

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PH 25 10107-153  
 PG 14 10

Tom Kohmetscher  
 Regulatory & Registration Division  
 Cornbelt Chemical Company  
 P.O. Box 410  
 McCook, Nebraska 69001

PH 25 10107-153

Dear Mr. Kohmetscher:

Subject: Weed Pro Atrazine 4L  
 EPA Reg. No. 10107-153  
 RE: Amended Labeling (Risk Reduction Measures)  
 Your Submission Dated July 13, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

Robert J. Taylor  
 Product Manager (25)  
 Fungicide-Herbicide Branch  
 Registration Division (H7505C)

CONCURRENCES							
SYMBOL	H7505C						
SURNAME	MWILLI						
DATE	8/20/92						

25 10

AA-443  
20-21-04

**ACCEPTED**  
AUG 21 1991  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 10107-153

**RESTRICTED USE PESTICIDE**  
(GROUND AND SURFACE WATER CONCERN)

For retail sale to and use only by certified applicators or persons under their direct supervision and only for those uses covered by the certified applicator's certification. This product is also a "Restricted Use" herbicide due to Atrazine ground water concerns. Users must read and follow all precautionary statements and instructions for use in order to minimize potential for Atrazine to reach ground and surface water.

# WEED PRO

# Atrazine 4L

## HERBICIDE

For season-long weed control in corn and sorghum and certain other crops. For weed control in certain other crops; in noncrop areas; and industrial sites.

ACTIVE INGREDIENTS	BY WEIGHT
ATRAZINE (2-chloro-4-ethylamino-6-isopropylamino-s-triazine).....	40.5%
Related Compounds.....	2.0%
INERT INGREDIENTS.....	57.0%
	<b>TOTAL 100.0%</b>

EPA Reg. No. 10107-153

EPA Est. No. 10107-NB-1

Atrazine 4L contains 4 lbs. active ingredients per gallon. Shake well before using. Use entire contents at one time.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
SEE ADDITIONAL PRECAUTION STATEMENTS AND DIRECTIONS FOR USE INSIDE BOOKLET

Mfg. for:

Cornbelt Chemical Company • P.O. Box 410 • McCook, Nebraska 69001

**DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY**  
**IMPORTANT:** Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

#### Conditions of Sale and Warranty

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 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 CORNBELT CHEMICAL CO. or the Seller. All such risks shall be assumed by the Buyer.

CORNBELT CHEMICAL CO. 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. CORNBELT CHEMICAL CO. makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CORNBELT CHEMICAL CO. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CORNBELT CHEMICAL CO. and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CORNBELT CHEMICAL CO.

#### DIRECTIONS FOR USE

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

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

Do not apply this product in such a manner as to directly or through drift expose workers or other persons, except those knowingly involved in the application. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various

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**Aerial application:** Use aerial application only where broadcast applications are specified. Apply in a minimum of 1 qt. of water for each quart of this product applied per acre. For postemergence treatments on corn and sorghum, apply recommended rate in a minimum of 2 gals. of water/A. Avoid applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

**Aerial application to humans or animals:** Flagman 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, preplant incorporated or preplant surface ground application on corn and sorghum. Check the compatibility of this product with liquid fertilizer and/or nitrogen solution as shown below before use. Do not apply in nitrogen solution or complete liquid fertilizer after corn or sorghum emerges or crop injury may occur.

**Compatibility Test:** Since liquid fertilizers can vary, even within the same analysis, always check compatibility with herbicide(s) each time before use. Be especially careful when using complete suspension or fluid fertilizers as serious compatibility problems are more likely to occur. Commercial application equipment may improve compatibility in some instances. The following test assumes a spray volume of 25 gals. per acre. For other spray volumes, make appropriate changes in the ingredients. Check compatibility using this procedure:

1. Add 1 pint of fertilizer to each of 2 one-quart jars with tight lids.
2. To one of the jars, add 1/4 tsp or 1.2 milliliters of a compatibility agent approved for this use, such as Compas® or Latron AG-44® (1/4 tsp is equivalent to 2 pts. per 100 gals. spray). Shake or stir gently to mix.
3. To both jars add the appropriate amount of herbicide(s). If more than one herbicide is used, add them separately with dry herbicides. Test flowables next, and emulsifiable concentrates last. After each addition, shake or stir gently to thoroughly mix. The appropriate amount of herbicides for the test follows.

**Dry herbicides:** For each pound to be applied per acre, add 1.5 level

teaspoons to each jar.

**Liquid herbicides:** For each pint to be applied per acre, add 0.5 teaspoon or 2.5 milliliters to each jar.

4. After adding all ingredients, put lids on and tighten, and invert each jar ten times to mix. Let the mixtures stand 15 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility: (A) slurry the dry herbicide(s) in water before addition, or (B) add 1/2 of the compatibility agent to the fertilizer and the other 1/2 to the emulsifiable concentrate or flowable herbicide before addition to the mixture. If incompatibility is still observed, do not use the mixture.

**Application in water plus emulsifiable oil or oil concentrate:** Adding emulsifiable oil (petroleum-derived, petroleum-derived oil concentrate, or single or mixed crop-derived oil concentrate) to postemergence water-based sprays in 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 one of the following properly emulsified:

1. A suitable oil concentrate containing at least 1% but not more than 20% suitable emulsifier or surfactant blend.
2. Petroleum-derived oil containing at least 1% suitable emulsifier.

**Note:** In the event of a compatibility problem when mixing oil with this product and a compatibility agent such as Compas® or Latron AG-44® should be used. Any of the above oils 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 1/4 full with clean water, nitrogen solution, or complete liquid fertilizer. (3) Start agitation. (4) Be certain that the agitation system is working properly and creating churning or rolling action on the liquid surface. (5) Pour product

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 the product. Oral warnings must be given when information on workers of fields that may not be entered without special protective clothing and if sprays have dried, and appropriate action should be taken of such information as described under **Precautionary Statements** on this label. When oral warnings are given, warnings shall be given in a language commonly 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 Weed Pro-Azox 4E on date of application. Do not enter without adequate protective clothing until sprays have dried. In case of accident or exposure, get medical attention with plenty of water. Consult physician if irritation persists. If you wish to know the full warning information, call 1-800-858-5555. Do not apply this product through any type of irrigation system.

**General Information**

This information is for informational purposes only. It is not intended to be used in place of the label. For more information on this product, please contact your local dealer or the manufacturer.

Use only the amount of product recommended on the label. Do not apply more than the recommended rate. Do not apply to crops or areas that are not listed on the label. Do not apply to crops or areas that are not listed on the label. Do not apply to crops or areas that are not listed on the label.

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**Rotational crops** - Do not plant susceptible crops in the treated area for at least 30 days after application. Do not plant susceptible crops in the treated area for at least 30 days after application. Do not plant susceptible crops in the treated area for at least 30 days after application.

**Agazine 4E, Apples, Almonds, Corn or Grain Sorghum**  
**Preplant Surface Applied, Preplant Incorporated, or Postemergence, or Postemergence of 8 p.e. & With Cut**  
 Use only the amount of product recommended on the label. Do not apply more than the recommended rate. Do not apply to crops or areas that are not listed on the label.

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

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, as appropriate to your field.

When the use factors 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:** CO-OPERATIVE CHEMICAL CO. does not recommend applications in combination with other herbicides, except as specifically described on the label. For more information, call 1-800-858-5555.

**Application Procedures**

**Ground application:** Use only 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. If nozzles otherwise specified, use a minimum of 10 gallons of spray mixture per acre. Preplant incorporated, preplant surface, postemergence and post-harvest applications will require additional information on the label.

Do not apply with a spray fan or other type of fan sprayer. Do not apply with a fan sprayer. Do not apply with a fan sprayer. Do not apply with a fan sprayer.

Do not use this product on crops or areas that are not listed on the label. Do not use this product on crops or areas that are not listed on the label. Do not use this product on crops or areas that are not listed on the label.

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**Preplant Surface Applied (Broadleaf and grass control)** - Use only the amount of product recommended on the label. Do not apply more than the recommended rate. Do not apply to crops or areas that are not listed on the label.

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

**FOR ALL SOIL APPLICATIONS PRIOR TO CROP EMERGENCE**

**On Highly Erodible Soils (as defined by SCS)**

If conservation tillage is practiced, leaving at least 30% of the soil covered with plant residues at planting, apply 4 pts./A as a broadcast spray.

If the soil coverage with plant residue is less than 30% at planting, a maximum of 3.2 pts./A may be applied.

**On Soils Not Highly Erodible**

Apply 4 pts./A as a broadcast spray.

**FOR POSTEMERGENCE APPLICATION**

If no atrazine was applied prior to corn emergence, apply 4 pts./A broadcast apply. If a post-emergence treatment is required following an earlier herbicide application, the total atrazine applied may not exceed 2.5 lbs. active ingredient (5 pts. of this product) per acre per calendar year.

**Broadleaf control (eastern CO, western KS, western NE, NM, OK Panhandle, west TX, and eastern WY):** On sand, loamy sand, sandy loam, mild to strongly alkaline soil, and all recently leveled soil, apply no more than 2.3 pts./A, either preplant surface, preplant incorporated, or preemergence. On other soils in these areas, apply rate in Table 1 for broadleaf and grass control.

Where there are state/local requirements regarding atrazine use (including lower maximum rates and/or set-backs) which are different from the label, the more restrictive/protective requirements must be followed. Certain states may have established rate limitations within specific geographical areas. Consult your state lead pesticide control agency for additional information. It is a violation of this label to deviate from state use regulations.

Postemergence with emulsifiable oil or oil concentrate in water: Add the following volume of one of the types oils indicated for aerial or ground application unless the oil label specifies otherwise.

Type Oil	Ground Application	Aerial Application
Oil concentrate (Crop or Petroleum-derived)	1 qt./A	1/2-1 qt./A
Petroleum-derived oil	1 gal./A	2 qts./A

Note: Crop-derived or petroleum derived oil concentrates should contain at least 1% but not more than 20% suitable emulsifier or surfactant blend.

Petroleum-derived oils should contain at least 1% suitable emulsifier.

**Broadleaf and grass control:** For postemergence control of those weeds listed under Preplant Incorporated and Preemergence, broadcast 4 pts./A plus emulsifiable oil or oil concentrate after weed emergence, but before weeds reach 1.5 inches in height and before corn exceeds 12 inches in height.

**Broadleaf control:** For postemergence control of those weeds listed under Postemergence with emulsifiable oil or oil concentrate in water, broadcast 2.4 pts./A plus emulsifiable oil or oil concentrate before pigweed and lambquarters 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 in water: (1) Inbred lines or any breeding stock may be severely injured by applications with emulsifiable oil or oil concentrate. (2) Adding other insecticides, herbicides, liquid fertilizers, or other materials is not recommended, because they may cause compatibility problems or crop injury. (3) 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. To avoid crop injury, (4) Do not apply 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. (5) Do not exceed 2.5 lbs. active ingredient (or 5 pts. of this product) per acre per calendar year. (6) Postemergence applications to corn must be made before corn exceeds 12 inches in height.

8

9

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Table 2: Tank Mixtures with Princep on Corn

Soil Texture	Broadcast rate: A			
	1:1 Ratio <sup>a</sup>		1:2 Ratio <sup>b</sup>	
	This Product	Princep 80W	This Product	Princep 80W
Sand, loamy sand, loam	2 pts.	1.25 lbs.	1.32 pts.	1.67 lbs.
loam, silt loam, silt clay loam, sandy clay loam, silty clay loam, sandy clay, or silty clay with low organic matter	2.4 pts.	1.5 lbs.	1.6 pts.	2 lbs.
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 pts.	1.8 lbs.	1.92 pts.	2.4 lbs.

<sup>a</sup> For control of most weeds

<sup>b</sup> For control of expected heavy infestations of crabgrass and fall panicum

<sup>c</sup> When using Princep Caliber 90 or Princep 4L, use equivalent rates. One lb of Princep 80W equals 0.9 lb of Princep Caliber 90 or 1.6 pts. of Princep 4L.

**Princep 80W, Princep 4L, or Princep Caliber 90 plus Roundup:** Use as 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 restrictions.

**Princep 80W, Princep 4L, or Princep Caliber 90 plus Gramoxone Extra:** Use as tank mixture with Princep and Gramoxone Extra 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 Extra and a nonionic surfactant, such as X-77<sup>®</sup>. Continue agitation during application. Broadcast 2.4 pts. of this product plus 1.25-2.5 lbs. of Princep 80W (or 2.4 pts. of Princep 4L, or 1.25 lbs. of Princep Caliber 90) plus a suitable amount of Gramoxone Extra in 20-60 gals. of water per sprayed acre. Refer to the Gramoxone Extra label for the appropriate rates to utilize in this tank mixture. Apply before, during, or after planting, but before corn emerges. Add 0.5 pt. of a nonionic surfactant, such as X-77, per 100 gals. of spray mixture. Use the higher rate of Gramoxone Extra specified on the label 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 Extra.

**Precautions for all applications to corn:** (1) To avoid crop injury and illegal residues, do not apply more than 2.5 lbs./A active ingredient (2.5 Qts or 5 pts./A of this product) per calendar year. (2) For best control of velvetleaf and cocklebur, the application rate cannot be less than 2 lbs./A active ingredients, either alone or in tank mix combinations. (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.

**Note for all applications to corn:** Do not graze or feed forage from treated areas for 21 days following application, or illegal residues may result.

**Sorghum and Sorghum-sudan Hybrid (Gram and Forage Types)**

**Preplant Surface-Applied (Broadleaf and grass control):** Use on medium- and fine-textured soil with minimum tillage or no tillage systems only in CO, IL, IN, IA, KS, KY, MN, MO, MT, NE, ND, SD, WI, and WY. Apply 2/3 the recommended rate of WEED PRO Atrazine 4L shown in Table 3 for the soil texture as a split treatment 30-45 days prior to planting and the remainder at planting. Applications made less than 30 days prior to planting may be as either a split or single treatment. Under dry conditions, irrigation after application is recommended to move WEED PRO Atrazine 4L into the soil.

If weeds are present at time of treatment, apply in a tank mix combination with a contact herbicide (for example, Gramoxone Extra or Roundup). Observe directions for use, precautions, and restrictions on the label of the contact herbicide.

**Note:** To the extent possible, do not move treated soil out of the row or move untreated soil to the surface during planting, or weed control will be diminished.

**Preplant Incorporated (Broadleaf and grass control):** Broadcast in spring after plowing at rate shown 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 shown in Table 3.

12

13

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Post emergence broadleaf weed control with surfactant (CO, Western KS, NM, OK, TX, and desert regions of AZ and CA only): Broadcast 2.4 pts/A plus 0.75-1.5 pts. 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, low) 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 surface, preplant incorporated, or preemergence, and an all-planting systemic insecticide applied in-trow are used. (5) Do not apply more than 2.5 lbs. active ingredient (5 pts. of the product) per acre per calendar year. (6) For all soil applications prior to crop emergence (except for pre-emergence use on bedded sorghum in AZ and CA), do not apply to coarse-textured soils i.e., sand, loamy sand, or to medium and fine-textured soils having less than 1% organic matter, or injury may occur. (7) For postemergence applications, do not apply to sand or loamy sand, or injury may occur.

**Note:** Do not graze or feed forage from treated areas for 21 days following applications, or illegal residues may result.

#### Tank Mixture for Grain Sorghum

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

#### Winter Weed Control in Texas

For postemergence control of winter weeds only, such as henbit, seeding dock, and annual thistle on fall bedded land in the Gulf Coast and Blacklands of Texas. Apply 0.8-1 qt./A postemergence to the weeds in November or December to land that will be planted to corn, grain sorghum, or forage sorghum the following spring. For best results, add a suitable surfactant, such as X-77, at the rate of

16

Apply 40 ounces of Landmaster BW plus 2 pts. or less of WEED PRO Atrazine 4L/A. Use 54 ounces Landmaster BW plus 4 pts. or less of WEED PRO Atrazine 4L/A. Use 64 ounces of Landmaster BW plus 6 pts. or less of WEED PRO Atrazine 4L. The addition of Ammonium Sulfate is recommended to increase the performance of Landmaster BW and WEED PRO Atrazine 4L. In Oregon and Washington, do not exceed 2 pts. of WEED PRO Atrazine 4L per acre. For ground applications, apply in 3 to 10 gallons of water per acre. For aerial applications, apply in 3 to 5 gallons of water per acre. Refer to the Landmaster BW label for further directions, precautions, and limitations.

**Precautions:** To avoid crop injury, (1) Do not use on sand soil. (2) Do not treat eroded hillsides, caliche and rocky outcroppings, or exposed calcareous substrate. (3) Do not treat soils of the Hobeud 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, or illegal residues may result.

**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 m.p.h.. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply WEED PRO Atrazine 4L alone by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

#### Roadsides

To control certain annual weeds in established perennial grasses along roadsides in CO, KS, MT, NE, ND, SD, and WY, including cheatgrass (downy brome, chess), common (annual) broomweed, little barley, medusahead, sagewort, and tumble mustard, broadcast 2 pts./A in a minimum of 10 gals. of water by ground equipment in the fall before ground freezes, or after thawing in the spring, but before the established grasses green-up and before weeds emerge. Examples of desirable established grasses include big bluestem, bluegrass, bromegrass, buffalograss, crested wheatgrass, indiangrass, little bluestem, side-oats grama, switchgrass, and Western wheatgrass. Apply only once per year. Temporary discoloration or other form of injury to the desirable perennial grasses may occur following application.

**Note:** To avoid illegal residues, (1) Do not cut or feed roadside grass hay. (2) Do not allow livestock to graze treated areas.

20

0.5% of the spray volume, an emulsifiable oil at the rate of 1.0% of the spray volume, or an oil concentrate at the rate of 1 qt. per acre.

Normal weed control programs may be used in the following corn, grain sorghum or forage sorghum crop.

**Note:** Do not plant any crops except corn, grain sorghum, or forage sorghum the spring following this treatment, or illegal residues may result.

#### WEED PRO 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 pts./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 WEED PRO 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 the list of weeds controlled, see WEED PRO Atrazine 4L Applied Alone - Corn or Grain Sorghum - Preplant Surface-Applied, Preplant Incorporated, or Preemergence.

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

**Note:** To avoid illegal residues, do not graze or feed forage from treated area to livestock. To avoid illegal residues and crop injury, do not plant any crop other than those 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.

17

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#### Sugarcane

For control of many broadleaf and grass weeds, including amaranths, crabgrass, fireweed, floral's paintbrush, foxtails, junglerice and wiregrass, broadcast 5-8 pts./A of WEED PRO Atrazine 4L at time of planting or ratooning, but before sugarcane emerges. Broadcast aerially in a minimum of 5 gals. of spray per acre, or broadcast or band by ground equipment in a minimum of 20 gals. per acre, unless indicated otherwise. One additional application may be made over the sugarcane as it emerges, and two additional applications may be made interine after emergence as directed sprays. Repeat treatments, where needed, may be applied broadcast, band, or interine 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 WEED PRO Atrazine 4L are used alone, apply in a minimum of 1 qt. of water for each 1 qt. of WEED PRO 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 m.p.h.. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply WEED PRO Atrazine 4L alone by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

#### Florida

For control of emerged perfoliate weed: Apply 0.8-1.2 pts./A in at least 40 gals. of water as a directed spray by ground equipment prior to close-in. Add 4 qts of surfactant for each 100 gal. of spray. Thoroughly cover weed foliage.

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

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

#### Louisiana

For control of annual weeds during the summer fallow period, apply 4 pts./A to weed-free beds immediately after bed formation. Follow normal weed control programs for planting.

**Precautions:** To avoid crop injury, (1) Do not apply more than 10 pts./A to any

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mix preemergence or early postemergence to weeds. When applying postemergence, the use of a surfactant and greater spray volume (80-100 gals. of spray mix per acre) may enhance weed control. This product controls many annual broadleaf and grass weeds, including fraxweed, purslane, scarlet pimpernel, spanish needles, and sowthistle.

**Notes:** To avoid illegal residues, (1) Do not allow spray to contact foliage or fruit. (2) Do not apply more frequently than at 4 month intervals. (3) Do not apply more than 16 pts. of WEED PRO Atrazine 4L per year.

#### 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 pts. in a minimum of 5 gals. of water per acre by air or 10 gals. by ground before weeds are 1.5" 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 WEED PRO Atrazine 4L before transplanting. In areas where spring and summer rainfall is inadequate to activate WEED PRO Atrazine 4L, apply during fall prior to spring transplanting.

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

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

**Precautions:** (1) In areas west of the Rocky Mountains (except the Great Basin), grazing may begin 7 months after a fall application or 3 months after a winter or spring application. (2) To prevent illegal residues, do not graze treated areas of the Great Basin, or areas east of the Rocky Mountains. (3) Temporary injury to trees may occur following use of WEED PRO Atrazine 4L or coarse-textured soil. (4) To avoid crop injury, do not apply to seedbeds. (5) Also apply only once per year.

**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 m.p.h. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply WEED PRO Atrazine 4L by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

#### Storage and Disposal

##### Storage

Ground water contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

##### Pesticide Disposal

Do not contaminate water, food, or feed by storage or disposal, or cleaning of equipment. Open dumping is prohibited. Wastes resulting from the use of this product are acutely toxic. Improper disposal of unused pesticide, spray mixture, or rinseate is a violation of federal law. Pesticide, spray mixture, or rinseate that cannot be used according to label instructions must be disposed of according to federal, state or local regulations. For guidance in proper disposal methods, contact your State Pesticide Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

##### Container Disposal

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

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean up procedures and disposal of wastes. In the event of a major spill, fire or other emergency, call CHEMTREC at 1-800-424-9300.

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