

Riverside Trademark®

ATRAZINE 4L

For season long weed control in corn,  
sorghum and other crops

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ACTIVE INGREDIENTS.....	43.0%
Atrazine (2-chloro-4-ethylamino 6-isopropylamino s triazine).....	40.8%
Related Compounds.....	2.2%
INERT INGREDIENTS.....	57.0%
TOTAL	100.0%

Atrazine 4L contains 4 lbs. active ingredients per gallon.

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DO NOT DETACH BOOKLET FROM CONTAINER

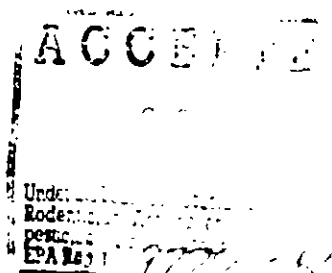
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KEEP OUT OF REACH OF CHILDREN  
CAUTION

See inside booklet for PRECAUTIONARY STATEMENTS  
and STATEMENT OF PRACTICAL TREATMENT

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Manufactured For  
RIVERSIDE/TERRA CORP.  
Terra Centre, 600 Fourth Street, Sioux City, Iowa 51101  
Riverside Serves Agriculture. Agriculture Serves Everyone.



STOP--READ LABEL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN  
CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Contact your local poison control center, hospital, or physician. If the patient is unconscious, maintain breathing and heartbeat (cardiopulmonary resuscitation). If the patient is conscious and alert, induce vomiting (syrup of ipecac or stimulate the back of the throat with a finger). Never give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air and apply respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash with soap and water.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

EPA Reg. No. 9779-255

EPA Est. No. 9779-AR-13

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed, inhaled, or absorbed through skin. Do not breathe dust or spray mist. Avoid contact with eyes, skin or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Atrazine leaches readily and accepted label rates have been found to result in contamination of water supplies by way of groundwater. Therefore users are advised to avoid use of atrazine in well drained soils, particularly in areas having high groundwater tables.

NOTE TO PHYSICIANS: There is no specific antidote for atrazine. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal may be considered.

ENVIRONMENTAL HAZARDS

This pesticide is toxic 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 when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT: Do not enter treated areas without protective clothing until sprays have dried. Protective clothing means, at least, a hat or other suitable head covering, a long-sleeved shirt and long-legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), gloves, shoes, and socks. 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.

#### NOTICE TO CROP OWNERS

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. In case of accidental exposure follow the information given under STATEMENT OF PRACTICAL TREATMENT and have exposed person(s) see a physician. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is a reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: CAUTION. Area treated with Atrazine on (date). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, refer to the STATEMENT OF PRACTICAL TREATMENT on the label.

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#### STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

##### STORAGE

Store in a dry location away from children, animals, foods, feeds, seeds, or other agricultural chemicals. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under DISPOSAL. Repackage and relabel useable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

##### DISPOSAL

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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#### GENERAL INFORMATION

This herbicide controls many annual broadleaf and grass weeds in corn, sorghum, sugarcane, and certain other crops specified on this label. It is also effective in noncrop areas and industrial sites for control of most annual and many perennial broadleaf and grass weeds. This product may be applied before or after weeds emerge.

FOLLOWING MANY YEARS OF CONTINUOUS USE OF THIS PRODUCT AND CHEMICALLY RELATED PRODUCTS, BIOTYPES OF SOME OF THE WEEDS LISTED ON THIS LABEL HAVE BEEN REPORTED WHICH CANNOT BE EFFECTIVELY CONTROLLED BY THIS AND RELATED HERBICIDES. WHERE THIS IS KNOWN OR SUSPECTED, WE RECOMMEND THE USE OF THIS PRODUCT IN COMBINATION WITH OTHER REGISTERED HERBICIDES WHICH ARE: TRIAZINES. CONSULT WITH YOUR STATE AGRICULTURAL EXTENSION SERVICE FOR SPECIFIC RECOMMENDATIONS.

SINCE THIS PRODUCT ACTS MAINLY THROUGH ROOT ABSORPTION, ITS EFFECTIVENESS DEPENDS ON MOISTURE TO MOVE IT INTO THE ROOT ZONE. IF WEEDS DEVELOP, A SHALLOW CULTIVATION OR ROTARY HOEING WILL GENERALLY RESULT IN BETTER WEED CONTROL.

This product is nonflammable.

Avoid using near adjacent desirable plants or in greenhouses, or injury may occur.

Where the use directions give a range of rates, use the lower rate on coarse-textured soil and soil low in organic matter; use the higher rate on fine-textured soil and soil high in organic matter.

Note: Seller does not recommend applications in combination with other herbicides or oils, except as specifically described on the label.

#### APPLICATION PROCEDURES

Ground Application: Use conventional ground sprayers equipped with nozzles that provide accurate and uniform application. Be certain that nozzles are uniformly spaced and are the same size. Calibrate sprayer before use and recalibrate at the start of each season and when changing carriers. Unless otherwise specified, use a minimum of 10 gallons of spray mixture per acre for all preplant, preemergence, and postemergence applications (with or without oil or surfactant) with ground equipment.

Use a pump with a capacity to (1) maintain 35-40 psi at nozzles, (2) provide sufficient agitation in tank to keep mixture in suspension, and (3) to provide a minimum of 20% bypass at all times. Use centrifugal pumps which provide propeller shear action for dispersing and mixing this product. The pump should provide a minimum of 10 gallons per minute per 100 gallons tank size circulated through a correctly positioned sparger tube or jets.

Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on the suction side of the pump should be 16-mesh or coarser. Do not place a screen in the recirculation line. Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles. Check nozzle manufacturer's recommendations.

For band applications, calculate amount to be applied per acre as follows:

$$\frac{\text{band width in inches}}{\text{row width in inches}} \times \text{broadcast rate per acre} = \text{amount needed per acre of field}$$

Aerial Application: Use aerial application only where broadcast applications are specified. Apply in a minimum of 1 quart of water for each quart of ATRAZINE 4L applied per acre. For postemergence treatments on corn and sorghum, apply recommended rate 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.

Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin and should wash thoroughly before eating and at the end of each day's operation.

Application in Water or Liquid Fertilizer: Nitrogen solution or complete liquid fertilizer may replace all or part of the water as a carrier for preemergence or preplant ground application on corn and sorghum. Before using, check the compatibility of this product with liquid fertilizer and/or nitrogen solution as shown below. Do not apply in nitrogen solution or complete liquid fertilizer after corn or sorghum emerges, except as noted under Lay-by Treatment for corn, or crop injury may occur.

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To determine the compatibility of ATRAZINE 4L alone or in tank mixtures, with fluid fertilizer, pour the products into a small container of fluid fertilizer in the proportions shown below. For different spray volume or herbicide rate, make appropriate changes in the ingredients.

For each pint of ATRAZINE 4L or other liquid or flowable product to be applied per acre, add 0.5 teaspoon or 2.5 milliliters of the product to one pint of fluid fertilizer (assuming a volume of 25 gallons per acre).

For each pound of a dry product to be applied per acre, add 1 level teaspoon or 5 milliliters of the product to one pint of fluid fertilizer (assuming a volume of 25 gallons per acre).

After thorough mixing, let stand for 5 minutes. If the herbicide/fertilizer combination remains mixed, or can be remixed readily, the mixture is compatible and can be sprayed. If it is not compatible, make a water slurry with the herbicide before adding the fertilizer and use the mixture only if this test shows it is compatible.

**Application in Water Plus Emulsifiable Oil or Oil Concentrate:** Adding an emulsifiable oil or oil concentrate, such as Prime Oil or Prime Oil II, to postemergence water-based sprays on corn and sorghum may improve weed control. However, under certain conditions, the use of either type of oil may seriously injure the crop. To minimize this possibility, observe the following directions.

Use a crop oil containing 1-2% suitable emulsifier, or a suitable crop oil concentrate containing not more than 20% emulsifier or surfactant blend. Emulsifiable oil and oil concentrates contaminated with water or other materials can cause compatibility problems and/or crop injury.

**Mixing Procedures-All Uses:** (1) Be sure sprayer is clean and not contaminated with any other materials or crop injury or sprayer clogging may result. (2) Fill tank  $\frac{1}{2}$  full with clean water, nitrogen solution, or complete liquid fertilizer. (3) Start agitation. (4) Be certain that the agitation system is working properly and creates a rippling or rolling action on the liquid surface. (5) Pour product directly from container into tank. (6) Continue filling tank until 90% full. Increase agitation if necessary to maintain surface action. (7) Add emulsifiable oil, oil concentrate or tank mix herbicide(s) after this product is thoroughly suspended. (8) Finish filling tank. (9) Empty tank as completely as possible before refilling to prevent buildup of oil or emulsifiable concentrate residue. Maintain agitation to avoid separation of materials. (10) If an oil or emulsifiable concentrate film starts to build up in tank, drain it and clean with strong detergent solution or solvent. (11) Clean sprayer thoroughly immediately after use by flushing system with water containing a detergent.

## APPLICATION AND CALIBRATION TECHNIQUES FOR CENTER PIVOT SPRINKLER IRRIGATION

Apply this product only through a center pivot sprinkler irrigation system. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Center Pivot Irrigation Equipment: Preemergence or postemergence - Apply this product alone or in tank mixtures with other herbicides on this label which are registered for center pivot application with irrigation water. Apply either after planting before crop and weeds emerge or after crop emergence, but before lay-by (20-30 inches) and BEFORE WEEDS EXCEED 1.5 INCHES IN HEIGHT. Apply at rates recommended on this label. Prepare mixture with a minimum of 1 part water to 1 part product. Injecting a larger volume of a more dilute slurry per hour will assure more accurate calibration of metering equipment. Maintain sufficient agitation to keep herbicide in suspension. Meter slurry into irrigation water during entire period. Apply in 1/2 to 1 inch of water. Use the lower water volume on coarser textured soils, the higher volume on finer textured soils. More than 1 inch of water may reduce weed control by moving herbicide below the effective zone in the soil. Inject dilute slurry into system through a positive displacement pump. Precautions: Inject ahead of any right angle turn in the main line to insure adequate mixing.

### SAFETY DEVICES

(1) The systems designated above must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. (2) All pesticide injection pipelines must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. (3) The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. (4) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. (5) The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. (6) Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. (7) Do not apply when wind speed favors drift beyond the area intended for treatment.

## SYSTEMS CONNECTED TO PUBLIC WATER SOURCES

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

For additional instructions on safety precautions, refer to section on SAFETY DEVICES.

**Preplant Incorporated or Preemergence Weeds Controlled:**

annual morningglory	mustards
barnyardgrass	nightshade
(watergrass)	pigweed
cocklebur	purslane
giant foxtail*	ragweed
green foxtail*	velvetleaf
groundcherry	(buttonweed)
jimsonweed	wild oats
kochia	witch grass
lambsquarters	(Panicum capillare)
large (hairy) crabgrass	yellow foxtail*

\*Control of foxtail can be erratic.

**Postemergence with Emulsifiable Oil or Oil Concentrate in Water--Weeds Controlled:**

annual morningglory	pigweed
cocklebur	ragweed
jimsonweed	smartweed
lambsquarters	wild buckwheat
mustards	velvetleaf

**CORN**

**Preplant (Broadleaf and grass control):** Broadcast in spring after plowing at rate in Table 1. Apply before, during, or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation. For best results, apply within two weeks prior to planting.

**Preemergence (Broadleaf and grass control):** Apply during or shortly after planting before weed emergence at rate in Table 1.

**Postemergence (Broadleaf and grass control):** Apply before weeds EXCEED 1.5 inches in height at rate Table 1.

**TABLE 1: Broadleaf and Grass Weed Control on Corn\***

Soil Texture	Broadcast Rate/A
<b>COARSE</b>	
Sand, loamy sand, sandy loam	4 pt.
<b>MEDIUM</b>	
Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, sandy clay, or silty clay with low organic matter	4.75 pt.
<b>FINE</b>	
Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, sandy clay, or silty clay with medium to high organic matter, and clay (including the dark prairie soils of the Corn Belt)	6 pt.
Peat, muck and high organic clay (apply postemergence only)	6 pt.

\*Broadleaf control (eastern CO, western KS, western NE, NM, OK Panhandle, west TX and eastern WY). On sand, sandy loam, mild to strongly alkaline soil, and all recently leveled soil, apply no more than 2.4 pt/A, either preplant or preemergence. On the other soils in these areas, apply rate in Table 1 for broadleaf and grass control.



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Lay-by Treatment (Broadleaf and grass control): Broadcast 2-4 pt/A before weeds are 1.5 inches tall and corn is 20-30 inches tall. When using nitrogen solutions, direct the spray to lower 3-4 inches of cornstalks to avoid corn foliage injury.

Postemergence with Emulsifiable Oil or Oil Concentrate in Water: Add 1 gallon of emulsifiable oil per acre for ground application or 0.5 gallons per acre for aerial application, or add 1 quart of oil concentrate per acre for ground or air application.

Broadleaf and Grass Control: Broadcast 4 pt/A plus emulsifiable oil or oil concentrate after weed emergence, but before weeds reach 1.5 inches in height.

Broadleaf Control: Broadcast 2.4 pt/A plus emulsifiable oil or oil concentrate before pigweed and lambsquarters reach 6 inches in height and before all other weeds reach 4 inches in height. A cultivation may be necessary if all weeds are not controlled or if weeds regrow.

Precautions for Applications with Emulsifiable Oil or Oil Concentrate: (1) Do not apply when crop is under stress from prolonged cold, wet weather, poor fertilizer, or other factors, or when crop is wet and succulent from recent rainfall, or crop injury may occur. (2) Inbred lines or any breeding stock may be severely injured by applications with emulsifiable oil or oil concentrate. (3) Adding other insecticides, herbicides, liquid fertilizers, or other materials is not recommended because they may cause compatibility problems or crop injury. (4) Store and handle emulsifiable oil and oil concentrate 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 per season except as recommended for control of yellow nutsedge, quackgrass, and Canada thistle.

#### Problem Weeds:

Yellow Nutsedge and Canada Thistle: This product will control yellow nutsedge (*Cyperus esculentus*) and Canada thistle (*Cirsium arvense*) when applied according to directions. For best results, apply each year until yellow nutsedge or Canada thistle is eliminated or reaches a level of infestation where neither weed is an economic problem. If yellow nutsedge or Canada thistle regrow following last application, cultivate once.

Four alternative methods of use for control of yellow nutsedge and Canada thistle are listed below in order of preference. If other weed species, such as annual grasses, are also expected, use alternative 2 or 4.

1. Broadcast 4 pt/A plus 1 gallon of emulsifiable oil or 1 qt. of oil concentrate. Apply after crop and yellow nutsedge or Canada thistle emerge, but before yellow nutsedge reaches a height of 3 inches or Canada thistle reaches a height of 6 inches. Repeat application before lay-by (20-30 inches), 10-20 days after the first application.
2. Broadcast 4 pt/A preplant control of yellow nutsedge or broadcast 4 pt/A during or shortly after planting, but prior to crop or weed emergence for control of Canada thistle. Follow with an application of 4 pt/A plus 1 gallon of emulsifiable oil or 1 qt. of oil concentrate after corn and weeds emerge, but before yellow nutsedge and Canada thistle reach a height of 6 inches.

3. Broadcast 8 pt/A plus 1 gal. of emulsifiable oil or 1 qt. of oil concentrate after crop emerges, but prior to lay-by (20-30 inches). Apply after yellow nutsedge and Canada thistle emerge, but before yellow nutsedge is 3 inches tall or Canada thistle is 6 inches tall.
4. Broadcast 8 pt/A before, during or shortly after planting, but before crop or weed emergence (yellow nutsedge control only).

Note: Do not use emulsifiable oil or oil concentrate when corn is wet or under stress, especially when using 8 pt/A of this product. See Precautions for Applications with Emulsifiable Oil or Oil Concentrate in Water for additional directions.

Quackgrass Control on Land going into Corn Production:

Split Application: Broadcast 4 pt/A in fall or spring. Plow 1-3 weeks later. Apply a second application at 4 pt/A in spring before, during, or after planting, but before weeds are 1.5 inches high. This split application will control quackgrass and most annual broadleaf and grass weeds.

Single Application: Broadcast 6-8 pt/A in fall or spring. Plow 1-3 weeks later.

#### TANK MIXTURES FOR CORN

This product may be tank mixed with these herbicides for control of certain broadleaf and grass weeds in corn:

Dual*	Lasso* or Lasso EC
Dual + Gramoxone Super*	Lasso or Lasso EC + Roundup
Dual + Roundup*	Lasso or Lasso EC + Gramoxone Super*
Dual + Princep*	Gramoxone Super*
Dual + Princep + Gramoxone Super*	Princep
Dual + Princep + Roundup	Princep + Gramoxone Super*
Bexton* or Ramrod*	Princep + Roundup
Bladex*	Sutan +*

\*Use tank mix directions appearing on the labels of the above herbicides when tank mixing with this product. Observe all precautions and limitations on labeling of products used in a particular tank mix.

Note: When labels of the above herbicides refer to Atrazine 80W or Atrazine 90DF, use equivalent rates of ATRAZINE 4L. One lb. of 80W equals 1.6 pt. of ATRAZINE 4L. One lb. of 90DF equals 1.8 pt. of ATRAZINE 4L.

Princep 80W, Princep 4L (4LC), or Princep Caliber\* 90

In addition to the weeds listed under ATRAZINE 4L "Applied Alone--Corn and Grain Sorghum"--Preplant or Preemergence, this combination also controls crabgrass, fall panicum, and carpetweed.

Broadcast tank mix before planting, at planting, or after planting, but before crop and weeds emerge at rates in Table 2. Use the 1:1 ratio for control of most weeds. Use the 1:2 ratio for expected heavy infestations of crabgrass and fall panicum. Cultivate shallowly if weeds develop.

Preplant: Apply in spring during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation. For best results, apply within two weeks prior to planting.

Preemergence: Apply during or shortly after planting, but before crop and weeds emerge.

Refer to Corn sections of this label and to Princep 80W, Princep Caliber 90, or Princep 4L(4LC) labels for further directions, limitations, and precautions.

Table 2: Tank Mixtures with Princep on Corn

Soil Texture	BROADCAST RATE PER ACRE			
	1:1 Ratio*		1:2 Ratio**	
	This Product	Princep 80W <sup>1</sup>	This Product	Princep 80W <sup>1</sup>
Sand, loamy sand, sandy loam	2 pt.	1.25 lb.	1.32 pt.	1.6/ lb.
Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, sandy clay, or silty clay with low organic matter	2.4 pt.	1.5 lb.	1.6 pt.	2 lb.
Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, sandy clay, or silty clay with medium to high organic matter, and clay (including dark prairie soils of the Corn Belt)	3 pt.	1.8 lb.	1.92 pt.	2.4 lb.

\*For control of above weeds.

\*\*For control of expected heavy infestations of crabgrass and fall panicum.

<sup>1</sup>When using Princep Caliber 90 or Princep 4L(4LC), use equivalent rates. One lb. of Princep 80W equals 0.9 lb. of Princep Caliber 90 or 1.6 pt. of Princep 4L(4LC).

Princep 80W, Princep 4L (4LC), or Princep Caliber 90 plus Roundup: Use as a tank mixture for preemergence and postemergence control of certain broadleaf and grass weeds where corn will be planted directly into a cover crop, established sod, or in previous crop residues. Refer to Roundup label for all directions, weeds controlled, precautions, and limitation.

Princep 80W, Princep 4L (4LC), or Princep Caliber 90 plus Gramoxone Super\*: Use as a tank mixture with Princep and Gramoxone Super\* to kill existing vegetation and for residual weed control where corn will be planted directly into a cover crop, established sod, or in previous crop residues. Add this product and Princep to water in spray tank, agitating until thoroughly mixed. Then add Gramoxone Super\* and a nonionic surfactant, such as Activate. Continue agitation during application. Broadcast 2-4 pt. of this product plus 1.25-2.5 lb. Princep 80W (or 2-4 pt. Princep 4L (4LC), or 1.1-2.2 lb. Princep Caliber 90) plus 1-2 pt. Gramoxone Super\* in 20-60 gallons of water per acre. Apply before, during or after planting, but before corn emerges. Add 0.5 pt. of a nonionic surfactant, such as Activate, per 100 gallons of spray mixture. Use the 2 pt. rate of Gramoxone Super\* if existing vegetation is 4-6 inches tall. This mixture will not control weeds taller than 6 inches.

\*Refer to further limitations and precautions on labels for this product, Princep, and Gramoxone Super\*.

Precautions for all applications to corn: (1) Do not apply more than 8 pt/A of this product per year. (2) Following harvest, plow (moldboard or disk-plow) and thoroughly till soil in fall or spring to minimize possible injury to rotational spring-seeded crops, regardless of rate used.

Note for all Applications to Corn: Do not graze or feed forage from treated areas for 21 days following application.

ROTATIONAL CROPS: (1) Do not rotate to any crop except corn or sorghum until the following year, or injury may occur. (2) If applied after June 10, do not rotate with crops other than corn or sorghum the next year, or crop injury may occur. (3) If the broadcast rate or equivalent band application rate exceeds 6 pt/A of ATRAZINE 4L or 6 pt/A of ATRAZINE 4L plus Princep 4L (or equivalent of another Princep formulation), a crop of untreated corn or sorghum should precede the next rotational crop. (4) In the High Plains and Intermountain areas of the West where rainfall is sparse and erratic or where irrigation is required, use only when corn or sorghum is to follow corn or sorghum or when a crop of untreated corn or sorghum is to precede other rotational crops. (5) In eastern parts of the Dakotas, KS, western MN, and NE, do not rotate to soybeans if the rate applied to corn or sorghum was more than 4 pt/A or equivalent band application rate, or soybean injury may occur. (6) Injury may occur to soybeans planted the year following application on soils having a calcareous surface layer. (7) Do not plant sugar beets, tobacco, vegetables (including dry beans), spring seeded small grains, or small-seeded legumes and grasses the year following application, or injury may occur.

**SORGHUM AND SORGHUM SUDAN HYBRIDS**  
(Grain and Forage Types)

**Preplant (Broadcast and grass control):** Broadcast in spring after plowing at rate in Table 3. Apply before, during, or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation. For best results, apply within two weeks prior to planting.

**Preemergence (Broadleaf and grass control):** Apply during or shortly after planting, but prior to weed or crop emergence at rate in Table 3.

**Table 3: Preplant and Preemergence Broadleaf and Grass Weed Control in Sorghum\***

SOIL TEXTURE	ORGANIC MATTER	BROADCAST RATE PER ACRE
COARSE Sand, loamy sand, sandy loam	Any level	DO NOT USE (except for preemergence use on bedded sorghum in AZ and CA)
MEDIUM AND FINE Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, sandy clay, silty clay, clay	Less than 1%	
	1-1.5%	3.2-4 pt.
	More than 1.5%	4-4.75 pt.

\*Do not apply preplant in AL, AR, FL, GA, LA, MS, NC, NM, OK, SC, TN or TX. Do not apply preemergence in NM, OK, or TX, except in northeast OK, and the TX Gulf Coast.

In case of planting failure, sorghum or corn may be replanted. Do not make a second broadcast application, or injury may occur. If originally applied in a band and sorghum or corn is replanted in untreated row middles, this product may be applied in a band to the second planting.

**Preemergence broadleaf weed control in furrow irrigated bedded sorghum (AZ and CA only):** For preemergence control of many broadleaf weeds, broadcast 1.6-2.4 pt. per acre after bed preparation during or after planting, but before sorghum and weeds emerge and before the first furrow irrigation. Follow with several regular irrigations, making sure to thoroughly wet all soil.

Precautions for Preemergence Application to Furrow Irrigated Redded Sorghum in AZ and CA:

To avoid possible sorghum injury, do not use on sand or loamy sand soil or on sorghum planted in furrows. Applications to sorghum growing on alkali soils or where cuts, fills, or erosion have exposed calcareous or alkali subsoils may cause crop injury. In case of crop failure, do not replant sorghum for 8 months following application. Corn may be planted immediately.

Postemergence (Broadleaf and grass control): Apply at rate in Table 4 before weeds exceed 1.5 inches in height. Apply up to "close-in."

TABLE 4: Postemergence Broadleaf and Grass Weed Control in Sorghum

Soil Texture	Minimum Sorghum Height at Treatment	Broadcast Rate Per Acre
Sand or loamy sand	DO NOT USE	
Sandy loam	See Directions For Postemergence Broadleaf Weed Control	
Silt loam to sandy clay loam	Completely Emerged	4-4.75 pt.
Olton and Pullman clay soil	6 inches	4-4.75 pt.
Silty clay loam and finer textured soil	Completely emerged	6 pt.

Postemergence Broadleaf Weed Control with Emulsifiable Oil or Oil Concentrate in Water: Broadcast 2.4 pt/A for control of many broadleaf weeds. Apply before pigweed and lambsquarters reach 6 inches in height and before all other weeds reach 4 inches in height. In CO, western KS, OK, TX and desert regions of AZ and CA, apply when sorghum is 6-10 inches in height, but before it reaches boot stage. In all other areas, apply after sorghum reaches 3-leaf stage. Add 1 gal. of emulsifiable oil per acre for ground application and 0.5 gal. per acre for aerial application, or add 1 qt. per acre of oil concentrate for ground or air application. A cultivation may be necessary if all weeds are not controlled or if weeds regrow.

For a list of weeds controlled, see ATRAZINE 4L Applied Alone--Corn or Grain Sorghum--Postemergence with Emulsifiable Oil or Oil Concentrate in Water.

Precautions for Applications with Emulsifiable Oil or Oil Concentrate in Water: See Precautions for Applications with Emulsifiable Oil or Oil Concentrate in Water in Corn section.

Postemergence Broadleaf Weed Control with Surfactant (CO, western KS, NM, OK, TX, and desert regions of AZ and CA only): Broadcast 2.4 pt/A plus 0.75-1.5 pt. of surfactant after sorghum reaches 6 inches in height, but before weeds exceed 1.5 inches in height. Apply only on sandy loam and finer textured soil.

Precautions for All Applications to Sorghum: (1) Heavy rain immediately following application tends to cause excessive concentrations of herbicide in seed furrow, resulting in possible crop injury. Do not apply to furrow-planted sorghum until furrows are leveled (plowed in). Level deep planter marks or seed furrows before application. (2) Application to sorghum growing under stress caused by minor element deficiency or to sorghum growing on highly calcareous soil may result in crop injury. (3) Following harvest, plow (moldboard or disk-plow) and thoroughly till soil in fall or spring to minimize possible injury to spring-seeded rotational crops, regardless of rate used. (4) Injury may occur if both this herbicide, preplant or preemergence, and an at-planting systemic insecticide applied in-furrow are used.

Note: Do not graze or feed forage from treated areas for 21 days following application.

Rotational Crops: See Rotational Crops in Corn section (Page 1).

#### TANK MIXTURES FOR GRAIN SORGHUM

Igran\* 80W: Use as tank mixture for control of certain broadleaf and grass weeds in grain sorghum. Refer to Igran 80W label for all directions, weeds controlled, precautions, and limitations.

Dual 8E: Use as tank mixture with Dual 8E for control of those weeds listed on the Dual label, as well as on this label. Use this tank mixture only on Concep\* treated sorghum seed. Refer to the Dual 8E label for all directions, precautions, and limitations.

#### ATRAZINE 4L Alone--Chemical Fallow

Wheat-Sorghum-Fallow: To control annual broadleaf and grass weeds following wheat harvest and in the following sorghum crop when grown under minimum tillage, broadcast 6 pt/A to wheat stubble immediately following wheat harvest. If weeds are present at application, remove them with a sweep plow or other suitable implement after application, or use an approved contact herbicide before or after the application of ATRAZINE 4L. Plant sorghum into wheat stubble the following spring with minimum soil disturbance. Use a surface planter or a planter leaving a shallow furrow. If weeds are present at planting, remove them with a sweep plow or other suitable implement before planting.

For a list of weeds controlled, see ATRAZINE 4L Applied Alone--Corn or Grain Sorghum--Preplant Incorporated or Preemergence

Precautions: (1) Use only on silt loam or finer textured soil.  
(2) Wheat-sorghum-fallow cropping sequence must be followed.  
(3) Do not apply following sorghum harvest.

Note: Do not graze or feed forage from treated area to livestock. Do not plant any crop other than those listed on this label within 18 months following treatment.

Wheat-Corn-Fallow (KS, NE): This product controls cheatgrass (downy brome, chess), kochia, mustards, pigweed, Russian thistle, wild lettuce, wild sunflower, and volunteer wheat during period after wheat harvest. Weed control may extend into following corn crop grown under minimum tillage.

Follow directions for use, notes and precautions in the Wheat-Sorghum-Fallow section above, substituting corn for references to sorghum.

Wheat-Fallow-Wheat (CO, KS, MT, NE, ND, SD, and WY): For preemergence control of cheatgrass (downy brome, chess), common lambsquarters, field pennycress, kochia, mustard, Russian thistle, wild lettuce and suppression of volunteer wheat during fallow period of wheat-fallow-wheat rotations, broadcast 1-2 pt/A on all soils except those listed under Precautions. For control of pigweed and wild sunflower, use the higher rate. Apply to stubble ground. Treat only once during same fallow period.

#### TANK MIXTURES FOR CHEMICAL FALLOW

Wheat-Sorghum-Fallow or Wheat-Corn-Fallow (KS, NE):

Igran 80W: Use a tank mixture for control of certain broadleaf and grass weeds in wheat-sorghum-fallow or wheat-corn-fallow rotations. Refer to Igran 80W label directions, weeds controlled, precautions, and limitations.

Gramoxone Super\*: If weeds are present at application, a tank mix with Gramoxone Super\* may be used. Broadcast 6 pt. of ATRAZINE 4L plus 1-2 pt. of Gramoxone Super\* in 20-60 gal. of water per acre by ground equipment. Add 0.5-1 pt. of a nonionic surfactant, such as Activate, per 100 gal. of spray mixture. Add ATRAZINE 4L to spray tank first and thoroughly mix with water. Then add Gramoxone Super\* followed by surfactant. Use the 2 pt. rate of Gramoxone Super\* if weeds are 4-6 inches tall. This mixture will not control weeds taller than 6 inches. Apply to stubble ground. Treat only once during same fallow period. Refer to Gramoxone Super\* label for further directions, precautions, and limitations.

Wheat-Fallow-Wheat (CO, KS, MT, ND, SD, and WY):

Igran 80W: Use as tank mixture for control of certain broadleaf and grass weeds in wheat-fallow-wheat rotations. Refer to Igran 80W label for directions, weeds controlled, precautions, and limitations.

Gramoxone Super\*: If weeds are present at application, a tank mix with Gramoxone Super\* may be used. Broadcast 1-2 pt. of ATRAZINE 4L plus 1-2 pt. of Gramoxone Super\* in 20-60 gal. of water per acre by ground equipment. Add 0.5-1 pt. of a nonionic surfactant, such as Activate, per 100 gal. of spray mixture. Add ATRAZINE 4L to spray tank first and thoroughly mix with water. Then add Gramoxone Super\* followed by surfactant. Use the 2 pt. rate of Gramoxone Super\* if weeds are 4-6 inches tall. This mixture will not control weeds taller than 6 inches. Apply to stubble ground. Treat only once during same fallow period. Refer to Gramoxone Super\* label for further directions, precautions, and limitations. If weeds are present at application and this product is used alone, use either an approved contact herbicide before or after treatment, or tillage after treatment.

Use tillage to control weeds which escape during fallow period. Till before planting. For this product applied alone or in tank mixture with Gramoxone Super\*,

plant at least 2 inches deep and id to the or more after application.

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Precautions: (1) Do not use on sand soil. (2) Do not treat eroded hillsides, caliche and rocky outcroppings of exposed calcareous subsoil. (3) Do not treat soils of the Rosebud and Canyon Series in western NE and adjoining counties in CO and WY. (4) Do not treat soils with calcareous surface layers. (5) Avoid spray overlap.

Note: Do not graze treated areas within 6 months after application.

Aerial Application: In order to assure that spray will be controllable within the target area when used according to label directions, make applications at a maximum height of 10 ft. using low drift nozzles at a maximum pressure of 40 psi, and restrict application to periods when wind speed does not exceed 10 mph. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply ATRAZINE 4L alone by aircraft at a minimum upwind distance of 400 ft. from sensitive plants, or apply ATRAZINE 4L + Igran 80W at a minimum upwind distance of 500 ft. from sensitive plants. When applying ATRAZINE 4L and Igran 80W by aircraft, use a minimum of 5 gal. of water per acre.

#### PROSO MILLET

For preplant or preemergence control of foxtails, kochia, common lambsquarters, redroot pigweed, Russian thistle, slimleaf lambsquarters and spotted spurge, apply 1-2 pt. per acre on soils with less than 2% organic matter, or apply 2-4 pt. per acre on soils with 2% or higher organic matter.

Precaution: Make only one application per year.

Rotational Crops: See Rotational Crops in Corn Section.

#### RANGELAND

To control certain weeds, including cheatgrass (Downy brome, chess), common (annual) broomweed, little barley, medusahead, sagewort, and tumble mustard, use lower rate where cheatgrass is major problem weed; use higher rate for other weeds.

Aerial Application: In order to assure that spray will be controllable within the target area when used according to label directions, make applications at a maximum height of 10 ft. above vegetation, using low drift nozzles at a maximum pressure of 40 psi, and restrict application to periods when wind speed does not exceed 10 mph. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply ATRAZINE 4L by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

Establishment of perennial range grasses in West (CA, ID, NV, OR, UT, WA): Broadcast 1.5-2 pt. per acre in fall after rains begin but before ground freezes. Perennial range grass may be seeded when rain begins the next fall following treatment. Plant in deep furrows such as those made by a deep furrow rangeland drill. Treated areas may be grazed 7 months after seeding. However, to provide sufficient time for establishment of desirable range grasses, treated areas should not be grazed until the fall following seeding.

#### Renovation of existing stands of perennial range grasses

Central Great Plains (CO, KS, MT, NE, ND, SD, WY): Broadcast 1-2 pt. per acre in fall before ground freezes.



West (CA, ID, NV, OR, UT, WA): Do not graze area to be treated for 6 months prior to application. Broadcast 1-1.5 pt. per acre by ground equipment in fall before ground freezes.

Bluegrass and intermediate wheatgrass may be injured by this product at recommended rates.

Note: Do not cut or feed range grass hay. Do not graze treated areas within 7 months following fall application or 3 months following spring application. Apply only once per year.

Warm season perennial range grasses--Midwest Switchgrass and Big Bluestem: For control of those weeds listed under ATRAZINE 4L Applied Alone-- Corn or Grain Sorghum--Preplant Incorporated or Preemergence.

Use only on loam, silt loam, silty clay loam, clay loam, and silty clay soils with at least 1 percent organic matter.

New seeding: Broadcast 4 pt. per acre after planting but before weeds emerge. Prepare a good, firm seedbed. Plant  $\frac{1}{2}$  inch deep with a grassland drill (preferred method) or a conventional drill. If a conventional drill is used on prepared seedbeds, remove all tension from the disk openers. For best results, cultipack or roll after planting. Clip weeds that escape in July or August. Avoid clipping switchgrass or big bluestem seedlings.

Established stands: Broadcast 4 pt. per acre in April or early May, before weed emergence.

Note: Do not cut for hay. Do not graze treated areas within 4 months following application at seeding or 3 months following application to established switchgrass or big bluestem. Treat only once per year.

Rotational Crops: See Rotational Crops in Corn Section.

#### TURF GRASSES FOR SOD (FLORIDA ONLY)

St. Augustine, Centipedegrass, and Zoysia Grass

Broadcast 4-8 pt. per acre according to soil texture to control those weeds listed under ATRAZINE 4L Applied Alone--Corn or Grain Sorghum--Preplant Incorporated or Preemergence.

Muck or Peat	8 pt.	Old beds: Within 2 days after lifting sod.
		New beds: 3-4 days after sprigging or plugging.
Sandy Soil	4 pt.	Old beds: Within 2 days after lifting sod.
		New beds: 7-10 days after sprigging or plugging.

If weeds regrow, apply an additional 4 pt. per acre on muck or peat, or 2 pt. per acre on sandy soil.

Precautions: (1) Do not apply within 30 days prior to cutting or lifting. (2) Do not apply in combination with surfactants or other spray additives, or injury may occur. (3) Use only on turfgrass reasonably free of infestations of insects, nematodes, and diseases. (4) On newly sprigged turfgrass, temporary slowing of growth may follow application.

#### TURFGRASS FOR FAIRWAYS, LAWNS, SOD PRODUCTION\*, AND SIMILAR AREAS

\*In states other than Florida. For use on turfgrass for sod in Florida see "Turfgrass for Sod (Florida Only)" section above.

Bermudagrass Centipedegrass, St. Augustinegrass, and Zoysia Grass

Apply Atrazine 4L after October 1 before emergence of winter annual weeds for control of annual bluegrass, burclover, carpet burweed, chickweed, corn speedwell, henbit, hop clover, and spurweed. Atrazine 4L will control annual bluegrass even if it is emerged at time of treatment. For control of summer annual weeds listed in the preemergence portion of the Atrazine 4L Applied Alone-Corn or Grain Sorghum section of this label, also apply Atrazine 4L in late winter before the weeds emerge. Apply in a minimum of 15 gallons of water per acre or 1 gallon per 1,000 square feet.

Where annual bluegrass is the major weed, use 1 qt./A (22 ml or 0.75 fl. oz. per 1,000 sq. ft.). Use 2 qts./A (44 ml or 1.5 fl. oz. per 1,000 sq. ft.) for control of the other weeds named above. Do not exceed 1 qt./A per treatment on newly sprigged turfgrass or on hybrid bermudagrass such as Tiflawn, Tifway, and Ormond.

For continued summer annual weed control, apply another 1 qt./A at least 30 days after the previous application, but not after April 15. However, do not make more than two applications of this product per year.

Precautions: On newly sprigged turfgrass and hybrid bermudagrass, temporary slowing of growth and yellowing may occur following application. To avoid turf injury, (1) Use only on turfgrass reasonably free of infestations of insects, nematodes, and diseases. (2) Do not use on golf greens. (3) Do not use north of NC (except may be used in Virginia Coastal Plains) or west of the high rainfall areas of eastern OK and eastern TX. (4) Do not use on muck or alkaline soils. (5) Do not apply over the rooting area of trees or ornamentals not listed on this label. (6) Do not overseed with desirable turfgrass within 4 months before or 6 months after treatment. (7) Do not apply this product to newly seeded bermudagrass until it has been overwintered and has a well-developed rhizome system. Do not exceed 2 qts. product/A within 12 months of seeding bermudagrass.

Note: Do not graze or feed turf clippings to animals or illegal residues may result.

#### MACADAMIA NUTS

For preemergence control of many broadleaf and grass weeds, including crabgrass, foxtail, wiregrass, Flora's paintbrush, spanishneedles, and fireweed, broadcast 4-8 pt. per acre before harvest and before weeds emerge. Repeat as necessary. Do not spray when nuts are on ground during harvest period. Do not apply by air.

#### SUGARCANE

For control of many broadleaf grass weeds, including amaranths, crabgrass, fireweed, Flora's paintbrush, foxtails, junglerice and wiregrass, broadcast 4-8 pt. per acre of ATRAZINE 4L at time of planting or ratooning, but before sugarcane emerges. Broadcast aerially in a minimum of 5 gal. of spray per acre, or broadcast or band by ground equipment in a minimum of 20 gal. per acre, unless indicated otherwise. One additional application may be made over the sugarcane as it emerges, and two additional aerial applications may be made interline after emergence as directed sprays. Repeat treatments, where needed, may be applied broadcast, band, or interline as suggested with the final application being prior to close-in. Do not exceed the rate of herbicide suggested for any one crop of sugarcane.

Note: Where high rates of ATRAZINE 4L are used alone, apply in a minimum of 1 qt. of water for each 1 qt. of ATRAZINE 4L applied per acre.

Aerial application: In order to assure that spray will be controllable within the target area when used according to label directions, make applications at a maximum height of 10 ft. using low drift nozzles at a maximum pressure of 40 psi, and restrict application to periods when wind speed does not exceed 10 mph. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply ATRAZINE 4L alone by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

#### Florida

For control of emerged pellitory weed: Apply 0.8-1.2 pt. per acre in at least 40 gal. of water as a directed spray by ground equipment prior to close-in. Add 4 qt. of surfactant for each 100 gal. of spray. Thoroughly cover weed foliage.

For control of alexandergrass, large crabgrass, pellitory (artillery) weed, and spiny amaranth, use one of the following methods at planting or ratooning:

1. Apply 8 pt/A preemergence. Follow with one or two applications, as needed, postemergence to sugarcane and weeds, at 4 pt. per acre. Treat before weeds exceed 1.5 inches in height.
2. Apply 1-3 times, as needed, at 4 pt/A postemergence to sugarcane and weeds. Treat before weeds exceed 1.5 inches in height.

#### Texas

Use ATRAZINE 4L for control of barnyardgrass, pigweed, purslane and sunflower, in plant or ratoon sugarcane.

Apply 8 pt. per acre of ATRAZINE 4L preemergence. Follow with one or two applications, as needed, at 6 pt. per acre postemergence to sugarcane and weeds.

For best results when weeds are emerged, add a nonionic surfactant at a concentration of 2 qt. per 100 gal. to the spray and apply before weeds exceed 1.5 inches in height.

Precautions: (1) Injury to sugarcane may occur when under moisture stress, when soil is of low absorptive capacity, or when land is first cropped to sugarcane. (2) Do not apply after close-in. (3) Do not apply more than 20 pt. per acre to any one crop of sugarcane, or crop injury may result.

#### CONIFERS

For control of annual broadleaf and grass weeds prior to transplanting, after transplanting or in established conifers (including Douglas fir, grand fir, noble fir, white fir, Austrian pine, bishop pine, Jeffrey pine, knobcone pine, loblolly pine, lodgepole pine (shore pine), monterey pine, ponderosa pine, Scotch pine, slash pine, blue spruce, and Sitka spruce): Broadcast 4-8 pt. in a minimum of 5 gal. of water per acre by air or 10 gal. by ground before weeds are 1.5 inches tall. Apply to established trees between fall and early spring while trees are dormant. For new transplants, apply during or soon after transplanting. For applications prior to transplanting, allow sufficient precipitation to activate ATRAZINE 4L before transplanting. In areas where spring and summer rainfall is inadequate to activate atrazine, apply during fall prior to spring transplanting.

For the list of weeds controlled, see ATRAZINE 4L Applied Alone--Corn or Grain Sorghum--Preplant Incorporated or Preemergence.

Quackgrass control: Broadcast 8 pt. in a minimum of 5 gal. of water per acre by air or 10 gal. by ground between fall and early spring while trees are dormant and before quackgrass is more than 1.5 inches tall.

#### NONSELECTIVE WEED CONTROL ON NONCROP LAND

ATRAZINE 4L provides long-term weed control on industrial sites, highway medians and shoulders, railroad rights-of-way, lumberyards, petroleum tank farms, and in noncrop areas on farms such as around buildings, equipment and fuel storage areas, along fences, and lanes. Do not use near adjacent desirable plants or in greenhouses or injury may occur.

Apply before or soon after weeds begin growth. Make postemergence applications when weeds are young and actively growing. Use the higher rates on fine clay and muck soils. Use at least 1 gal. of water for each quart of ATRAZINE 4L to assure thorough coverage. Use more if practical.

Note: Do not allow livestock to graze treated areas.

Annual broadleaf and grass weeds (including barnyardgrass, cheatgrass, crabgrass, lambsquarters, foxtail, ragweed, puncturevine, and turkey mullein): Broadcast 5 to 10 quarts of ATRAZINE 4L per acre.

Hard-to-kill annual and many perennial broadleaf and grass weeds (including bluegrass, burdock, Canada thistle, dogfennel, orchardgrass, plantain, quackgrass, purpletop, redtop, and smooth brome): Broadcast 2.5-5 gallons of ATRAZINE 4L per acre.

Hard-to-kill biennial and perennial weeds (including bull thistle and sowthistle): Broadcast 2.5 to 10 gallons of ATRAZINE 4L per acre.

For longer residual control in regions of high rainfall and a long growing season, broadcast 5 to 10 gallons of ATRAZINE 4L per acre.

For small areas, 8 fluid ounces per 1,000 sq. ft. is equivalent to 2.5 gallons.

NOTICE: The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Seller. All such risks shall be assumed by the Buyer.

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NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller and Buyer assumes the risk of any such use. Seller shall not be responsible for incidental or consequential damages, if any, resulting from a breach of warranty.

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