

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

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

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

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

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

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

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

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

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

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 in addition to the

annual grasses and broadleaf weeds listed for Micro-Tech plus atrazine in the "WEEDS CONTROLLED" section of this label.

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

APPROVED APPLICATION SYSTEMS

Ground—Broadcast boom; banded

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

APPROVED APPLICATION METHOD

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

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

NOTE: 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.

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

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

BROADCAST RATE PER ACRE (QUARTS)

3% or more organic matter

SOIL TEXTURAL GROUP*	3% or more organic matter		
	Micro-Tech® +	atrazine 4L** +	Linuron 4L***
Coarse—sandy loam only	1.5 to 2	1 to 2	0.5
Medium	2 to 2.25	1.25 to 2	0.5
Fine	2 to 2.75	1.25 to 2	0.5

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

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

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

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

Conservation or Minimum  
Tillage Systems  
TANK MIXTURES

AT-PLANTING APPLICATIONS

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

DO NOT APPLY BY AIR.

Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures.

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

Micro-Tech and the following tank mixtures can be tank mixed with Roundup, Gramoxone Extra and/or 2,4-D.

- MICRO-TECH® ■
- MICRO-TECH plus ATRAZINE ■
- MICRO-TECH plus BLADEX ■
- MICRO-TECH plus EXTRAZINE II ■
- MICRO-TECH plus PRINCEP ■
- MICRO-TECH plus ATRAZINE plus BLADEX ■
- MICRO-TECH plus ATRAZINE plus PRINCEP ■

Apply these tank mixtures with Roundup or 2,4-D (amine or low-volatile ester) in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre, or these tank mixtures with Gramoxone Extra in 20 to 60 gallons of water or clear liquid fertilizer per acre immediately before, during or after planting, but BEFORE CROP EMERGENCE. As density of stubble, crop residue or weeds increases, spray volume and rate should be increased within the recommended ranges to ensure complete coverage. In the absence of emerged vegetation, delete the Roundup, Gramoxone Extra or 2,4-D portion of these tank mixtures.

#### APPROVED APPLICATION SYSTEMS

Ground - Broadcast boom

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

#### CONTROL OR SUPPRESSION OF EMERGED WEEDS

#### 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 since 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 mph 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) which are more likely to drift.

- ROUNDUP® ■

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**Annual Weeds**—Apply 1 to 1.5 pints of Roundup per acre in these tank mixtures when weeds are less than 6 inches tall. Use 2 pints of Roundup per acre for control of fall panicum, barnyardgrass, crabgrass and shattercane up to 2 inches tall; Pennsylvania smartweed up to 6 inches tall; other annual weeds 6 to 12 inches tall. For emerged annual weeds controlled, see the 'WEEDS CONTROLLED' section of the label for Roundup.

**Perennial Weeds**—At normal application dates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. See the 'GENERAL INFORMATION' section of the label for Roundup for the proper stage of growth for perennial weeds. Use of 2 to 4 quarts of Roundup per acre in the above mixtures under these conditions provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.

For emerged perennial weeds controlled see the 'WEEDS CONTROLLED' section of the label for Roundup. To obtain control of perennial weeds, follow recommendations on the label for Roundup for stage of growth and rate of application.

USE OF THIS MIXTURE FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IS NOT RECOMMENDED.

**NOTE:** When using these tank mixtures, do not exceed 4 quarts of Roundup herbicide per acre.

**Ammonium Sulfate**—The addition of ammonium sulfate in the spray solution may increase the performance of Roundup 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 Roundup. Do not reduce rates of Roundup 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.

■ **GRAMOXONE EXTRA** ■

When used as directed, Gramoxone Extra in labeled tank mixtures controls many emerged annual weeds and suppresses many emerged perennial weeds.

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

■ **2,4-D** ■

When used as directed, 2,4-D in labeled tank mixtures controls many emerged annual and perennial broadleaf weeds. For emerged weeds controlled, see the "WEEDS CONTROLLED" section of the label for 2,4-D.

**Broadcast Treatment**—Apply 1 to 2 pints of 2,4-D (amine or low-volatile ester) in these tank mixtures. Applications should be made 7 to 14 days before planting or 3 to 5 days after planting but BEFORE CORN EMERGES. As density of stubble, crop residue or weeds increases, spray gallonage should be increased within the recommended range for complete coverage.

DO NOT use 2,4-D on light, sandy soils, or where soil moisture is inadequate for normal weed growth. Observe all precautions and limitations on the 2,4-D label booklet.

PREEMERGENCE WEED CONTROL

■ **MICRO-TECH<sup>®</sup>** ■

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

BROADCAST RATE PER ACRE (QUARTS)	
SOIL TEXTURAL GROUP*	Micro-Tech <sup>®</sup>
Coarse	2.5
Medium	3
Fine	3 to 3.5

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

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

■ **MICRO-TECH<sup>®</sup> plus ATRAZINE** ■

For weeds controlled preemergence, see the "WEEDS CONTROLLED" section of this label for Micro-Tech plus atrazine.

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

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

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

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

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

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

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

**NOTE:** 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.

■ **MICRO-TECH<sup>®</sup> plus BLADEX** ■

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

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

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

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

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

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

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

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

■ **MICRO-TECH<sup>®</sup> plus EXTRAZINE II** ■

For weeds controlled preemergence, see the "WEEDS CONTROLLED" section of this label for Micro-Tech plus Bladex.

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



BROADCAST RATE PER ACRE (QUARTS)

SOIL TEXTURAL GROUP*	Micro-Tech <sup>®</sup> +	Extrazine II 4L***
Coarse**	1.75 to 2.25	1.25 to 2
Medium	2 to 2.5	1.5 to 2.75
Fine	2.5 to 3	2 to 3

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

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

\*\*\*Use equivalent rates when using Extrazine II DF. One quart of Extrazine II 4L equals 1.1 pounds of Extrazine II DF.

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

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

■ MICRO-TECH<sup>®</sup> plus PRINCEP ■

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

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

BROADCAST RATE PER ACRE (QUARTS)

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

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

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

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

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

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

■ **MICRO-TECH® plus ATRAZINE plus BLADEx** ■

This tank mixture may be applied for additional preemergence control of heavy weed infestations and/or hard-to-control weeds listed for Micro-Tech plus atrazine in the "WEEDS CONTROLLED" section of this label.

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

Refer to the following rate table to determine the recommended rates for this tank mixture on various soil types.

BROADCAST RATE PER ACRE (QUARTS)			
SOIL TEXTURAL GROUP*	Micro-Tech®	+ atrazine 4L**	+ Bladex 4L***
Coarse****	1.75 to 2	0.75 to 1	1 to 1.25
Medium	2 to 2.5	1 to 1.25	1 to 2
Fine	2.25 to 3	1 to 1.25	1 to 2

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

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

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

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

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

**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.

■ **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 Micro-Tech herbicide plus atrazine plus Princep may be applied.

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

Refer to the following rate table to determine the recommended rates for this tank mixture on various soil types.

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)				
	Micro-Tech®	+	atrazine 4L**	+	Princep 4L**
Coarse	1.75 to 2		0.75 to 1		0.75 to 1
Medium	2 to 2.5		1 to 1.25		1 to 1.5
Fine	2.5 to 3		1 to 1.25		1 to 1.5

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

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

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

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

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

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\*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.

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#### EARLY PREPLANT APPLICATION

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

DO NOT apply tank mixtures containing Roundup, Gramoxone Extra or other contact herbicides by air.

#### MICRO-TECH®

This product, when applied in a single application or split application, will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

#### APPROVED APPLICATION SYSTEMS

Ground - Broadcast boom

Aerial - Fixed wing; helicopter

Center Pivot Irrigation

Dry Bulk Fertilizer Impregnation

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

#### RECOMMENDED RATE AND TIMING OF APPLICATION

**Single application**—Application of this product should be made less than 30 days before planting but prior to weed emergence.

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

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

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

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)
	Micro-Tech®
Coarse	2.5
Medium	3
Fine	3.5

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

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

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

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

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

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

**APPROVED APPLICATION SYSTEMS**

Ground - Broadcast boom

Aerial - Fixed wing; helicopter

Dry Bulk Fertilizer Impregnation

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

**RECOMMENDED RATE AND TIMING OF APPLICATION**

Single application—Application of this tank mixture should be made less than 30 days before planting but prior to weed emergence.

See the following table for recommended rates.

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)**	
	Micro-Tech <sup>o</sup>	+ atrazine 4L
Coarse*	2.25 to 2.5	1.25 to 1.5
Medium	2.5 to 3	1.5 to 2
Fine	3 to 3.5	1.75 to 2.25

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

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

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

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

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

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

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

See the following table for recommended rates.

BROADCAST RATE PER ACRE (QUARTS)**		
SOIL TEXTURAL GROUP*	Micro-Tech®	+ atrazine 4L
Coarse	2.25 to 2.5	1.25 to 1.5
Medium	2.5 to 3	1.5 to 2
Fine	3 to 3.5	1.75 to 2.25

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

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

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

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

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

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

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

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

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

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

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

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 or other nonlabeled crops 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.

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#### GRAIN SORGHUM (MILO)

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When making applications on grain sorghum, do not make more than two applications per year or exceed a total of 4 quarts of Micro-Tech 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 for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

Preplant incorporated and preemergence surface applications must be made ONLY to grain sorghum planted with seed that has been properly treated with Screen® seed protectant or safener containing the active ingredient, flurazole.

\*Screen is a registered trademark of Monsanto Company.

#### APPROVED APPLICATION SYSTEMS

Center Pivot Irrigation

Aerial-Fixed wing: helicopter

Ground-Broadcast boom: banded

Dry Bulk Fertilizer Impregnation

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



**APPROVED APPLICATION METHODS**

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

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

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

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

**Preplant Incorporated Application Rates**

BROADCAST RATE PER ACRE (QUARTS)**	
SOIL TEXTURAL GROUP*	Micro-Tech®
Coarse	2 to 2.5
Medium	2.5 to 2.75
Fine	2.5 to 3

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

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

**Preemergence Surface Application Rates**

BROADCAST RATE PER ACRE (QUARTS)**	
SOIL TEXTURAL GROUP*	Micro-Tech®
Coarse	1.5 to 2
Medium	2 to 2.25
Fine	2 to 2.5

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

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

**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  
(TANK MIXTURE)**

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

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 Screen seed protectant or a safener containing the active ingredient, flurazole.

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

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

**APPROVED APPLICATION METHODS**

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

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

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

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

\*There is a possibility of crop injury due to carry-over 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 milo.

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

**Preplant Incorporated Application Rates**

**BROADCAST RATE PER ACRE (QUARTS)\*\***

	Less than 1.5% organic matter		1.5% or more organic matter	
<b>SOIL</b>				
<b>TEXTURAL</b>	Micro-Tech® +	atrazine	Micro-Tech +	atrazine
<b>GROUP*</b>		4L***		4L***
Medium	1.5 to 2	1 to 1.25	1.75 to 2	1 to 1.5
Fine	1.75 to 2	1 to 1.5	2 to 2.5	1.25 to 1.75

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

\*\*Use the higher rates in the recommended ranges in areas of heavy weed infestations, or 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 Micro-Tech per acre for control of yellow nutsedge or to reduce competition from the hard-to-control weeds listed on this label.

**Preemergence Surface Application Rates**

**BROADCAST RATE PER ACRE (QUARTS)\*\***

	Less than 1.5% organic matter		1.5% or more organic matter	
<b>SOIL</b>				
<b>TEXTURAL</b>	Micro-Tech® +	atrazine	Micro-Tech +	atrazine
<b>GROUP*</b>		4L***		4L***
Coarse (except sand)	1.5	0.75 to 1	1.5 to 1.75	0.75 to 1
Medium	1.5 to 1.75	1 to 1.25	1.5 to 2	1 to 1.5
Fine	1.5 to 2	1 to 1.5	1.75 to 2.25	1.25 to 1.75

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

\*\*Use the higher rates in the recommended ranges in areas of heavy weed infestations, or 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 Micro-Tech 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.

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**Conservation or Minimum  
Tillage Systems  
TANK MIXTURES**

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**AT-PLANTING APPLICATIONS**

Preemergence surface applications must be made ONLY to grain sorghum planted with seed that has been properly treated with Screen® seed protectant or safener containing the active ingredient, flurazone.

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

DO NOT APPLY BY AIR.

Refer to specific labels for crop rotation restriction and cautionary statements of all products used in the tank mixture.

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

Micro-Tech and the following tank mixtures can be tank mixed with Roundup or Gramoxone Extra.

■ MICRO-TECH® ■

■ MICRO-TECH plus ATRAZINE ■

Apply the tank mixtures with Roundup in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre, or the tank mixtures with Gramoxone Extra in 20 to 60 gallons of water or clear liquid fertilizer per acre immediately before, during or after planting, but BEFORE CROP EMERGENCE. As density of stubble, crop residue or weeds increases, spray gallonage and rate should be increased within the recommended ranges to insure complete coverage. In the absence of emerged vegetation, delete the Roundup or Gramoxone Extra portion of these tank mixtures.

**APPROVED APPLICATION SYSTEMS**

Ground-Broadcast boom

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

**CONTROL OR SUPPRESSION  
OF EMERGED WEEDS**

**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 since 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) which are more likely to drift.

## **ROUNDUP®**

**Annual Weeds**-Apply 1 to 1.5 pints of Roundup per acre in these tank mixtures when weeds are less than 6 inches tall. Use 2 pints of Roundup per acre for control of fall panicum, barnyardgrass, crabgrass and shattercane up to 2 inches tall; Pennsylvania smartweed up to 6 inches tall; other annual weeds 6 to 12 inches tall. For emerged annual weeds controlled, see the "WEEDS CONTROLLED" section of the label for Roundup.

**Perennial Weeds**-At normal application dates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. See the "GENERAL INFORMATION" section of the label for Roundup for the proper stage of growth for perennial weeds. Use of 2 to 4 quarts of Roundup per acre in the above mixtures under these conditions provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.

For emerged perennial weeds controlled, see the "WEEDS CONTROLLED" section of the label for Roundup. To obtain control of perennial weeds, follow the recommendations on the label for Roundup for stage of growth and rate of application.

**USE OF THIS MIXTURE FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IS NOT RECOMMENDED.**

**NOTE:** When using these tank mixtures, do not exceed 4 quarts of Roundup herbicide per acre.

**Ammonium Sulfate**-The addition of ammonium sulfate in the spray solution may increase the performance of Roundup 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 Roundup. Do not reduce rates of Roundup when adding surfactant. Use 0.5 percent surfactant concentrate (2 quarts per 100 gallons of spray solution) when using surfactants which contain at least 70 percent active ingredient or a 1 percent surfactant concentration (4 quarts per 100 gallons of spray solution) for those surfactants containing less than 70 percent active ingredient. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

**GRAMOXONE EXTRA™**

When used as directed, Gramoxone Extra in these tank mixtures controls many emerged annual weeds and suppresses many emerged perennial weeds.

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

PREEMERGENCE WEED CONTROL

MICRO-TECH®

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

<u>BROADCAST RATE PER ACRE (QUARTS)</u>	
<u>SOIL TEXTURAL GROUP*</u>	<u>Micro-Tech®</u>
<u>Coarse</u>	<u>2 to 2.5</u>
<u>Medium</u>	<u>2.5 to 2.75</u>
<u>Fine</u>	<u>2.5 to 3</u>

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

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

**MICRO-TECH® plus ATRAZINE**

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

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

<b>BROADCAST RATE PER ACRE (QUARTS)</b>		
<b>SOIL TEXTURAL GROUP*</b>	<b>Micro-Tech®</b>	<b>+ atrazine 4L**</b>
Coarse sandy loam only	1.5 to 2	0.75 to 1
Medium	1.75 to 2.25	1 to 1.25
Fine	2 to 2.5	1.25 to 1.5

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

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

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

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

**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 Micro-Tech 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.

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

**Early Preplant Application Rates**

BROADCAST RATE PER ACRE (QUARTS)**			
	Early application	At-planting application	
<b>SOIL TEXTURAL GROUP*</b>	Micro-Tech®	+ atrazine 4L	Micro-Tech

**SINGLE APPLICATION**

<b>Coarse (except sand)</b>	2.25 to 3	1 to 1.25
<b>Medium</b>	2.75 to 3	1.5 to 2

**SPLIT APPLICATION**

<b>Coarse (except sand)</b>	1.75 to 2	1 to 1.5	0.75 to 1
<b>Medium</b>	1.75 to 2	1.5 to 2	0.75 to 1

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

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

**SOYBEANS**

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

**MICRO-TECH®**

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

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

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



APPROVED APPLICATION METHODS

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

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

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

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

**Preplant Incorporated Application Rates**

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

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

\*\*Use the higher rate in the recommended range in areas of heavy weed infestation. Use a minimum of 3 quarts per acre on coarse-textured soils for control of yellow nutsedge or red rice.

**Surface Application Rates**

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

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

\*\*Use the higher rate in the recommended range in areas of heavy weed infestation. 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  
(TANK MIXTURE)**

Apply this tank mixture in water or sprayable fluid fertilizer solution for control of the annual grasses and broadleaf weeds in the 'WEEDS CONTROLLED' section of this label.

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Canopy labels, including precautions on soil pH, sensitive soybean varieties, minimum recropping interval and rotational guidelines.

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

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom

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

**APPROVED APPLICATION METHODS**

**Preplant Incorporated**—Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil. Preplant incorporation may cause slight soybean injury early, but soybeans should recover with no subsequent effect on growth or yield.

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

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

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

**Preplant Incorporated Application Rates**

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

\*Refer to the 'SOIL TEXTURE' section of this label to determine the corresponding soil textural group for the soil to be treated. DO NOT APPLY TO SOIL WITH LESS THAN 1/2% organic matter.

\*\*Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, heavy crop residue or when broadleaf signalgrass is present. See the "WEEDS CONTROLLED" section of this label for specific rate recommendations on seedling johnsongrass, red rice and yellow nutsedge.

\*\*\*In southeast KS, southwest MO and northeast OK on soils with 1/2 to 3% organic matter, use 5 to 6 ounces 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% 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 of fine soils. Do not apply to soils with greater than 6.8 pH or to soils with less than 1/2% organic matter or greater than 4% 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. Observe all precautions and limitations on the Canopy and Command labels before using this tank mixture.

**Surface Application Rates**

SC L TEXTURAL GROUP*	BROADCAST RATE PER ACRE**			
	1/2% to 3% organic matter		3% to 5% organic matter	
	Micro-Tech <sup>®</sup> + (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 to 2.5	10
Fine	2 to 2.5	10	2.25 to 2.75	12

\*Refer to the 'SOIL TEXTURE' section of this label to determine the corresponding soil textural group for the soil to be treated. DO NOT APPLY TO SOIL WITH LESS THAN 1/2% organic matter.

\*\*Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, heavy crop residue or when broadleaf signalgrass is present.

\*\*\*In southeast KS, southwest MO and northeast OK on soils with 1/2 to 3% 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% 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% organic matter or greater than 4% organic matter.

11/2/07

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

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

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Command labels before use of this tank mixture.

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

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

**APPROVED APPLICATION METHODS**

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

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

**RECOMMENDED RATES:** Apply 2 to 2.5 quarts of Micro-Tech plus 1 pint of Command per acre. In areas of heavy pigweed and lambsquarter infestation, use 2.5 to 3 quarts of Micro-Tech per acre in this tank mixture.

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

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

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Gemini labels, including precautions on soil pH, minimum recropping interval and rotational guidelines.

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

**APPROVED APPLICATIONS SYSTEMS**

Ground—Broadcast boom; banded

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

**APPROVED APPLICATION METHODS**

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

**Reference:** The 'APPLICATION TIMING AND METHODS' section of this label provides detailed information and procedures for application timing and methods selected.

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

**Surface Application Rates**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE**	
	1/2% to 3% organic matter	
	Micro-Tech® (quarts)	+ Gemini (ounces)
Coarse—sandy loam only	1.75 to 2.25	12 to 16
Medium	1.75 to 2.25	16 to 20
Fine	2 to 2.5	20 to 24

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

\*\*Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, heavy crop residue or when broadleaf signalgrass is present. Use the higher rate of Gemini in the recommended ranges on soils with higher organic matter or heavy pressure from large, deep germinating weed seeds.

**MICRO-TECH® plus LEXONE  
or  
MICRO-TECH plus SENCOR  
(TANK MIXTURE)**

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

**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

13/10/7

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

**APPROVED APPLICATION METHODS**

**Preplant Incorporated**—Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil. Preplant incorporation may cause slight soybean injury early, but soybeans should recover with no subsequent effect on growth or yield.

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

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

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

**Preplant Incorporated Application Rates**

BROADCAST RATE PER ACRE***							
Less than 3% organic matter			3% or more organic matter				
SOIL TEXTURAL GROUP*	Micro-Tech <sup>o</sup> (quarts)		+	Lexone 4L** or Sencor 4F** (pint)	+	Lexone 4L** or Sencor 4F** (pint)	
				Micro-Tech (quarts)			
Coarse—sandy loam only	2	to 2.5		0.5	2	to 2.5	0.75
Medium	2	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	2.5	to 3	1

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

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

\*\*\*Use the 3 quart per acre rate of Micro-Tech in areas of heavy weed infestation. Use 3 quarts of Micro-Tech 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. Observe all precautions and limitations on the Lexone, Sencor and Command labels before using this tank mixture.

**NOTE:** Do not use on coarse-textured soils. Do not use on medium or fine-textured soils with less than 1% 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.

**Surface Application Rates**

BROADCAST RATE PER ACRE					
Less than 3% organic matter			3% or more organic matter		
SOIL TEXTURAL GROUP*	Micro-Tech® (quarts)	+ Lexone 4L**or Sencor 4F** (pints)	Micro-Tech (quarts)	+ Lexone 4L**or 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 to 2.5	0.75	
Fine	2 to 2.5	0.75 to 1	2.25 to 2.75	1	

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

\*\*Use the rates listed in this label when using Lexone 4L or Sencor 4F. Use the equivalent rates when using the 50 WP or DF formulations of these products. One pint of Lexone 4L or 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 Lexone 4L or 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 Micro-Tech 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 LINURON  
(TANK MIXTURE)**

Apply one treatment of this tank mixture in water or sprayable fluid fertilizer solution for control of the annual grasses and broadleaf weeds listed in the 'WEEDS CONTROLLED' section of this label.

**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% organic matter, as crop injury may occur. DO NOT spray over the top of emerged soybeans.

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

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



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APPROVED APPLICATION METHODS

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

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

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

**Surface Application Rates**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)					
	18 to 38 organic matter		38 or more organic matter			
	Micro-Tech®	+	linuron 4L**	Micro-Tech	+	linuron 4L**
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 to 2.5		0.75 to 1
Fine	2 to 2.5		1	2.25 to 2.75		1.25 to 1.5

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

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

**MICRO-TECH® plus LOROX PLUS (TANK MIXTURE)**

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

**NOTE:** Observe all precautions and limitations on the labels for Micro-Tech and LoroX Plus, including precautions on soil pH, minimum recropping interval and rotational guidelines.

APPROVED APPLICATION SYSTEMS

Ground—Broadcast boom; banded

Aerial—Fixed wing; helicopter

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

APPROVED APPLICATION METHODS

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

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

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

**Surface Application Rates**

BROADCAST RATE PER ACRE**		
1/2% to 3% organic matter		
SOIL TEXTURAL GROUP*	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 to 2.5	16 to 18

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

\*\*Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, heavy crop residue or when broadleaf signalgrass is present. Use the higher rate of Lorox Plus in the recommended ranges on soils with higher organic matter or heavy pressure from large, deep germinating weed seeds.

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

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

**NOTE:** Observe all precautions and limitations on the labels for Micro-Tech and Preview, including precautions on soil pH, sensitive soybean varieties, minimum recropping interval and rotational guidelines.

APPROVED APPLICATION SYSTEMS

Ground—Broadcast boom

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

APPROVED APPLICATION METHODS

**Preplant Incorporated**—Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil. Preplant incorporation may cause slight soybean injury early, but soybeans should recover with no subsequent effect on growth or yield.

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

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

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

**Preplant Incorporated Application Rates**

BROADCAST RATE PER ACRE**				
	1/2% to 3% organic matter		3% to 5% organic matter	
SOIL TEXTURAL GROUP*	Micro-Tech® + (quarts)	Preview (ounces)	Micro-Tech + (quarts)	Preview (ounces)
Coarse—sandy loam only	2 to 2.5	6	2 to 2.5	7
Medium	2 to 2.5	7	2.25 to 2.75	8
Fine	2.25 to 2.75	8	2.5 to 3	9

\*Refer to the 'SOIL TEXTURE' section of this label to determine the corresponding soil textural group for the soil to be treated. DO NOT APPLY TO SOIL WITH LESS THAN 1/2% organic matter.

\*\*Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, heavy crop residue or when broadleaf signalgrass is present. See the 'WEEDS CONTROLLED' section of this label for specific rate recommendations on seedling johnsongrass, red rice and yellow nutsedge.

For improved control of heavy velvetleaf infestations, add 1/2 pint of Command herbicide per acre to this tank mixture and preplant incorporate. Observe all precautions and limitations on the Preview and Command labels before using this tank mixture.

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**Surface Application Rates**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE**			
	1/2% to 3% organic matter		3% to 5% organic matter	
	Micro-Tech® + (quarts)	Preview (ounces)	Micro-Tech + (quarts)	Preview (ounces)
Coarse—sandy loam only	1.75 to 2.25	6	1.75 to 2.25	7
Medium	1.75 to 2.25	7	2 to 2.5	8
Fine	2 to 2.5	8	2.25 to 2.75	9

\*Refer to the 'SOIL TEXTURE' section of this label to determine the corresponding soil textural group for the soil to be treated. DO NOT APPLY TO SOIL WITH LESS THAN 1/2% organic matter.

\*\*Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, heavy crop residue or when broadleaf signalgrass is present.

**MICRO-TECH® plus PREVIEW plus LOROX PLUS (TANK MIXTURE)**

Apply this tank mixture in water or sprayable fluid fertilizer solution for control of annual grasses and broadleaf weeds listed for Micro-Tech plus Preview in the 'WEEDS CONTROLLED' section of this label.

**NOTE:** Observe all precautions and limitations on the labels for Micro-Tech, Preview and Lorox Plus, including precautions on soil pH, sensitive soybean varieties, minimum recropping interval and rotational guidelines.

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom

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

**APPROVED APPLICATION METHODS**

**Preplant Incorporated**—Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil. Preplant incorporation may cause slight soybean injury early, but soybeans should recover with no subsequent effect on growth or yield.

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

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

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

**Preplant Incorporated Application Rates**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE**				
	1/2% to 3 1/2% organic matter				
	Micro-Tech <sup>®</sup> (quarts)	+	Preview (ounces)	+	Lorox Plus (ounces)
Coarse- sandy loam only	2 to 2.5		3		6
Medium	2 to 2.5		3.5		7
Fine	2.25 to 2.75		4		8

\*Refer to the 'SOIL TEXTURE' section of this label to determine the corresponding soil textural group for the soil to be treated. DO NOT APPLY TO SOIL WITH LESS THAN 1/2% organic matter.

\*\*Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, heavy crop residue or when broadleaf signalgrass is present. See the 'WEEDS CONTROLLED' section of this label for specific rate recommendations on seedling johnsongrass, red rice and yellow nutsedge.

For improved control of heavy velvetleaf infestations, add 1/2 pint of Command herbicide per acre to this tank mixture and preplant incorporate. Observe all precautions and limitations on the Preview and Command labels before using this tank mixture.

**Surface Application Rates**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE**				
	1/2% to 3 1/2% organic matter				
	Micro-Tech <sup>®</sup> (quarts)	+	Preview (ounces)	+	Lorox Plus (ounces)
Coarse— sandy loam only	1.75 to 2.25		3		6
Medium	1.75 to 2.25		3.5		7
Fine	2 to 2.5		4		8

\*Refer to the 'SOIL TEXTURE' section of this label to determine the corresponding soil textural group for the soil to be treated. DO NOT APPLY TO SOIL WITH LESS THAN 1/2% organic matter.

\*\*Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, heavy crop residue or when broadleaf signalgrass is present.

**MICRO-TECH<sup>®</sup> plus PURSUIT  
(TANK MIXTURE)**

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

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Pursuit labels before use of this tank mixture, including precautions on minimum recropping interval and rotational guidelines.

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

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

**APPROVED APPLICATION METHODS**

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

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

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

**RECOMMENDED RATES:** Refer to the following table for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury. See the 'WEEDS CONTROLLED' section of this label for recommended rates and application methods for control of certain weeds.

BROADCAST RATE PER ACRE**			
SOIL TEXTURAL GROUP*	Less than 3% organic matter	3% or more organic matter	
	Micro-Tech <sup>®</sup> (quarts)	Micro-Tech (quarts)	+ Pursuit (ounces)
Coarse	1.5 to 2	1.5 to 2	4
Medium	1.5 to 2	1.75 to 2.25	4
Fine	1.75 to 2.25	2 to 2.5	4

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

**\*\*Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, heavy crop residue or 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<sup>®</sup> plus SCEPTER  
(TANK MIXTURE)**

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

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Scepter labels before use of this tank mixture, including precautions on minimum recropping interval and rotational guidelines.

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

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

**APPROVED APPLICATION METHODS**

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

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

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

**RECOMMENDED RATES:** Refer to the following table for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury. See the 'WEEDS CONTROLLED' section of this label for recommended rates and application methods for control of certain weeds.

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

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

\*\*Use the higher rate of Micro-Tech in the recommended ranges in areas of heavy grass infestation, heavy crop residue or 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 recommended 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. Observe all precautions and limitations on the Scepter and Command labels before use of this tank mixture.

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

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

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

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

**APPROVED APPLICATION METHODS**

**Preplant Incorporated—**Apply this tank mixture within 7 days prior to planting and shallowly incorporate or Surface Blend into the upper 1 to 2 inches of soil within 8 hours after application.

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

**RECOMMENDED RATES:**

**Preplant Incorporated—**Apply 2.5 to 3 quarts of Micro-Tech plus 0.5 quarts of Treflan 4EC per acre. Applications which are not consistent with the recommendations in this label may result in unsatisfactory weed control or crop injury.

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**Conservation or Minimum  
Tillage Systems  
TANK MIXTURES**

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**SOYBEANS ONLY  
AT-PLANTING APPLICATIONS**

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When applied as directed under the conditions described, these tank mixtures control many emerged annual weeds, suppress many emerged perennial weeds and give preemergence control of many annual grasses and weeds when soybeans will



be planted directly into a cover crop, stale seedbed or in previous crop residues such as wheat stubble.

These tank mixtures will not control regrowth from perennial weeds.

DO NOT APPLY BY AIR.

Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in the tank mixture.

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

Micro-Tech and the following tank mixtures can be tank-mixed with Roundup and Gramoxone Extra.

- MICRO-TECH<sup>a</sup> ■
- MICRO-TECH plus CANOPY ■
- MICRO-TECH plus GEMINI ■
- MICRO-TECH plus LEXONE ■
- MICRO-TECH plus LINURON ■
- MICRO-TECH plus LOROX PLUS ■
- MICRO-TECH plus PREVIEW ■
- MICRO-TECH plus PREVIEW plus LOROX PLUS ■
- MICRO-TECH plus PURSUIT ■
- MICRO-TECH plus SCEPTER ■
- MICRO-TECH plus SENCOR ■

Apply these tank mixture with Roundup in 10 to 20 gallons of water or 10 to 60 gallons of nitrogen solution per acre, or these tank mixture with Gramoxone Extra in 20 to 60 gallons of water or clear liquid fertilizer per acre immediately before, during or after planting, but BEFORE CROP EMERGENCE. As density of stubble, crop residue or weeds increases, spray volume and rate should be increased within the recommended ranges to ensure complete coverage. In the absence of emerged vegetation, delete the Roundup or Gramoxone Extra portion of these tank mixtures.

APPROVED APPLICATION SYSTEMS

Ground - Broadcast boom

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

CONTROL OR SUPPRESSION OF EMERGED WEEDS

ATTENTION

8/18/95

**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 since 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 wind are gusty or in excess of 5 mph 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) which are more likely to drift.

■ **ROUNDUP** ■

**Annual Weeds**—Apply 1 to 1.5 pints of Roundup per acre in these tank mixtures when weeds are less than 6 inches tall. Use 2 pints of Roundup per acre for control of fall panicum, barnyardgrass, crabgrass and shattercane up to 2 inches tall; Pennsylvania smartweed up to 6 inches tall; other annual weeds 6 to 12 inches tall. For emerged annual weeds controlled, see the "WEEDS CONTROLLED" section of the label for Roundup.

**Perennial Weeds**—At normal application dates in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. See the "GENERAL INFORMATION" section of the label for Roundup for the proper stage of growth for perennial weeds. Use of 2 to 4 quarts of Roundup per acre in the above mixtures under these conditions provides top kill and reduces competition from many emerged perennial grasses and broadleaf weeds.

For emerged perennial weeds controlled, see the "WEEDS CONTROLLED" section of the label for Roundup. To obtain control of perennial weeds, follow recommendations on the label for Roundup for stage of growth and rate of application.

USE OF THESE MIXTURE FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IS NOT RECOMMENDED.

**NOTE:** When using these tank mixtures, do not exceed 4 quarts of Roundup herbicide per acre.

**Ammonium Sulfate**—The addition of ammonium sulfate in the spray solution may increase the performance of Roundup 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 Roundup. Do not reduce rates of Roundup 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

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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.

■ **GRAMOXONE EXTRA** ■

When used as directed, Gramoxone Extra in labeled tank mixtures controls many emerged annual weeds and suppresses many emerged perennial weeds.

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

**PREEMERGENCE WEED CONTROL**

■ **MICRO-TECH<sup>®</sup>** ■

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

BROADCAST RATE PER ACRE (QUARTS)	
SOIL TEXTURAL GROUP*	Micro-Tech <sup>®</sup>
Coarse	2.5
Medium	3
Fine	3

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

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

■ **MICRO-TECH<sup>®</sup> plus CANOPY** ■

For weeds controlled preemergence, see the "WEEDS CONTROLLED" section of this label for Micro-Tech plus Canopy.

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Canopy labels, including precautions on soil pH, sensitive soybean varieties and rotational crop restrictions.

See the following table for recommended rates of Micro-Tech and Canopy in this tank mixture.

BROADCAST RATE PER ACRE**		
SOIL TEXTURAL GROUP*	Micro-Tech® (quarts)	+ Canopy (ounces)
Coarse—sandy loam only	1.75 to 2.25	6
Medium	2 to 2.5	8
Fine	2.5 to 3	10

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

\*\*Use the higher rate of Micro-Tech in areas of heavy weed infestation.

■ MICRO-TECH® plus GEMINI ■

For weeds controlled preemergence, see the 'WEEDS CONTROLLED' section of this label for Micro-Tech plus Gemini.

NOTE: Observe all precautions and limitations on the Micro-Tech and Gemini labels, including precautions on soil pH and rotational crop restrictions.

See the following table for recommended rates of Micro-Tech and Gemini in this tank mixture.

BROADCAST RATE PER ACRE**		
SOIL TEXTURAL GROUP*	Micro-Tech® (quarts)	+ Gemini (ounces)
Coarse—sandy loam only	1.75 to 2.25	12 to 16
Medium	2 to 2.5	16 to 20
Fine	2.5 to 3	20 to 24

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

\*\*Use the higher rate of Micro-Tech and Gemini in areas of heavy weed infestation.

■ MICRO-TECH® plus LEXONE ■

or

■ MICRO-TECH plus SENCOR ■

For weeds controlled preemergence, see the 'WEEDS CONTROLLED' section of this label for Micro-Tech plus Lexone 4L or Sencor 4F.

See the following table for recommended rates of Micro-Tech plus Lexone 4L or Micro-Tech plus Sencor 4F in this tank mixture on various soil types.

BROADCAST RATE PER ACRE

SOIL TEXTURAL GROUP*	Micro-Tech <sup>®</sup>	+	Lexone 4L** or Sencor 4F**
	(quarts)		(pints)
Coarse— sandy loam only	1.75 to 2.25		0.5 to 0.75
Medium	2 to 2.5		0.75 to 1
Fine	2.5 to 3		1 to 1.5***

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

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

\*\*\*On the heavy clay soils of the Mississippi Delta, use 1.5 pints of Lexone 4L or Sencor 4F per acre.

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

Use the higher rate of Lexone or Sencor in the recommended 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 Lexone or Sencor 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.

PREEMERGENCE WEED CONTROL

■ MICRO-TECH<sup>®</sup> plus LINURON ■

For weeds controlled preemergence, see the "WEEDS CONTROLLED" section of this label for Micro-Tech plus linuron.

See the following table for recommended rates of Micro-Tech and linuron 4L in this tank mixture.

BROADCAST RATE PER ACRE (QUARTS)		
SOIL TEXTURAL GROUP*	Micro-Tech <sup>®</sup>	+ linuron 4L**
Coarse—sandy loam only	1.75 to 2.25	0.5 to 0.75
Medium	2 to 2.5	0.75 to 1
Fine	2.5 to 3	1 to 1.5

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

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

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

Use the higher rate of linuron 4L in the recommended ranges on soils with greater than 3% 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<sup>®</sup> plus LOROX PLUS ■

For weeds controlled preemergence, see the "WEEDS CONTROLLED" section of this label for Micro-Tech plus LoroX Plus.

**NOTE:** Observe all precautions and limitations on the labels for Micro-Tech and LoroX Plus, including precautions on soil pH and rotational crop restrictions.

See the following table for recommended rates of Micro-Tech and LoroX Plus in this tank mixture.

BROADCAST RATE PER ACRE**		
SOIL TEXTURAL GROUP*	Micro-Tech <sup>®</sup> (quarts)	+ LoroX Plus (ounces)
Coarse—sandy loam only	1.75 to 2.25	12 to 14
Medium	2 to 2.5	14 to 16
Fine	2.5 to 3	16 to 18

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

\*\*Use the higher rate of Micro-Tech and Lorox Plus in areas of heavy weed infestation.

**MICRO-TECH® plus PREVIEW**

For weeds controlled preemergence, see the 'WEEDS CONTROLLED' section of this label for Micro-Tech plus Preview.

**NOTE:** Observe all precautions and limitations on the labels for Micro-Tech and Preview, including precautions on soil pH, sensitive soybean varieties and rotational crop restrictions.

See the following table for recommended rates of Micro-Tech and Preview in this tank mixture.

BROADCAST RATE PER ACRE**			
SOIL TEXTURAL GROUP*	Micro-Tech® (quarts)	+	Preview (ounces)
Coarse—sandy loam only	1.75 to 2.25		6
Medium	2 to 2.5		7
Fine	2.5 to 3		8

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

\*\*Use the higher rate of Micro-Tech in areas of heavy weed infestation.

**MICRO-TECH® plus PREVIEW plus LOROX PLUS**

For weeds controlled preemergence, see the 'WEEDS CONTROLLED' section of this label for Micro-Tech plus Preview.

**NOTE:** Observe all precautions and limitations on the labels for Micro-Tech, Preview and Lorox Plus, including precautions on soil pH, sensitive soybean varieties and rotational crop restrictions.

See the following table for recommended rates of Micro-Tech, Preview and Lorox Plus in this tank mixture.

BROADCAST RATE PER ACRE**					
SOIL TEXTURAL GROUP*	Micro-Tech® (quarts)	+	Preview (ounces)	+	Lorox Plus (ounces)
Coarse—sandy loam only	1.75 to 2.25		3		6
Medium	2 to 2.5		3.5		7
Fine	2.5 to 3		4		8

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

\*\*Use the higher rate of Micro-Tech in areas of heavy weed infestation.

**MICRO-TECH® plus PURSUIT**

For weeds controlled preemergence, see the 'WEEDS CONTROLLED' section of this label for Micro-Tech plus Pursuit.

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Pursuit labels before use of this tank mixture, including minimum recropping interval and rotational guidelines.

See the following table for recommended rates of Micro-Tech and Pursuit in this tank mixture.

BROADCAST RATE PER ACRE**		
SOIL TEXTURAL GROUP*	Micro-Tech® (quarts)	+ Pursuit (ounces)
Coarse	1.75 to 2.25	4
Medium	2 to 2.5	4
Fine	2.5 to 3	4

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

\*\*Use the higher rate of Micro-Tech in areas of heavy weed infestations.

**MICRO-TECH® plus SCEPTER**

For weeds controlled preemergence, see the 'WEEDS CONTROLLED' section of this label for Micro-Tech plus Scepter.

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Scepter labels before use of this tank mixture, including minimum recropping interval and rotational guidelines.

See the following table for recommended rates of Micro-Tech and Scepter in this tank mixture.

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



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

\*\*Use the higher rate of Micro-Tech in areas of heavy weed infestation.

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**EARLY PREPLANT APPLICATION**

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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, or Gramoxone Extra 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. Observe all precautions and limitations on the labels for Micro-Tech, Roundup, Gramoxone Extra and other postemergence herbicides before use of these products.

DO NOT apply tank mixtures containing Roundup, Gramoxone Extra or other contact herbicides by air.

**MICRO-TECH®**

This product, when applied in a single application or split application, will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the 'WEEDS CONTROLLED' section of this label.

**APPROVED APPLICATION SYSTEMS**

- Ground - Broadcast boom
- Aerial - Fixed wing; helicopter
- Center Pivot Irrigation
- Dry Bulk Fertilizer Impregnation

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

**RECOMMENDED RATE AND TIMING OF APPLICATION**

**Single Application**—Application of this product should be made less than 30 days before planting but prior to weed emergence.

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

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

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

BROADCAST RATE PER ACRE (QUARTS)	
SOIL TEXTURAL GROUP	Micro-Tech®
Coarse	2.5
Medium	3
Fine	3.0

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

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

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

This tank mixture, when applied in a single application or split application in a early preplant program, will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Canopy labels, including precautions on soil pH, sensitive soybean varieties, minimum recropping interval and rotational guidelines.

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

**APPROVED APPLICATION SYSTEMS**

Ground - Broadcast boom

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

**RECOMMENDED RATE AND TIMING OF APPLICATION**

**Single Application**—Application of this product should be made less than 30 days before planting but prior to weed emergence.

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

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

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

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE**	
	Micro-Tech® (quarts)	+ Canopy (ounces)
Coarse	2.5	6 to 8
Medium	2.5 to 3	8 to 10
Fine	3	10 to 12

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

\*\*Use the higher rate of Micro-Tech and Canopy in areas of heavy weed infestation.

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 LOROX PLUS  
(TANK MIXTURE)**

This tank mixture, when applied in a single application or split application in a early preplant program, will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Lorox Plus labels, including precautions on soil pH, sensitive soybean varieties, minimum recropping interval and rotational guidelines.

**APPROVED APPLICATION SYSTEMS**

Ground - Broadcast boom

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

**RECOMMENDED RATE AND TIMING OF APPLICATION**

**Single Application**—Application of this product should be made less than 30 days before planting but prior to weed emergence.

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

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

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

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE**	
	Micro-Tech <sup>®</sup> (quarts)	+ Lorox Plus (ounces)
Coarse	2.5	12 to 14
Medium	2.5 to 3	14 to 16
Fine	3	16 to 18

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

\*\*Use the higher rate of Micro-Tech and Lorox Plus in areas of heavy weed infestation.

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

**MICRO-TECH<sup>®</sup> plus PREVIEW  
(TANK MIXTURE)**

This tank mixture, when applied in a single application or split application in a early preplant program, will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

**NOTE:** Observe all precautions and limitations on the Micro-Tech and Preview labels, including precautions on soil pH, sensitive soybean varieties, minimum recropping interval and rotational guidelines.

**APPROVED APPLICATION SYSTEMS**

Ground - Broadcast boom

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

**RECOMMENDED RATE AND TIMING OF APPLICATION**

**Single Application**—Application of this product should be made less than 30 days before planting but prior to weed emergence.

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

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

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

BROADCAST RATE PER ACRE**		
SOIL TEXTURAL GROUP*	Micro-Tech® (quarts)	+ Preview (ounces)
Coarse	2.5	6 to 7
Medium	2.5 to 3	7 to 8
Fine	3	8 to 9

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

\*\*Use the higher rate of Micro-Tech and Preview in areas of heavy weed infestation.

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 PREVIEW plus LOROX PLUS  
(TANK MIXTURE)**

This tank mixture, when applied in a single application in a early preplant program, will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

**NOTE:** Observe all precautions and limitations on the Micro-Tech, Preview and Lorox Plus labels, including precautions on soil pH, sensitive soybean varieties, minimum recropping interval and rotational guidelines.

**APPROVED APPLICATION SYSTEMS**

Ground - Broadcast boom

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

**RECOMMENDED RATE AND TIMING OF APPLICATION**

**Single Application**—Application of this product should be made less than 30 days before planting but prior to weed emergence.

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

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

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BROADCAST RATE PER ACRE\*\*

SOIL TEXTURAL GROUP*	Micro-Tech® (quarts)	+	Preview (ounces)	+	Lorox Plus (ounces)
Coarse	2.5		3		6
Medium	2.5 to 3		3.5		7
Fine	3		4		8

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

\*\*Use the higher rate of Micro-Tech in areas of heavy weed infestation.

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 PURSUIT (TANK MIXTURE)

This tank mixture, when applied in a single application or split application in a early preplant program, will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

NOTE: Observe all precautions and limitations on the Micro-Tech and Pursuit labels, including precautions on soil pH, sensitive soybean varieties, minimum recropping interval and rotational guidelines.

APPROVED APPLICATION SYSTEMS

Ground - Broadcast boom

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

RECOMMENDED RATE AND TIMING OF APPLICATION

Single Application—Application of this product should be made less than 30 days before planting but prior to weed emergence.

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

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

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

BROADCAST RATE PER ACRE\*\*

SOIL TEXTURAL GROUP*	Micro-Tech® (quarts)	+	Pursuit (ounces)
Coarse	2.5		4
Medium	2.5 to 3		4
Fine	3		4

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

\*\*Use the higher rate of Micro-Tech in areas of heavy weed infestation.

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 SCEPTER (TANK MIXTURE)

This tank mixture, when applied in a single application or split application in a early preplant program, will provide preemergence control or reduced competition of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

NOTE: Observe all precautions and limitations on the Micro-Tech and Scepter labels, including precautions on soil pH, sensitive soybean varieties, minimum recropping interval and rotational guidelines.

APPROVED APPLICATION SYSTEMS

Ground - Broadcast boom

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

RECOMMENDED RATE AND TIMING OF APPLICATION

Single Application—Application of this product should be made less than 30 days before planting but prior to weed emergence.

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

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

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

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

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

\*\*Use the higher rate of Micro-Tech in areas of heavy weed infestation.

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

**DRY BEANS**

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

Do not feed forage or hay from treated crop.

**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 for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

**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 SYSTEMS**

Ground—Broadcast boom

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

**APPROVED APPLICATION METHODS**

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

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



**RECOMMENDED 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. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

**MICRO-TECH<sup>®</sup> plus EPTAM  
(TANK MIXTURE)  
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 for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the ''WEEDS CONTROLLED'' section of this label.

**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 SYSTEMS**

Ground—Broadcast boom

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

**APPROVED APPLICATION METHODS**

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

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

**RECOMMENDED RATES:** Apply 2 to 3 quarts of Micro-Tech plus 2 to 3 pints of Eptam 7-E per acre. Use the higher recommended rate of Micro-Tech for this tank mixture when heavy weed infestations, black or hairy nightshade, or yellow nutsedge are present. **USE ONLY THE 2 QUART RATE OF MICRO-TECH IN MICHIGAN.** Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

**MICRO-TECH<sup>®</sup> plus TREFLAN  
(TANK MIXTURE)  
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 for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the ''WEEDS CONTROLLED'' section of this label.

**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 SYSTEMS**

Ground—Broadcast boom

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

**APPROVED APPLICATION METHODS**

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

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

**RECOMMENDED 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. Applications which are not consistent with recommendations in this label may result in unsatisfactory weed control or crop injury.

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

**FOR USE IN ILLINOIS AND WISCONSIN ONLY**

Apply one treatment of this product in water solution for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the ''WEEDS CONTROLLED'' section of this label.

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

**NOTE:** Only one application of Micro-Tech herbicide may be made per cropping season.

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

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

**APPROVED APPLICATION METHODS**

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

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

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

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**LIMA BEANS (GREEN)**

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

Do not feed forage or hay from treated crop.

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

**MICRO-TECH®**

Apply one treatment of this product in water solution for control of yellow nutsedge and the annual grasses and broadleaf weeds listed in the 'WEEDS CONTROLLED' section of this label.

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

APPROVED APPLICATION SYSTEMS

Ground—Broadcast boom

**Reference:** The 'APPLICATION SYSTEMS' section of this label provides detailed information on the application of this product using broadcast boom equipment.

APPROVED APPLICATION METHODS

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

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

**RECOMMENDED RATES:** Refer to the following tables for recommended broadcast treatment rates.

Preplant Incorporated Application Rates

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BROADCAST RATE PER ACRE (QUARTS)

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SOIL  
TEXTURAL  
GROUP\*

Micro-Tech®

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Coarse	2
Medium and Fine**	2.5 to 3

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

\*\*Use the higher rate in the recommended ranges in areas of heavy weed infestation or when black or hairy nightshade or yellow nutsedge are present.

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WOODY ORNAMENTALS

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MICRO-TECH®

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

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

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

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

APPROVED APPLICATION METHODS

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

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

**RECOMMENDED RATES:** Apply 4 quarts of this product per acre as a broadcast treatment. Applications which are not consistent with the recommendations in this label may result in unsatisfactory weed control or injury to ornamental plantings.

**NOTE:** Repeat applications of this product may be required for sustained weed control. DO NOT exceed 2 applications or a total of 6 quarts per year or retreat within 21 days.

APPENDIX

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

ANNUAL GRASSES

**Barnyardgrass**

*Echinochloa crus-galli*

**Crabgrass**

*Digitaria ischaemum*  
*Digitaria sanguinalis*

**Cupgrass, woolly**

*Eriochloa villosa*

**Foxtail, giant**

*Setaria faberi*

**Foxtail; green, robust  
purple, robust white**

*Setaria viridis*

**Foxtail, yellow**

*Setaria lutescens*

**Goosegrass**

*Eleusine indica*

**Johnsongrass, seedling**

*Sorghum halepense*

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

#### 2.5 Gallon Containers

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

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

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

Mix Micro-Tech or labeled tank mixture of Micro-Tech, EXCEPT Micro-Tech plus TREFLAN<sup>TM</sup>, 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 Micro-Tech slowly through the screen into the tank. Mixing and compatibility may be improved when this product is prediluted with two parts of water and added to the tank in diluted form.
7. Complete filling the sprayer tank with carrier. If Gramoxone<sup>TM</sup> Extra is used, add the required amount near the end of the filling process. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source.

Mix Micro-Tech 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 the Micro-Tech 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<sup>TM</sup> at 8 ounces per 100 gallons of spray solution or nitrogen fertilizer solution (i.e. 28 percent 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.

<sup>TM</sup>Gramoxone is a trademark of a ZENECA Group Company.

<sup>TM</sup>Treflan is a trademark of DowElanco Chemical Company.

<sup>TM</sup>Hold-Up is a trademark of Rigo Company.

**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.

WITH

WITHOUT

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

To Jar Marked "With"  
Add Compatibility Agent  
And Shake To Mix.

WITH

WITHOUT

3. To each jar add the appropriate amount of herbicide(s) listed in the following tables. If more than one is used, add them separately with the



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EPA Reg. No. 524-344

12034S1-4/53

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

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

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; wetttable 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

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#### APPLICATION SYSTEMS

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

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

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

#### CHEMIGATION

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 nonuniform 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 which 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 Micro-Tech.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Meter Micro-Tech herbicide or a labeled tank mixture of Micro-Tech into the center pivot irrigation system after planting and before crop emergence. Herbicide application should be made in 1/3 and 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.

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

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

Dry bulk fertilizer may be impregnated with Micro-Tech or the tank mixtures of Micro-Tech plus atrazine on corn and sorghum or Micro-Tech plus Bladex<sup>TM</sup> on corn, and Micro-Tech or the tank mixtures of Micro-Tech plus Lexone<sup>TM</sup> or Sencor<sup>TM</sup> on soybeans. Micro-Tech and these tank mixtures must be applied with 200 to 450 pounds of dry bulk fertilizer per acre and shallowly incorporated within 7 days prior to planting. On medium and fine-textured soils in areas where soil incorporation is not planned (i.e., reduced tillage situations or in some conventional till situations) applications can be made up to 30 days before planting to allow moisture to move the herbicide-fertilizer mixture into the soil. On coarse-textured soils, applications can be made up to 14 days prior to planting. The herbicide must be applied as recommended in this label for the crop, weed and soil type treated. Refer to the table for broadcast rate per acre in the appropriate crop section of this label to determine the recommended rate per acre for the herbicide treatment to be applied.

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

RECOMMENDED QUARTS  
LIQUID HERBICIDE/ACRE

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

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

$$\frac{\text{Recommended herbicide rate (lbs or qts)/acre} \times 2000}{\text{pounds fertilizer/acre}} = \frac{\text{pounds or quarts of herbicide per ton of dry bulk fertilizer}}{\text{fertilizer}}$$

With the In-Plant system, 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<sup>TM</sup>, MP-79<sup>TM</sup>, Microcel<sup>TM</sup> E, CropStar<sup>®</sup> or Lasso<sup>®</sup> II granules can be added to provide a free-flowing mixture. Contact Monsanto Company for specific guidelines with regard to the sequence of addition for the various components and the amount of drying agent to add to provide a free-flowing mixture.

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

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

Recommended Total Micro-Tech <sup>®</sup> Broadcast Rate/Acre					
3		(Quarts) 3.5		4	
Lasso <sup>®</sup> II (Lbs)	Micro-Tech (Quarts)	Lasso <sup>®</sup> II (Lbs)	Micro-Tech (Quarts)	Lasso <sup>®</sup> II (Lbs)	Micro-Tech (Quarts)
5	2.25	5	2.75	5	3.25

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

Fertilizer	Micro-Tech <sup>®</sup>	Micro-Tech + atrazine	Micro-Tech + Bladex	Micro-Tech + Lexone or Sencor
Ammonium sulfate (21-0-0)	Yes	Yes	Yes	Yes
Ammonium phosphate-sulfate (16-20-0)	Yes	Yes	Yes	Yes
Diammonium phosphate (18-46-0)	Yes	Yes	Yes	Yes
Potassium chloride (0-0-60)	Yes	Yes	Yes	Yes
Potassium sulfate (0-0-52)	Yes	Yes	Yes	Yes
Single super- phosphate (0-20-0)	Yes	No	No	Yes
Treble super- phosphate (0-46-0)	Yes	No	No	Yes
*Urea (46-0-0)	Yes	Yes	Yes	Yes

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

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

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. Nonuniform spreading of the fertilizer-herbicide mixture may result in unsatisfactory weed control or crop injury.

<sup>TM</sup>Agisorb is a trademark of Oil Dri Corporation.

<sup>TM</sup>Bladex and Lexone are trademarks of E. I. du Pont de Nemours and Company.

®CropStar and ®Lasso are registered trademarks of Monsanto Company.

<sup>TM</sup>Microcel is a trademark of Manville Products Corporation.

<sup>TM</sup>MP-79 is a trademark of Eagle-Picher Industries, Inc.

<sup>TM</sup>Sencor is a trademark of the parent company of Farbenfabriken Bayer GmbH.

#### APPLICATION TIMING AND METHODS

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

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

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

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

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

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

**Preemergence Surface Application—**This product and all labeled tank mixtures except Micro-Tech plus Command™, Micro-Tech plus Eptam™ and Micro-Tech plus 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.

<sup>TM</sup>Surface Blend is a trademark of Monsanto Company.

<sup>TM</sup>Command is a trademark of FMC Corporation.

<sup>TM</sup>Eptam is a trademark of ZENECA Group Company.

**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 Micro-Tech plus atrazine, Micro-Tech plus Bladex, Micro-Tech plus Extrazine<sup>TM</sup> and Micro-Tech plus Princep<sup>TM</sup> may not control triazine-resistant weeds as indicated in the tables below for these mixtures.

NOTE: C = Control R = Reduced Competition

**ANNUAL GRASSES**

	Micro-Tech <sup>®</sup> plus						
	a	b	c	d	e	f	g
a Micro-Tech <sup>®</sup>							
b atrazine							
c Banvel <sup>TM</sup>							
d Bladex							
e Canopy <sup>TM</sup>							
f Command							
g Gemini <sup>TM</sup>							
Barnyardgrass	C	C	C	C	C	C	C
Crabgrass	C	C	C	C	C	C	C
Cupgrass, woolly <sup>1</sup>	R	R	•	R	R	R	•
Foxtail: giant, green, robust							

purple, robust white, yellow	C	C	C	C	C	C	C
Goosegrass	C	C	C	C	C	C	C
Johnsongrass, <sup>3</sup> seedling <sup>2</sup>	R	R	R	R	R	R	R
Millet, proso <sup>3</sup>	C	C	•	C	•	•	•
Panicum: browntop, fall <sup>4</sup>	C	C	C	C	C	C	C
Panicum, Texas <sup>4</sup>	R	R	R	R	R	R	R
Rice, red <sup>5</sup>	C	C	•	C	C	C	•
Sandbur, Grassbur <sup>2,6</sup>	R	C	•	•	•	•	•
Shattercane, wild cane <sup>1</sup>	R	R	•	R	R	R	•
Signalgrass, broadleaf	C	C	C	C	C	C	C
Sprangletop, red	C	C	C	C	C	C	C
Witchgrass	C	C	C	C	C	C	C

### ANNUAL BROADLEAVES

#### Micro-Tech<sup>®</sup> plus

	a	b	c	d	e	f	g
a Micro-Tech <sup>®</sup>							
b atrazine							
c Banvel							
d Bladex							
e Canopy							
f Command							
g Gemini							
Beggarweed, Florida <sup>2</sup>	R	C	•	C	C	•	C
Carpetweed	C	C	C	C	C	C	C
Cocklebur	•	R	R	R	C	•	C
Coffeeweed, Hemp sesbania	•	•	•	•	C	•	C
Copperleaf, hophornbeam	•	•	•	•	C	•	•
Galinsoga	C	C	C	C	C	C	C
Groundcherry, annual	•	C	•	•	C	•	C
Groundcherry, cutleaf <sup>7</sup>	C	C	C	C	C	C	C
Jimsonweed	•	C	•	•	C	C	C
Kochia	•	C	•	•	•	•	•
Lambsquarters <sup>2</sup>	R	C	C	C	C	C	C
Morningglory: tall <sup>8</sup> ,	•	R	R	R	C	•	C
pitted, ivyleaf <sup>8</sup> , entireleaf <sup>8</sup> ,	•	•	•	•	C	•	C
smallflower	R	C	•	C	C	•	C
Mustard	•	C	C	C	C	•	C
Nightshade: black <sup>7</sup> , hairy <sup>7</sup>	C	C	C	C	C	C	C
Pigweed, Carelessweed	C	C	C	C	C	C	C
Purslane	C	C	C	C	C	C	C
Pusley, Florida	C	C	C	C	C	C	C
Ragweed, common <sup>2</sup>	R	C	C	C	C	C	C
Ragweed, giant	•	•	•	•	R	•	R
Sicklepod	•	C	•	C	C	•	R
Sida, prickly; Teaweed <sup>2</sup>	R	•	•	•	C	C	C
Smartweed <sup>2</sup>	R	C	C	C	C	R	C
Starbur, bristly	R	C	•	C	C	•	•
Sunflower, common	•	•	•	•	R	•	•

Velvetleaf, Buttonweed <sup>8</sup>	•	R	R	R	C	C	C
Waterhemp	C	C	C	C	C	C	C

**SEDGE**

Nutsedge, yellow <sup>5</sup>	C	C	•	C	C	C	•
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NOTE: C = Control R = Reduced Competition

**ANNUAL GRASSES**

	Micro-Tech <sup>®</sup> plus						
	a	b	c	d	e	f	g
a linuron							
b Lorox <sup>TM</sup> Plus							
c Preview <sup>TM</sup>							
d Pursuit <sup>TM</sup>							
e Scepter <sup>TM</sup>							
f Sencor							
g Treflan							
Barnyardgrass	C	C	C	C	C	C	C
Crabgrass	C	C	C	C	C	C	C
Cupgrass, woolly <sup>1</sup>	•	•	R	R	R	R	R
Foxtail: giant, green, robust purple, robust white; yellow	C	C	C	C	C	C	C
Goosegrass	C	C	C	C	C	C	C
Johnsongrass, seedling <sup>2</sup>	R	R	R	C	C	R	R
Millet, proso <sup>3</sup>	•	•	•	•	•	•	•
Panicum: browntop, fall	C	C	C	C	C	C	C
Panicum, Texas <sup>4</sup>	R	R	R	R	R	R	R
Rice, red <sup>5</sup>	•	•	C	C	C	C	C
Sandbur, Grassbur <sup>2,6</sup>	•	•	•	•	•	•	•
Shattercane, wild cane <sup>1</sup>	•	•	R	R	R	R	R
Signalgrass, broadleaf	C	C	C	C	C	C	C
Sprangletop, red	C	C	C	C	C	C	C
Witchgrass	C	C	C	C	C	C	C

**ANNUAL BROADLEAVES**

	Micro-Tech <sup>®</sup> plus						
	a	b	c	d	e	f	g
a linuron							
b Lorox Plus							
c Preview							
d Pursuit							

	a	b	c	d	e	f	g
e Sceptor							
f Sencor							
g Treflan							
Beggarweed, Florida <sup>2</sup>	•	•	R	•	•	R	•
Carpetweed	C	C	C	C	C	C	C
Cocklebur	•	C	C	C	C	R	•
Coffeeweed	•	•	C	•	•	•	•
Copperleaf, hophornbeam	•	•	C	•	•	•	•
Galinsoga	C	C	C	C	C	C	C
Groundcherry, annual	C	C	C	C	C	C	•
Groundcherry, cutleaf <sup>7</sup>	C	C	C	C	C	C	C
Jimsonweed	•	C	C	C	C	R	•
Kochia	•	•	•	•	•	•	C
Lambsquarters <sup>2</sup>	C	C	C	C	C	C	•
Morningglory: tall <sup>8</sup>	•	R	R	R	R	•	•
pitted,	•	R	R	R	C	•	•
ivy <sup>8</sup> , entire <sup>8</sup> ,	•	R	R	R	R	•	•
smallflower	•	•	•	C	C	•	•
Mustard	C	C	C	C	C	•	•
Nightshade: black <sup>7</sup> ; hairy <sup>7</sup>	C	C	C	C	C	C	C
Pigweed, Carelessweed	C	C	C	C	C	C	C
Purslane	C	C	C	C	C	C	C
Pusley, Florida	C	C	C	C	C	C	C
Ragweed, common <sup>2</sup>	C	C	C	R	C	C	•
Ragweed, giant	•	R	R	R	R	•	•
Sicklepod	•	•	•	•	R	R	•
Sida, prickly; Teaweed <sup>2</sup>	C	C	C	C	C	C	•
Smartweed <sup>2</sup>	C	C	C	C	C	C	•
Starbur, bristly	•	•	•	•	C	C	•
Sunflower, common	•	•	R	C	C	•	•
Velvetleaf, Buttonweed <sup>8</sup>	R	C	C	C	C	R	•
Waterhemp	C	C	C	C	C	C	C

**SEDGE**

Nutsedge, yellow <sup>5</sup>	•	•	C	C	C	C	C
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- 1 Use 4 quarts per acre of this product applied alone or in tank-mix combinations. Preplant incorporate only to reduce competition from this weed. In areas of heavy weed infestation on corn only, apply an additional 2 quarts per acre of Micro-Tech any time from planting until corn is 5 inches tall for control of this weed. This sequential treatment must be made prior to emergence of the weed.
- 2 For reduced competition from this weed with Micro-Tech alone, use 2.5 to 4 quarts of Micro-Tech per acre.
- 3 Plant corn into freshly prepared seedbed. Apply 4 quarts of Micro-Tech per acre preemergence surface immediately after corn planting. Apply an

additional 2 quarts of Micro-Tech per acre delayed preemergence 6 to 10 days after planting, but before wild proso millet and corn emerge. If weather conditions prevent the timely application of the delayed preemergence application, apply a labeled postemergence herbicide.

- 4 Use a minimum of 3 quarts of Micro-Tech per acre and apply through center pivot irrigation or under sprinkler irrigation systems. DO NOT apply Micro-Tech plus atrazine tank mixture through center pivot irrigation systems.
- 5 Use 3 to 4 quarts of Micro-Tech per acre applied alone or in tank mixture and apply preplant incorporated only for control on medium and fine-textured soils. When tank-mixed with Pursuit or Scepter, use 2 to 3 quarts of Micro-Tech per acre and preplant incorporate only. On coarse-textured soils with less than 3 percent organic matter, use 3 to 4 quarts of Micro-Tech per acre as a preemergence surface application to reduce competition from yellow nutsedge.
- 6 Apply 2.5 to 3 quarts of Micro-Tech plus 1 to 2 quarts of atrazine 4L per acre. Preplant incorporated applications should be made immediately before planting. Preemergence surface applications should be applied to a freshly prepared seedbed. For best control, rotary hoe or initiate overhead irrigation (0.33 to 0.5 inch) within 24 hours of application.
- 7 Use a minimum of 2.5 quarts of Micro-Tech per acre on coarse soils, or 3 to 4 quarts of Micro-Tech per acre on medium and fine soils when used alone or in tank mixture with Banvel, Canopy, Command, Preview, Sencor/Lexone or Treflan for control of this weed.
- 8 For best results on these species when using Micro-Tech plus Scepter tank mixture, use preplant incorporated treatments.

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

Certain tank mixtures of Micro-Tech and broadleaf herbicides may be combined with applications of Roundup<sup>®</sup> or Gramoxone Extra for control of many emerged weeds prior to corn, sorghum or soybean emergence. Refer to the Roundup or Gramoxone Extra label for a list of emerged weeds controlled by tank mixtures with these products.

<sup>TM</sup>Banvel is a trademark of Sandoz, Inc.

<sup>TM</sup>Canopy, Extrazine, Gemini, Lorox and Preview are trademarks of E.I. du Pont de Nemours and Company.

<sup>TM</sup>Princep is a trademark of Ciba-Geigy Corporation.

<sup>TM</sup>Pursuit and <sup>TM</sup>Scepter are trademarks of American Cyanamid Company.

<sup>®</sup>Roundup is a registered trademark of Monsanto Company.

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

USE THESE CONVENIENT SECTION MARKERS.

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CROPS

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CORN  
SOYBEANS  
BEANS  
WOODY ORNAMENTALS

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CORN  
(All Types)

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When making applications on corn, do not make more than two application per year or exceed a total of 6 quarts of Micro-Tech per acre per year. Do not make more than one application or exceed 4 quarts of this product per acre per year on sweet corn.

MICRO-TECH®

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

APPROVED APPLICATION SYSTEMS

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

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

APPROVED APPLICATION METHODS

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

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

**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 which 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.

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

**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 6 quarts per acre per year. The second treatment must be applied before the corn exceeds 5 inches in height.

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

**Preplant Incorporated Application Rates**

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

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

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

## Preemergence Surface and Postemergence Surface Application Rates

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

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

\*\*Use the higher rate in the recommended range in areas of heavy weed infestation. 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 following Micro-Tech or tank mixtures of Micro-Tech, the total amount of Micro-Tech applied alone or in combination must not exceed 6 quarts per acre per year.

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

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

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

**NOTE:** The total amount of atrazine 4L must not exceed 3 quarts per acre per year.

### APPROVED APPLICATION SYSTEMS

Ground—Broadcast boom; banded

Aerial—Fixed wing; helicopter

Dry Bulk Fertilizer Impregnation



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

#### APPROVED APPLICATION METHODS

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

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

**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 Micro-Tech or tank mixtures of Micro-Tech, the total amount of Micro-Tech applied alone or in combination must not exceed 6 quarts per acre per year.

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

**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.

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

**Preplant Incorporated Application Rates**

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

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

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

**Preemergence Surface and Postemergence Surface Application Rates**

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

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

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

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

**MICRO-TECH<sup>®</sup> plus BANVEL  
(TANK MIXTURE)**

**Field and Silage Corn Only**

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

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

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

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

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

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

**APPROVED APPLICATION METHODS**

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

**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.

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

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

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

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE (QUARTS)	
	More than 4% organic matter Micro-Tech <sup>®</sup> + Banvel	
Fine—silty clay loam through clay	2.5 to 3	0.5

**MICRO-TECH<sup>®</sup> plus BLADEX  
(TANK MIXTURE)**

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

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

Dry Bulk Fertilizer Impregnation

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

**APPROVED APPLICATION METHODS**

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

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

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

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

**Preplant Incorporated Application Rates**

SOIL TEXTURAL GROUP*	BROADCAST RATE PER ACRE (QUARTS)					
	1% to 3% organic matter		3% or more organic matter			
	Micro-Tech®	+	Bladex 4L***	Micro-Tech	+	Bladex 4L***
Coarse**	1.75 to 2.25		1.2 to 1.4	1.75 to 2.25		1.4 to 1.8
Medium	1.75 to 2.25		1.4 to 1.6	2.25 to 2.5		1.8 to 2.2
Fine	2.25 to 2.5		1.6 to 2	2.25 to 2.75		2 to 2.4

**NOTE:** See "INCORPORATION" instructions.

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

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

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

**Surface Application Rates**

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

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

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

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

**MICRO-TECH® plus EXTRAZINE II  
(TANK MIXTURE)**

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

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

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

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

**APPROVED APPLICATION METHODS**

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

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

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

**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.

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

**Preplant Incorporated Application Rates**

		BROADCAST RATE PER ACRE (QUARTS)			
		1% to 3% organic matter		3% or more organic matter	
SOIL TEXTURAL GROUP*	Micro-Tech®+	ExtrazineII 4L***	Micro-Tech +	ExtrazineII 4L***	
Coarse**	1.75 to 2.25	1.5 to 2	1.75 to 2.25	2 to 2.5	
Medium	1.75 to 2.25	2 to 2.25	2.25 to 2.5	2.5 to 3	
Fine	2.25 to 2.5	2.25 to 2.75	2.25 to 2.75	2.75 to 3.25	

**NOTE:** See "INCORPORATION" instructions.

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

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

\*\*\*Use equivalent rates when using Extrazine II DF. One quart of Extrazine II 4L equals 1.1 pounds of Extrazine II DF.

**Surface Application Rates**

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

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

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

\*\*\*Use equivalent rates when using Extrazine II DF. One quart of Extrazine II 4L equals 1.1 pounds of Extrazine II DF.

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

**Field and Silage Corn Only**

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

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

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

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

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

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



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

#### APPROVED APPLICATION METHODS

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

**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.

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

**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.

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

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

SOIL TEXTURAL GROUP	BROADCAST RATE PER ACRE	
	More than 4% organic matter Micro-Tech <sup>®</sup> (quarts)	+ Marksman (pints)
Fine-silty clay loam through clay	2.5 to 3	3.5

<sup>TM</sup>Marksman is a trademark of Sandoz Ltd.

**MICRO-TECH<sup>®</sup> plus PRINCEP  
(TANK MIXTURE)**

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

APPROVED APPLICATION SYSTEMS

Ground—Broadcast boom, banded

Aerial—Fixed wing; helicopter

Dry Bulk Fertilizer Impregnation

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

APPROVED APPLICATION METHODS

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

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

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

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

**RECOMMENDED RATES:** Refer to the following tables for the recommended broadcast treatment rates for this tank mixture. Applications which are not consistent

with recommendations in this label may result in unsatisfactory weed control or crop injury.

**Preplant Incorporated Application Rates**

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

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

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

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

**Surface Application Rates**

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

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

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

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

**MICRO-TECH<sup>®</sup> plus ATRAZINE plus  
BLADEX (TANK MIXTURE)**

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

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

**APPROVED APPLICATION SYSTEMS**

Ground—Broadcast boom; banded

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

**APPROVED APPLICATION METHODS**

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

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

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

**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.

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

**Preplant Incorporated Application Rates**

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

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

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

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

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

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

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

Surface Application Rates

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

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

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

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

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

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

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

MICRO-TECH<sup>®</sup> plus ATRAZINE plus PROWL<sup>™</sup>  
(TANK MIXTURE)

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

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

APPROVED APPLICATION SYSTEMS

Ground—Broadcast boom; banded.

Aerial—Fixed wing; helicopter.

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

APPROVED APPLICATION METHOD

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

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

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

NOTE: 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.

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

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

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

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

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

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

<sup>TM</sup>Prowl is a trademark of American Cyanamid Corporation.

**MICRO-TECH<sup>®</sup> plus BLADEx plus PROWL  
(TANK MIXTURE)**

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

**APPROVED APPLICATION SYSTEMS**

Ground--Broadcast boom; banded

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

**APPROVED APPLICATION METHOD**

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

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