

Galinsoga spp.

Groundcherry, annual

Physalis spp.

Groundcherry, cutleaf

Physalis angulata

Jimsonweed

Datura stramonium

Kochia

Kochia scoparia

Lambsquarters

Chenopodium album

Morningglory:

Tall

Ipomoea purpurea

Pitted

Ipomoea lacunosa

Ivyleaf

Ipomoea hederacea

Entireleaf

Ipomoea hederacea

var. *intergriuscula*

Smallflower

Jacquemontia tamnifolia

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Mustard
Brassica spp.

Nightshade, black
Solanum nigrum

Nightshade, hairy
Solanum sarrachoides

Pigweed, Carelessweed
Amaranthus spp.

Purslane
Portulaca oleracea

Pusley, Florida
Richardia scabra

Ragweed, common
Ambrosia artemisiifolia

Ragweed, giant
Ambrosia trifida

Sicklepod
Cassia obtusifolia

Sida, prickly; Teaweed
Sida spinosa

Smartweed
Polygonum pensylvanicum
Polygonum persicaria

Starbur, bristly
Acanthospermum
hispidum

Sunflower, common
Helianthus annuus

Velvetleaf, Buttonweed
Abutilon theophrasti

Waterhemp
Amaranthus tuberculatos

SEDGE

Nutsedge, yellow
Cyperus esculentus

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CALIFORNIA

This product has been approved by the U.S. Environmental Protection Agency for the uses, crops and sites listed in this label and by California. With the exception of these items listed below, this booklet contains the material approved by California.

These use conditions, crops and sites may not be treated with this product in California.

- Tank mixtures with Canopy, Command, Gemini, Lorox Plus, Preview, Pursuit, Scepter and Treflan on soybeans.

- Control of *Ipomoea hederacea*
- Control of *Ipomoea hederacea* var.
- Control of *Ipomoea integrifolia*
- Control of *Ipomoea purpurea*
- Control of *Ipomoea lacunosa*
- Control of *Jacquemontia tamnifolia*
- Control of *Leptochloa filiformis*
- Control of *Panicum fasciculatum*

- Aerial application

- Tank mixtures of Micro-Tech/Atrazine/Prowl for corn

- Tank mixtures of Micro-Tech/Bladex/Prowl for corn

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EPA Reg. No. 524-344-ZA

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

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