11.1 -

RESTRICTED USE PESTICIDE

(GROUND WATER LONGERED) FOR RETAIL GALL TO AND USE ONLY BY CERTIFIED APPLICATORS OF TERSONS UNDER THEIR DIRECT CONTRUISION, AND ONLY FOR THOSE USES COVERED BY THE CEPTIFIF; APPLICATOR (CATE A. IT ICALIONS.

THIS PRODUCT IS A RESTRICTED USE MERBICIDE DUE TO GROUND WATER CONCERNO. USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS OND INSTRUCTIONS FOR USC IN ORDER TO MINIMIZE POTENTIAL FOR ASMAZING TO REACH GROUND WATER.

Farmland

TPA Est. No.32741-MO 3 TPA Reg. No. 1990-361

LIQUID ATRAZINE

4 L

Herbicide -- for season-long weed control in corn and sorghum

ACTIVE INGREDIENTS:

40.8% Atrazine: 2-chloro-4-ethylamino-6-isopropylamino-s-triazine.... 2.2% INERT INGREDIENTS....... 57.0% 100.0% TOTAL........

Liquid Atrazine 4L contains 4 lbs. active ingredients per gal.

Shake well before using

KEEP OUT OF REACH OF CHILDREN CAUTION

ECAUCION AL USUARIO:Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

See inside of booklet for additional precautionary statements and directions for use.

NET CONTENTS 2 1/2 GALLONS

Manufactured by FARMLAND INDUSTRIES, INC. Kantas City, Missouri 64116 Revision Date 5-1-90

ACCEPTED 7 Under no Faderia lina batifit. Funge da, and Rodenticide Act. as gmended, for the

STOP READ ALL DIRECTIONS FOR USF AND PRECAULIONS USING.

PRECAULIONARY SINTEMENTS Statement of Practical Treatment

FIRST AID PROCEDURES

If poisoning is suspected, do not wait for symptoms to develop. Immediately begin the recommended procedures below. Contact a physician, the nearest hospital or the nearest Poison Control Center. Tell the person contacted the type and amount of exposure, describe the symptoms and follow the advice riven.

<u>i. SWALLOWED:</u> Drink 1 or 2 glasses of water and induce vomiting by touching 1 e back of throat with finger, or, if available, by administering Syrup of induce vomiting or give anything by mouth to an unconscious person.

ON SKIN: Immediately remove contaminated clothing, wipe away excess material from the skin. Wash with plenty of soap and water. Do not attempt to neutralize with chemical agents. If irritation occurs, obtain medical advice. IN EYES: Immediately flush the eyes with large amounts of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyes and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention if irritation occurs.

<u>IF INHALED</u>: Remove from contaminated atmosphere. If symptoms appear or person is unconscious, get medical attention.

Hazards to Humans and Domestic Animals CAUTION KEEP OUT OF REACH OF CHILDREN

rmful or fatal if swallowed. Do not get in eyes. Avoid contact with skin, inhalation of vapors or spray mist and contamination of food and feed.

USER - PROTECTION 3.4

Users are required to wear long sleeve shirts and long pants or equivalent, chemical resistant gloves, and boots (waterproofed). In addition, persons involved in mixing/loading operations are required to use chamical resistant gubber or neoprene gloves and a face shield or goggles.

Environmental Hazards

GROUNDWATER PROTECTION: Atrazine can travel (seep or leach) through soil and can enter groundwater which may be used as drinking water. Atrazine has been found in groundwater. Users are advised not to apply Atrazine to sand and loamy sand soils where the water table (groundwater) is close to the surface and where these soils are very permeable, i.e., well-drained. Your clocal agricultural agencies can provide further information on the type of soil in your area and the location of groundwater. [Ground water contamination:may.:be reduced by diking and flooring of permanent liquid bulk storage sites: without the product may not be mixed/loaded, or used within: 50% feet of all wells including abandoned wells, drainage wells, and sink*holes.

FISH AND WILDLIFE HAZARDS: This pesticide is too to aquatic invertebrates. Do not apply directly to water or wetlands. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by creaning of equipment or discosal of wastes.

DIRECTIONS FOR USE

It is a violation of FEDFRAL LAW to use this moduct in a manner inconsistent with its labeling.

RELIGIAY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Protective clothing consists of long-sleeved shirt, long pants, gloves, hat and shoes.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. All v rkers not directly involved with the application of this product must be romoved from the area to be treated. All other workers must be informed the area which is to be treated and informed not to enter the area without the proper protective clothing listed above until such time as the spray has dried. In the event a worker is exposed to this product, he should inform his supervisor immediately of the type of exposure in order that proper protective treatment may be given. When oral warnings are given, warnings shall be given in a language customarrly understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "CAUTION: Area treated with Atrazine on (insert date of treatment). Do not enter without appropriate protective clothing until spray has dried. In case of accidental exposure, inform supervisor immediately." STORAGE AND DISPOSAL

Storage

KEEP THIS MATERIAL OUT OF THE REACH OF CHILDREN.

ore only in the original container with cap securely tightened. Containers must be stored in a cool, dry, well-ventiliated area. Store away from food, eds and fertilizers. Do not contaminate water, food or feed by storage or disposal.

Spill or Leak Procedures: In the event of a spill or leak, make sure all personnel involved in spill cleanup follow good industrial hygiene practices. Small spills can be handled routinely. Cover the spill with an absorbent material such as vermiculite or sawdust to prevent dust. Sweep up the material and place in an appropriate chemical waste container. Seal container and dispose of according to "Pesticide" disposal instructions below. Wash the spill area with a saturated solution of sodium carbonate and a styony detergent. Flush the spill area with water to remove any residue.

Disposal

<u>Containers:</u> Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfull, principeration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

<u>Pesticide:</u> Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONDITIONS OF SALE AND WARRANTY

Conditions of Sale: This product is sold subject to and buyer and users are deemed to have accepted the terms contained in the CONDITIONS OF SALE AND WARRANTY, DIRECTIONS FOR USE AND PRECAUTIONARY STATEMENTS, which may be varied

only be agreement in writing by a duly authorized representative of FARMLAND INDUSTRIES, INC.

Inherent Risks: The directions for use of this product reflect the opinion of experts based on field use and tests. The directions we believed so be reliable and should be followed rerefully. However, it is impossible to eliminate all misks inherently associated with use of this product. Grop injury, ineffectiveness or other unintended consequences may result because of such factors a presence of other materials or use of the product is a bonney of account.

with its labeling, all of which are beyond the control of FARMLAND INDUSTRIES, INC., or the seller. All such risks shall be assumed by the buyer. Warranty Limitations: FARMLAND INDUSTRIES, INC., warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the DIRECTIONS FOR USE, subject to the inherent risks referred to above. FARMLAND INDUSTRIES, INC. MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESSED OR

Limitation of Liability: In no case shall FARMLAND INDUSTRIES, INC., or the lier be liable for consequential, special or indirect damages resulting something of this product. No claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.

DO NOT REUSE EMPTY CONTAINER.

APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

ATRAZINE 4L herbit ide will control and, annual broadleaf and grass weeds to corn and soudded including barnyond grass, wit high a (Panicum capillate), yethou refull, graen fortail, wild outs, large (bairs) crabgrass, grant fortail, volvetleaf, maining-glory, lambagearters, or gweed, ragweed, highlibade purchase and no tred. Minazine may be applied before or after weeds emerge. The continuous use of this product and other strazines may cause the development of brotype, of grasses and broadleaf weeds that count be effectively control(ed. Where this is known or suspected. ATRAZINE 4L should be either tank mixed with or used in conjunction with a registered grass herbicide approved for use with Atrazine which is not in the triazine class of chemicals. Read and follow all directions for use and precautions on the labels of products to be tank mixed with Atrazine. Consult your State Extension Service for specific recommendations for your area.

In each case where a range of rates is given, the lower rate should be used on coarse-textured soils and soils low in organic matter, and the higher te should be used on fine-textured soils and soils high in organic matter. Since Atrazine acts mainly through root absorption, its effectiveness depends rainfall or irrigation to move it into the root zone. Should weeds develop,

rainfall or irrigation to move it into the root zone. Should weeds develop a shallow cultivation or rotary hoeing will generally result in better weed control.

Care should be taken to avoid using Atrazine where adjacent desirable trees, shrubs or plants might be injured.

NOTE: FARMLAND INDUSTRIES, INC., does not recommend the use of ATRAZINE 4L in combination with other herbicides or oils except as specifically described on the label.

APPLICATION PROCEDURES

Ground Application: For the most uniform distribution of broadcast applications, use 80 degrees flat fan-type nozzles. For band applications, use flat fan even-spray nozzles. Screens and strainers should be no finer than 50 mesh. Use a pump with capacity to (1) provide sufficient hydraulic agitation during mixing and application to keep the material in suspension and (2) maintain 30-40 psi operating pressure. Unless otherwise specified, use a minimum of 5 gallons of wate

r acre for preplant incorporated, pre-emergence and post (without oil or surfactant) application. Use a minimum of 10 gallons of water per acre

r all postemergence applications combined with oil or surfactant.

For band applications, calculate the amount to be applied per acre as follows: Band width in inches Rate/A for Amount needed for Row width in inches X Broadcast Treatment = Band Treatment Aerial Application: For preplant and pre-emergence broadcast treatments, apply at a 1:1 ratio of ATRAZINE 4L to water (example: recommendation calls for 1 quart of product and is mixed with 1 quart of water) to be applied per acre. For postemergence treatments, apply the recommended rate of ATRAZINE 4L plus oil in a minimum of 2 gallons of water per acre. Avoid applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. The above water volumes are the minimum to be apolied per acre ATRAZINE 4L in Water Applications: ATRAZINE 4L, a liquefied formulation, should be mixed with water and applied as a spray. Pour ATRAZINE 4L into the tank during or after filling. Hydraulic (jet) or mechanical agitation is recommended during mixing and application to keep the material in suspension. return lines to the tank must discharge below liquid level and agitabion should not be so violent as to cause air bubbles to form in the liquid. Wash sprayer thoroughly after use.

ATRAZINE 4L in Liquid Fertilizer Applications: Nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier for prememergence and preplant applications of ATRAZINE 4L. Mixing should be

BEST AVAILABLE EURY

ecomplished as described under water applications. Do not apply after corn or soughum has emerged to there is danger of liquid tertilizers constitution, indexe.

ATRAZINE 4L Plus Emulsifiable Oil in Water Applications: The addition of oil to postemergence Atrazine in water sprays may speed the activity of Atrazine and provide quicker fill of weeds. However, under certain conditions, the use of oil may seriously demage corn or sorghum. To minimize the possibility of damage, follow the directions, procedure, and precautions given below. For combining with strazine, use a crop oil designated for use with itrazine containing 1-2% suitable emulsifier. Several oils of this type are on the market. Oils contaminated with water or other materials can cause compatibility problems and/or crop injury.

Mixing procedures:

- (1) Thoroughly clean sprayer prior to use. Do not use sprayer contaminated with 2,4-D or other materials as crop damage or sprayer clogging may result.
- (2) Fill spray tank one-half to two-thirds full of clean water.
- (7) With the agitation system in operation, add the Atrazine.
- (.) Add the emulsifiable oil last.
 -) Empty the tank as completely as possible before refilling to prevent a buildup of oil in the tank. Keep the agitation system in operation to avoid a separation of the oil from the water in the spray mixture still remaining in the tank.
- (6) If an oil film starts to build up in the tank, drain the tank and clean out with a strong detergent solution or solvent.
- (7) Clean the sprayer thoroughly immediately after using by flushing the system with water containing a detergent.

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

DIRECTIONS FOR USE

Corn: ATRAZINE 4L may be applied either before planting, at planting or after anting as indicated below.

Preplant (Broadleaf and Grass Control): Broadcast in the spring after plowing the rate indicated in Table 1. Application may be made before, during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation of ATRAZINE 4L. Best results have been obtained when ATRAZINE 4L is applied within two weeks prior to planting.

Pre-emergence (Broadleaf and Grass Control): Apply during or shortly after planting prior to weed emergence at the rate indicated in Table 1. Postemergence (Broadleaf and Grass Control): Apply before weeds exceed 1.5 inches in height at the rate indicated in Table 1. Postemergence application must be made before corn reaches 12 inches in height.



TABLE 1 For Control of Broadleaves and Grasses (1)

Soil Texture

ATRAZINE 4L Broadcast Rate/A

Come of the three could sands, loomy sands and sandy looms Medium-tertured soils: silt and clay looms that are low in organic and for

4.75 oints

Fine-textured soils: Rilt and clay loams with medium to high organic matter and clays (including the dark prairie

6 pants

soils of the Corn Belt)

Peats, muck and high organic clays (apply Postemergence only) — 6 pints

(1) For preplant or pre-emergence applications (western Kansas, western Nebrasis eastern Colorado, eastern Wyoming, New Mexico, western Texas and the Panhandle of Oklahoma): on sands, loamy sands, sandy loams, mild to strong alkaline soils and all recently leveled soils, apply 2.4 pints per acre for broadleaf weed control. Many broadleaf weeds including pigweed, lambsquarters, nightshade, purslane and kochia will be controlled. On other soil types in the areas above, make applications at the rate shown in Table 1 for broadleaf and grass control.

Lay-By Treatment (Broadleaf and Grass Control): Broadcast 2-4 pints per acre in a minimum of 5 gallons of water in nitrogen solution before weeds are 1.5 inches high and the corn is 12 inches high maximum. When nitrogen solutions are used, direct the spray to the lower 3-4 inches of cornstalks to avoid corn foliage injury. Agitation in the spray tank during application is essential. Postemergence Broadleaf and Grass Weed Control with ATRAZINE 4L Plus Emulsifiable Oil in Water: Broadcast 4 pints per acre after weed emergence, but before weeds reach 1.5 inches in height and before corn reaches 12 inches in height. Add emulsiable oil at the rate of 1 gallon per acre for ground applications and one-half gallon per acre for aerial applications.

Postemergence Broadleaf Weed Control with ATRAZINE 4L Plus Emulsifiable Oil in Water: Broadcast 2.4 pints per acre for control of many broadleaf weeds includin annual morning-glory, cocklebur, lambsquarter, mustard, pigweed, ragweed, smart- end and wild buckwheat. Application should be made before pigweed and lambs-quarters reach 6 inches in height and before all other weeds reach 4 inches

height and **before corn reaches 12 inches in height.** Add emulsifiable oil at the rate of 1 gallon per acre for ground applications and one-half gallon per acre for aerial applications. A cultivation may be necessary if all weeds are not controlled or if re-growth of weeds occurs.

Pracautions for Applications of ATRAZINE 4L Plus Emulsifiable Oil in Water to Corn:

- (1) Do not use oil in Atrazine sprays when crop is under Stress from prolonged cold, wet weather, poor fertility, or other factors, or when crop is wet and succulent from recent rainfall as crop injury may scour.
- (2) Do not use oils in sprays when treating inbred lines or any breeding stock as injury may occur.
- (3) Adding other insecticides, herbicides, liquid fertilizers or other materialis not recommended with Atrazine and emulsifiable oil in water because they may cause compatibility problems or crop injury.
- (4) Store and handle emulsifiable oil carefully. Oil contaminated with even a small amount of water may not emulsify properly when added to the tank.
- (5) Do not make more than one application of Atrazine and emulsifiable oil in water per season (except as recommended for control of yellow nutsedge and Canada thistle on this label).

PROBLEM WEEDS

For Control of Yellow Nutsedge and Canada Thistle: ATRAZINE 4L will control yellow nutseage (Cyperus equilentus) and Canado thistle (Circium arvense) when oprized according to directions. For best results, (TRAZINE 4L doubt be used each year until yellow nutseage or Canada thistle is aliminated or reaches a leve confectation where neither weed species is a problem. If resprewth of yellow nutseage or Canada thistle occurs following application of Atrazine during the season, cultivate once. When ATRAZINE 4L is applied postemergence to the weeds, i gallon of emulsifiable crop oil should be added per acre. For control of yellow nutseage and Canada thistle with ATRAZINE 4L, several alternative methods of use are available. These methods are listed in order of preference below. If other weed species, such as annual grasses, are also expected, use an alternative method that includes a preplant or pre-emergence treatment plus a postemergence combination with emulsifiable oil or apply all the ATRAZINE 4L preplant or pre-emergence.

PROBLEM WEEDS (CONT'D)

- (1) projected pints of ATRAZINE 4L plus 1 gallon amulsifiable oil per accompliant the stop has omerged and after vellow nutsedge or Canada Phistle plants emorge, but before yellow nutsedge plants reach a height of 3 inches or Canada thistle plants reach a height of 6 inches. Follow with a second application of 3 pints of ATRAZINE 4L plus 1 gallon of oil per acre 10 20 days but prior to lay-by (12 inches) after the initial application has been made. *
- (2) Broadcast 3 pints of ATRAZINE 4L per acre preplant. Follow with an application of 3 pints of ATRAZINE 4L plus 1 gallon of oil per acre after the corn and weeds emerge, but before yellow nutsedge plants reach a height of 3 inches (for nutsedge control only).
- (3) Broadcast,3 pints of ATRAZINE 4L per acre during or shortly after planting, but prior to crop or weed emergence. Follow with an application of 8 pints of ATRAZINE 4L plus 1 gallon of oil per acre after the corn and weeds emerge, but before yellow nutsedge plants reach a height of 3 inches or Canada thistle plants reach a height of 6 inches.
- (+) Broadcast prints of ATRAZINE 4L plus one gallon of oil per acre after the crop has emerged but prior to lay-by (*2*Inches) and after yellow nutsedge and Canada thistle plants emerge, but before yellow nutsedge reaches a height of 3 inches or Canada thistle is more than 6 inches tall.
- (5) Broadcast ★6 pints of ATRAZINE 4L per acre preplant (for yellow nutsedge control only).
- (6) Broadcast-6 pints of ATRAZINE 4L per acre during or shortly after planting, but prior to crop or weed emergence (for yellow nutsedge control only).

 NOTE: Oil should not be used in Atrazine sprays when corn is wet or under stress, especially when a sing 6 pints of ATRAZINE 4: per acre. See precaution

stress, especially when sing of pints of ATRAZINE 4L per acre. See precaution section under Postemergence Applications of ATRAZINE 4L Plus Emulsifiable Oil in Water on Corn for additional directions.

For Quackgrass Control on Land Going into Corn Production: Application is restricted to spring only. No fall applications are permitted. Broadcast 6 pints per re in the spring. Plow 1-3 weeks after applications.

lank-Mixtures with ATRAZINE 4L on Corn: ATRAZINE 4L Plus Paraquat CL -- For ntrol of existing vegetation and residual control where corn will be planted directly into a cover crop, established sod or in previous crop residues: Broadcast 4-6 pints ATRAZINE 4L and 1-2 pints Paraquat CL per acre in 20-60 gallons of water per acre. Add 8 ounces of non-ionic surfactant per 100 gallons of dilute spray. Add ATRAZINE 4L to spray tank first and thoroughly mix with water. Add the Paraquat and surfactant last.

Refer to the Paraquat CL label for further directions, limitations and cautions. ATRAZINE 4L Plus Alachlor EC: Use a tank-mixture of ATRAZINE 4L Plus Alachlor 4EC for the control of many annual broadleaf and grass weeds in corn (field and silage corn only) including annual morning-glory, barnyard grass, black nightshade, Brachiaria, buttonweed (velvetleaf), carpetweed, cocklebur, crabmightshade, Brachiaria, buttonweed, giant foxtail, green foxtail, yellow foxtail, goosegrass, lambsquarters, pigweed, purslane, mustard, common magweed, smartweed and witchgrass.

Make applications at the rates indicated in Table 2. For preplant applications, apply within 7 days of planting and incorporate to a depth of 2-3 inches. For pre-emergence applications, apply to the soil surface after planting, but before the crop or weeds emerge. For postamergence treatments, make applications until weeds reach the two-leaf stage, and the corn is no more than 3 inches tall

TABLE 2

Tank-mixtures of ATRAZINE 4L plus Alachlor 4EC on Corn (Field and Silage Only) Broadcast Rate Per Acre

	Less than 3% organic matter		More than 3% organic matter	
Lic	quid Atrazine	Alachlor 4EC	Liquid Atrazine	Alachlor 4E
Soil Texture	(pts./A)	(qts./A)	(pts./A)	(qts./A)
Light sandy soils	s 2 ·	1.5	2	1.5
Silt loam soils	2 to 2.4	1.5 to 1.75	2 to 2.4	1.75 to 2
Heavy clay soils	2.4 to 3.2	2 to 2.5	2.4 to 3.2	2 to 2.5

Precautions for all Applications to Corn

(1) The maximum application rate for corn is \$2 lbs. a.i. per acre per calendar years. Therefore, do not apply more than \$6 pints of ATRAZINE 4L on corn in a one year.

TOTAL YESTS

(2) Following harvest of a treated crop, plow (moldboard or distriptow) and thoroughly till the soil in the fall or spring to minimize possible injury to rotational spring-seeded crops, regardless of the rate used.

(3) Do not graze treated area of feed-treated for age to livestock for 21 days

following application.

For postemergence applications plus emulsifiable oil, see additional precautions der that section of this label.

C'tational Crop Suggestions

 Land treated with Atrazine should not be planted to any crop except corn or sorghum until the following year or injury may occur.

(2) If Atrazine is applied after June 10, do not rotate with crops other than

corn or sorghum the next year or injury may occur.

(3) In the high plains or intermountain areas of the west where rainfall is sparse and erratic or where irrigation is required, use Atrazine only when corn or sorghum is to follow corn or sorghum, or a crop of untreated corn or sorghum is to precede other rotational crops.

(4) In western Minnesota and eastern parts of the Dakotas, Nebraska and Kansas, corn or sorghum treated with Atrazine should not be followed with soybeans if the broadcast rate applied was more than 4 pints per acre (or comparable

rate in a band) or injury may occur.

(5) Injury may occur to soybeans planted in north-central lowa and south-central Minnesota the year following an Atrazine application on Harps, Canisteo, Storden or other soils having a calcareous surface layer.

6) Do not plant sugarbeets, tobacco, vegetables (including dry beans), springseeded legumes and grasses the year following Atrazine application or

injury may occur.

Sorghum and Sorghum-Sudan Hybrids (Grain and Forage Types): ATRAZINE 4L may be applied either before planting or after planting as indicated below. Preplant (Broadleaf and Grass Control): Broadcast in the spring after plowing at the rate indicated in Table 3. Application may be made before, during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation of ATRAZINE 4L.

Best results have been obtained when Atrazine is applied within two weeks prior

to planting.

Pre-emergence (Broadleaf and Grass Control): Apply during or shortly after planting, but prior to weed or crop emergence at the rate indicated in Table 3.

TABLE 3
Preplant and Pre-emergence Applications* For Broadleaf and Grass Weed Control in Sorghum

Soil Texture	Organic Matter	Broadcast Rate of ATRAZINE 4L
		Per Acre
Coarse textured soils:	anv level	DO NOT USE Coloopt for pre
sands, loamy sands, sandy		emergence use on bedded sorghim
loams and sandy clay loams		in Arizona and Oldifornia as
		indicated below)
Medium and fine-textured	less than 1%	
worls: silt loams, clay	1% to 1.5%	3.2 to 4 pints
loams and clays	more than 1.5%	3.2 to 4.7' pints

*ATRAZINE 4L should not be applied preplant to sorghum grown in New Mexico, C'lahoma. Texas, Arkansas, Louisiana, Tennessee, Mississippi, Alabama. Georgia orida, South Carolina, and North Carolina or pre-emergence to sorghum grown to New Mexico, Texas and Oklahoma except in northeast Oklahoma and the Texas culf Coast.

6 pints

Pre-emergence (Broadleaf and Grass Control) Cont'd

In case of planting failure, original can be replanted into soil previously treated with ATRAZINE 4L. Do not make a second broadcast application or insurpment occur. If ATRAZINE 4L is as lied in a send only address to replanted in the untreated row middless ATRAZINE 4L can be applied in a bend to the second planting.

Postemergence (Broadleaf and Grass Weed Control): Apoly before weeds exceed to inches in become at the rate indicated in Table 4. Applications may be made up to close in. Postemergence application must be made before sorghum reaches 12 inches in height.

TABLE 4 Postemergence Broadleaf and Grass Weed Control in Sorghum

Soil Treatment Minimum Height of Sorghum Broadcast Rate of ATRAZINE at Treatment 4L Per Acre

Sind or loamy sand DO NOT USE

Lindy loam See directions for broadleaf weed control (below)
Lit loam to sandy clay Completely emerged 4 to 4.75 pints

am Olton and Pullman At least 6 inches high 4 to 4.75 pints

clay soils

Completely emerged

Postemergence Broadleaf Weed Control with ATRAZINE 4L Plus Emulsifiable Oil in Water: Broadcast 2.4 pints per acre for control of broadleaf weeds including annual morning-glory, cocklebur, lambsquarters, mustard, pigweed, ragweed, smartweed and wild buckwheat. Application should be made before pigweed and lambsquarters reach 6 inches in height and before all other weeds reach 4 inches in height. In Texas, New Mexico, Oklahoma, western Kansas, Colorado and the desert regions of California and Arizona, apply when sorghum is 6-10 inches in height, but before it reaches the boot stage (12 inches). In all other areas, apply

ter sorghum reaches three-leaf stage and before it is 12 inches in height? And emulsifiable oil at the rate of 1 gallon per acre for ground applications if one-half gallon per acre for aerial applications. A cultivation may be necessary if all weeds are not controlled or if re-growth of weeds occurs. Precautions for Applications of ATRAZINE 4L Plus Emulsifiable Oil in Water to Sorghum: See precautions under Atrazine Plus Equisifiable Oil in Water Applications to Corn.

Postemergence Broadleaf Weed Control with ATRAZINE 4L Plus Surfactant (Oklahoma, New Mexico, Texas, Western Kansas, Colorado and Desert Regions of Acizona and California only): Broadcast 2.4 pints of ATRAZINE 4L plus .75 to 1.5 pints of surfactant per acre after sorghum reaches 6-12 inches in height, but before weeds reach 1.5 inches in height. Apply only on sandy loam and finer-textured soils

Precautions for all Applications to Sorghum

Silty clay loams

and heavier soils

- (1) The maximum application rate for sorghum is 3 lbs. a.i. per acre per calendar year.
- (2) Heavy rains immediately following application tend to result in excessive concentrations of herbicide in seed furrow, resulting in possible crop injury. Applications to furrow-planted sorghum should not be made until furrows are leveled (plow-in). Deep planter marks or seed furrows should also be leveled before application.
- (3) Application made to sorghum growing under stress caused by minor element deficiency or to sorghum growing on highly calcareous soils may result

in crop injury.

- (4) Do not graze or feed forage from treated areas for 21 day 11 flowing application.
- The Pallowing have to does to elected trop, plow (moldboard or disk plow) and thoroughly time the some on the call or spring to minimize a comble injury to not dismall possess and call or regardless of rate according

(6) Grop injury may be un when they conside the eight of qualities and their professions of plantage, systemic insolventies.

For applications to increw irrigated bedded sorghum in Arizon cand California and for postemergence applications plus emulsifiable oil, lee additional precautions under those sections of this label.

Rotational Crop Suggestions: See rotational crop recommendations under corn.

Manufactured by FARMLAND INDUSTRIES, INC. Kansas City, Missouri 64116