

## ATTENTION:

This specimen label is provided for general information only.

- This pesticide product may not yet be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state and local laws and regulations regarding the use of pesticides.
- Before using any pesticide, be sure the intended use is approved in your state or locality.
- Your state or locality may require additional precautions and instructions for use of this product that are not included here.
- Monsanto does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on the product label. You must have the EPA approved labeling with you at the time of use and must read and follow all label directions.
- You should not base any use of a similar product on the precautions, instructions for use or other information you find here.
- Always follow the precautions and instructions for use on the label of the pesticide you are using.

12034I4-18

### RESTRICTED USE PESTICIDE

due to ground water concerns. 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.



*Herbicide by Monsanto*

**Herbicide for weed control in corn, soybeans and crops listed.**

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

## Complete Directions for Use

This product has been approved for use in California except as stated otherwise on page 19.

Not for use in Suffolk and Nassau counties of New York.

For more product information, call toll-free 1-800-332-3111.

EPA Reg. No. 524-344

2010-1

Read the entire label before using this product.

Use only according to label instructions.

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

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

#### 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.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

To the extent consistent with applicable law, 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.

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.

#### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children.

## CAUTION!

HARMFUL IF INHALED.  
CAUSES MODERATE EYE IRRITATION.

This product may cause skin sensitization reactions in some people.  
Avoid breathing spray mist.  
Avoid contact with eyes, skin and clothing.

FIRST AID	
<b>IF INHALED</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>IF IN EYES</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<ul style="list-style-type: none"><li>• Have the product container or label with you when calling a poison control center or doctor or going for treatment.</li><li>• You may also contact (314) 694-4000, collect day or night, for emergency medical treatment information.</li><li>• This product is identified as <b>Micro-Tech® herbicide, EPA Registration No. 524-344.</b></li></ul>	

#### Personal Protective Equipment (PPE)

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

**Mixers, loaders, applicators and other handlers must wear:** long-sleeved shirt and long pants, and shoes and socks.

**In addition to PPE above, Mixers and loaders and persons cleaning equipment must also wear:** chemical-resistant gloves and chemical-resistant apron.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

#### Engineering Controls

Mixers and loaders supporting aerial applications, chemigation, or impregnation of dry bulk fertilizer are required to use a mechanical transfer system designed by the manufacturer to transfer liquid pesticide in a manner that prevents the liquid (but not necessarily any vapor) from contacting handlers or other people during the transfer. The closed system must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS for agricultural pesticides [40 CFR 170.240 (d)(4)]).

**IMPORTANT:** Mixers and loaders using closed systems must: (1) wear the PPE specified above for mixers and loaders and protective eyewear if the system operates under pressure, and (2) must be provided and have immediately available for use in an emergency, such as a spill or an equipment breakdown, the following PPE: Coveralls, and chemical-resistant footwear.

### User Safety Recommendations

Users should:

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

### Environmental Hazards

This chemical is toxic to terrestrial and aquatic plants, 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. Runoff may be hazardous to aquatic organisms in neighboring areas.

Alachlor can contaminate surface water through spray drift. Under some conditions, alachlor may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several weeks post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas over-lying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface water.

Do not contaminate water when disposing of equipment washwater or rinsate.

This chemical and/or its metabolites are known to leach through soil into ground water under certain conditions as a result of registered uses. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Do not apply to highly permeable soils (as classified by the USDA Natural Resources Conservation Service) where the depth to ground water is 30 feet or less.

Check valves or anti-siphoning 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.

### Physical or Chemical Hazards

In case of: SPILL or LEAK, soak up, remove and keep away from humans and domestic animals.

ACTIVE INGREDIENT:

*Alachlor, 2-chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide .....	41.5%
OTHER INGREDIENTS: .....	58.5%
	100.0%

\*Contains 480 grams per liter or 4 pounds per gallon of alachlor.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published Monsanto Supplemental Labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirement specific to your state or Tribe, consult the agency responsible for pesticide regulation.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

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

### Storage and Disposal

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

**PESTICIDE STORAGE:** Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination. STORE ABOVE -4°F TO KEEP PRODUCT FROM FREEZING. If frozen, thaw before use.

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

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

### PRODUCT 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 before or after planting or shallowly incorporated prior to planting to blend the herbicide treatment into the upper 1 to 2 inches of soil. The seedbed should be fine, firm and free of clods when tillage is performed.

#### Precautions and Restrictions

• Rotational crops include: corn (all types), grain sorghum, soybeans, peanuts, dry beans (all types), lima (green), woody ornamentals, cotton, sunflowers, non-grass animal feed crops such as alfalfa, clover, lespedeza, lupin, sainfoin, trefoil, and *Vetch* spp., cereal grain crops (excluding rice).

• Do not apply more than 4 pounds of alachlor active ingredient per acre per year. This is equivalent to 4 quarts of this product per acre per year.

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 ensure that they choose the lowest effective label rate.

The 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

#### APPLICATION RESTRICTIONS: MIXING/LOADING SETBACKS

This product may not be mixed or loaded within 50 feet of perennial or intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be mixed/loaded or used within 50 feet of all wells, including abandoned wells (unless the well has been properly capped or plugged), 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 rain water that may fall on the 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 at a minimum 110 percent of the capacity of the

largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100 percent of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above-specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site.

#### Spray Drift Requirements

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

- For **ground boom applications**, apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 miles per hour or less at the application site as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.
- For **aerial applications**, the boom width must not exceed 75 percent of the wingspan or 90 percent of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3 to 10 miles per hour as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or the crop canopy.
- For overhead chemigation, apply only when wind speed is 10 miles per hour or less.
- The applicator also must use all other measures necessary to control drift.

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 is 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 and 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.

#### Mixing Instructions

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

**NOTE:** This product and all tank-mixtures listed for corn, sorghum and soybeans in the "DIRECTIONS FOR USE" section may be applied in sprayable fluid fertilizer. DO NOT apply this product or labeled tank-mixtures of this product in sprayable fluid fertilizers on any other crops.

Mix this product or labeled tank-mixtures of this product, EXCEPT Micro-Tech plus TREFLAN, with the appropriate carrier as follows:

1. Place a 20- to 35-mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with the appropriate carrier.
3. If a compatibility agent is necessary to improve mixing or to prevent the formation of undesirable and unsprayable gels or precipitates, while agitating add it to the carrier already in the tank. Use only compatibility agents, cleared by FDA for this use. Read and follow all directions for use, cautionary statements and all other information appearing on the selected compatibility agent label. Check for adequate agitation.
4. If a wettable powder or dry flowable formulation is used, make a slurry with water and add it SLOWLY through the screen into the tank. Continue agitation.
5. If a flowable formulation is used, add SLOWLY through the 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 this product SLOWLY through the screen into the tank. Mixing and compatibility may be improved when this product is prediluted with two parts of water and added to the tank in diluted form.

7. Complete filling the sprayer tank with carrier. If a Gramoxone brand herbicide is used, add the required amount near the end of the filling process. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source.

Mix this product plus Treflan with water 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. Add the Treflan while continuing agitation.
4. Add this product next while continuing agitation.
5. Complete filling the tank with water.

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

**NOTE:** If the spray mixture is expected to set unagitated for 8 hours or more (overnight), add a resuspendability agent prior to shutdown, i.e., Hold-Up at 8 ounces per 100 gallons of spray solution or nitrogen fertilizer solution (i.e., 28% N) at 4 gallons per 100 gallons of spray solution. Allow resuspendability agent to mix with spray mixture before shutting off agitation. Agitate the spray mixture thoroughly to resuspend settled product before resuming spraying.

Keep by-pass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be 50-mesh. Carefully select proper nozzle to avoid spraying a fine mist. Check for even distribution of spray droplets. To reduce loss of the chemical due to drift of a fine mist, apply at nozzle pressures below 40 psi.

### 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 herbicides 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.



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.



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.



Amount To Be  
Added Per Pint of  
Sprayable Fluid Fertilizer  
(Assuming Volume is 25 Gallons/Acre)

HERBICIDE	RATE/ACRE	Level	
		TEAspoons	MILLILITERS
Wettable	1 pound	=	1.5
Powders or	2 pounds	=	3.0
Dry Flowables	3 pounds	=	4.5
	4 pounds	=	6.0
	5 pounds	=	7.5

HERBICIDE	RATE/ACRE	Level	
		TEAspoons	MILLILITERS
Emulsifiable	1 pint	=	0.5 or 2.4
Concentrate or	1 quart	=	1 or 4.7
Flowables or	2 quarts	=	2 or 9.5
Liquids or	3 quarts	=	3 or 14.2
Solutions	4 quarts	=	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**—For application into CONVENTIONAL TILLAGE SYSTEMS, apply this product and the labeled tank-mixtures in 15 or more gallons of solution per acre using broadcast boom equipment. For application into CONSERVATION OR MINIMUM TILLAGE SYSTEMS, apply in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre when adding Roundup® agricultural herbicides or 2,4-D to the mix. Apply in 20 to 60 gallons of water or nitrogen solution when adding Gramoxone brand herbicides to the mix. 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.

See the **Spray Drift Requirements** sub-section of the label under the "MIXING, SPRAYING AND HANDLING INSTRUCTIONS" section for additional application requirements.

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

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast RATE per acre} = \text{Band RATE per acre}$$

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast VOLUME per acre} = \text{Band VOLUME per acre}$$

**Chemigation—Center Pivot Irrigation**—Apply this product and labeled tank-mixtures only through center pivot irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. Use only in systems that apply uniformly.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not chemigate through systems connected to a public water system.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise. Do not apply when system connections or fittings leak, when nozzles do not provide uniform distribution or when the line containing the product must be dismantled and drained.

The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a systems interlock. Pumps, injection equipment, agitation equipment, hoses and connections between supply tank and the point of injection must be constructed of materials which are resistant to this product.

Apply only when wind speed is 10 miles per hour or less.

Meter this product or a labeled tank-mixture of this product into the center pivot irrigation system after planting and before crop emergence. Herbicide application should be made in 1/3 to 3/4 inch of water per acre. Do not apply in more than 3/4 inch of water per acre under any conditions or reduced performance may occur. On very sandy soils (more than 60 percent sand and less than 1 percent organic matter), apply these herbicides in a maximum of 1/2 inch of water per acre. Good agitation must be maintained during the entire application period. Flush the system with water when application is complete. Refer to the "MIXING, SPRAYING AND HANDLING INSTRUCTIONS" section of the label for mixing procedures.

Mixers and loaders supporting chemigation are required to use a mechanical transfer system designed by the manufacturer to transfer liquid pesticide in a manner that prevents the liquid (but not necessarily any vapor) from contacting handlers or other people during the transfer. The closed system must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS for agricultural pesticides [40 CFR 170.240 (d)(4)]).

**NOTE:** Applications can be made by injection through center pivot irrigation equipment only when specified for the crop to be treated in the "DIRECTIONS FOR USE" section of this label. Do not apply this product or any labeled tank-mixture through center pivot irrigation unless the treatment is specifically recommended in this label for the crop to be treated.

**Aerial: Fixed wing, helicopter**—Apply 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 CONDITIONS WHICH WILL ALLOW DRIFT.**

Mixers and loaders supporting aerial applications are required to use a mechanical transfer system designed by the manufacturer to transfer liquid pesticide in a manner that prevents the liquid (but not necessarily any vapor) from contacting handlers or other people during the transfer. The closed system must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS for agricultural pesticides [40 CFR 170.240 (d)(4)]).

See the **Spray Drift Requirements** sub-section of the label under the "MIXING, SPRAYING AND HANDLING INSTRUCTIONS" section for additional application requirements.

### Application with Dry Bulk Fertilizer

For dry-bulk fertilizer impregnation operations, the maximum amount of alachlor that an individual worker can handle in a single day is 4000 pounds of active ingredient, which is equivalent to 1000 gallons of this product.

Mixers and loaders supporting impregnation of dry bulk fertilizer are required to use a mechanical transfer system designed by the manufacturer to transfer liquid pesticide in a manner that prevents the liquid (but not necessarily any vapor) from contacting handlers or other people during the transfer. The closed system must be used in a manner that meets the requirements listed in the Worker Protection Standard for agricultural pesticides [40 CFR 170.240 (d)(4)].

The herbicide-dry fertilizer impregnation process must be completed only by commercial fertilizer or chemical dealerships properly equipped for this procedure.

Dry bulk fertilizer may be impregnated with this product or the tank-mixtures of this product plus atrazine on corn and sorghum and this product or the tank-mixtures of this product plus Sencor on soybeans. This product 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 application 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:

Fertilizer Rate (Pounds/Acre)	Acres Covered (Per Ton)	QUARTS LIQUID HERBICIDE/ACRE			
		1.5	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:

$$\frac{\text{Herbicide Application Rate (Pounds or Quarts)/Acre} \times 2000}{\text{Pounds Fertilizer/Acre}} = \frac{\text{Pounds or Quarts of Herbicide Per Ton of Dry Bulk Fertilizer}}$$

Mix and blend the dry fertilizer and herbicide mixture in a closed rotary-drum type mixer 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 Agsorb, MP-79, or Microcel E can be added to provide a free-flowing mixture.

The following table provides a partial list of dry fertilizers that may be impregnated with this product or tank-mixtures of this product with other herbicides.

Fertilizer	Micro-Tech	Micro-Tech + atrazine	Micro-Tech + Sencor
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	Yes
Treble super-phosphate (0-46-0)	Yes	No	Yes
*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 this product or tank-mixtures of this product with other herbicides on fertilizers containing ammonium nitrate, potassium nitrate or sodium nitrate.

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 herbicide-dry fertilizer mixture may result in unsatisfactory weed control or crop injury.

### APPLICATION TIMING AND METHODS

**Early Preplant Surface**—This product and some labeled tank-mixtures of this product may be applied in no-til 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 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 directions 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 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.

Shallowly incorporate 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. Equipment should be set to work the soil NO DEEPER THAN 4 INCHES. Soil conditions, including moisture content and crop residue levels, must be suitable to allow thorough and uniform mixing with the equipment used.

**Preemergence Surface Application**—This product and all labeled tank-mixtures except this product plus Command or Eptam or Treflan 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 inch 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.

**Postemergence Surface Application**—This product and certain tank-mixtures may be applied to specific crops at the ground cracking stage of the crop or after crop emergence. Refer to the specific treatment and crop intended in the "DIRECTIONS FOR USE" section of this label to determine if postemergence applications to the crop are recommended and to determine the proper weed and crop growth stage limitations. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone to control unemerged weeds. The amount of precipitation or irrigation required depends on existing soil moisture, soil type and percent organic matter content, but 1/3 to 3/4 inch is normally adequate. If weeds emerge after treatment, rotary hoe or shallowly cultivate immediately to improve performance.

**NOTE:** Do not apply this product postemergence to corn in Texas.

**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.

## CONSERVATION OR MINIMUM TILLAGE SYSTEMS TANK-MIXTURES

### AT-PLANTING APPLICATIONS

When applied as directed under the conditions described, the recommended tank-mixtures control many emerged annual weeds, suppress many emerged perennial weeds and give preemergence control of many annual grasses and broadleaf weeds when corn, grain sorghum or soybeans will be planted directly into a cover crop, stale seedbed, established sod, or in previous crop residues. Consult the "WEEDS CONTROLLED" section of this label to determine the weeds that are controlled or reduced prior to their emergence, and the "WEEDS CONTROLLED" section of the specific product labels for Roundup agricultural herbicides, Gramoxone brand herbicides or 2,4-D herbicides to determine the weeds that are controlled or reduced following postemergence treatment by these products.

Apply the recommended tank-mixtures BEFORE CROP EMERGENCE. As density of stubble, crop residue or weeds increases, spray volume and rate should be increased within the application rate ranges to ensure complete coverage. In the absence of emerged vegetation, delete the Roundup agricultural herbicides, 2,4-D or Gramoxone brand herbicide portion of these tank-mixtures. Follow the recommendations in the preceding sections of this label and also the label of the contact herbicide that is included in the tank-mixture to provide postemergence control of weeds.

APPLY ONLY BY GROUND APPLICATION SYSTEMS. DO NOT APPLY BY AIR.

#### ATTENTION

AVOID DRIFT - EXTREME CARE MUST BE USED WHEN APPLYING THESE TANK-MIXTURES TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS. Do not allow spray mist to drift because even minute quantities of spray can cause severe damage or destruction to nearby crops, plants or other areas on which treatment is not intended. Do not apply when winds are gusty or in excess of 5 miles per hour or when other conditions, including lesser wind velocities, will allow drift to occur. When spraying, avoid combinations of pressure and nozzle type that will result in fine particles (mist) that are more likely to drift.

For emerged annual or perennial weeds controlled or suppressed, see the "WEEDS CONTROLLED" section of the specific labels for Roundup agricultural herbicides, 2,4-D or Gramoxone brand herbicides. USE OF THESE MIXTURES FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IS NOT RECOMMENDED.

**Ammonium Sulfate**—The addition of ammonium sulfate in the spray solution may increase the performance of Roundup agricultural herbicide tank-mixtures 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 water. Ammonium sulfate should be added to the water in the spray tank and completely dissolved prior to adding the 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 one minute. If undissolved sediment is observed, predissolve the ammonium sulfate in water and filter prior to adding to the spray tank.

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

**Surfactants**—Nonionic surfactants which are labeled for use with herbicides may be used with some Roundup agricultural herbicides. Check specific label for restrictions. When allowed, do not reduce rates of Roundup agricultural herbicides when adding surfactant. Use 0.5 percent surfactant concentration (2 quarts per 100 gallons of spray solution) when using surfactants which contain at least 50 percent active ingredient or a 1 percent surfactant concentration (4 quarts per 100 gallons of spray solution) for those surfactants containing less than 50 percent active ingredient. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

### WEEDS CONTROLLED

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

When applied as directed under the 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 of the weeds listed below, refer to the appendix at the end of this booklet.

The tank-mixtures of this product plus atrazine or Princep may not control triazine-resistant weeds as indicated in the tables below for these mixtures.

#### ANNUAL GRASSES

**NOTE: C = Control R = Reduced Competition**

	Micro-Tech	Micro-Tech plus			
		atrazine	Banvel	Canopy	Command
		Barnyardgrass	C	C	C
Crabgrass	C	C	C	C	C
Cupgrass, woolly <sup>1</sup>	R	R	•	R	R
Foxtail: giant, green, robust purple, robust white, yellow	C	C	C	C	C
Goosegrass	C	C	C	C	C
Johnsongrass, seedling <sup>2</sup>	R	R	R	R	R
Millet, proso <sup>3</sup>	R	R	•	•	•
Panicum: browntop, fall	C	C	C	C	C
Panicum, Texas <sup>4</sup>	R	R	R	R	R
Rice, red <sup>5</sup>	C	C	•	C	C
Sandbur; Grassbur <sup>2,6</sup>	R	C	•	•	•
Shattercane; Wild cane <sup>1</sup>	R	R	•	R	R
Signalgrass, broadleaf	C	C	C	C	C
Sprangletop, red	C	C	C	C	C
Witchgrass	C	C	C	C	C

#### ANNUAL BROADLEAVES

**NOTE: C = Control R = Reduced Competition**

	Micro-Tech	Micro-Tech plus			
		atrazine	Banvel	Canopy	Command
		Beggarweed, Florida <sup>2</sup>	R	C	•
Carpetweed	C	C	C	C	C
Cocklebur	•	R	R	C	•
Coffeeweed; Hemp sesbania	•	•	•	C	•
Copperleaf, hophornbeam	•	•	C	C	•

Galinsoga	C	C	•	C	C
Groundcherry, annual	•	C	•	C	•
Groundcherry, cutleaf <sup>7</sup>	C	C	C	C	C
Jimsonweed	•	C	•	C	C
Kochia	•	C	C	•	•
Lambsquarters <sup>2</sup>	R	C	C	C	C
Morningglory: tall <sup>8</sup> , pitted, ivyleaf <sup>8</sup> , entireleaf <sup>8</sup> , smallflower	•	R	R	C	•
Mustard	•	•	•	C	•
Nightshade: black <sup>7</sup> , hairy <sup>7</sup>	R	C	C	C	•
Pigweed; Carelessweed	C	C	C	C	C
Purslane	C	C	C	C	C
Pusley, Florida	C	C	C	C	C
Ragweed, common <sup>2</sup>	R	C	C	C	C
Ragweed, giant	•	•	•	R	•
Sicklepod	•	C	•	C	•
Sida, prickly; Teaweed <sup>2</sup>	R	•	•	C	C
Smartweed <sup>2</sup>	R	C	C	C	R
Starbur, bristly	R	C	•	C	•
Sunflower, common	•	•	•	R	•
Velvetleaf; Buttonweed <sup>6</sup>	•	R	R	C	C
Waterhemp	C	C	C	C	C

#### SEDGE

Nutsedge, yellow <sup>5</sup>	C	C	•	C	C
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#### ANNUAL GRASSES

**NOTE: C = Control R = Reduced Competition**

	Micro-Tech plus					
	linuron	Lorox Plus	Pursuit	Scepter	Sencor	Treflan
	Barnyardgrass	C	C	C	C	C
Crabgrass	C	C	C	C	C	C
Cupgrass, woolly <sup>1</sup>	•	•	R	R	R	R
Goosegrass	C	C	C	C	C	C
Johnsongrass, seedling <sup>2</sup>	R	R	C	C	R	R
Millet, proso <sup>3</sup>	•	•	•	•	•	•
Panicum: browntop, fall	C	C	C	C	C	C
Panicum, Texas <sup>4</sup>	R	R	R	R	R	R
Rice, red <sup>5</sup>	•	•	C	C	C	C
Sandbur; Grassbur <sup>2,6</sup>	•	•	•	•	•	•
Shattercane; Wild cane <sup>1</sup>	•	•	R	R	R	R
Signalgrass, broadleaf	C	C	C	C	C	C
Sprangletop, red	C	C	C	C	C	C
Witchgrass	C	C	C	C	C	C

#### ANNUAL BROADLEAVES

**NOTE: C = Control R = Reduced Competition**

	Micro-Tech plus					
	linuron	Lorox Plus	Pursuit	Scepter	Sencor	Treflan
	Beggarweed, Florida <sup>2</sup>	•	•	•	•	R
Carpetweed	C	C	C	C	C	C
Cocklebur	•	C	C	C	R	•
Coffeeweed	•	•	•	•	•	•
Copperleaf, hophornbeam	•	•	•	•	•	•
Galinsoga	C	C	C	C	C	C
Groundcherry, annual	C	C	C	C	C	•
Groundcherry, cutleaf <sup>7</sup>	C	C	C	C	C	C
Jimsonweed	•	C	C	C	R	•
Kochia	•	•	•	•	•	C
Lambsquarters <sup>2</sup>	C	C	C	C	C	•
Morningglory: tall <sup>8</sup> , pitted, ivyleaf <sup>8</sup> , entireleaf <sup>8</sup> , smallflower	•	R	R	R	•	•
	•	R	R	C	•	•
	•	R	R	R	•	•
	•	•	C	C	•	•

**ANNUAL BROADLEAVES**

**NOTE: C = Control**

**R = Reduced Competition**

Micro-Tech plus

	Imuron	Lorox Plus	Pursuit	Scepter	Sencor	Treflan
Mustard	C	C	C	C	•	•
Nightshade: black <sup>7</sup> , hairy <sup>7</sup>	C	C	C	C	C	C
Pigweed; Carelessweed	C	C	C	C	C	C
Purslane	C	C	C	C	C	C
Pusley, Florida	C	C	C	C	C	C
Ragweed, common <sup>2</sup>	C	C	R	C	C	•
Ragweed, giant	•	R	R	R	•	•
Sicklepod	•	•	•	R	R	•
Sida, prickly; Teaweed <sup>2</sup>	C	C	C	C	C	•
Smartweed <sup>2</sup>	C	C	C	C	C	•
Starbur, bristly	•	•	•	C	C	•
Sunflower, common	•	•	C	C	•	•
Velvetleaf; Buttonweed <sup>8</sup>	R	C	C	C	R	•
Waterhemp	C	C	C	C	C	C

**SEDGE**

Nutsedge, yellow <sup>5</sup>	•	•	C	C	C	C
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<sup>1</sup> Use 4 quarts per acre of this product applied alone or in tank-mix combinations. Preplant incorporate only to reduce competition from this weed.

<sup>2</sup> For reduced competition from this weed with this product alone, use 2.5 to 4 quarts of this product per acre.

<sup>3</sup> Plant corn into freshly prepared seedbed. Apply 4 quarts of this product per acre preemergence surface immediately after corn planting to reduce competition from this weed.

<sup>4</sup> Use 3 to 4 quarts of this product per acre and apply through center pivot irrigation or under sprinkler irrigation systems. DO NOT apply this product plus atrazine tank-mixture through center pivot irrigation systems.

<sup>5</sup> Use 3 to 4 quarts of this product per acre applied alone or in tank-mixture and apply preplant incorporated only for control on medium- and fine-textured soils. When tank-mixed with Pursuit or Scepter, use 2 to 3 quarts of this product per acre and preplant incorporate only. On coarse-textured soils with less than 3 percent organic matter, use 3 to 4 quarts of this product per acre as a preemergence surface application to reduce competition from yellow nutsedge.

<sup>6</sup> Apply 2.5 to 3 quarts of this product 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.

<sup>7</sup> Use a minimum of 2.5 quarts of this product per acre on coarse soils, or 3 to 4 quarts of this product per acre on medium and fine soils when used alone or in tank-mixture with Banvel or equivalent rates of other dicamba products registered for this use, Canopy, Command, Sencor or Treflan for control of this weed.

<sup>8</sup> For best results on these species when using this product plus Scepter tank-mixture, use preplant incorporated treatments.

Certain tank-mixtures of this product and broadleaf herbicides may be combined with applications of Roundup agricultural herbicides or Gramoxone brand herbicides for control of many emerged weeds prior to corn, sorghum or soybean emergence. Refer to the specific Roundup agricultural herbicide or Gramoxone brand herbicide labels for a list of emerged weeds controlled by tank-mixtures with these products.

**CORN**

**CORN CONTAINING ROUNDUP READY® 2 TECHNOLOGY**

This product may be used on corn containing Roundup Ready 2 Technology including Roundup Ready Corn 2. A minimum of 1.25 quarts per acre of this product is required. Use the full labeled rate of this product when the application is 14 days or more prior to planting or when the following grasses may be expected: barnyardgrass, shattercane, seedling johnsongrass or sandbur.

**Tank-mix Preemergence Sequential Program**

This product may be used at a Roundup Ready RATE™ of 2.0 quarts per acre in a sequential program with a Roundup agricultural herbicide labeled for use in corn containing Roundup Ready 2 Technology. Apply a sequential application of a Roundup agricultural herbicide labeled for use in corn with Roundup Ready 2 Technology, per the label instructions.

If weeds are present at the time of preemergence application, tank-mix with a Roundup agricultural herbicide to control emerged vegetation.

**Postemergence Tank-mixtures**

This product may be used at a Roundup Ready RATE of 2.0 quarts per acre in a tank-mix program with Roundup agricultural herbicides labeled for use in corn containing Roundup

Ready 2 Technology. Combine in a tank-mix with Roundup agricultural herbicides labeled for use in corn containing Roundup Ready 2 Technology, per the label instructions.

**CORN—CONVENTIONAL TILLAGE (All Types)**

**NOTE:** Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications that are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank-mixtures, including precautions on soil pH, sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the application rate ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding “APPLICATION SYSTEMS” and “APPLICATION TIMING AND METHODS” should be carefully reviewed in conjunction with the information in this section. If the specific information in this section differs from the “PRODUCT INFORMATION”, the specific information should control.

When making applications on corn, do not make more than two applications per year. Do not make more than one application on sweet corn. Do not apply more than 4 pounds of alachlor active ingredient per acre per year. This is equivalent to 4 quarts of this product per acre per year.

**NOTE:** Postemergence sequential treatments may not exceed 2 quarts per acre.

**MICRO-TECH**

Apply this product in water or sprayable fluid fertilizer solution.

**APPROVED APPLICATION SYSTEMS**

**Ground: Broadcast boom, banded; Aerial: Fixed wing, helicopter; Center Pivot Irrigation; Dry Bulk Fertilizer Impregnation**

**APPROVED APPLICATION METHODS**

**Preplant Incorporated, Preemergence Surface, Postemergence Surface**

**Postemergence Surface**—This product may be applied after crop emergence to reduce competition from weeds listed as controlled on this label. Apply before corn exceeds 5 inches in height. Do not exceed 4 quarts per acre or make postemergence applications to sweet corn.

Minimize herbicide contact with the corn foliage since leaf burn may occur. Subsequent growth or yield should not be affected.

Weeds that are emerged at time of application are not controlled by this product. If weeds are emerged at application, shallowly cultivate or rotary hoe immediately to improve performance. Postemergence applications with sprayable fluid fertilizer are not recommended because severe crop injury may occur.

**NOTE:** The highest levels of weed control will be obtained when applications are made prior to the emergence of the crop and weeds.

**Sequential Treatment**—This product may be applied as two sequential treatments for improved control of hard-to-control weeds. The combined total application rate for the two treatments must not exceed 4 quarts per acre per year. The second treatment must be applied before the corn exceeds 5 inches in height. In a sequential program, no more than 2 quarts per acre may be applied after corn emerges.

**Preemergence Sequential Program**

This product may be used at a Roundup Ready RATE of 2.0 quarts per acre in a sequential program with a Roundup agricultural herbicide labeled for use in corn containing Roundup Ready 2 Technology. Apply a sequential application of a Roundup agricultural herbicide labeled for use in corn with Roundup Ready 2 Technology, per the label instructions.

If weeds are present at the time of preemergence application, tank-mix with a Roundup agricultural herbicide to control emerged vegetation.

**Postemergence Tank-mixtures**

This product may be used at a Roundup Ready RATE of 2.0 quarts per acre in a tank-mix program with Roundup agricultural herbicides labeled for use in corn containing Roundup Ready 2 Technology. Combine in a tank-mix with Roundup agricultural herbicides labeled for use in corn containing Roundup Ready 2 Technology, per the label instructions.

**APPLICATION RATES: Preplant Incorporated Application**

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 3.0	2.5 to 3.0
Fine	2.5 to 3.0	3.0 to 3.5

\*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.

**APPLICATION RATES: Preemergence Surface and Postemergence Surface Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (quarts)*	
	Less than 3% organic matter	3% or more organic matter
Coarse**	2.0 to 2.25	2.0 to 2.75
Medium	2.0 to 2.75	2.0 to 2.75
Fine	2.0 to 2.75	2.5 to 3.25

\* 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.

**NOTE:** For postemergence surface treatment—When applied sequentially following preemergence applications of this product or tank-mixtures of this product, the total amount of this product applied alone or in combination must not exceed 4 quarts per acre per year and no more than 2 quarts per acre may be applied sequentially after corn emerges.

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

Apply this tank-mixture in water or sprayable fluid fertilizer solution. DO NOT graze treated area or feed treated forage to livestock for 60 days following application of this mixture.

**NOTE:** The total amount of atrazine 4L must not exceed 2.5 quarts per acre per year. Refer to the specific atrazine product label for additional application rate restrictions in corn.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded; Aerial: Fixed wing, helicopter; Dry Bulk Fertilizer Impregnation**

APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface, Postemergence Surface**

**Postemergence Surface**—Apply this tank-mixture after crop emergence until weeds reach the 2-leaf stage and the crop is no more than 5 inches tall. Applications made beyond the 2-leaf stage will not provide satisfactory weed control. Some leaf burn may occasionally occur when applied early postemergence to corn, but subsequent growth or yield should not be affected. Do not exceed 4 quarts per acre or make postemergence applications to sweet corn.

Postemergence applications with sprayable fluid fertilizer are not recommended because severe crop injury may occur.

When applied following this product or tank-mixtures of this product, the total amount of this product applied alone or in combination must not exceed 4 quarts per acre per year and no more than 2 quarts per acre may be applied sequentially after corn emerges.

**NOTE:** CORN, PEANUTS, SORGHUM OR SOYBEANS\* can be planted 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.

**APPLICATION RATES: Preplant Incorporated Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech (quarts)	+ atrazine 4L (quarts)	Micro-Tech (quarts)	+ atrazine 4L (quarts)
Coarse	1.75 to 2.25	1.25 to 2.0	1.75 to 2.25	1.25 to 2.0
Medium	1.75 to 2.25	1.25 to 2.0	2.25 to 2.5	1.5 to 2.0
Fine	2.25 to 2.5	1.5 to 2.0	2.25 to 2.75	1.5 to 2.0

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.

**APPLICATION RATES: Preemergence Surface and Postemergence Surface Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech (quarts)	+ atrazine 4L (quarts)	Micro-Tech (quarts)	+ atrazine 4L (quarts)
Coarse	1.5 to 2.0	0.75 to 2.0	1.5 to 2.0	1.0 to 2.0
Medium	1.5 to 2.0	1.0 to 2.0	2.0 to 2.25	1.25 to 2.0
Fine	2.0 to 2.25	1.25 to 2.0	2.0 to 2.75	1.25 to 2.0

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 this product in this tank-mixture.

**MICRO-TECH plus BALANCE PRO For Use in Field Corn and Silage Corn**

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded**

APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface**

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 to ground water in various states.

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech (quarts)	+ Balance PRO (ounces)	Micro-Tech (quarts)	+ Balance PRO (ounces)
Coarse*	2.0 to 2.25	1.0 to 1.88	2.0 to 2.25	1.0 to 1.88
Medium	2.0 to 2.75	1.0 to 2.5	2.0 to 2.75	1.5 to 3.0
Fine	2.0 to 2.75	1.5 to 2.75	2.5 to 3.25	2.0 to 3.5

\*Use of Balance PRO on coarse soils with less than 1.5 percent organic matter is not recommended.

**MICRO-TECH plus BANVEL**

**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 solution.

**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.

APPROVED APPLICATION METHODS

**Preemergence Surface, Postemergence Surface**

**Preemergence Surface**—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.

**Postemergence Surface**—This tank-mixture may be applied after crop emergence until weeds reach the 2-leaf stage and the crop is no more than 3 inches tall. Applications made beyond the 2-leaf stage will not provide satisfactory grass control. If rain does not occur within 3 days after application, rotary hoe immediately to control emerged weeds.

Some leaf burn may occasionally occur when applied early postemergence to corn, but this should not affect subsequent growth or yield. Postemergence applications with sprayable fluid fertilizer are not recommended because severe crop injury may occur.

**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.

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE	
	More than 4% organic matter	
	Micro-Tech (quarts)	+ Banvel* (quarts)
Fine—silty clay loam through clay	2.5 to 3.0	0.5

\*Use equivalent rates of other dicamba products registered for this use.

**MICRO-TECH plus MARKSMAN**

**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.

DO NOT graze treated area or feed treated forage to livestock for 60 days following application of this tank-mixture.

Apply in water or sprayable fluid fertilizer solution.



**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.

APPROVED APPLICATION METHODS

**Preemergence Surface, Postemergence Surface**

**Preemergence Surface**—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.

**Postemergence Surface**—This tank-mixture may be applied after crop emergence until weeds reach the 2-leaf stage and the crop is no more than 5 inches tall. Applications made beyond the 2-leaf stage will not provide satisfactory grass control. If rain does not occur within 3 days after application, rotary hoe immediately to control emerged weeds.

Some leaf burn may occasionally occur when applied early postemergence to corn, but this should not affect subsequent growth or yield. Postemergence applications with sprayable fluid fertilizer are not recommended because severe crop injury may occur.

**NOTE:** CORN, PEANUTS, SORGHUM OR SOYBEANS\* can be planted 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.

**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.

APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	More than 4% organic matter		
	Micro-Tech (quarts)	+	Marksman (pints)
Fine—silty clay loam through clay	2.5 to 3.0		3.5

**MICRO-TECH plus PRINCEP**

Apply this tank-mixture in water or sprayable fluid fertilizer solution.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded; Aerial: Fixed wing, helicopter; Dry Bulk Fertilizer Impregnation**

APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface**

**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.

**APPLICATION RATES: Preplant Incorporated Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech (quarts)	Princep 4L* (quarts)	Micro-Tech (quarts)	Princep 4L* (quarts)
Coarse—sandy loam only	1.75 to 2.25	1.25 to 2.0	1.75 to 2.25	1.25 to 2.0
Medium	1.75 to 2.25	1.25 to 2.0	2.25 to 2.5	1.5 to 2.0
Fine	2.25 to 2.5	1.5 to 2.0	2.25 to 2.75	1.5 to 2.0

\*Use rates listed in this label when using Princep 4L. Use equivalent rates when using Princep Caliber 90. One quart of the 4L formulation equals 1.1 pounds of Princep Caliber 90.

**APPLICATION RATES: Surface Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech (quarts)	Princep 4L* (quarts)	Micro-Tech (quarts)	Princep 4L* (quarts)
Coarse—sandy loam only	1.5 to 2.0	0.75 to 2.0	1.5 to 2.0	1.0 to 2.0
Medium	1.5 to 2.0	1.0 to 2.0	2.0 to 2.25	1.25 to 2.0
Fine	2.0 to 2.25	1.25 to 2.0	2.0 to 2.75	1.25 to 2.0

\*Use rates listed in this label using Princep 4L. Use equivalent rates when using Princep Caliber 90. One quart of the 4L formulation equals 1.1 pounds of Princep Caliber 90.

**MICRO-TECH plus ATRAZINE plus PROWL H<sub>2</sub>O**

Apply this tank-mixture in water or sprayable fluid fertilizer solution for control of triazine-resistant lambsquarters and pigweed. DO NOT graze treated area or feed treated forage to livestock for 60 days following application of this tank-mixture.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded; Aerial: Fixed wing, helicopter**

APPROVED APPLICATION METHOD

**Preemergence Surface**

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

Do not apply Prowl H<sub>2</sub>O in conservation or minimum tillage to seed corn, sweet corn or popcorn, per the Prowl H<sub>2</sub>O label.

**NOTE:** CORN, PEANUTS, SORGHUM OR SOYBEANS\* can be planted 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.

APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Less than 3% organic matter		
	Micro-Tech (quarts)	+	atrazine 4L* (quarts)
Coarse	1.5 to 2.0		0.75 to 2.0
Medium	1.5 to 2.0		1.0 to 2.0
Fine	2.0 to 2.25		1.25 to 2.0

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	3% or more organic matter		
	Micro-Tech (quarts)	+	atrazine 4L* (quarts)
Coarse	1.5 to 2.0		1.0 to 2.0
Medium	2.0 to 2.25		1.25 to 2.0
Fine	2.0 to 2.75		1.25 to 2.0

Use the higher rates in the application rate ranges in areas of heavy weed infestation.

\* 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 rates listed in this label when using Prowl H<sub>2</sub>O. Use equivalent rates when using Prowl 3.3 EC. One quart of Prowl H<sub>2</sub>O equals 1.15 quarts of Prowl 3.3 EC.

**MICRO-TECH plus ATRAZINE plus LINURON**

FOR USE ONLY EAST OF THE ROCKY MOUNTAINS.

Apply this tank-mixture in water or sprayable fluid fertilizer solutions for control of triazine-resistant lambsquarters and pigweed. DO NOT graze treated area or feed treated forage to livestock for 60 days following application of this mixture.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded**

APPROVED APPLICATION METHOD

**Preemergence Surface**

**NOTE:** CORN, PEANUTS, SORGHUM OR SOYBEANS\* can be planted the year following use of this mixture.

\*There is a possibility of crop injury due to carryover of atrazine if soybeans or other nonlabeled crops are planted the following year. DO NOT plant soybeans the year following use of this tank-mixture on furrow irrigated corn.

APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Less than 3% organic matter		
	Micro-Tech (quarts)	+	atrazine 4L* (quarts)
Coarse—sandy loam only	1.5 to 2.0		0.75 to 2.0
Medium	1.5 to 2.0		1.0 to 2.0
Fine	2.0 to 2.25		1.0 to 2.0

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	3% or more organic matter			
	Micro-Tech (quarts)	+	atrazine 4L* (quarts)	linuron 4L** (quarts)
Coarse—sandy loam only	1.5 to 2.0		1.0 to 2.0	0.5
Medium	2.0 to 2.25		1.25 to 2.0	0.5
Fine	2.0 to 2.75		1.25 to 2.0	0.5

Use the higher rates in the application rate ranges in areas of heavy weed infestation.

\* 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 50 WP or 50% dry flowable formulations. One quart of linuron 4L equals 2 pounds of linuron 50 WP or 2 pounds of linuron 50% dry flowable.

### CORN—CONSERVATION OR MINIMUM TILLAGE (All Types)

**NOTE:** Important information regarding Conservation or Minimum Tillage appears in the "APPLICATION INFORMATION" section at the front of this label and should be carefully reviewed in conjunction with the information in this section.

Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications that are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank-mixtures, including precautions on soil pH, sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the application rate ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMING AND METHODS" appears in the "PRODUCT INFORMATION" section and should be carefully reviewed in conjunction with the information in this section. If the specific information in this section differs from the "PRODUCT INFORMATION", the specific information should control. This product and the following tank-mixtures can be tank-mixed with Roundup agricultural herbicides, Gramoxone brand herbicides and/or 2,4-D.

### BURNDOWN PRIOR TO CROP

#### ROUNDUP Agricultural Herbicides

**Annual Weeds**—Apply labeled rates of Roundup agricultural herbicides in these tank-mixtures when weeds are less than 6 inches tall.

**Perennial Weeds**—At normal application rates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. Use of labeled rates of Roundup agricultural herbicides, in these mixtures under these conditions provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.

#### GRAMOXONE Brand Herbicides

**Broadcast Treatment**—Apply Gramoxone brand herbicides in these tank-mixtures immediately before, during or after planting BUT BEFORE CROP EMERGENCE. Use the treatment rates and timing of application listed in the specific product label. 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.

#### 2,4-D

**Broadcast Treatment**—Apply 1 to 2 pints of 2,4-D (amine or low-volatile ester) in these tank-mixtures. DO NOT use 2,4-D on light, sandy soils, or where soil moisture is inadequate for normal weed growth.

### PREEMERGENCE WEED CONTROL

#### MICRO-TECH

#### APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (quarts)	
	Micro-Tech	
Coarse	2.5	
Medium	3.0	
Fine	3.5	

Use the higher rate of this product in the application rate ranges when organic matter content is 3 percent or more.

#### MICRO-TECH plus ATRAZINE

DO NOT graze treated area or feed treated forage to livestock for 60 days following application of this tank-mixture.

#### APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Micro-Tech (quarts)	+	atrazine 4L* (quarts)
	Coarse—sandy loam only	1.75 to 2.0	
Medium	2.0 to 2.5		1.2 to 2.0
Fine	2.5 to 3.0		1.6 to 2.0

\*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 this product in the application rate ranges when fall panicum or crabgrass will be present.

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

**NOTE:** CORN, PEANUTS, SORGHUM OR SOYBEANS\* can be planted 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.

#### MICRO-TECH plus BALANCE PRO

#### For Use in Field Corn and Silage Corn

#### APPROVED APPLICATION SYSTEMS

#### Ground: Broadcast boom, banded

#### APPROVED APPLICATION METHODS

#### Preplant Incorporated, Preemergence Surface

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 to ground water in various states.

#### APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech (quarts)	Balance PRO (ounces)	Micro-Tech (quarts)	Balance PRO (ounces)
Coarse*	2.0 to 2.25	1.0 to 1.88	2.0 to 2.25	1.0 to 1.88
Medium	2.0 to 2.75	1.0 to 2.5	2.0 to 2.75	1.5 to 3.0
Fine	2.0 to 2.75	1.5 to 2.75	2.5 to 3.25	2.0 to 3.5

\*Use Balance PRO on coarse soils with less than 1.5 percent organic matter is not recommended.

#### MICRO-TECH plus PRINCEP

#### APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Micro-Tech (quarts)	+	Princep 4L* (quarts)
	Coarse—sandy loam only	1.75 to 2.25	
Medium	2.0 to 2.5		1.2 to 1.6
Fine	2.5 to 3.0		1.6 to 2.2

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

Use the higher rate of this product in the application rate ranges when fall panicum or crabgrass will be present.

Use the higher rate of Princep in the application rate ranges on soils with greater than 3 percent 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 SEEDING ROTATIONAL CROPS.

#### MICRO-TECH plus ATRAZINE plus PRINCEP

For additional preemergence control of heavy weed infestations and/or hard-to-control weeds, a three-way tank-mixture of this product plus atrazine plus Princep may be applied.

DO NOT graze treated area or feed treated forage to livestock for 60 days following application of this tank-mixture.

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Micro-Tech (quarts)	+ atrazine 4L* (quarts)	+ Princep 4L* (quarts)
Coarse	1.75 to 2.0	0.75 to 1.0	0.75 to 1.0
Medium	2.0 to 2.5	1.0 to 1.25	1.0 to 1.5
Fine	2.5 to 3.0	1.0 to 1.25	1.0 to 1.5

\*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 application rate ranges on soils with greater than 3 percent organic matter.

Use the higher rate of this product in the application rate ranges when fall panicum, crabgrass or soils with greater than 3 percent 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. CORN, PEANUTS, SORGHUM OR SOYBEANS\* CAN BE PLANTED 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.

**EARLY PREPLANT APPLICATIONS**

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.

If emerged weeds are present at the time of treatment, Roundup agricultural herbicides, Gramoxone brand herbicides 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 labeled rate for corn on a given soil texture. DO NOT apply tank-mixtures containing Roundup agricultural herbicides, Gramoxone brand herbicides or other contact herbicides by air.

**MICRO-TECH**

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom; Aerial: Fixed wing, helicopter; Center Pivot Irrigation; Dry Bulk Fertilizer Impregnation**

TREATMENT 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.

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

**Split Application**—Apply 60 percent of the treatment 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 but before crop emergence.

**NOTE:** For corn, a maximum seasonal application of 4 quarts per acre per year is allowed.

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (quarts)
	Micro-Tech
Coarse	2.5
Medium	3.0
Fine	3.5

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 broadleaf and/or grass herbicide. 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**

This tank-mixture may be applied in a single application (alone or in a 3-way combination with Princep), split application or as a sequential application to Princep in early preplant programs. DO NOT graze treated area or feed treated forage to livestock for 60 days following application of this tank-mixture.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom; Aerial: Fixed wing, helicopter; Dry Bulk Fertilizer Impregnation**

TREATMENT 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.

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE	
	Micro-Tech (quarts)	+ atrazine 4L (quarts)
Coarse*	2.25 to 2.5	1.25 to 1.5
Medium	2.5 to 3.0	1.5 to 2.0
Fine	3.0 to 3.5	1.75 to 2.25

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

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

**Split Application**—Apply 60 percent of the treatment 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 but before crop emergence.

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

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE	
	Micro-Tech (quarts)	+ atrazine 4L (quarts)
Coarse	2.25 to 2.5	1.25 to 1.5
Medium	2.5 to 3.0	1.5 to 2.0
Fine	3.0 to 3.5	1.75 to 2.25

**Sequential Application**—Application of this tank-mixture following Princep should be utilized for the control of fall panicum, crabgrass or broadleaf signalgrass. Apply 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, but before crop emergence, apply this tank-mixture.

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE	
	Micro-Tech (quarts)	+ atrazine 4L* (quarts)
Coarse	1.75 to 2.5	1.0 to 1.5
Medium	2.25 to 2.75	1.25 to 1.75
Fine	2.5 to 3.0	1.5 to 2.0

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

CORN, PEANUTS, SORGHUM (MILO) OR SOYBEANS can be planted 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.

**GRAIN SORGHUM (MILO)—  
CONVENTIONAL TILLAGE**

**NOTE:** Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank-mixtures, including precautions on soil pH, sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the application rate ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding “APPLICATION SYSTEMS” and “APPLICATION TIMING AND METHODS” should be carefully reviewed in conjunction with the information in this section. If the specific information in this section differs from the “PRODUCT INFORMATION”, the specific information should control.

When making applications on grain sorghum, do not make more than two applications per year or exceed a total of 4 quarts of this product per acre per year.

Do not graze or harvest forage for 70 days following application of this product or tank-mixtures of this product.

### MICRO-TECH

Apply this product in water or sprayable fluid fertilizer solution. Preplant incorporated and preemergence surface applications must be made ONLY to grain sorghum planted with seed that has been properly treated with a seed protectant or safener.

#### APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded; Center Pivot Irrigation; Aerial: Fixed wing, helicopter; Dry Bulk Fertilizer Impregnation**

#### APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface**

#### APPLICATION RATES: Preplant Incorporated Application

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (quarts)*	
	Micro-Tech	
Coarse	2.0 to 2.5	
Medium	2.5 to 2.75	
Fine	2.5 to 3.0	

\*Rates may be increased to a maximum of 4 quarts on any soil type when heavy infestation of yellow nutsedge is present.

#### APPLICATION RATES: Preemergence Surface Application

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (quarts)	
	Micro-Tech	
Coarse	1.5 to 2.0	
Medium	2.0 to 2.25	
Fine	2.0 to 2.5	

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

### MICRO-TECH plus ATRAZINE

Apply this tank-mixture in water or sprayable fluid fertilizer solution. Early preplant surface, preplant incorporated and preemergence surface applications must be made ONLY to grain sorghum planted with seed that has been properly treated with a seed protectant or safener.

**NOTE:** In Texas, use only in the Panhandle area and the fine-textured soils of the Gulf Coast and Blacklands. In the Texas Panhandle and Oklahoma Panhandle, apply this tank-mixture as a preemergence surface application only. In the Texas Panhandle, Oklahoma Panhandle and the fine-textured soils of the Gulf Coast and Blacklands of Texas, do not exceed 1.25 quarts of atrazine 4L per acre as crop injury may result due to atrazine.

Applications made to grain sorghum (milo) growing on alkali soils or where cuts, fills or erosion have exposed calcareous or alkali subsoils may result in crop injury.

#### APPROVED APPLICATION SYSTEMS

**Aerial: Fixed wing, helicopter; Ground: Broadcast boom, banded; Dry Bulk Fertilizer Impregnation**

#### APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface**

**NOTE:** CORN, PEANUTS, SORGHUM OR SOYBEANS\* can be planted 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 milo.

#### APPLICATION RATES: Preplant Incorporated Application

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE*			
	Less than 1.5% organic matter		1.5% or more organic matter	
	Micro-Tech (quarts)	atrazine 4L** (quarts)	Micro-Tech (quarts)	atrazine 4L** (quarts)
Medium	1.5 to 2.0	1.0 to 1.25	1.75 to 2.0	1.0 to 1.5
Fine	1.75 to 2.0	1.0 to 1.5	2.0 to 2.5	1.25 to 1.75

\*Use the higher rates in the application rate ranges for fields under irrigation.

\*\*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 3 to 4 quarts of this product per acre for control of yellow nutsedge or to reduce competition from the hard-to-control weeds listed on this label.

### APPLICATION RATES: Preemergence Surface Application

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE*			
	Less than 1.5% organic matter		1.5% or more organic matter	
	Micro-Tech (quarts)	atrazine 4L** (quarts)	Micro-Tech (quarts)	atrazine 4L** (quarts)
Coarse (except sand)	1.5	0.75 to 1.0	1.5 to 1.75	0.75 to 1.0
Medium	1.5 to 1.75	1.0 to 1.25	1.5 to 2.0	1.0 to 1.5
Fine	1.5 to 2.0	1.0 to 1.5	1.75 to 2.25	1.25 to 1.75

\*Use the higher rates in the application rate ranges for fields under irrigation.

\*\*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 use a minimum of 2 quarts per acre of this product and 1 quart per acre of atrazine 4L in this tank-mixture on coarse soils.

In the Texas Panhandle, Oklahoma Panhandle and the fine-textured soils of the Gulf Coast and Blacklands of Texas, do not exceed 1.25 quarts of atrazine 4L per acre as crop injury may result due to atrazine.

### GRAIN SORGHUM (MILO)— CONSERVATION OR MINIMUM TILLAGE

**NOTE:** Important information regarding Conservation or Minimum Tillage appears in the "APPLICATION INFORMATION" section at the front of this label and should be carefully reviewed in conjunction with the information in this section.

Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank-mixtures, including precautions on soil pH, sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the application rate ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMING AND METHODS" appears in the "PRODUCT INFORMATION" section and should be carefully reviewed in conjunction with the information in this section. If the specific information in this section differs from the "PRODUCT INFORMATION", the specific information should control.

This product and the following tank-mixtures can be tank-mixed with Roundup agricultural herbicides or Gramoxone brand herbicides.

#### APPROVED APPLICATION SYSTEM

**Ground: Broadcast boom**

### BURNDOWN PRIOR TO CROP

#### ROUNDUP Agricultural Herbicides

**Annual Weeds**—Apply labeled rates of Roundup agricultural herbicides, in these tank-mixtures when weeds are less than 6 inches tall.

**Perennial Weeds**—At normal application rates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. Use of labeled rates of Roundup agricultural herbicides in these mixtures under these conditions provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.

#### GRAMOXONE Brand Herbicides

**Broadcast Treatment**—Apply Gramoxone brand herbicides in these tank-mixtures immediately before, during or after planting BUT BEFORE CROP EMERGENCE. Use the treatment rates and timing of application listed in the specific product label. Add a nonionic spreader surfactant (approved for use on crops) containing at least 75 percent surfactant active agent at 8 fluid ounces per 100 gallons of diluted spray.

### PREEMERGENCE WEED CONTROL

#### MICRO-TECH

Apply this product in water or sprayable fluid fertilizer solution. Applications must be made ONLY to grain sorghum planted with seed that has been properly treated with a seed protectant or safener.

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (quarts)	
	Micro-Tech	
Coarse	2.0 to 2.5	
Medium	2.5 to 2.75	
Fine	2.5 to 3.0	

Use the higher rate of this product in the application rate ranges when organic matter content is 3 percent or more.

**MICRO-TECH plus ATRAZINE**

Apply this product in water or sprayable fluid fertilizer solution. Applications must be made **ONLY** to grain sorghum planted with seed that has been properly treated with a seed protectant or safener.

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Micro-Tech (quarts)	+	atrazine 4L* (quarts)
Coarse—sandy loam only	1.5 to 2.0		0.75 to 1.0
Medium	1.75 to 2.25		1.0 to 1.25
Fine	2.0 to 2.5		1.25 to 1.5

\*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 this product in the application rate ranges when fall panicum or crabgrass will be present.

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

**NOTE:** CORN, PEANUTS, SORGHUM OR SOYBEANS\* can be planted the year following use of this mixture.

\*There is a possibility of crop injury due to carryover of atrazine if soybeans or other nonlabeled crops are planted the following year. DO NOT plant soybeans the year following use of this tank-mixture on furrow irrigated corn.

**EARLY PREPLANT APPLICATIONS**

Apply this tank-mixture in water or sprayable fluid fertilizer as a single application within 30 days prior to planting. When making split applications, apply this tank-mixture within 45 days prior to planting, followed by an additional application of this product at planting. If emerged weeds are present at the time of the early preplant application or at-planting application, a labeled contact herbicide or tillage should be used. The at-planting application should be made before crop or weeds emerge. Minimize movement of treated soil out of the row or untreated soil to the surface during planting or weed control may be reduced. Do not use in coarse- or fine-textured soils.

Applications must be made **ONLY** to grain sorghum planted with seed that has been properly treated with a seed protectant or safener.

**APPLICATION RATES: Early Preplant Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	Early preplant application		At-planting application	
	Micro-Tech (quarts)	+	atrazine 4L (quarts)	Micro-Tech (quarts)
Coarse (except sand)	2.25 to 3.0		1.0 to 1.25	•
Medium	2.75 to 3.0		1.5 to 2.0	•

**SINGLE APPLICATION**

Coarse (except sand)	2.25 to 3.0	1.0 to 1.25	•
Medium	2.75 to 3.0	1.5 to 2.0	•

**SPLIT APPLICATION**

Coarse (except sand)	1.75 to 2.0	1.0 to 1.5	0.75 to 1.0
Medium	1.75 to 2.0	1.5 to 2.0	0.75 to 1.0

**SOYBEANS—  
CONVENTIONAL TILLAGE**

**NOTE:** Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank-mixtures, including precautions on soil pH, sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the application rate ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMING AND METHODS" should be carefully reviewed in conjunction with the information in this section. If the specific information in this section differs from the "PRODUCT INFORMATION", the specific information should control.

When making applications on soybeans, do not make more than one application per year or exceed a total of 3 quarts of this product per acre per year.

**MICRO-TECH**

Apply one treatment of this product in water or sprayable fluid fertilizer solution.

DO NOT feed forage, hay or straw from soybeans treated with this product or tank-mixtures of this product. Do not ensile soybeans treated with this product.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded; Aerial: Fixed wing, helicopter; Center Pivot Irrigation; Dry Bulk Fertilizer Impregnation**

APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface**

**APPLICATION RATES: Preplant Incorporated Application**

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 3.0	2.5 to 3.0
Fine	2.5 to 3.0	3.0

\*Use a minimum of 3 quarts per acre on coarse-textured soils for control of yellow nutsedge or red rice.

**APPLICATION RATES: Surface Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (quarts)*	
	Less than 3% organic matter	3% or more organic matter
Coarse**	2.0 to 2.25	2.0 to 2.25
Medium	2.0 to 2.75	2.0 to 2.75
Fine	2.0 to 2.75	2.5 to 3.0

\*Use a minimum of 2.5 quarts of this product per acre on coarse soils and 3 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 3 quarts per acre of this product.

**MICRO-TECH plus CANOPY**

Apply this tank-mixture in water or sprayable fluid fertilizer solution.

DO NOT plant rice or peanuts within 18 months after application of this tank-mixture.

APPROVED APPLICATION SYSTEM

**Ground: Broadcast boom**

APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface**

Preplant incorporation may cause slight soybean injury early, but soybeans should recover with no subsequent effect on growth or yield.

**APPLICATION RATES: Preplant Incorporated Application**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE			
	1/2% to 3% organic matter		3% to 5% organic matter	
	Micro-Tech** (quarts)	+	Canopy*** (ounces)	Micro-Tech** (quarts) + Canopy*** (ounces)
Coarse—loamy sand, sandy loam only	2.0 to 2.5		6	2.0 to 2.5 8
Medium	2.0 to 2.5		8	2.25 to 2.75 10
Fine	2.25 to 2.75		10	2.5 to 3.0 12

\*DO NOT APPLY TO SOIL WITH LESS THAN 1/2 percent organic matter.

\*\*Use the higher rate of this product in the application rate ranges when broadleaf signalgrass is present.

\*\*\*In southeast KS, southwest MO and northeast OK on soils with 1/2 to 3 percent organic matter, use 5 to 6 ounces of Canopy per acre. On silt loam soils in TN and KY, use 6 to 8 ounces of Canopy per acre.

**NOTE:** In the states of IA, IL, IN, KS, MI, MO, MN, NE, OK, OH and WI on soils with 1/2 to 4 percent organic matter, reduced rates of Canopy are recommended for broadleaf weed control. Use 5 ounces of Canopy per acre on coarse soils (loamy sand and sandy loam only); 6 ounces on medium soils; and 6 to 7 ounces on fine soils. Do not apply to soils with greater than 6.8 pH or to soils with less than 1/2 percent organic matter or greater than 4 percent organic matter.

For improved control of heavy velvetleaf infestations, add 1/2 pint of Command herbicide per acre to this tank-mixture and preplant incorporate.

**APPLICATION RATES: Surface Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	1/2% to 3% organic matter		3% to 5% organic matter	
	Micro-Tech** (quarts)	Canopy*** (ounces)	Micro-Tech** (quarts)	Canopy*** (ounces)
Coarse—loamy sand, sandy loam only	1.75 to 2.25	6	1.75 to 2.25	8
Medium	1.75 to 2.25	8	2.0 to 2.5	10
Fine	2.0 to 2.5	10	2.25 to 2.75	12

\* DO NOT APPLY TO SOIL WITH LESS THAN 1/2 percent organic matter.

\*\* Use the higher rate of this product in the application rate ranges when broadleaf signalgrass is present.

\*\*\* In southeast KS, southwest MO and northeast OK on soils with 1/2 to 3 percent organic matter, use 5 to 6 ounces of Canopy per acre. On silt loam soils in TN and KY, use 6 to 8 ounces of Canopy per acre.

**NOTE:** In the states of IA, IL, IN, KS, MI, MO, MN, NE, OK, OH and WI on soils with 1/2 to 4 percent organic matter, reduced rates of Canopy are recommended for broadleaf weed control. Use 5 ounces of Canopy per acre on coarse soils (loamy sand and sandy loam only); 6 ounces on medium soils; and 6 to 7 ounces on fine soils. Do not apply to soils with greater than 6.8 pH or to soils with less than 1/2 percent organic matter or greater than 4 percent organic matter.

**MICRO-TECH plus COMMAND**

Apply this tank-mixture in water or sprayable fluid fertilizer solution.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded**

APPROVED APPLICATION METHOD

**Preplant Incorporated**

**APPLICATION RATES:** Apply 2 to 2.5 quarts of this product plus 1 pint of Command per acre. In areas of heavy pigweed and lambsquarters infestations, use 2.5 to 3 quarts of this product per acre in this tank-mixture.

**MICRO-TECH plus LINURON**

Apply one treatment of this tank-mixture in water or sprayable fluid fertilizer solution.

**NOTE:** Plant seed at least 1-3/4 inches deep and DO NOT use on sand or loamy sand, or on soils with less than 1 percent organic matter, as crop injury may occur. DO NOT spray over the top of emerged soybeans.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded**

APPROVED APPLICATION METHOD

**Preemergence Surface**

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	1% to 3% organic matter		3% or more organic matter	
	Micro-Tech (quarts)	linuron 4L* (quarts)	Micro-Tech (quarts)	linuron 4L* (quarts)
Coarse—sandy loam only	1.75 to 2.25	0.5	1.75 to 2.25	0.5 to 0.75
Medium	1.75 to 2.25	0.5 to 0.75	2.0 to 2.5	0.75 to 1.0
Fine	2.0 to 2.5	1.0	2.25 to 2.75	1.25 to 1.5

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

**MICRO-TECH plus LOROX PLUS**

Apply this tank-mixture in water or sprayable fluid fertilizer solution.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded; Aerial: Fixed wing, helicopter**

APPROVED APPLICATION METHOD

**Preemergence Surface**

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	1/2% to 3% organic matter		
	Micro-Tech* (quarts)	+	Lorox Plus** (ounces)
Coarse—sandy loam only	1.75 to 2.25		12 to 14
Medium	1.75 to 2.25		14 to 16
Fine	2.0 to 2.5		16 to 18

\* Use the higher rate of this product in the application rate ranges in areas of heavy crop residue or when broadleaf signalgrass is present.

\*\* Use the higher rate of Lorox Plus in the application rate ranges on soils with higher organic matter or heavy pressure from large, deep germinating weed seeds.

**MICRO-TECH plus PURSUIT**

Apply this tank-mixture in water or sprayable fluid fertilizer solution.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded**

APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface**

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Less than 3% organic matter		3% or more organic matter
	Micro-Tech* (quarts)	Micro-Tech* (quarts)	Pursuit (ounces)
Coarse—sandy loam only	1.5 to 2.0	1.5 to 2.0	4
Medium	1.5 to 2.0	1.75 to 2.25	4
Fine	1.75 to 2.5	2.0 to 2.5	4

\*Use the higher rate of this product in the application rate ranges when the following weeds are present: fall panicum, barnyardgrass, broadleaf signalgrass, seedling johnsongrass, red rice or yellow nutsedge.

**NOTE:** Preplant incorporate this tank-mixture for more consistent control of common cocklebur, common lambsquarters, jimsonweed, prickly sida, velvetleaf and sunflower, for reduced competition of morningglory and giant ragweed.

**MICRO-TECH plus SCEPTER**

Apply this tank-mixture in water or sprayable fluid fertilizer solution.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded**

APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface**

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Less than 3% organic matter		3% or more organic matter
	Micro-Tech* (quarts)	Micro-Tech* (quarts)	Scepter** (pints)
Coarse	1.5 to 2.0	1.5 to 2.0	1/2 to 2/3
Medium	1.5 to 2.0	1.75 to 2.25	1/2 to 2/3
Fine	1.75 to 2.25	2.0 to 2.5	1/2 to 2/3

\* Use the higher rate of this product in the application rate ranges when the following weeds are present: fall panicum, barnyardgrass, broadleaf signalgrass, seedling johnsongrass, red rice or yellow nutsedge.

\*\* Use the higher rate of Scepter in the application rate ranges when red rice, sicklepod, beggarweed or velvetleaf are present.

For improved control of heavy velvetleaf infestations, add 1/2 pint of Command herbicide per acre to this tank-mixture and preplant incorporate.

**MICRO-TECH plus SENCOR**

Apply one treatment of this tank-mixture in water or sprayable fluid fertilizer solution.

**NOTE:** DO NOT use on muck soils or on alkaline soils with greater than 7.4 pH. Crop injury may result if atrazine was applied the year preceding use of this tank-mixture.

DO NOT REPLANT CROPS OTHER THAN SOYBEANS FOR 120 DAYS AFTER APPLICATION OF THESE TANK-MIXTURES.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded; Aerial: Fixed wing, helicopter; Dry Bulk Fertilizer Impregnation**

APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface**

Preplant incorporation may cause slight soybean injury early, but soybeans should recover with no subsequent effect on growth or yield.

**APPLICATION RATES: Preplant Incorporated Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech** (quarts)	Sencor 4F* (pints)	Micro-Tech** (quarts)	Sencor 4F* (pints)
Coarse—sandy loam only	2.0 to 2.5	0.5	2.0 to 2.5	0.75
Medium	2.0 to 2.5	0.5 to 0.75	2.25 to 2.75	0.75
Fine	2.25 to 2.75	0.75 to 1.0	2.5 to 3.0	1.0

\* Use the rates listed in this label when using Sencor 4F. Use the equivalent rates when using the 50 WP or DF formulations of these products. One pint of Sencor 4F equals one pound of the corresponding 50 WP formulation or 2/3 pound of the corresponding DF formulation.

\*\* Use 3 quarts of this product when black or hairy nightshade, yellow nutsedge or red rice is present.

For improved control of heavy velvetleaf infestations, add 1/2 pint of Command per acre to this tank-mixture and preplant incorporate. **NOTE:** Do not use on coarse-textured soils. Do not use on medium- or fine-textured soils with less than 1 percent organic matter. These mixtures, preplant incorporated, may cause slight soybean injury early, but the soybeans should recover and subsequent growth or yield should not be affected.

**APPLICATION RATES: Surface Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE			
	Less than 3% organic matter		3% or more organic matter	
	Micro-Tech (quarts)	Sencor 4F* (pints)	Micro-Tech (quarts)	Sencor 4F* (pints)
Coarse—sandy loam only	1.75 to 2.25	0.5	1.75 to 2.25	0.75
Medium	1.75 to 2.25	0.5 to 0.75	2.0 to 2.5	0.75
Fine	2.0 to 2.5	0.75 to 1.0	2.25 to 2.75	1.0

\*Use the rates listed in this label when using Sencor 4F. Use the equivalent rates when using the 50 WP or DF formulations of these products. One pint of Sencor 4F equals one pound of the corresponding 50 WP formulation or 2/3 pound of the corresponding DF formulation.

**NOTE:** DO NOT use on sand or loamy sand soil. Use 1.5 pints of Sencor 4F per acre in this tank-mixture when applying on heavy clay soils of the Mississippi Delta. Use a minimum of 2.5 quarts of this product on coarse soils and 3 quarts in this tank-mixture on medium- or fine-textured soils to control black or hairy nightshade.

**MICRO-TECH plus TREFLAN**

Apply this tank-mixture in water solution.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded**

APPROVED APPLICATION METHOD

**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 within 8 hours after application.

**APPLICATION RATES: Preplant Incorporated**—Apply 2.5 to 3 quarts of this product plus 0.5 quart of Treflan 4EC per acre.

**SOYBEANS—  
CONSERVATION OR MINIMUM TILLAGE**

**NOTE:** Important information regarding Conservation or Minimum Tillage appears in the “APPLICATION INFORMATION” section at the front of this label and should be carefully reviewed in conjunction with the information in this section.

Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank-mixtures, including precautions on soil pH, sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the application rate ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding “APPLICATION SYSTEMS” and “APPLICATION TIMINGS AND METHODS” appears in the “PRODUCT INFORMATION” section and should be carefully reviewed in conjunction with the information in this section. If the specific information in this section differs from the “PRODUCT INFORMATION”, the specific information should control.

**BURNDOWN PRIOR TO CROP**

**ATTENTION**

**ROUNDUP Agricultural Herbicides**

**Annual Weeds**—Apply labeled rates of Roundup agricultural herbicides, in these tank-mixtures when weeds are less than 6 inches tall.

**Perennial Weeds**—At normal application dates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. Use of labeled rates of Roundup agricultural herbicides, in these mixtures under these conditions provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.

**GRAMOXONE Brand Herbicides**

**Broadcast Treatment**—Apply Gramoxone brand herbicides in this tank-mixture immediately before, during or after planting BUT BEFORE CROP EMERGENCE. Use the treatment rates and timing of application listed in the specific product label. Add a

nonionic spreader surfactant (approved for use on crops) containing at least 75 percent surface active agent.

**PREEMERGENCE WEED CONTROL**

**MICRO-TECH**

Apply one treatment of this product in water or sprayable fluid fertilizer solution.

DO NOT feed forage, hay or straw from soybeans treated with this product or tank-mixtures of this product. Do not ensile soybeans treated with this product.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded; Aerial: Fixed wing, helicopter; Center Pivot Irrigation; Dry Bulk Fertilizer Impregnation**

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE	
	Micro-Tech (quarts)	Micro-Tech (quarts)
Coarse	2.5	
Medium	3.0	
Fine	3.0	

Use the higher rate of this product in the application rate ranges when organic matter content is 3 percent or more.

**MICRO-TECH plus CANOPY**

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE	
	Micro-Tech (quarts)	Canopy (ounces)
Coarse—sandy loam only	1.75 to 2.25	6
Medium	2.0 to 2.5	8
Fine	2.5 to 3.0	10

**MICRO-TECH plus LINURON**

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (quarts)	
	Micro-Tech	linuron 4L*
Coarse—sandy loam only	1.75 to 2.25	0.5 to 0.75
Medium	2.0 to 2.5	0.75 to 1.0
Fine	2.5 to 3.0	1.0 to 1.5

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

Use the higher rate of this product in the application rate ranges when fall panicum or crabgrass will be present.

Use the higher rate of linuron 4L in the application rate ranges on soils with greater than 3 percent organic matter.

DO NOT use this tank-mixture on sand or loamy sand, or on soil with less than 1 percent organic matter, as crop injury from linuron may occur.

**NOTE:** Do not feed soybean hay from treated crop.

**MICRO-TECH plus LOROX PLUS**

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE	
	Micro-Tech (quarts)	Lorox Plus (ounces)
Coarse—sandy loam only	1.75 to 2.25	12 to 14
Medium	2.0 to 2.5	14 to 16
Fine	2.5 to 3.0	16 to 18

**MICRO-TECH plus PURSUIT**

**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE	
	Micro-Tech (quarts)	Pursuit (ounces)
Coarse	1.75 to 2.25	4
Medium	2.0 to 2.5	4
Fine	2.5 to 3.0	4

### MICRO-TECH plus SCEPTER

#### APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Micro-Tech (quarts)	+	Scepter (pints)
Coarse	1.75 to 2.25		2/3
Medium	2.0 to 2.5		2/3
Fine	2.5 to 3.0		2/3

### MICRO-TECH plus SENCOR

#### APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE**		
	Micro-Tech (quarts)	+	Senkor 4F* (pints)
Coarse—sandy loam only	1.75 to 2.25		0.5 to 0.75
Medium	2.0 to 2.25		0.75 to 1.0
Fine	2.5 to 3.0		1.0 to 1.5

\*Use the rates listed in this label when using Senkor 4F. Use the equivalent rates when using the 50 WP or DF formulations of these products. One pint of Senkor 4F equals one pound of the corresponding 50 WP formulation or 2/3 pound of the corresponding DF formulation.

\*\*On the heavy clay soils of the Mississippi Delta, use 1.5 pints of Senkor 4F per acre.

Use the higher rate of this product in the application rate ranges when fall panicum or crabgrass will be present.

Use the higher rate of Senkor in the application rate ranges on soils with greater than 3 percent organic matter.

DO NOT use this mixture on sand or loamy sand soils as crop injury from Senkor may occur.

DO NOT use on muck soils.

DO NOT apply on alkaline soils with a pH greater than 7.4.

Crop injury may occur if atrazine was applied the year before use of this tank-mixture.

DO NOT REPLANT CROPS OTHER THAN SOYBEANS FOR 120 DAYS AFTER APPLICATION OF THESE TANK-MIXTURES.

### EARLY PREPLANT APPLICATIONS

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.

If emerged weeds are present at the time of treatment, Roundup agricultural herbicides or Gramoxone brand herbicides 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 labeled rate for corn on a given soil texture. DO NOT apply tank-mixtures containing Roundup brands labeled for agricultural uses, Gramoxone brand herbicides or other contact herbicides by air.

### MICRO-TECH

#### APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom; Aerial: Fixed wing, helicopter; Center Pivot Irrigation; Dry Bulk Fertilizer Impregnation**

#### TREATMENT 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.

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

**Split Application**—Apply 60 percent of the treatment 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 but before crop emergence.

#### APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (quarts)
	Micro-Tech
Coarse	2.5
Medium	3.0
Fine	3.0

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 broadleaf and/or grass herbicide.

### MICRO-TECH plus CANOPY

DO NOT plant rice or peanuts within 18 months after application of this tank-mixture.

#### APPROVED APPLICATION SYSTEM

### Ground: Broadcast boom

#### TREATMENT 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.

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

**Split Application**—Apply 60 percent of the treatment 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 but before crop emergence.

#### APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Micro-Tech (quarts)	+	Canopy (ounces)
Coarse	2.5		6 to 8
Medium	2.5 to 3.0		8 to 10
Fine	3.0		10 to 12

### MICRO-TECH plus LOROX PLUS

#### APPROVED APPLICATION SYSTEM

### Ground: Broadcast boom

#### TREATMENT 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.

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

**Split Application**—Apply 60 percent of the treatment 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 but before crop emergence.

#### APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Micro-Tech (quarts)	+	Lorox Plus (ounces)
Coarse	2.5		12 to 14
Medium	2.5 to 3.0		14 to 16
Fine	3.0		16 to 18

### MICRO-TECH plus PURSUIT

#### APPROVED APPLICATION SYSTEM

### Ground: Broadcast boom

#### TREATMENT 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.

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

**Split Application**—Apply 60 percent of the treatment 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 but before crop emergence.

#### APPLICATION RATES:

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE		
	Micro-Tech (quarts)	+	Pursuit (ounces)
Coarse	2.5		4
Medium	2.5 to 3.0		4
Fine	3.0		4

### MICRO-TECH plus SCEPTER

#### APPROVED APPLICATION SYSTEM

### Ground: Broadcast boom

#### TREATMENT 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.

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

**Split Application**—Apply 60 percent of the treatment 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 but before crop emergence.



**APPLICATION RATES:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE	
	Micro-Tech (quarts)	Scepter (pints)
Coarse	2.5	2/3
Medium	2.5 to 3.0	2/3
Fine	3.0	2/3

**PEANUTS**

**NOTE:** Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank-mixtures, including precautions on soil pH, sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the application rate ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMING AND METHODS" should be carefully reviewed in conjunction with the information in this section. If the specific information in this section differs from the "PRODUCT INFORMATION", the specific information should control.

When making applications on peanuts, do not make more than two applications per year or exceed a total of 3 quarts of this product per acre per year.

Do not feed forage or hay from treated crop.

**MICRO-TECH**

Apply this product in water solution.

## APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded; Aerial: Fixed wing, helicopter; Center Pivot Irrigation**

## APPROVED APPLICATION METHODS

**Preplant Incorporated, Preemergence Surface, Ground-crack Surface**

**Preplant Incorporated**—For control of Texas panicum, this application should be made as a tank-mixture with a labeled rate of Prowl or Sonolan DF herbicide.

**Ground-crack Surface**—Apply this product at the ground-crack stage of peanuts.

Incorporation on coarse soils may result in reduced length of weed control due to leaching with rainfall or irrigation. For improved control of yellow nutsedge and labeled broadleaf weeds, a labeled sequential ground-crack herbicide application should be made.

**APPLICATION RATES:**

APPLICATION METHOD	Micro-Tech (quarts)
Preplant Incorporated	3
Preemergence or Ground-crack Surface	3

**DRY BEANS**

**NOTE:** Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank-mixtures, including precautions on soil pH, sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the application rate ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMING AND METHODS" should be carefully reviewed in conjunction with the information in this section. If the specific information in this section differs from the "PRODUCT INFORMATION", the specific information should control.

When making applications on dry beans, do not make more than one application per year or exceed a total of 3 quarts of this product per acre per year.

**Dry Beans (All Types)**

FOR USE ONLY IN NEW YORK AND WEST OF THE MISSISSIPPI RIVER, EXCEPT IN KERN COUNTY, CALIFORNIA.

**MICRO-TECH**

Apply one treatment of this product in water solution.

**NOTE: DO NOT APPLY ON DRY BEANS AFTER PLANTING AS CROP INJURY MAY OCCUR.** This product may delay crop maturity and/or reduce yield if cold, wet soil conditions occur after planting.

## APPROVED APPLICATION SYSTEM

**Ground: Broadcast boom**

## APPROVED APPLICATION METHOD

**Preplant Incorporated**

**APPLICATION RATES:** Apply 2.5 to 3 quarts of this product per acre and shallowly incorporate prior to planting. Use the higher rate in areas of heavy weed infestations, or when black or hairy nightshade or yellow nutsedge are present.

**MICRO-TECH plus EPTAM****Dry Beans (All Types)**

FOR USE ONLY IN MICHIGAN AND WEST OF THE MISSISSIPPI RIVER, EXCEPT IN KERN COUNTY, CALIFORNIA.

Apply this tank-mixture in water solution.

**NOTE:** Read the label for Eptam thoroughly for rotational crop restrictions. This tank-mixture may delay crop maturity and/or reduce yield if cold, wet soil conditions occur after planting.

## APPROVED APPLICATION SYSTEM

**Ground: Broadcast boom**

## APPROVED APPLICATION METHOD

**Preplant Incorporated**

Apply this tank-mixture within 7 days prior to planting and shallowly incorporate into the upper 2 inches of soil immediately.

**APPLICATION RATES:** Apply 2 to 3 quarts of this product plus 2 to 3 pints of Eptam per acre. Use the higher rate of this product for this tank-mixture when heavy weed infestations, black or hairy nightshade or yellow nutsedge are present. USE ONLY THE 2 QUART RATE OF THIS PRODUCT IN MICHIGAN.

**MICRO-TECH plus TREFLAN****Dry Beans (All Types)**

FOR USE ONLY WEST OF THE MISSISSIPPI RIVER, EXCEPT IN KERN COUNTY, CALIFORNIA.

Apply one treatment of this tank-mixture in water solution.

**NOTE:** Read the label for Treflan thoroughly for rotational crop restrictions. This tank-mixture may delay crop maturity and/or reduce yield if cold, wet soil conditions occur after planting.

## APPROVED APPLICATION SYSTEM

**Ground: Broadcast boom**

## APPROVED APPLICATION METHOD

**Preplant Incorporated**

Apply this tank-mixture within 7 days prior to planting and shallowly incorporate into the upper 2 inches of soil within 8 hours after application.

**APPLICATION RATES:** Apply 2.5 to 3 quarts of this product plus 1/2 quart of Treflan per acre. Use the higher rate of this product for this tank-mixture in areas of heavy weed infestation, or when black or hairy nightshade or yellow nutsedge are present.

**MICRO-TECH****Red Kidney Bean Types Only**

FOR USE IN ILLINOIS AND WISCONSIN ONLY.

Apply one treatment of this product in water solution.

**NOTE:** This product may delay crop maturity and/or reduce yield if cold, wet soil conditions occur after planting.

**NOTE:** Only one application of this product may be made per cropping season.

## APPROVED APPLICATION SYSTEM

**Ground: Broadcast boom, banded**

## APPROVED APPLICATION METHOD

**Preplant Incorporated**

**TREATMENT RATES:** Apply 2.5 to 3 quarts of this product per acre. Use the higher rate when heavy weed infestations, black or hairy nightshade or yellow nutsedge are present.

**LIMA (GREEN)**

**NOTE:** Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products, including precautions on soil pH, sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the application rate ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMING AND METHODS" should be carefully reviewed in conjunction with the information

in this section. If the specific information in this section differs from the "PRODUCT INFORMATION", the specific information should control.

When making applications on lima beans, do not make more than one application per year or exceed a total of 3 quarts of this product per acre per year.

FOR USE IN ALL STATES, EXCEPT IN KERN COUNTY, CALIFORNIA.

### MICRO-TECH

Apply one treatment of this product in water solution.

**NOTE:** This product may delay crop maturity and/or reduce yield if cold, wet soil conditions occur after planting.

APPROVED APPLICATION SYSTEM

**Ground: Broadcast boom**

APPROVED APPLICATION METHOD

**Preplant Incorporated**

**APPLICATION RATES: Preplant Incorporated Application**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (quarts)
	Micro-Tech
Coarse	2.0
Medium and Fine*	2.5 to 3.0

\*Use the higher rate in the application rate range when black or hairy nightshade or yellow nutsedge are present.

## WOODY ORNAMENTALS

### MICRO-TECH

FOR USE ON JUNIPER (*JUNIPERUS* SPP.) AND YEW (*TAXUS* SPP.)

**NOTE:** Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMING AND METHODS" should be carefully reviewed in conjunction with the information in this section. If the specific information in this section differs from the "PRODUCT INFORMATION", the specific information should control.

Apply one treatment of this product in water solution.

**NOTE:** Topical application or contact of this product with green foliage of the woody ornamental may cause injury and is not recommended. In case green foliage is accidentally sprayed, overhead irrigation within 1 hour after application will minimize injury symptoms (i.e., leaf tip burn, discoloration, distortion, etc.). This product is recommended for this use for application by certified, professional applicators only.

DO NOT USE THIS PRODUCT ON SEEDBEDS, UNROOTED CUTTINGS OR PRIOR TO TRANSPLANTING. DO NOT USE THIS PRODUCT IN GREENHOUSES OR OTHER ENCLOSED STRUCTURES, APPLIED THROUGH IRRIGATION SYSTEMS OR MIXED WITH SPRAYABLE FLUID FERTILIZERS. APPLICATIONS DURING PERIODS WHEN TEMPERATURE EXCEEDS 90°F MAY CAUSE INJURY TO ORNAMENTALS.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded**

APPROVED APPLICATION METHOD

**Post-Transplant Directed**—Apply this product as a directed spray after transplanting or to established plantings prior to weed emergence.

**APPLICATION RATES:** Apply 4 quarts of this product per acre as a broadcast treatment.

**NOTE:** Repeat applications of this product may be required for sustained weed control. DO NOT exceed 2 applications or a total of 4 quarts per year or retreat within 21 days.

## SUNFLOWERS

**NOTE:** Each crop section of this label provides treatment rates for this product and tank-mixtures including this product. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control, injury to crops, persons or animals, or other unintended consequences. Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank-mixtures, including precautions on soil pH, sensitive varieties, minimum re-cropping interval and rotational guidelines.

Use the higher rates in the application rate ranges in areas of heavy weed infestation or where otherwise specified. If emerged weeds exist at planting, the application of a contact herbicide or tillage is recommended when possible to eliminate existing weeds. Do not apply when conditions favor drift.

Detailed information regarding "APPLICATION SYSTEMS" and "APPLICATION TIMING AND METHODS" should be carefully reviewed in conjunction with the information in this section. If the specific information in this section differs from the "PRODUCT INFORMATION", the specific information should control.

Apply this product in water solution for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of the label.

When making applications to sunflowers, do not make more than one application per year or exceed a total of 4 quarts of this product per acre per year.

APPROVED APPLICATION SYSTEMS

**Ground: Broadcast boom, banded; Aerial: Fixed wing, helicopter**

APPROVED APPLICATION METHODS

**Preplant Incorporated**

Apply this product within 7 days prior to planting and shallowly incorporate into the upper 1 to 2 inches of soil.

**Preemergence Surface**

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

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

**TREATMENT RATES:**

Refer to the following tables for the 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.

**Surface Application Rates:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE
	Micro-Tech (quarts)
Coarse	2.0
Medium	2.5 to 3.0
Fine	3.0 to 4.0

**Preplant Incorporated Application Rates:**

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE
	Micro-Tech (quarts)
Coarse	2.5
Medium	3.0 to 3.5
Fine	3.5 to 4.0

## APPENDIX

LIST OF COMMON AND SCIENTIFIC NAMES OF ANNUAL GRASSES AND BROADLEAF WEEDS.

### ANNUAL GRASSES

<b>Barnyardgrass</b> <i>Echinochloa crus-galli</i>	<b>Panicum, browntop</b> <i>Panicum fasciculatum</i>
<b>Crabgrass</b> <i>Digitaria ischaemum</i> <i>Digitaria sanguinalis</i>	<b>Panicum, fall</b> <i>Panicum dichotomiflorum</i>
<b>Cupgrass, woolly</b> <i>Eriochloa villosa</i>	<b>Panicum, Texas</b> <i>Panicum texanum</i>
<b>Foxtail, giant</b> <i>Setaria faberi</i>	<b>Rice, red</b> <i>Oryza sativa</i>
<b>Foxtail; green, robust purple, robust white</b> <i>Setaria viridis</i>	<b>Sandbur; Grassbur</b> <i>Cenchrus incertus</i>
<b>Foxtail, yellow</b> <i>Setaria lutescens</i>	<b>Shattercane; Wild cane</b> <i>Sorghum bicolor</i>
<b>Goosegrass</b> <i>Eleusine indica</i>	<b>Signalgrass, broadleaf</b> <i>Brachiaria platyphylla</i>
<b>Johnsongrass, seedling</b> <i>Sorghum halepense</i>	<b>Sprangletop, red</b> <i>Leptochloa filiformis</i>
<b>Millet, proso</b> <i>Panicum miliaceum</i>	<b>Witchgrass</b> <i>Panicum capillare</i>

### ANNUAL BROADLEAVES

<b>Beggarweed, Florida</b> <i>Desmodium tortuosum</i>	<b>Groundcherry, cutleaf</b> <i>Physalis angulata</i>
<b>Carpetweed</b> <i>Mollugo verticillata</i>	<b>Jimsonweed</b> <i>Datura stramonium</i>
<b>Cocklebur</b> <i>Xanthium strumarium</i>	<b>Kochia</b> <i>Kochia scoparia</i>
<b>Coffeeweed; Hemp sesbania</b> <i>Sesbania exaltata</i>	<b>Lambsquarters</b> <i>Chenopodium album</i>
<b>Copperleaf, hophornbeam</b> <i>Acalypha</i> spp.	<b>Morningglory; Tall</b> <i>Ipomoea purpurea</i>
<b>Galinsoga</b> <i>Galinsoga</i> spp.	<b>Pitted</b> <i>Ipomoea lacunosa</i>
<b>Groundcherry, annual</b> <i>Physalis</i> spp.	<b>Ivyleaf</b> <i>Ipomoea hederacea</i>

#### ANNUAL BROADLEAVES (cont'd)

<b>Entireleaf</b> <i>Ipomoea hederacea</i> <i>var. integrifolia</i>	<b>Ragweed, giant</b> <i>Ambrosia trifida</i>
<b>Smallflower</b> <i>Jacquemontia tamnifolia</i>	<b>Sicklepod</b> <i>Cassia obtusifolia</i>
<b>Mustard</b> <i>Brassica spp.</i>	<b>Sida, prickly; Teaweed</b> <i>Sida spinosa</i>
<b>Nightshade, black</b> <i>Solanum nigrum</i>	<b>Smartweed</b> <i>Polygonum pennsylvanicum</i> <i>Polygonum persicaria</i>
<b>Nightshade, hairy</b> <i>Solanum sarrachoides</i>	<b>Starbur, bristly</b> <i>Acanthospermum hispidum</i>
<b>Pigweed; Carelessweed</b> <i>Amaranthus spp.</i>	<b>Sunflower, common</b> <i>Helianthus annuus</i>
<b>Purslane</b> <i>Portulaca oleracea</i>	<b>Velvetleaf; Buttonweed</b> <i>Abutilon theophrasti</i>
<b>Pusley, Florida</b> <i>Richardia scabra</i>	<b>Waterhemp</b> <i>Amaranthus tuberculatus</i>
<b>Ragweed, common</b> <i>Ambrosia artemisiifolia</i>	

#### 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, Lorox Plus, 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

EPA Reg. No. 524-344

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

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