

68891-8

5/2/2001

1/19

ETK-2301TM

Herbicide

ACTIVE INGREDIENTS:

1-aminomethanamide dihydrogen tetraoxosulfate	71.1%
(Monocarbamide dihydrogen sulfate)	
Glyphosate, N- (phosphonomethyl) glycine	9.6%
INERT INGREDIENTS	19.3%
TOTAL	100.0%

Density in lb/gal @ 68°F 12.8

Contains 1.23 lbs. of glyphosate acid and 9.1 lbs. of
1-aminomethanamide dihydrogen tetraoxosulfate per gallon.

EPA Reg. No. 68891-8

EPA Est. No. _____

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

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

SEE ADDITIONAL PRECAUTIONARY STATEMENTS
ON THE NEXT PAGE

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor.

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

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

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Call 1 (800) 424-9300 for further information.

WARRANTY LIMITATIONS AND DISCLAIMER

1. Entek warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated when used in accordance with the use directions under normal conditions. Entek neither makes, nor authorizes any agent or representative to make, any other warranty of fitness or of merchantability, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond Entek's control prevent it from eliminating all risks in connection with the use of this material. Such risks include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for uses stated herein and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability resulting from the handling, storage, and use of this material (except those assumed by Entek in (1) above). Entek shall not be liable for incidental or consequential damages.

PATENTS AND PATENTS PENDING

The product contained herein is described in the following U.S. composition, manufacturing and/or method of use patents: 4397675, 4404116, 4445925, 4994101, 5034046, and 5055127. Other U.S. and foreign patents are pending.

Manufactured for

Entek Corporation
6835 Deeppath Road, Suite E
Elkridge, MD 21075
(410) 579-1622

ACCEPTED

MAY 2 2001

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 68891-8

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. Causes irreversible eye damage. Causes skin irritation. Harmful if swallowed or absorbed through skin. Avoid breathing spray mist. Do not get in eyes, on skin or on clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber or Viton.
- Shoes and socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instruction for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS: This product may be harmful to wildlife directly sprayed. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not apply in any manner not specified on the label.

PHYSICAL OR CHEMICAL HAZARDS: Do not allow ETK-2301™ to be heated above 176°F, as the quality of the

product may deteriorate. If ETK-2301™ is heated above 230°F, vigorous decomposition may occur. Do not weld equipment containing ETK-2301™.

DO NOT MIX ETK-2301™ WITH OTHER MATERIALS WITHOUT SPECIFIED AUTHORIZATION, AS HAZARDOUS COMBINATIONS MAY RESULT.

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal.

STORAGE: Material crystallizes below 15°F and becomes viscous below 32°F. Upon rewarming and agitation if necessary, the material will return to its original condition. Do not heat above 176°F.

Materials recommended for use with ETK-2301™ and ETK-2301™ solutions include stainless steel, polyethylene, polypropylene, PVC, CPVC, fiberglass made with reinforced resins such as polyesters and epoxides, and most rubbers.

Do not use with nylon or acid sensitive resins such as delrin and celcon.

ETK-2301™ is moderately corrosive to cast iron and mild steel. Prolonged exposure to these metals is not recommended. Proper cleaning of application equipment after use is essential in managing the effects of corrosive materials.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent) all containers and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

EQUIPMENT CLEANING

EXPOSED EQUIPMENT SHOULD BE RINSED THOROUGHLY AFTER USE. THE FINAL RINSE SHOULD INCLUDE 1 TO 2 POUNDS OF BAKING SODA PER 100 GALLONS OF WATER OR SIMILAR ALKALINE MATERIAL TO NEUTRALIZE ANY RESIDUE.

DIRECTIONS FOR USE

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

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

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

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber or Viton.
- Shoes and socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPs applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter treatment areas until spray has dried.

GENERAL INFORMATION

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

AVOID CONTACT WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES, SINCE SEVERE INJURY OR DESTRUCTION MAY RESULT.

3/19
Do not allow the herbicide solution to mist, drip, drift, or splash on to desirable vegetation since minute quantities of this product can cause severe damage or destruction to the crop, plants, or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product is greatest when winds are gusty or in excess of 5 miles per hour or when other conditions, including lesser wind velocities, will allow spray drift to occur. When spraying, avoid combinations of pressure and nozzle type that will result in splatter or fine particles (mist) which are likely to drift.

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

This product is a water soluble liquid that mixes readily with water and can be applied as a foliar spray for the control or destruction of most herbaceous plants. It may be applied through most standard industrial or field-type sprayers after dilution and thorough mixing with water in accordance with label instructions.

This product moves through the plant from the point of foliage contact to and into the root system. Visible effects on most annual weeds occur within 1 to 3 days, but on most perennial weeds may not occur for 5 days or more. Extremely cool or cloudy weather following treatment may slow activity of this product and delay visual effects of control. Visible effects are a gradual wilting and yellowing of the plant, which advances to complete browning of above-ground growth and deterioration of underground plant parts.

Unless otherwise specified on this label, delay application until vegetation has emerged and reached the stages described for control of such vegetation under the "Weeds Controlled" section of this label. Unemerged plants arising from unattached underground rhizomes or root stocks of perennials will not be affected by the herbicide and will continue to grow. For this reason, best control of most perennial weeds is obtained when treatment is made at late growth stages approaching maturity.

Always use the higher rate of this product per acre within the recommended range when (1) weed growth is heavy or dense, or (2) weeds are growing in an undisturbed (noncultivated) area.

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

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

Heavy rainfall or irrigation soon after application may wash the chemical off the foliage and a repeat treatment may be required.

4/19

This product does not provide residual weed control. For subsequent residual weed control follow a label approved herbicide program. Read and carefully observe the cautionary statements and all other information appearing on the labels of all herbicides used.

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

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

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES. DO NOT APPLY WHEN WIND OR OTHER CONDITIONS FAVOR DRIFT. HAND-GUN APPLICATIONS SHOULD BE PROPERLY DIRECTED TO AVOID SPRAYING DESIRABLE PLANTS.

MIXING PROCEDURE

Agitation is essential during mixing due to the density and viscosity of the concentrated material.

ETK-2301™ alone

1. Fill spray tank ½ full of water.
2. Begin agitation.
3. Add ETK-2301™ into mix tank.
4. Add additional water as needed.
5. Add an agriculturally approved surfactant.
6. Continue to agitate for 3 to 5 minutes or until thoroughly mixed.

TANK MIXTURES

ETK-2301™ may be tank mixed with other herbicides registered for the same crop, timing, and method of application. Observe the most restrictive label statements of various tank mix products used. LIABILITY FOR CROP INJURY RESULTING FROM A TANK MIXTURE NOT SPECIFIED ON THIS LABEL, OR SUPPLEMENTAL LABELING DISTRIBUTED FOR ETK-2301™, IS SPECIFICALLY DISCLAIMED BY ENTEK CORPORATION.

ETK-2301™ cannot be mixed with any product containing a label prohibition against such mixing.

DO NOT TANK MIX ETK-2301™ WITH THE DIMETHYL-AMINE SALT OF ANY PESTICIDE.

NEVER MIX UNDILUTED CHLORATES WITH ETK-2301™ AS AN EXPLOSION MAY RESULT.

COMPATIBILITY

It is recommended to check the compatibility of labeled tank mixtures of ETK-2301™ with water carrier by mixing small proportional quantities in advance in a small container. If no

incompatibility is evident after 30 minutes, the mixture is generally compatible for spraying.

Mix labeled tank mixtures with ETK-2301™ and 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 water and start agitation.
3. If a wettable powder is used, make a slurry with the water carrier, and add it SLOWLY through the screen into the tank. Continue agitation.
4. If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water. Add diluted mixture slowly through the screen into the tank. Continue agitation.
5. Continue filling the sprayer tank with water and add the required amount of this product near the end of the filling process.
6. Add recommended surfactant at the appropriate dose, before completing the filling process.
7. Add individual formulations to the spray tank as follows: wettable powder, flowable, emulsifiable concentrate, drift control additive, water soluble liquid followed by surfactant.

Maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed. Keep by-pass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. For best results with conventional ground application equipment, use flat fan nozzles.

ADDITIVES

SURFACTANTS

Surfactants, which are labeled for use with herbicides and cleared for application to growing crops, are required with this product. When using surfactants that contain at least 80 percent active ingredient, use 0.25 to 0.5 percent surfactant concentration (1 to 2 quarts per 100 gallons of spray solution). For those surfactants containing less than 80 percent active ingredient, use 1.0 percent surfactant concentration (4 quarts per 100 gallons of spray solution). Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

5/19

APPLICATION METHODS

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

AERIAL EQUIPMENT

Use the recommended rates of this herbicide in 3 to 15 gallons of water per acre unless otherwise specified on this label. See the "WEEDS CONTROLLED" section of this label for specific rates. Unless otherwise specified, do not exceed 2 quarts per acre. Aerial applications of this product may be made in annual cropping conventional tillage systems, fallow and reduced tillage systems, and preharvest. Refer to the individual use area sections of this label for recommended volumes and application rates.

Avoid direct application to any body of water.

AVOID DRIFT – DO NOT APPLY DURING INVERSION CONDITIONS, WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITION WHICH FAVORS DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT IS NOT INTENDED. TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

Coarse sprays are less likely to drift, therefore, do not use nozzles or nozzle configurations which dispense spray as fine spray droplets. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure.

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

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

Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills. PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR ARE MOST SUSCEPTIBLE. The maintenance of an organic coating (paint), which meets aerospace specification MIL-C-38413, may prevent corrosion. See Equipment Cleaning section for more information.

GROUND EQUIPMENT

ETK-2301™ may be applied using the following application equipment:

- Broadcast spray equipment
- Hand-Held and High-Volume Spray Equipment - knapsack and backpack sprayers, pump-up pressure sprayers, handguns, handwands, mistblowers, lances and other hand-held and motorized spray equipment used to direct the spray onto weed foliage.
- Selective equipment - Recirculating sprayers and shielded sprayers.

Broadcast Spray Equipment

For control of annual or perennial weeds listed on this label using broadcast equipment use the recommended rates of this product plus 0.25 to 1.0 percent surfactant by total spray volume in 5 to 40 gallons of water per acre as a broadcast spray unless otherwise specified on this label. See the "Weeds Controlled" section of this label for specific rates. As density of weeds increases, spray volume should be increased within the recommended range to ensure complete coverage. Carefully select proper nozzle to avoid spraying a fine mist. For best results with conventional ground application equipment, use flat fan nozzles.

Hand-Held and High Volume Spray Equipment

Mix this product in clean water and apply to foliage of vegetation to be controlled. For applications made on a spray-to-wet basis, spray coverage should be uniform and complete. Do not spray to the point of runoff. Use coarse sprays only.

For control of annual weeds listed on this label, apply a 1.5 percent solution of this product plus surfactant to weeds less than 6 inches in height or runner length. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds. Allow three or more days before tillage or mowing.

For annual weeds over 6 inches tall, or when not using additional surfactant, or unless otherwise specified, use a 2.5 percent solution. For best results, use a 5 percent solution on harder-to-control perennials, such as bermudagrass, dock, field bindweed, hemp dogbane, milkweed and Canada thistle.

When using application methods, which result in less than complete coverage, use a 10 percent solution for annual and perennial weeds and for woody brush and trees.

Prepare the desired volume of spray solution by mixing the amount of ETK-2301™ in water as shown in the following table:

Desired Volume	Spray Solution Amount of ETK-2301™			
	1.5%	2.5%	5%	10%
1 gal.	2 fl. oz.	3 ¼ fl. oz.	6 ½ fl. oz.	12 ½ fl. oz.
25 gal.	3 pt.	2 ½ qt.	5 qt.	2 ½ gal.
100 gal.	1 ½ gal.	2 ½ gal.	5 gal.	10 gal.

2 tablespoons = 1 fluid ounce

Selective Equipment

ETK-2301™ may be applied through a recirculating spray system, or a shielded applicator after dilution and thorough mixing with water to listed weeds growing in any noncrop site specified on this label and only when specifically recommended in "Cropping Systems".

A recirculating spray system directs the spray solution onto weeds growing above desirable vegetation, while spray solution not intercepted by weeds is collected and returned to the spray tank for reuse.

A shielded applicator directs the herbicide solution onto weeds while shielding desirable vegetation from the herbicide.

A wiper applicator applies the herbicide solution onto the weeds by rubbing the weed with an absorbent material containing the herbicide solution.

AVOID CONTACT WITH DESIRED VEGETATION.

Contact of the herbicide solution with the desirable vegetation may result in damage or destruction. Applicators used above desired vegetation should be adjusted so that the lowest spray stream is at least 2 inches above the desirable vegetation. Droplets, mist, foam, or splatter of the herbicide solution settling on desirable vegetation may result in discoloration, stunting, or destruction.

Applications made above the crops should be made when the weeds are a minimum of 6 inches above the desirable vegetation. Better results may be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations, or when the height of the weeds varies so that not all weeds are contacted. In these instances repeat treatment may be necessary.

Shielded applicators

When applied as directed under conditions described for shielded applicators, this product will control those weeds listed in the "Weeds Controlled" section of this label.

Use the following equation to convert from a broadcast rate per acre to a band rate per acre.

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

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

Use nozzles that provide uniform coverage within the treated area. Keep shields on shielded sprayers adjusted to protect desirable vegetation. **EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT WITH DESIRABLE VEGETATION.**

6/19
For specific rates of application and instructions for control of various annual and perennial weeds, see the "Weeds Controlled" section of this label.

WEEDS CONTROLLED

ETK-2301™ controls many annual and perennial grasses and broadleaf weeds.

ANNUAL WEEDS

APPLY to actively growing grass and broadleaf weeds.

- Allow at least 3 days after treatment before tillage.
- For maximum agronomic benefit, apply when weeds are 6 inches or less in height.
- To prevent seed production, applications should be made prior to seed-head formation.
- ETK-2301™ does not provide residual control; therefore, delay application until maximum weed emergence. Repeat treatments may be necessary to control later germinating weeds.

LOW-VOLUME BROADCAST APPLICATIONS

When applied as directed under the conditions described, ETK-2301™ will control the weeds listed below when:

- 1.) Water carrier volumes of 10-15 gallons per acre are used for ground applications.
- 2.) A surfactant is added at 0.25 to 1.0 percent by total spray volume. Use 0.25 to 0.5 percent surfactant concentration when using surfactants that contain at least 80% active ingredient. Use 1.0 percent surfactant concentration when using surfactants that contain less than 80% active ingredient.

For weeds that have been mowed, grazed, or cut, allow regrowth to occur prior to treatment.

Weed Species	Maximum Height/Length	Rate Per Acre* (Fluid Ounces)
Foxtail <i>Serana</i> spp	12"	20 fl. oz.
Barnyardgrass	6" 0 to 4" 4 to 6"	24 fl. oz. 32 fl. oz. ¹ 48 fl. oz. ¹
Bluegrass, annual Brome, downy** Mustards blue Mustard, tansy Mustard, tumble Mustards wild Spurry, umbrella		
Foxtail, Barley Rye Sandbur, field <i>Cenchrus</i> spp Shattercane Stinkgrass	12"	24 fl. oz.

7/19

Wheat	18"	24 fl. oz.
Morningglory <i>Ipomoea</i> spp	2"	40 fl. oz.
Sicklepod		
Bluegrass, bulbous	6"	32 fl. oz.
Cheat		
Chickweed, common		
Chickweed, mouseear		
Corn		
Goatgrass, jointed		
Groundsel, common		
Lambsquarters		
Pennycress, field		
Rocket, London		
Ryegrass, Italian		
Shepherdspurse		
Spurge, annual <i>Euphorbia</i> spp.		
Buttercup <i>Ranunculus</i> spp.	12"	32 fl. oz.
Cocklebur		
Crabgrass <i>Digitaria</i> spp.		
Dwarf dandelion		
Falseflax, smallseed		
Foxtail, Carolina		
nsongrass, seedling		
Oats, Wild		
Panicum, fall		
Panicum, Texas		
Pigweed, redroot		
Pigweed, smooth		
Tall Waterhemp		
Witchgrass		
Sicklepod	3 to 4"	60 fl. oz.
Signalgrass, broadleaf	4"	
Horseweed/Marestail	7 to 12"	60 fl. oz.
Lambsquarters, common		
Spurge, annual <i>Euphorbia</i> spp.		
Rice, red	4"	64 fl. oz.
Teaweed		
Sprangletop <i>Leptochloa</i> spp	6"	64 fl. oz.
Geranium, Carolina	12"	64 fl. oz.
Goosegrass	5 to 12"	64 fl. oz.
nrose, cutleaf evening		
Musley, Florida		
Sicklepod		
Spanishneedles		
Filaree <i>Erodium</i> spp.	12"	100 fl. oz.
Sprangletop <i>Leptochloa</i> spp.		

¹ Use these rates to control barnyardgrass in Alabama, Arkansas, Mississippi, Missouri, Louisiana and Texas for preplant treatments.

* For those rates less than 80 fluid ounces per acre, ETK-2301™ at rates up to 80 fluid ounces per acre may be used where heavy weed density exist.

** For control in no-till systems, use 40 fluid ounces per acre.

HIGH-VOLUME BROADCAST APPLICATIONS

When applied as directed under the conditions described, this product will control the weeds listed below when water carrier volumes are 10 to 40 gallons per acre for ground applications.

Apply 2 to 4 quarts of ETK-2301™ per acre plus 0.25 to 1.0 percent surfactant by total spray volume. Use 2 quarts per acre if weeds are less than 6 inches tall and 3 to 4 quarts per acre if weeds are over 6 inches tall. If weeds have been mowed, grazed, or cut, allow adequate time for new growth to reach recommended stages prior to treatment. These rates will also provide control of weeds listed in the LOW-VOLUME BROADCAST APPLICATION section.

Annual Weed Species

Balsamapple*
 Bassia, fivehook
 Brome *Bromus* spp.
 Fiddleneck *Amsinckia* spp.
 Flaxleaf Fleabane
 Fleabane *Erigeron* spp.
 Kochia *scoparia*
 Lettuce, prickly
 Mallow, malva spp
 Panicum *Panicum* spp
 Ragweed, common
 Ragweed, giant
 Smartweed, Pennsylvania
 Sowthistle, annual
 Sunflower
 Thistle, Russian
 Velvetleaf
 Volunteer potatoes

* Apply with hand held equipment only.

PERENNIAL WEEDS AND WOODY BRUSH

Apply ETK-2301™ as follows to control or destroy most perennial weeds.

NOTE: If weeds have been mowed or tilled, do not treat until plants have resumed active growth and have reached the recommended stages.

Repeat treatments may be necessary to control weeds generating from underground parts or seeds. Repeat treatments must be made prior to crop emergence.

When applied as recommended under the conditions described, this product WILL CONTROL the following:

Perennial Weed And Woody Brush Species

Alfalfa
 *Alligatorweed
 Artichoke, Jerusalem
 Bahiagrass
 Bentgrass spp.
 Bermudagrass
 Bermudagrass, water (knotgrass)
 Bindweed field
 Blackberry
 Bluegrass, Kentucky spp.
 Blueweed, Texas
 Brackenfern
 Bromegrass, smooth
 Bursage, woollyleaf
 Canarygrass, reed
 Cattail spp.

8/19

Clover, red
 Clover, white
 Cogongrass
 Dallisgrass
 Dandelion
 Dewberry
 Dock, curly
 Dogbane, hemp
 Fescue *spp.*
 Fescue, tall
 Guineagrass
 Horsenettle
 Horseradish
 Johnsongrass
 Kikuyugrass
 Knapweed
 Lantanna
 Milkweed *spp.*
 Muhly, wirestem
 Muhlenbergia frondosa
 Mullein, common
 Napiergrass
 Nightshade, silverleaf
 Nutsedge, purple, yellow
 Cyperus rotundus
 Orchardgrass
 Pampasgrass
 Paragrass
 *Phragmites *spp.*
 Quackgrass
 *Redvine
 Reed, giant
 Rose, multiflora
 Ryegrass, perennial
 Smartweed, swamp
 Spurge, leafy
 Sweet potato wild
 Thistle, Canada
 Timothy
 *Torpedograss
 *Trumpet creeper
 Vaseygrass
 Wheatgrass, western

*Partial control

See "Directions for Use", "General Information", "Mixing Procedure", "Tank Mixtures", "Compatibility", "Additives", and "Application Methods" sections of this label for labeled uses and specific application instructions.

Alfalfa - Apply 2.5 quarts of this product plus surfactant per acre in 5 to 40 gallons*** of water by broadcast and in 3 to 15 gallons of water by air. Make application after the last hay cutting in the fall. Allow alfalfa to regrow to a height of 6 to 8 inches or more prior to treatment. Applications should be followed with deep tillage at least 7 days after treatment, but before soil freeze-up.

Alligatorweed - Apply 8 quarts of this product plus surfactant per acre in 5 to 40 gallons*** of water by broadcast and in 3 to 15 gallons by air. Or, apply a 3.75% solution plus surfactant with hand-held equipment to provide partial control. Apply

when most of the plants are in bloom. Repeat applications will be required to maintain such control.

Bentgrass - For suppression in grass seed production areas. For broadcast application only, apply 3 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre. Ensure entire crown area has resumed growth prior to a fall application. Bentgrass should be actively growing and have at least 3 inches of growth. Tillage prior to treatment should be avoided. Tillage 7 to 10 days after application is recommended for best results. Failure to use tillage after treatment may result in unacceptable control.

Bermudagrass - Apply 7.5 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Or, apply a 5% solution plus surfactant with hand-held equipment. Treat when bermudagrass is actively growing and seedheads are present. Retreatment may be necessary to maintain control. Allow 7 or more days after application before tillage.

Bermudagrass, water (knotgrass) - Apply 3.75 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Apply when bermudagrass, water (knotgrass) is actively growing and 12 to 18 inches in length. Allow 7 or more days before tilling, flushing, or flooding the field.

For Fall application only - Apply 2.5 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Fallow fields should be tilled prior to application. Apply prior to frost on Bermudagrass, water (knotgrass) that is actively growing and 12 to 18 inches in length. Allow 7 or more days before tillage.

Bindweed, field - West of the Mississippi River, apply 8 to 10 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre. East of the Mississippi River, apply 6 to 8 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre. Apply when the weeds are actively growing and are at or beyond full bloom. Do not treat when weed is under drought stress as good soil moisture is necessary for active growth. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost. Allow 7 or more days after application before tillage.

For suppression on irrigated land where annual tillage is performed, apply 2.5 quarts of this product plus 0.5 to 1 percent surfactant by total spray volume in 10 to 40 gallons*** of water per acre. Apply to actively growing bindweed that has reached a length of 12 inches or greater. Allow maximum weed emergence and runner growth. Do not treat when weed is under drought stress as good soil moisture is necessary for active growth. Allow 7 or more days after application before tillage.

The following tank mixtures with 2,4-D ester may be applied using aerial application equipment in fallow and reduced tillage systems only.

For suppression on irrigated agricultural land, apply 2 to 4 quarts of this product plus 1 pound a.i. of 2,4-D ester in 10 to 20 gallons of water per acre with ground equipment only. Applications should be made following harvest or in fall fallow

9/19

ground when the bindweed is actively growing and the majority of runners are 12 inches or more in length. The use of at least one irrigation will promote active bindweed growth.

For suppression, apply 1.5 quarts of this product plus 0.5 pound a.i. of 2,4-D ester plus 0.25 to 1 percent surfactant by total spray volume in 5 to 15 gallons of water per acre for ground applications and 5 to 10 gallons of water per acre for aerial applications. Applications should be delayed until maximum emergence has occurred and when vines are between 6 to 18 inches in length.

**Bluegrass, Kentucky
Bromegrass, smooth**

Orchardgrass (not for sods going to no-till corn) - Apply 4 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Apply when the grasses are actively growing and most plants have reached boot to early seedhead stage of development.

For partial control in pasture or hay crop renovation, apply 2.5 to 3.75 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Apply to actively growing plants when most have reached 4 to 12 inches in height. Allow 7 or more days after application before tillage.

Orchardgrass (sods going to no till corn) - Apply 2.5 to 4 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Apply to orchardgrass that is a minimum of 12 inches tall for spring applications and 6 inches tall for fall applications. Allow at least 3 days following application before planting.

Blueweed Texas - West of the Mississippi River, apply 8 to 10 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. East of the Mississippi River, apply 7.5 to 10 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Apply when weeds are actively growing and are at or beyond full bloom. Do not treat when weeds are under drought stress as good soil moisture is necessary for active growth. New leaf development indicates active growth. For best results apply in late summer or fall. Fall treatments must be applied before a killing frost. Allow 7 or more days after application before tillage.

Brackenfern - Apply 7.5 to 10 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Or, apply a 1.5% solution plus surfactant with hand-held equipment. Apply to fully expanded fronds, which are at least 18 inches long.

**Canarygrass reed
Timothy**

Wheatgrass, western - Apply 4 to 6 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. For best results apply to actively growing plants when most have reached the boot to early seed-head stage of growth. Allow 7 or more days after application before tillage.

Cogongrass—Apply 7 to 12 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Apply when Cogongrass is at least 18 inches tall and actively growing in late summer or fall. Allow 7 or more days after application before tillage or mowing. Due to uneven stages of growth and the dense nature of vegetation preventing good spray coverage, repeat treatments may be necessary to maintain control.

Dandelion

Dock, curly - Apply 7.5 to 12.5 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Or for Dock, curly, apply a 5.0% solution plus surfactant with hand-held equipment. Apply when plants are actively growing and most have reached the early bud stage of growth. Allow 7 or more days after application before tillage.

Also for control, apply 1.5 quarts of this product plus 0.5 pound a.i. 2,4-D ester plus surfactant in 5 to 15 gallons of water per acre by broadcast and in 3 to 15 gallons of water by air.

Dogbane hemp

Knapweed

Horseradish - Apply 10 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Or for Dogbane hemp, apply a 5.0% solution plus surfactant with hand-held equipment. Apply when actively growing and when most weeds have reached the late bud to flower stage of growth. Following crop harvest or mowing, allow weeds to regrow to a mature stage prior to treatment. For best results, apply in late summer or fall. Allow 7 or more days after application before tillage.

For suppression, apply 1 quart of this product plus 0.5 pound a.i. of 2,4-D ester plus surfactant in 5 to 15 gallons of water per acre by broadcast and in 3 to 5 gallons of water by air. Delay applications until maximum emergence of dogbane hemp has occurred.

Fescue, tall—Apply 6 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Apply to actively growing plants when most have reached boot-to-early seedhead stage of development.

Fall applications only, apply 2 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 5 gallons of water by air. Apply to fescue in the fall when actively growing and plants have 6 to 12 inches of new growth. Allow 7 or more days after application before tillage. A sequential application of 1.25 quarts (2.5 pints) per acre of this product plus surfactant will improve long-term control and control seedlings germinating after fall treatments or the following spring.

Guineagrass - Apply 7.5 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 5 gallons of water by air. Apply to actively growing guineagrass when most have reached at least the 7-leaf stage of growth. Allow 7 or more days after application before tillage.

Johnsongrass

Ryegrass perennial – For annual cropping systems, apply 2.5 to 5.0 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre and in 3 to 15 gallons of water by air. For non-crop or areas where tillage is not performed (no-till), apply 5.0 to 7.5 quarts of this product plus surfactant in 10 to 40 gallons of water per acre and in 3 to 15 gallons of water by air. For best results apply to actively growing plants when most have reached the boot to head stage of growth or in the fall prior to frost. Allow 7 or more days after application before tillage. Do not tank-mix with residual herbicides when using the 2.5 quart per acre rate.

For burndown of Johnsongrass, apply 2.5 pints of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Spray before the plants reach a height of 12 inches. For this use, allow at least 3 days after treatment before tillage.

For spot treatment (partial control or suppression), apply a 2.5%*** solution plus surfactant with hand-held equipment. Spray when Johnsongrass is 12 to 18 inches in height. Coverage should be uniform and complete.

Kikuyugrass - Apply 4 to 6 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Spray when most kikuyugrass is at least 8 inches in height (3 or 4 leaf stage of growth) and actively growing. Allow 3 or more days after application before tillage.

Lantana - Apply this product as a 2.5% to 3%*** solution plus surfactant using hand-held equipment. Apply using hand-held equipment only. Apply to actively growing lantana at or beyond the bloom stage of growth. Use the higher application rate for plants that have reached the woody stage of growth. Allow 7 or more days after application before tillage.

Milkweed, common - Apply 7.5 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Or, apply a 5.0% solution plus surfactant with hand-held equipment. Apply when actively growing and most of the milkweed has reached the late bud to flower stage of growth. Following small grain harvest or mowing, allow milkweed to regrow to a mature stage prior to treatment. Allow 7 or more days after application before tillage.

Muhly, wirestem - Apply 2.5 to 5.0 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Use the 5 quart per acre rate of this product when applying in pasture sod or noncrop areas. Spray when the wirestem muhly is 8 inches or more in height and actively growing. Do not till between harvest and fall applications or in the fall or spring prior to spring applications. Allow 3 or more days after application before tillage. This product will not provide residual control of wirestem muhly from seeds, which germinate after application of this product. Do not tank mix with residual herbicides when using the 2.5 quart per acre rate.

Nightshade silverleaf - Apply 5.0 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Applications should be made when at least 60 percent of the plants have berries. Fall

treatments must be applied before a killing frost. Allow 7 or more days after application before tillage. Do not treat when weed is under drought stress as good soil moisture is necessary for active growth.

Nutsedge: purple, yellow - Apply 8.0 to 10.0 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Treat when plants are in flower or when new nutlets can be found at rhizome tips. Nutlets, which have not germinated, will not be controlled and may germinate following treatment. Repeat treatments will be required for long-term control of ungerminated tubers.

For sequential applications, apply 2.5 to 5 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Make applications when a majority of the plants are in the 3 to 5-leaf stage (less than 6 inches tall). Repeat this application, as necessary, when newly emerging plants reach the 3-to 5-leaf stage. Subsequent applications will be necessary for long-term control.

For suppression to partial control of existing plants, apply 5 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Treat when plants have 3 to 5 leaves and most are less than 6 inches tall. Repeat treatments will be required to control subsequent emerging plants or regrowth of existing plants. Wait 7 days after treatment before tillage or mowing.

Pampasgrass - Apply this product as a 3% to 5%*** solution plus surfactant using hand-held equipment. Apply to plants that are actively growing at or beyond the boot stage of growth. Thorough coverage is necessary for best control.

Phragmites—For partial control of phragmites in Florida and the counties of other states bordering the Gulf of Mexico, apply 12.5 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Or apply a 5.0%*** solution plus surfactant with hand-held equipment. In other areas of the U.S., apply 7.5 quarts of this product plus surfactant in 5 to 40 gallons of water per acre by broadcast and in 3 to 15 gallons of water by air. Or, for partial control, apply a 2.5%*** solution from hand-held equipment. For best results, treat during late summer or fall months or when plants are actively growing and in full bloom. Treatment before or after this stage may lead to reduced control. Due to the dense nature of the vegetation, which may prevent good spray coverage or uneven stages of growth, repeat treatments may be necessary to maintain control. Visual control symptoms will be slow to develop.

Quackgrass – Where deep tillage is planned after application, apply 2 to 5 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Spray when quackgrass is 6 to 8 inches in height and actively growing. Do not till between harvest and fall applications or in fall or spring prior to spring application. Allow 3 or more days after application before tillage. In pastures or sods, for best results use a moldboard plow.

For pasture or sod or other noncrop areas where deep tillage is not planned following application, apply 5 to 7.5 quarts plus

surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Spray when the quackgrass is greater than 8 inches tall and actively growing. Do not till between harvest and fall application or in fall or spring prior to spring application. Allow 3 or more days after application before tillage.

Redvine—For suppression apply 1.87**** quarts (3.75) pints of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Or, apply 5.0 quarts of this product plus surfactant in 10 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. If using two applications (1.87 quarts per acre), apply 7 to 14 days apart. Apply to actively growing plants in late September or early October, which are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least 1 week before a killing frost.

Reed, giant - Apply this product as a 5%*** solution plus surfactant using hand-held equipment. Apply when plants are actively growing. Best results are obtained when applications are made in late summer to fall.

Smartweed, swamp - Apply 7.5 to 12.0 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Apply when plants are actively growing and most have reached the early bud stage of growth. Allow 7 or more days after application before tillage.

Sweet Potato, wild - Apply this product as a 5%*** solution plus surfactant using hand-held equipment. Apply to actively growing weeds that are at or beyond the bloom stage of growth. Repeat applications will be required. Allow the plant to reach the recommended stage of growth before retreatment. Allow 7 or more days before tillage.

Thistle, Canada - Apply 4.0 to 6.0 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Or, apply this product as a 5% solution plus surfactant using hand-held equipment. Apply to actively growing thistles when most are at or beyond the bud stage of growth. After harvest, mowing or tillage in the late summer or fall, allow at least 4 weeks for initiation of active growth and rosette development prior to the application of this product. Fall treatments must be applied before a killing frost. Allow 3 or more days after application before tillage.

Also for control, apply 2.0 quarts of this product plus 0.5 pound a.i. 2,4-D ester plus surfactant in 5 to 15 gallons of water per acre by broadcast and in 3 to 15 gallons of water by air.

Torpedograss - For partial control, apply 10 to 12.5 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Apply to actively growing torpedograss when most plants are at or beyond the seedhead stage of growth for partial control. Repeat applications will be required to maintain control. Fall treatments must be applied before frost. Allow 7 or more days after application before tillage.

Trumpetcreeper - Apply 5.0 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast

11/19
and in 3 to 15 gallons of water by air. Apply to actively growing plants in late September or October, which are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least once a week before a killing frost.

Other perennials listed on this label—Apply 7.5 to 10 quarts of this product plus surfactant in 5 to 40 gallons*** of water per acre by broadcast and in 3 to 15 gallons of water by air. Apply when weeds are actively growing and most have reached early head or early bud stage of growth. Allow 7 or more days after application before tillage.

Note 1: As density of weeds increases, spray volume should be increased within the recommended range to ensure complete coverage.

*** = Apply this product plus 0.25% to 1.0% surfactant by total spray volume in recommended water volume.

**** = Apply two applications at the 1.87 quarts (3.75 pints) per acre or a single application of 5.0 quarts per acre.

CROPPING SYSTEMS

When applied as directed for "Cropping Systems," under the conditions described, this product controls annual and perennial weeds listed on this label, prior to the emergence of direct seeded crops or prior to transplanting of crops listed on this label.

See "GENERAL INFORMATION", "MIXING PROCEDURE", "TANK MIXTURES", "COMPATIBILITY", "ADDITIVES" and "APPLICATION METHODS" sections of this label for essential product performance information.

See the following "CROPPING SYSTEMS" sections for specific recommended uses.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF SPRAY WITH FOLIAGE, GREEN STEMS OR FRUIT OF DESIRABLE CROPS, PLANTS, TREES OR OTHER DESIRABLE VEGETATION SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.

Repeat treatments may be necessary to control weeds regenerating from underground parts or seed. Except as otherwise specified on this label, repeat treatments must be made before the crop emerges in accordance with the instructions of this label.

Except as otherwise specified in a crop section of this label, the combined total of all treatments must not exceed 20 quarts per acre of this product per year.

Do not plant subsequent crops other than those on the label for 30 days following application.

Do not harvest or feed treated vegetation for 8 weeks following application. Following spot treatment or selective equipment use allow 14 days before grazing domestic livestock.

<u>ROW CROPS</u>	<u>FORAGE LEGUMES</u>	<u>CEREAL GRAINS</u>
Corn (All)*	Alfalfa	Barley

12/19

Cotton
Peanuts
Soybeans

Clover
Peanuts
Soybeans

Oats
Millet
Rice
Rye
Triticale
Wheat (All)*

Berries - Blackberry, Blueberry, Boysenberry, Cranberry, Elderberry, Huckleberry, Raspberry

Mint - Peppermint, Spearmint

- * Spot treatments may be applied in these crops.
- ** Apply only prior to planting. Allow at least 3 days between application and planting.
- † Use is restricted to direct seeded crops only.

TREE FRUITS

Apple
Apricot
Cherry
Nectarine
Olive
Peach
Pear
Plum
Plumcot
Prune

TREE NUTS

Almond
Beechnut
Brazil Nut
Butternut
Cashew
Chesnut
Filbert (Hazelnut)
Hickory Nut
Macadamia Nut
Pecan
Pistachio
Walnut

CITRUS

Calamondin
Chironja
Citron
Grapefruit
Kumquat
Lemon
Lime
Mandarin Orange
Orange (All)
Pummelo
Tangelo
Tangerine
Tangors

VINE CROPS

Grapes

TROPICAL CROPS

Avocado
Banana
Coffee
Dates
Figs
Guava
Papaya
Passion Fruit
Persimmon
Pineapple
Plantain

VEGETABLES

Asparagus*
Beans (all)
Broccoli (all)
Brussel Sprouts
Cabbage (all)
Cabbage, Chinese
Cantaloupe**
Cauliflower
Casaba Melon**
Celery
Chard, Swiss
Collards
Crenshaw Melon**
Cucumber**
Eggplant***
Endive
Garlic**
Gourds
Honeydew Melon**
Honeyball Melon**
Kale

Kohlrabi
Leek
Lettuce
Mango Melon**
Melons (all)**
Muskmelon**
Mustard Greens
Onion (all)
Parsley
Peas (all)
Pepper (all)**
Persian Melon**
Potato
Pumpkin**
Rape Greens
Rhubarb
Spinach (all)
Squash (Summer, Winter)**
Sugarbeet
Tomatillo**
Tomato**†
Watermelon

OTHER

When applying ETK-2301 prior to transplanting crops into plastic mulch, care must be taken to remove residues of this product from the plastic prior to transplanting. Residues can be removed by 0.5 inch natural rainfall or by applying water via a sprinkler irrigation system.

Spot Treatment - (Only those crops with "*" can be spot treated). Applications must be made prior to boll opening on cotton.

For dilution and rates of application using boom or hand held equipment see "MIXING PROCEDURE", "ADDITIVES", "APPLICATION METHODS", and "WEEDS CONTROLLED" sections of this label.

THE CROP RECEIVING SPRAY IN TREATED AREA WILL BE KILLED. TAKE CARE TO AVOID DRIFT OR SPRAY OUTSIDE TARGET AREA FOR THE SAME REASON.

Selective Equipment—This product may be applied through recirculating sprayers or shielded applicators in cotton. Shielded applicators may also be used in tree crops.

See the "Selective Equipment" part of the "Application Methods" section of this label for information on proper use and calibration of equipment.

ALFALFA, CLOVER AND OTHER FORAGE LEGUMES

Preplant, Preemergence and At-Planting

ETK-2301™ may be applied before, during or after planting the crops listed above. Applications must be made prior to emergence of the crop. Remove domestic livestock before application. Do not graze or harvest crop within 8 weeks of application.

Preharvest (Alfalfa only)

ETK-2301™ may be used where crop destruction is needed, or for the control of annual and perennial weeds, including quackgrass. The treated crop and weeds can be harvested and fed to livestock after 36 hours. Do not harvest within 36 hours of ETK-2301™ application. Make only one application per year. For quackgrass control, apply in the spring, late summer or fall when quackgrass is actively growing. For best results, treatments should be followed by deep tillage. Do not apply more than 2 quarts of ETK-2301™ per acre as a preharvest treatment. Do not use for alfalfa grown for seed, as a reduction in germination or vigor may occur.

Renovation

13/19

ETK-2301™ may be applied as a broadcast spray to existing stands of alfalfa, clover, or other labeled forage legumes. Labeled crops may be planted into the treated area. Remove domestic livestock before application and wait 8 weeks before grazing or harvesting.

VEGETABLES

Asparagus, Beans, Broccoli, Brussel Sprouts, Cabbage, Cabbage (Chinese), Cantaloupe, Cauliflower, Casaba Melon, Celery, Chard (Swiss), Collards, Crenshaw Melon, Cucumber, Eggplant, Endive, Garlic, Gourds, Honeydew Melon, Honeyball Melon, Kale, Kohlrabi, Leek, Lettuce, Mango, Melon, Melons, Muskmelon, Mustard Greens, Onion, Parsley, Peas, Pepper, Persian Melon, Potato, Pumpkin, Rape Greens, Rhubarb, Spinach, Squash, Sugarbeet, Tomatillo, Tomato†, Watermelon,

† Tomatoes - direct seeded only.

ASPARAGUS

ETK-2301™ may be applied prior to planting or emergence of asparagus. Do not apply within one week before spears first emerge.

ETK-2301™ may be applied as a spot treatment immediately after cutting, but before emergence of new spears. Do not treat more than 10 percent of the total field area to be harvested. Allow at least 5 days between application and harvest of asparagus.

ETK-2301™ may be applied after the last harvest when all spears have been removed. If spears are allowed to regrow, delay application until ferns have developed. Apply as a directed or shielded spray in order to avoid contact of the spray with ferns, stems, or spears.

Note: Direct contact of the spray with the asparagus plant may result in serious crop injury. Use spray equipment recommended for postharvest applications.

OTHER VEGETABLES

Preemergence - ETK-2301™ may be applied prior to the emergence of direct seeded vegetables or prior to transplanting vegetables. Applications made at emergence will result in injury or death to emerged seedlings. Allow at least 3 days between application and planting of cantaloupe, melons (all), cucumber, eggplant, gourds, muskmelon, pepper, pumpkin, squash, tomatillo, watermelon.

When applying ETK-2301, refer to the "WEEDS CONTROLLED" section of this label and to the specific recommendations in this section for rates to be used.

BERRIES AND SMALL FRUITS

Blackberry, Blueberry, Boysenberry, Cranberry, Elderberry, Huckleberry, Raspberry

For berries and small fruits, apply as a preplant broadcast application, or as a directed spray after planting. See the "Application Methods" section of this label for information on

the proper use of equipment. Allow a minimum of 30 days between application and harvest of cranberries. For other small fruits and berries, allow a minimum of 14 days between last application and harvest.

CEREAL CROPS

Barley, Millet, Oats, Rice, Rye, Tricale, Wheat

ETK-2301™ may be applied before, during or after planting of cereal crops, but prior to emergence of the crop.

Preharvest (Wheat only) - ETK-2301™ provides weed control when applied prior to harvest of wheat. Apply after hard-dough stage of grain (30% or less moisture) and at least 7 days prior to harvest. Wheat stubble may be grazed immediately after harvest. For aerial applications, use 3 to 10 gallons of water per acre. For ground applications, use 10 to 20 gallons of water per acre.

Note: Do not apply more than 2.4 quarts of ETK-2301™ per acre. Do not apply to wheat grown for seed, as a reduction in germination or vigor may occur.

Postharvest - ETK-2301™ may be applied after harvest of cereal crops. Use higher rates to control large weeds growing in the crop at the time of harvest. Tank mixtures with 2,4-D ester may be used. Refer to the specific 2,4-D product label for instructions for use and cautionary statements for any product used in these tank mixes.

For any crop not listed on this label, applications must be made at least 30 days prior to planting the next crop. Do not harvest or feed treated vegetation for 8 weeks following application.

RICE

Preplant control of Red Rice prior to planting.

Apply 3.5 quarts of ETK-2301™ in 5 to 10 gallons of water per acre. Flush fields prior to application to obtain uniform germination and stand of red rice. Make application when the majority of red rice plants are in the 2-leaf stage and no more than 4 inches tall. Red rice plants with less than 2 true leaves may only be partially controlled. Avoid spraying during low humidity conditions, as reduced control may result. Do not treat rice fields or levees when the fields contain water. Do not reflood treated fields for 8 days following application.

CITRUS

Calamondin, Chironja, Citron, Grapefruit, Kumquat, Lemon, Lime, Mandarin Orange, Orange, Pummelo, Tangelo, Tangerine

ETK-2301 can be tank mixed with the following products for weed control in citrus. Allow a minimum of 1 day between last application and harvest.

Diuron
Surflan®
Simazine
Solicam®

14/19

tank mix labels for the minimum number of days between last application and harvest.

For improved burndown, this product may be tank-mixed with the following herbicides:

2.4-D ester*

CORN AND SOYBEANS

Annual Weeds – For difficult-to-control weeds such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply ETK-2301™ at 2 quarts per acre in the tank mixtures listed under the “CORN” and “SOYBEAN” sections of this label. For other labeled annual weeds, apply 2 to 3 pints of this product per acre when weeds are less than 6 inches tall, and 4 to 6 pints when weeds are over 6 inches tall. For a complete list of annual weeds controlled, see the “WEEDS CONTROLLED” section of this label.

Perennial Weeds – At normal application times in minimum tillage systems, perennial weeds may not be at the proper stage of growth for control. See the “WEEDS CONTROLLED” section of this label for the proper stage of growth for perennial weeds.

Use of 5 to 10 quarts of this product per acre in the tank mixtures mentioned above, under these conditions provides top kill and reduces competition from many emerged perennial grass and broadleaf weeds. For emerged perennial weeds controlled, see the "WEEDS CONTROLLED" section of this label.

To obtain the desired stage of growth, it may be necessary to apply this product alone in the late summer or fall and then follow with a label-approved, seedling weed control program at planting.

USE OF THESE TANK MIXTURES FOR BERMUDAGRASS OR JOHNSONGRASS CONTROL IN MINIMUM TILLAGE SYSTEMS IS NOT RECOMMENDED. For bermudagrass control, follow the instructions under "CONTROL OF PERENNIAL WEEDS" section of this label and then use a label-approved, seedling weed-control program in a minimum tillage or conventional tillage system. For Johnsongrass control, follow instructions under "CONTROL OF PERENNIAL WEEDS" section of this label, and then use a label-approved, seedling weed-control program with conventional tillage.

COTTON

Broadcast Applications - ETK-2301™ may be applied using ground spray equipment before crop emergence. For ground applications with broadcast equipment, apply this product plus 0.25 to 1 percent surfactant by total spray volume in 10 to 40 gallons of water per acre.

Weed Control – For specific rates of application and instructions for control of various annual and perennial weeds, see the "WEEDS CONTROLLED" section of this label.

Sec3.042701
Page 14 of 19

ALACHLOR
CANOPY®
COMMAND®
FRONTIER®
Linuron
Metolachlor
Metribuzin
Pendimethalin
PURSUIT®
PURSUIT PLUS*
SCEPTER®
SQUADRON®

For residual control, this product may be tank-mixed with the following herbicides or combination of herbicides:

Preharvest – Allow a minimum of 7 days between last application of ETK-2301 and harvest. Refer to the specific

15/19

To control Johnsongrass using multiple-directed or broadcast over-the-top spray equipment, apply 2.5 quarts of this product plus 0.25 to 1 percent surfactant by total spray volume in 10 to 40 gallons of water per acre. Ensure complete coverage.

For partial control of field bindweed, apply 2.5 quarts of this product plus 0.25 to 1 percent surfactant by total spray volume in 10 to 40 gallons of water per acre. Apply when bindweed is actively growing and 12 inches or greater in length. Reduced performance may result if bindweed is under drought stress.

Preharvest - ETK-2301™ may be applied prior to harvest of cotton to control weeds and to inhibit cotton regrowth. To inhibit cotton regrowth, apply 2.5 to 4.5 quarts of ETK-2301™ per acre, using aerial or ground equipment. For aerial applications, use 3 to 10 gallons of water per acre. For ground applications, use 10 to 20 gallons of water per acre. Allow a minimum of 7 days between application and harvest.

Precaution and Restrictions - Do not feed or graze treated cotton forage or hay following preharvest applications. **DO NOT APPLY MORE THAN 2.5 QUARTS OF THIS PRODUCT PER ACRE BY AIR.** Do not apply more than 5 quarts of this product per acre by ground. Do not apply to cotton grown for seed, as a reduction in germination or vigor may occur.

GRASS SEED CROPS

ETK-2301™ may be applied before, during or after planting or renovation of turf or forage grass areas grown for seed production. Apply ETK-2301™ to actively growing weeds at the stages of growth recommended in the WEEDS CONTROLLED section of this label. Applications **MUST** be made prior to emergence of the crop to avoid crop injury. For maximum control of existing vegetation, delay planting to determine if any regrowth from escaped underground plants occurs. Where repeat treatments are necessary, sufficient regrowth must be attained prior to application. For warm-season grasses, such as bermudagrass, summer or fall applications provide best control.

Do not disturb soil or underground plant parts before treatment. Tillage or renovation techniques such as vertical mowing, coring or slicing should be delayed for 7 days after application to allow proper translocation into underground plant parts.

Spot Treatments - Apply ETK-2301™ in a 2.5% solution prior to heading of grasses. Do not treat more than 10% of the total field to be harvested. The crop receiving the spray in the treated areas will be killed. Avoid drift or spray outside the target areas as contacted vegetation may be injured.

Do not feed or graze treated areas for 8 weeks following application.

PASTURES

ETK-2301™ may be applied prior to planting or emergence of forage grasses and legumes. ETK-2301™ may also be used to control perennial weeds listed on this label prior to replanting. Remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

Spot Treatments - ETK-2301™ may be applied as a spot treatment in pastures. Applications may be made in the same area at 30 days intervals. Apply only in areas where the movement of livestock can be controlled. Do not treat more than 10% of the area at one time. Remove domestic livestock before application and wait 14 days after application before grazing livestock or harvesting.

PEANUTS

ETK-2301™ may be applied before, during or after planting peanuts, but prior to emergence of the crop.

Broadcast Applications - ETK-2301™ may be applied using ground spray equipment. For ground applications with broadcast equipment, apply ETK-2301™ plus 0.25 to 1.0 percent surfactant by total spray volume in 10 to 40 gallons of water per acre. When applying ETK-2301™, refer to the "WEEDS CONTROLLED" section of this label and to the specific recommendations in this section for rates to be used.

PEPPERMINT, SPEARMINT

ETK-2301™ may be applied as a spot treatment in peppermint and spearmint. Apply spray-to-wet with hand held or motorized equipment used to direct the spray solution on to a limited area.

Allow at least 7 days between application and harvest. Additional applications may be made in the same area at 30 day intervals. Do not treat more than 10% of the total field at any one time. The crop receiving spray in the treated area will be killed. Avoid drift or spray outside the target area.

TREE FRUIT, TREE NUT AND VINE CROPS

Apple, Apricot, Cherry, Grapes, Nectarine, Olive, Peach, Pear, Plum, Plumcot, Prune

Almonds, Beechnut, Brazil Nut, Butternut, Cashew, Chestnut, Filbert (Hazelnut), Hickory Nut, Macadamia Nut, Pecan, Pistachio, Walnut

ETK-2301™ is recommended for weed control in established tree fruit and tree nut orchards and vineyards or for site preparation prior to transplanting crops listed in this section. Allow a minimum of 3 days between application and transplanting. Applications may be made with boom equipment, shielded sprayers, hand-held and high-volume wands, or lances. See the "APPLICATION METHODS" section of this label for specific information on use of equipment.

When applying ETK-2301™, refer to the "WEEDS CONTROLLED" section of this label and to the specific recommendations in this section for rates to be used.

NOTE: Repeat treatments may be necessary to control weeds originating from underground parts of untreated weeds or from seeds. ETK-2301™ does not provide residual weed control. For subsequent weed control, use repeated applications. Reduced control may result when applications are made to annual or perennial weeds that have been mowed, grazed or

16/19

cut and have not been allowed to regrow to the recommended stage for treatment. For grapes, applications should not be made when green shoots, canes or foliage are in the spray zone.

Do not apply more than 26.5 quarts of this product per acre per year. Allow a minimum of 1 day between last application and harvest for Apple and Pear. Allow a minimum of 3 days between last application and harvest for Almonds, Beechnut, Brazil Nut, Butternut, Cashew, Chestnut, Filbert (Hazelnut), Hickory Nut, Macadamia Nut, Pecan, Pistachio, and Walnuts. Allow a minimum of 14 days between last application and harvest for grapes. Allow a minimum of 17 days between last application and harvest for Apricot, Cherry, Nectarine, Olive, Peach, Plum, Plumcot, and Prune.

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

For specific rates of applications and instructions, see the "WEEDS CONTROLLED" section of this label, and specific recommendations which follow.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF HERBICIDE SOLUTION, SPRAY, DRIFT, OR MIST WITH FOLIAGE OR GREEN BARK OF TRUNK, BRANCHES, FRUIT, OR OTHER PARTS OF TREES. CONTACT OF ETK-2301™ WITH OTHER THAN MATURED BROWN BARK CAN RESULT IN SERIOUS CROP DAMAGE.

Restrictions On Application Equipment

For cherries, any application equipment listed in this section may be used in all states.

Any application equipment listed in this section may be used in apricots, nectarines, peaches, and plums/prunes growing in Arizona, Colorado, Idaho, Kansas, Kentucky, New Jersey, North Dakota, Oklahoma, Oregon, Texas, Utah and Washington, except for peaches grown in the states specified in the following paragraph. In all other states use wiper equipment only.

For PEACHES grown in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, and Tennessee only, apply with a shielded boom sprayer, which prevents any contact of this product with the foliage or bark of trees. Apply no later than 90 days after first bloom. Applications made after this time may result in severe damage. Remove suckers and low-hanging limbs at least 10 days prior to application. Avoid applications near trees with recent pruning wounds or other mechanical injury. Apply only near trees which have been planted in the orchard for 2 or more years. EXTREME CARE MUST BE TAKEN TO ENSURE NO PART OF THE PEACH TREE IS CONTACTED.

OLIVES

For olives, apply as a post-directed spray only.

MIDDLES MANAGEMENT

FOR ANNUAL WEEDS IN MIDDLES BETWEEN ROWS OF CITRUS, TREE FRUITS, TREE NUTS, AND VINE CROPS

ETK-2301™ plus GOAL 2 XL

ETK-2301™ alone or in mixtures with Goal 2 XL will control or suppress the annual weeds listed below.

Apply the recommended rates of ETK-2301™, either alone or in mixtures with Goal 2 XL, plus 0.25 to 1 percent surfactant by spray volume in 5 to 20 gallons of water per acre. Apply when weeds are actively growing and less than 6 inches in height or diameter. If weeds are under drought stress, irrigate prior to application. For citrus crops treat uniformly between trees.

Reduced control may occur if weeds have been mowed prior to application. Up to 3 quarts per acre of ETK-2301™ may be used to control weeds, which have been mowed, are stressed, or are growing in dense populations. For citrus crops treat uniformly between trees.

WEED SPECIES	MAXIMUM HEIGHT/ DIAMETER INCHES	RATE PER ACRE	
		ETK-2301™ FLUID OUNCES	GOAL FLUID OUNCES
Barley, foxtail	6	16	—

Bluegrass, annual

Barnyardgrass	6	24	-
---------------	---	----	---

Chickweed, common

Red Maids

Crabgrass	6	32	-
-----------	---	----	---

Digitaria spp.

Fleabane, hairy		32 to 64	+ 3 to 12**
-----------------	--	----------	-------------

Groundsel, common

Junglerice

Lambsquarters, common

Rocket, London

Ryegrass, common

Shepherdspurse

Sowthistle, annual

Pigweed, redroot	6	3 qts.	3 to 12
------------------	---	--------	---------

	12	4 qts.	3 to 12
--	----	--------	---------

Cheeseweed, common	3	24 to 64	+ 3 to 12
--------------------	---	----------	-----------

Malva spp.			
------------	--	--	--

Cheeseweed, common	6	32 to 64	+ 3 to 12
--------------------	---	----------	-----------

Malva spp.			
------------	--	--	--

Filaree*

Erodium spp.

Horseweed/Marestail

Nettle, stinging

Purselane, common*

* Suppression only

** The mixture of this product plus Goal 2 XL is recommended when weeds are stressed or growing in dense populations.

TROPICAL CROPS

Avocado, Banana, Coffee, Dates, Figs, Guava, Papaya, Passion Fruit, Persimmon, Pineapple, Plantain

ETK-2301™ is recommended for general weed control or for site preparation prior to transplanting crops listed in this section. In coffee and banana, delay applications for 3 months after transplanting to allow new coffee or new banana plants to become established. Allow a minimum of 28 days between last application and harvest for coffee. Allow a minimum of 1 day between last application and harvest for banana, guava, papaya, and plantain. Allow a minimum of 14 days between last application and harvest for avocado, dates, figs, passion fruit, and persimmon. Do not feed or graze treated pineapple forage following treatment.

Applications may be made with boom equipment, shielded sprayers, hand-held and high-volume wands, or lances. See the "APPLICATION METHODS" section of this label for specific information on use of equipment.

When applying ETK-2301™, refer to the "WEEDS CONTROLLED" section of this label and to the specific recommendations in this section for rates to be used.

FALLOW AND REDUCED TILLAGE SYSTEMS

Use ETK-2301™ in fallow and reduced tillage systems for control of annual weeds prior to emergence of crops listed in this label. Refer to the "WEEDS CONTROLLED" section of this label for specific rates and instructions. This product may be applied using ground or aerial spray equipment. See the "APPLICATION METHODS" section of this label for instructions.

TANK MIXTURES

These tank mixtures are recommended for use in fallow and reduced tillage areas only. Follow use directions as given in the "LOW-VOLUME BROADCAST APPLICATION" section.

ETK 2301™ plus 2, 4-D ester

ETK-2301™ plus 2,4-D ester will control the annual grasses and broadleaf weeds listed for this product alone at the indicated heights (except 16 fluid ounces per acre application), plus the following broadleaf weeds. For those weeds previously listed at 16 fluid ounces ETK-2301™ alone per acre, use 24 fluid ounces in this tank mixture.

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

Cocklebur (12")	Morningglory (6"),
Kochia (6")	<i>Ipomea spp.</i>
Lambsquarters (12")	Pigweed, redroot (12")
Lettuce, prickly (6")	Pigweed, smooth (12")
Marestail/Horseweed (6")	Thistle, Russian (12")

Apply 32 fluid ounces of this product plus 0.5 pound a.i. of 2,4-D ester, plus 0.25 to 1 percent surfactant by total spray volume per acre to control the following annual broadleaf weeds when less than 6 inches in height.

Ragweed, common
Ragweed, giant
Smartweed, Pennsylvania
Velvetleaf

Applications with 2,4-D ester must be made at least 7 days prior to planting corn.

Refer to the 2,4-D label for cropping restrictions and other use instructions.

ETK-2301™ plus GOAL 2 XL

ETK-2301™ applied alone or in tank mixtures with Goal 2 XL plus 0.25 to 1 percent surfactant by total spray volume will provide control of those weeds listed below.

18/19

Make applications when weeds are actively growing and at the recommended stages of growth. Avoid spraying when weeds are subject to moisture stress, when dust is on the foliage or when straw canopy covers the weeds.

ETK-2301™ 24 fluid oz/acre ETK-2301™ 32 fluid oz/acre

Wheat	18"	Annual grasses at left plus:	
Barley	12"	Ryegrass, annual	6"
Bluegrass, annual	6"	Chickweed	6"
Barnyardgrass	6"	Groundsel	6"
Rye	6"	Marestail	6"
		Rocket, London	6"
		Shepherdspurse	6"
		Crabgrass	12"
		Johnsongrass, seedling	12"
		Lambsquarters	12"
		Oats, wild	12"
		Mustards	12"

ETK-2301™ 24 fluid oz/acre + GOAL 2 XL** 2 to 4 fluid oz/acre	ETK-2301™ 32 fluid oz/acre + GOAL 2 XL** 2 to 4 fluid oz/acre
Annual grasses above plus:	Annual weeds above plus:
Cheeseweed, common 3"	Cheeseweed, common 6"
Chickweed 3"	Groundsel 6"
Groundsel 3"	Chickweed 12"
Rocket, London 6"	Rocket, London 12"
Shepherdspurse 6"	Shepherdspurse 12"

Note: Use 2 quarts of this product per acre in mixtures with 2 to 4 fluid ounces of Goal 2 XL per acre where heavy weed densities exist.

* Maximum height or length in inches.

** Use the higher rate of Goal 2 XL when weeds approach maximum recommended height or stands are dense.

These recommended tank mixtures may be applied using ground or aerial spray equipment. Refer to the "WEEDS CONTROLLED" section of this label for specific rates and instructions.

ECOFARMING SYSTEMS

The Ecofarming System consists of the following rotation: winter wheat, corn/sorghum, and ecofallow.

Use the following tank mixture of products for control of emerged annual weeds before planting corn or sorghum in the Ecofarming System.

**ETK 2301™ at 32 to 48 fluid ounces per acre
plus
2,4-D at 0.375 to 0.5 pound a.i. per acre
plus
ATRAZINE at 0.75 to 1 pound a.i. per acre
plus
ALACHLOR at 2.5 to 3 pounds per acre**

The above tank mixture of products should be applied at 20 to 30 gallons spray volume per acre.

WEEDS CONTROLLED – The following weeds, up to a maximum height of 4 inches, will be controlled:

Brome, downy	Lettuce, prickly
Cheat	Pigweed, redroot
Foxtail, green	Thistle, Russian
Foxtail, yellow	Wheat, volunteer
Kochia	

Applying this treatment at least 14 days before planting can reduce risk of crop injury from 2,4-D.

Refer to the appropriate label booklet for Alachlor herbicide for pre-emergence weed control achieved by this tank mixture.

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

AID TO TILLAGE

ETK-2301™, when used in conjunction with preplant tillage practices, will provide control of downy brome, cheat, volunteer wheat, tansy mustard and foxtail. Apply 16 fluid ounces of this product plus 0.25 to 1 percent surfactant by total spray volume in 5 to 15 gallons of water per acre. Make applications when weeds are actively growing and before they are 6 inches in height. Application must be followed by conventional tillage practices no later than 15 days after treatment and before regrowth occurs. Allow at least 1 day after application before tillage. Tank mixtures with residual herbicides may result in reduced performance.

CONSERVATION TILLAGE, MINIMUM TILLAGE, AND NO-TILL SYSTEMS

CORN AND SOYBEANS

ETK-2301™ does not provide residual soil activity. Tank mixtures of ETK-2301™ may be used to increase the spectrum of weed control. When tank mixing, read and carefully observe all label claims; cautionary statements, and all information on the labels of both products used. Observe the most restrictive label statements of various tank mix products used. Make sure that the tank mix product is approved for corn and/or soybean use prior to planting the desired species.

Apply these tank mixtures in 10 to 20 gallons of water. Do not apply these mixtures after crop emergence.

When tank mixing with residual herbicides, add an agriculturally approved nonionic surfactant at 0.25 to 1 percent by volume of spray solution.

Note: When using these tank mixtures, do not exceed 8 quarts of this product per acre.

NONCROP USES

19/19

FARMSTEAD WEED CONTROL

ETK-2301™ will suppress perennial grasses along farm ditches. Apply ETK-2301™ at a rate of 1 pint per acre in 10 to 20 gallons of water per acre to actively growing perennial grass covers. For best spray distribution and coverage, use flat fan nozzles.

CONSERVATION RESERVE PROGRAM (CRP)

ETK-2301™ may be used to suppress competitive growth and seed production of undesirable vegetation in CRP acres. Applications may be made as a broadcast or spot treatment to dormant CRP grasses. For selective applications with broadcast spray equipment, apply 1.5-2.0 pints of ETK-2301™ per acre in the early spring before desirable CRP grasses, such as crested and tall wheatgrass, break dormancy and initiate green growth. Late fall applications can be made after desirable perennial grasses have reached dormancy.

Note: Some stunting of CRP perennial grasses will occur if broadcast applications are made when plants are not dormant.

FORESTRY SITE PREPARATION AND RIGHTS OF WAY

ETK-2301™ is recommended for the control or partial control of woody brush, trees, and herbaceous weeds in forestry site preparation and utility sites, including electric power, pipeline and telephone rights of way, and substations. Susceptible woody brush species include blackberry, dewberry, and multiflora rose. Refer to the "WEEDS CONTROLLED" section of this label for additional annual and perennial weed species.

Apply ETK-2301™ at the rate of 2.5 to 12 quarts per acre plus 0.25 to 1.0 percent surfactant by total spray volume in 5 to 30 gallons of water per acre by air or 10-60 gallons of water per acre using ground equipment. Use higher rates of ETK-2301™ for control or partial control of woody brush, trees, and hard-to-control perennial weeds. For best results, apply to actively growing woody brush and trees after full leaf expansion and before fall color and leaf drop. Increase rates within the recommended range for control of perennial weeds any time after emergence and before seedheads, flowers, or berries appear. Apply to the foliage of actively growing annual weeds any time after emergence.

ETK-2301™ does not provide residual soil activity. Tank mixtures of ETK-2301™ may be used to increase the spectrum of weed control. When tank mixing, read and carefully observe all label claims; cautionary statements, and all information on the labels of both products used. Observe the most restrictive label statements of various tank mix products used. Make sure that the tank mix product is approved for forestry site preparation prior to planting the desired species.

Where repeat applications are necessary, do not exceed 25 quarts of ETK-2301™ per acre per year.

Note: ETK-2301™ is recommended for aerial application by helicopter only in forestry sites and utility rights of way. Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense fine droplets. AVOID DRIFT – DO NOT APPLY DURING INVERSION

CONDITIONS, WHEN WINDS ARE GUSTY, OR UNDER ANY OTHER CONDITION WHICH WILL ALLOW DRIFT.

ORNAMENTALS, NURSERY STOCK, CHRISTMAS TREE PLANTINGS

Site Preparation

ETK-2301™ may be applied prior to planting any ornamental, nursery stock or Christmas tree species. Refer to "WEEDS CONTROLLED" section of this label for annual and perennial weed species.

Post Directed Applications

ETK-2301™ may be applied as a post-directed spray around established woody ornamental species such as arbovitae, azalea, boxwood, crabapple, euonymus, fir, douglas fir, jojoba, hollies, lilac, magnolia, maple, oak, privet, pine, spruce, and yew. ETK-2301™ may be applied to trim and edge around trees, buildings, roads, and other objects in a nursery setting. Desirable plants may be protected from spray solution using shields or coverings made of impervious material. ETK-2301™ IS NOT RECOMMENDED FOR USE AS AN OVER-THE-TOP BROADCAST SPRAY IN ORNAMENTALS AND CHRISTMAS TREES. Care must be taken to avoid contact of spray, drift or mist with foliage or green bark of established ornamental species.

TRADEMARKS

ETK-2301™ is a trademark of Entek Corp.
Solicam® is a registered trademark of Novartis Corp.
Frontier® is a registered trademark of BASF Corp.
Canopy® and Gemini® are registered trademarks of E.I. Du Pont de Nemours & Co., Inc.
Command® is a registered trademark of FMC.
Surflan® and Tordon™ are trademarks of Dow Agro Sciences.
Goal® 2 XL is a registered trademark of Rohm & Hass Co.
Pursuit®, Pursuit Plus™, Raptor®, Scepter®, and Squadron® are registered trademarks of American Cyanamid Co.