



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

NOV 18 1994

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

NIK RAMSWICK UNIVERSAL COOPERATIVES INC. P.O. BOX 460 7801 METRO PARKWAY MINNEAPOLIS, MN. 55440

Subject: Label Amendment Submission of 4/20/94 in Response to PR Notice 93-7 EPA Reg. No. 1386-647 ATRAZINE 4L HERBICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling AND
- WITHIN one year from date of this acceptance.



Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mail 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,

Jim Tompkins, Deputy Chief Registration Support Branch Registration Division (7505W)

Attachment

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division

Nik Ramswick UNIVERSAL COOPERATIVES INC P.O. BOX 460 7801 METRO PARKWAY MINNEAPOLIS MN 55440

Comment for: EPA Reg Nr.1386-647 ATRAZINE 4L HERBICIDE

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

Remove the statement "Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

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RESTRICTED USE PESTICIDE (GROUND AND SURFACE WATER CONCERNS)

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 PRUDUCT IS A RESTRICTED USE HERBICIDE DUE TO GROUND AND SURFACE 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.

ATRAZINE 4L HERBICIDE

For Season-Long Weed Control In Corn, Sorghum, And Certain Other Crops.

KEEP OUT OF REACH OF CHILDREN CAUTION

See Additional Precautionary Statements And Directions For Use On Back Panel

ACTIVE INGREDIENTS:

Atrazine: 2-chloro-4-ethylamino-	40.04
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. Shake Well Before Using. Use Entire Contents At One Time. With COMMENTS In EPA Leuer Dated	

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Net Contents: 2 1/2 Gallons Under the Federal Insection Fundicide, and Redenticide

Under the Federal Insecticide, Fundicide, and Redenticide Act as smeaded, for the pesticide registered under EPA Reg. No. 1324.47

EPA Reg. No. 1386-647 EPA Est. No. 1386-0H-1



Precautionary Statements

Hazards to Humana and Domestic Animals

CAUTION

Harmful II swallowed, inhaled, or absorbed through skin. Do not breathe vapors or spray mist. Avoid contact with eyes, skin of clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers (other than mixers and loaders) must wear:

- ·Long-sleeved shirt and long pants
- ·Waterproof gloves
- ·Chemical-resistant footwear plus socks

Mixers and loaders must wear:

- ·Long-sleeved shirt and long pants
- ·Waterproof gloves
- ·Chemical-resistant footwear plus socks
- ·Protective eyewear

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

USER SAFETY RECOMMENDATIONS

Users should:

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

Statement of Practical Treatment

If swallowed; Call a physician or Polson Co glasses of water and Induce vomiting by too available, by administering syrup of lipecac. D by mouth to an unconscious person.

If Inhaled; Remove victim to fresh air, If no preferably mouth-to-mouth, Get medical atte

If on eldn: Wash with plenty of soap and was

If in eyes: Flush eyes with plenty of water. C Note to Physician: There is no specific a

ingested, induce emesis or lavage stomach valed charcoal may be considered.

For Medical Emergency only extension 138.

Environmental Hazarda

Atrazine can travel (seep or leach) through may be used as drinking water. Atrazine has advised not to apply atrazine to sand and it (ground water) is close to the surface and with well-drained. Your local agricultural agencie type of soil in your area and the location of

This product may not be mixed/loaded or usbandoned wells, drainage wells, and sink is loaded within 50 feet of intermittent streams and reservoirs. This product may not be applied the points where field surface water in streams and rivers or within 200 feet around yours. If this product is applied to highly eroll from runoff entry points must be planted to dicrop.

This pesticide is toxic to aquatic invertebrate where surface water is present, or to inser mark. Do not apply when weather condition and drift from treated areas may be hazardo areas. Do not contaminate water when disp

DIRECTIONS FOR USE

It is a violation of federal law to use this produ

For any requirements specific to the agency responsible for pest

FAILURE TO FC_LOW THE DIRECTIONS LABEL MAY RESULT IN POOR WEED C RESIDUES.



AGRICULTURAL USE REQUIREMENTS

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

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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

- ·Coveral1s
- ·Waterproof gloves
- *Chemical-resistant footwear plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170) The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried. Written or cral 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. Oral warnings must be given which informeworkers of areas or fields that may not be entered without specific protective clothing ountil; sprays have dried and appropriate actions to take wim cast of accidental exposure as described under precautionary statements on this label. When oral way fings ware given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood, by worker . Written warnings must include the following information: "CAUTION.. Area treated with Atrazine 41 (date of application). Do not enter without appropriate protective clothing until sprays have dried.*

CHEMIGATION PROHIBITION

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





General Information

This herbicide controls many annual proadlest and grass weeds in corn, sorghum, sugarcane, and certain other crops specified on this label. 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, and weeds controlled by this product are expected to be present along with resistant biotypes, we recommend the use of this product in combinations or in sequence with other registered herbicides which are not triazines. If only resistant biotypes are expected to be present, use a registered non-triazine herbicide. Consult with your state Agnicultural 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 hosing will generally result in better weed control.

This product is noncorrosive to equipment and metal surfaces, nonflammable, and has low electrical conductivity.

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 cropinjury may result.

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: Universal Cooperatives, Inc., 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 aprayers equipped with nozzles that provide accurate and uniform application. Be certain that nozzles are uniformly speced 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 gals, of spray mixture/A for all preplant incorporated, preplant surface, preemergence, and postemergence applications (with or without oil or surfactant) with ground equipment,

Use a pump with capacity to (1) maintain 35-40 pel et nozzies, (2) provide sufficient agitation in tank to keep moture 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 gals./minute/100 gal. tank size circulate I through a correctly positioned sparger tube or jets.

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

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

band width in inches

per acre

amount needed per acre of field

Aerial application: Use aerial application only where broadcast applications are specified. Apply in a minimum of 1 ct. of warry five each quart of this product applic 0 per acra. For postemergence presonents on corn and sorphum, apply recommended rate in a minimum of 2 gala, of water/A. Avoid applications under conditions where uniform coverage cannot be obtained or where expessive sprey CMI they occur.

Avoid application to humans or animals. Flagmen and idealers should involve inhalation of spray mist and prolonged contact with skim, and should wash thoroughly before esting and at the end of each day's operation.

Application in water or liquid tertilizer: Nitrogen solution or complete liquid fertilizer may replace all or part of the water as a carner 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 isquid tertilizers 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 senous 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 Kem Link (1/4 tsp. is equivalent to 2 pts. per 100 gals. spray). Shake or stir gently to mix.
- 3. To both jurs add the appropriate amount of herbicide(s). If more than one herbicide is used, add them separately with dry herbicides first, flowables next, and emulsifiable concentrates tast. After each addition, shake or stir gently to thoroughly mix. The appropriate amount of herbicides for this sest follows:

Ony herbicides: For each pound to be applied per acre, add 1.5 level te aspoons to each sar.

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 lide on and tighten, and severt each jur ten times to mix. Let the mixtures stand 15 minutes and then look for separation, large flaxes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the apray mixture by companing the two jurs. If either mixture separates, but can be remitted readily, the mixture can be aprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility; (A) sturry the dry herbicide(s) in water before addition, or (B) add Vz of the compatibility agent to the fertilizer and the other Vz to the amultate. If incompatibility is still observed, do not use the mixture.

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Application in water plus emulaifiable all or all concentrate: Adding emulainable oil (petroleum-derived, petroleum-derived all concentrate, or single or mixed crop-derived oil concentrate) to possemergence water-based aprays in corn and sorghum may improve weed control. Howevectunder certain conditions, the use of either type of oil may seriously injure the crop. To minimize this possibility, observe the tollowing directions:

Use one of the following property emulsified:

- A suitable oil concentrate containing at least 1% but not more than 20% suitable emulaifier or suitaizant 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 water, a compatibility agent such as Kem Link 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 maserials, or crop injury or sprayer clogging may result. (2) Fit tank Vs full with clean water, nitrogen solution, or complete fiquid fertilizer. (3) Start agitation. (4) Be certain that the agitation system is working properly and creates a repling or rolling action on the liquid surface. (5) Pour product directly from container into tank. (6) Continue filling tank until 90% fulf. 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 agriztion 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.

Rotational Crops - All Lieux (1) Do not rotate to any crop except corn or sorghum until the following year, or injury may occut. (2) If applied after June 10, do not rotate with crops other than corn or sorghum the next year, or crop injury may occut. (3) in the High Plains and intermountain areas of the West where rainfall is sparse and errate or where impetion is required, use only when corn or sorghum is to follow corn or sorghum or when a crop of untressed corn or sorghum is to precede other rotational crops. (4) in eastern parts of the Dalotas, KS, western MN, and NE, do not rotate to soybeans if the rate applied to corn or sorghum was more than 2.2 bs./A or equivalent band application rate, or soybean injury may occut. (5) injury may occur to soybeans planted the year following application on soils having a calcareous surface layer. (6) 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.

Atrazine 4L Applied Alone - Corn or Grain Sorghum*

Preplant Surface-Applied, Preplant Incorporated, or Preemergence (or Postemergence at 4 pts./A With Oil)

Broadlest and Grass Weeds Controlled

pernyarghaes (weterbrass) * * * cocklebur ** nightshade giant footall ** groundcherry proveed green loutall*** bowwood purstane large (hairy) crabgrass ** koonia **Disempers** sicklepod*^ wild cats **Energupacinal** witchgrass (Paricum capitare) annual morninggiony **Valuations** yellow loctall *** (buttonweed) *** PROJECT SPECIES

Postsmergence with Emulsitiable Oil or Oil Concentrate in Water (at 2,4 pts./A)

Broadleaf Weeds Controlled

annual morningglory	Iambaquaners	ragwood	wild buckwheat
cocklebur	mustards	SMATWOOD	velvetie al * *
beevroemis	pigweed		

- Where there are stateflocal requirements regarding attrazine use (including lower maximum rates and/or greater setbacts) 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 peeticide control agency for additional information, it is a violation of this tabel to deviate from state use regulations.
- ** Partial control only.
- Partial control only on medium- and fine-textured soils.

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Preplant Surface-Applied (Broadles) and grass control): Use on medium- and fine-textured soil with minimum-billage or no-tillage systems only in CO, IA, IL, IN, KS, KY, MN. MO, MT, ND, NE, SD, WI, and WY. Apply the recommended rate of AAtrex 4L shown in Table 1 up to 45 days prior to planting. On coarse-textured soils, do not apply more than two weeks prior to planting. If an unsatisfactory length of weed control results from adverse environmental conditions following early treatment, a follow-up application of an appropriately labeled herbicide may be used. If the follow-up treatment includes atrazine, do not exceed the labeled rate for comindicated in Table 1.

If weeds are present at the time of treatment, apply in tank mix combination with a contact herbicide (for example, Gramoioneth Extra or Roundupth). 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.

Preplent Incorporated (Broadlest and grass control): Broadcast in spring after plowing at rate in Table 1. Apply to the soil and incorporate before, during, or after final seedbed preparation. Avoid deep incorporation. For best results, apply within two weeks prior to planting.

Preemergence of Al-Planting (Broadleef and grass control): Apply during or shortly after planting before weed emergence, at rate in Table 1.

Postemergence (Broadlest and grass control); Apply before weeds exceed 1.5 inches in height and before com exceeds 12 inches in height at rate in Table 1.



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Table 1: Broadlesf and Grass Weed Control in Corn*

FOR ALL SOIL APPLICATIONS PRIOR TO CROP EMERGENCE

- On Highly Eradible Salis (as defined by SCS)
- If conservation tiliage is practiced, leaving at least 30% of the soil covered with plant residues at planting, apply a maximum of 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 apray.

FOR POSTEMERGENCE APPLICATION

If no atrazine was applied prior to corn emergence, apply a maximum of 4 pts./A broadcast, if a postemergence 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.

Broadear control (eastern CQ, western KS, western NE, NM, OK Panhandle, west TX, and eastern WY): On sand, loarny sand, sandy loarn, mild to strongly alkaline soil, and all recently leveled soil, apply no more than 2.4 ptsJA, either preplant surface, preplant incorporated, or pre-mergence. On other soils in these areas, apply rate in Table 1 for broadlest and oreas control.

Where there are state/local requirements regarding attrazine use (Including lower maximum rates and/or greater settactus) 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 posticide control agency for additional information. It is a violation of this label to deviate from state use regulations.

Posternergence with emulaifiable oil or oil concentrate in water: Add the following volume of one of the type oils indicated for serial or ground application unless the oil label specifies otherwise:

Type Oli	Ground Application	Aerial Application
Oil Concernate (Crop or Petroleum-derived)	1 qUA	V2 - 1 qt./A
Petroleum-derived oil	1 gal./A	2 qts./A

Hote: Crop-derived or petroleum-derived oil concentrates should contain at least 1% but not more than 20% suitable emulaifier or surfactant blend, Petroleum-derived oils should contain at least 1% autable emulaifies.

Broadlest and gress control: For posternergence control of those weeds listed under Proplant 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.

Broadlest control: For posternergence control of those weeds listed under Poetemergence with emulaifiable ell er ell concentrate in water, broadcast 2.4 pts:/A plus emulaifiable oil or oil concentrate before pigweed and lambaquariers reach 8 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. Proceutions: For applications with emulaifiable oil or oil concentrate in water; (1) Inbred lines or any breeding stock may be severely injured by applications with emulaifiable oil or oil concentrate. (2) Adding other insecticides, herbisides, liquid furtilizers, or other materials is not recommended, because they may occur competibility problems or crop mury. (3) Store and handle emulaifiable oil and oil concurrate carefully. Oil contaminated with even a small amount of west may not emulaify properly when according to the tank. A avoid crop injury, (4) Do not apply when crop is under seves from prolonged cold, wet weather, poor fertility, or other factors, or when crop is under seves from prolonged cold, wet weather, poor fertility, or other factors, or when crop is under seves from prolonged cold, wet weather, poor fertility, or other factors, or when crop is under seves from prolonged cold, wet weather, poor fertility, or other factors, or when crop is under seves from prolonged cold, wet weather, poor fertility, or other factors, or when crop is under seves from prolonged cold, wet weather, poor fertility, or other factors, or when crop is under seves from prolonged cold, wet weather, poor fertility, or other factors, or when crop is under seves from prolonged cold, wet weather, poor fertility, or other factors, or when crop is under seves from prolonged cold, wet weather, poor fertility or other factors, or when crop is under seves from prolonged cold, wet

Tank Mixtures for Corn

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

Qual® (metalaction) Lasso or Lasso EC + Rounduo · Dual + Gramosone Extra Lases or Lases EC + Gramozone Extra Dual + Roundup (glyphosate) Gramosone Extra Dual + Princep® Princes 11 Dual + Princes + Gramosone Extra Princec + Gramowone Extra Dual + Princes + Roundus Princeo + Rounduo Bexton® or Ramrod® (propachior) Rounduo Lasso® or Lasso EC (alachior) 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 the labels of the above herbicides refer to atrazine 80W, use equivalent rates of Atrazine 4L. One 1b. of 80W equals 1.6 pts. of 4L.

Princep 80W, Princep 4L, or Princep Caliber 90°

In addition to the weeds listed under Atrazine 4L Applied Alone - Corn or Grain Sorghum - Preplant Surface-Applied, Preplant Incorporated, 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 orabgrass and fall panicum, Cultivate shallowly if weeds develop.

Preplant Surface-Applied: Use on medium- and fine-textured soils with minimumtillace or no-tillace systems only in CO, IA, IL, IN, KS, KY, MN, MO, MT, ND, NE, SD, WI,

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and WY. Apply the recommended rate of Atrazine 4L and Princep shown in Table 2 up to 45 days prior to planting. Refer to the Atrazine 4L alone section for information if weeds should develop following the early treatment. On coarse-textured soils, do not apply more than two weeks prior to planting. Refer to the Atrazine 4L Alone-Preplant Surface-Applied section of the corn label for additional details.

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

Hote: 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: Apply to the soil and incorporate in the spring before, during, or after final seedbed preparation. 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 SOW, Princep Caliber 90, or Princep 4L labels for further directions, limitations, and precautions.

Table 2: Tank Mixtures with Princes on Corn

	Broedcast Rate/A			
	1:1 Ratio*		1:2 Ratio**	
Soll Texture	This Product	Princep sow1	This Product	Princep 80W1
Sand, loamy sand, sandy loam	2 pts.	1.25-lbs.	1.32 pcs.	1.57 lbs.
Loam, sitt loam, sitt, clay loam, sandy clay loam, sity clay loam, sandy clay, or sity clay with low organic matter	2.4 pts.	1.5 lbs.	1.6 pts.	2 lbs.
Loam, slit toam, slit, clay toam, sandy clay toam, slity clay toam, sandy clay, or sity clay with medium to high organic matter, and clay (including dark prairie soils of the Corn Belt)	3 per.	1, 3 lbs.	1,92 pcs.	2.4 lbs.

^{*} For control of most weeds.

Princep 80W, Princep 4L, of Princep Caliber 90 pive Roundup: Use as tank mixture for preemergence and postemergence control of certain broadlesf and grass weeds where com 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 limitations.

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 nunioni surfactant, such as Aquagene 90. Continue Mitation during application. Broadcast 2-4 pt; of this product plus 1.25 - 2.5 lbs. of Pri cep 80W (or 2 -4 pts. of Princep 4L, or 1.1 - 2.2 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. 0.5 pt. of a nonionic surfactant, such as Aquagene 90, 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 Gramowone Extra.

Proceutions: For all applications to com: (1) To avoid crop injury and illegal residues, do not apply more than 2.5 be./A active ingredient (6 pts./A of this product) per calendar year. (2) For best control of velvetical and cocklebut, the application rate cannot be less than 2 bs./A active ingredient, either alone or in tank mix combinations. (3) Following narvest, plow (moldboard or dish-plow) and thoroughly till soil in fell or spring to minimize possible injury to spring-seeded rotational crops, repartiess of rate used.

Note for all applications to com: Do not graze or leed lorage from treated areas for 21 days following application, or illegal residues may result.

Sorghum and Sorghum-audan Hybride (Grain and Forage Types)

Preplant Surface Applied (Broadlest and grees control): Use on medium- and fine-textured soil with minimum-tillage or no tilege systems only in CQ tA. IL. IN. KS. KY. MN, MO, MT, ND, NE, SD, WI, and WY. Apply the recommended rate of Atrazine 4L shown in Table 3 up to 45 days prior to planting. If an unsatisfactory length of weed control results

^{**} For control of expected heavy infestations of crabgrass and fall panicum.

¹ When using Princep Caliber 90 or Princep 4L, use equivalent rates. One lb. of Princep 80W equals 0.8 lb. of Princep Caliber 90 or 1.8 pts. of Princep 4L.

from adverse environmental conditions following early treatment, a follow-up application of an appropriately labeled herbicide may be used. If the follow-up treatment includes atrazine, do not exceed the labeled rate for corn indicated in Table 1. Under dry conditions, irrigation after application is recommended to move 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, Gramosone 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 (Broadlesf 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 titled or worked after application, evold deep incorporation. For best results, apply within two weeks prior to planting.

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

Posternergence (Broedleef and grass control): Apply at rate shown in Table 3 before weeds exceed 1.5 inches in height and before sorghum exceeds 12 inches in height.

Table 3: Broadleaf and Grass Weed Control in Sorghum 1.2

FOR ALL SOIL APPLICATIONS PRIOR TO CROP EMERGENCE

• On Highly Eradible Salls (as defined by SCS)

If conservation tiltage is practiced, leaving at least 30% of the soil covered with plant residues at planting, apply a maximum of 4 pts./A as a proadcast 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 8 broadcast spray.

FOR POSTEMERGENCE APPLICATION

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

¹ Do not apply preplant surface or preplant incorporated in AL, AR, FL, GA, LA, MS, NC, NM, OK, SG, TN, or TX. Do not apply preemergence in NM, OK, or 1X, except in northeast OK and the TX Gulf Coast and Stacklands areas.

In case of planting failure, sorghum or com may be replanted. Do not make a second proedcast application, or injury may occur. If onginally applied in a band and sorghum or com is replanted in untreated row middles, this product may be applied in a band to the second planting provided the maximum application rose of 2.5 fbs. al/A strating per calendar year is not exceeded.

Preemergence broadlest weed control in hymer trajected bedde a sorghum (AZ and CA only): For preemergence control of many broadlest weeds, broadcast 1.5-2.4 pts./A after bed preparation, during or after planting, but before sorghum and weeds emerge and before the first furrow impation. Follow with several regular impations, making sure to thoroughly wet all soil.

Precautions for preemergence application to furrow k-ligated Ledded Jorgium in AZ and CA: To avoid possible sorghum injury, do not use on sand or loamy sand soll or on sorghum planted in furrows. Applications to sorghum growing on alkall solts or where cuts, filts, or erosion have exposed calcareous or alkall subsolts may cause crop injury, in case of crop fallure, do not replant sorghum for 8 months following application. Com may be planted immediately.

Postemergence broadlest weed control with emulaitlable oil or oil concentrate in watert Broadcast 2.4 pts./A for control of many broadlest weeds. Apply before pigweed and lambaquarters reach 6 inches in height and before all other weeds reach 4 inches in height. In CO, western KS, NM, OK, TX, and desert regions of AZ and CA, apply when sorghum is 6-12 inches in height. In all other areas, apply after sorghum reaches the 3-leaf stage but before it exceeds 12 inches in height. Add 1 gal, of emulaitable oil/A for ground application and 0.5 gal./A for senal application, or add 1 gt./A of oil concentrate for ground application. A cultivation may be necessary if all weeds are not controlled or if weeds regrow.

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

Preceutions for applications with emulsifiable oil or oil concentrate in water. See "Preceutions for applications with emulsifiable oil or oil concentrate in water" in Com section.

Postsmergence broadlest weed control with surfactant (CO, weetern 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 grop injury. On 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 narvest, plow (molabourd or disk-plow) and thoroughly till soil in hall or spring to minimize possible injury to apring-seeded rotational crops, regardless of rate used. (4) Injury may occur if both this harbicide, preplant aurisos, preplant incorporated, or preemergence, and an explanting systemic insecticide applied in-furrow are used. (5) Do not apply mare than 2.5 ibs, active ingredient (5 pts. of this product) per acre per calendar yeat. (6) For all soil applications prior to crop emergence (except for preemergence use on bedded sorghum in AZ and CA), do not apply to coarse-textured soils, i.a., sand, loamy sand, sandy loam, or to medium- and fine-textured soils having less than 14s organic matter, or injury may occur. (7) For post-emergence applications, do not apply to sand or loamy sand, or minury may occur.

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Where there are state/local requirements regarding strazine use (including lower maximum rates and/or greater setbacks) 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.

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

Tank Mixtures for Grain Sorghum

Dua 1 8E: Use as tank mixture with Dual 8E for control of those weeds listed on the Dual 8E label, as well as on this label, Use this tank mixture only on sorghum seed freized with Concep®. Refer to the Dual 8E label for all directions, precautions, and limitations,

Winter Weed Control In Texas

For postemergence control of winter weeds only, such as henbit, seedling dock, and annual thistle on fall bedded land in the Gulf Coast and Blacklands of TX. 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 Aquagene 90, at the rate of 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 lorage sorghum crop.

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

Atrazine 4L Alone - Chemical Fallow

Wheet-Sorghum-Fallows To control annual broadlest and grass weeds tollowing wheat harvest and in the following sorghum crop when grown under minimum bilage, broadcast 6 pts. At the wheat stubble immediately following wheat harvest. If weeds are present a application, remove them with a sweep plow or other suitable implementation 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 the list of weeds controlled, see Atrazine 4L Applied Alone-Corn or Grain Sorghum-Preplant Surface-Applied, Preplant Incorporated, or Preemergence.

Precautions: (1) Use only on all loam or liner restured soll or crop injury may result. (2) Wheel-sorghum-fallow cropping sequence must be followed. (3) Do no. apply following sorghum hervest.

Note: To avoid litegal residues, do not graze or feed forupe from treated are a to investock. To avoid litegal residues and crop injury, do not plant any crop other than mose on this label within 18 months following treatment.

Wheel-Corn-Fallow (KS, NE): This product controls cheargrass (downy brome, chess), tochia, mustards, pigweed, Russian thietle, wild lettuce, wild sunflower, and volumeer wheat during period after wheat harvest. Weed control may extend into tollowing corn crop grown under minimum tillags.

Follow directions for use, notes, and precautions in the Wheet-Sorghum-Fallow section above, substituting com for references to sorghum,

Wheet-Fellow-Wheet (CO, KS, ND, NE, SO, and WY): For pre-emergence control of cheetgrass (downy broms, chess), common lambequarters, field pennycress, tochis, mustard, Russian thistie, wild lettuce, and suppression of volunteer wheat during fallow period of a wheet-fallow-wheat rotation, broadcast 1-2 ptsJA on all soits 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)

If weeds are present at Gramoxone Extra: application, a tank mix with Gramoxone Extra may be used. Broadcast 6 pts. of Atrazine 4L plus a suitable amount of Gramoxone Extra in 20-60 gals. of water/A by ground equipment. Add 0.5 - 1 pt. of a nonionic surfactant, such as Aquagene 90, per 100 gals. of spray mixture. Add Atrazine 4L to spray tank thoroughly mix with water. Then add Gramoxone Extra, followed by surfactant. Use the higher rate of Gramoxone Extra specified on the label 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 Extra label for further directions, precautions, and

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

If weeds are present at Gramoxone Extra: application, a tank mix with Gramoxone Extra may be used. Broadcast 1 - 2 pts. of Atrazine 4L plus a suitable amount of Gramoxone Extra in 20 - 60 gals. of water/A by ground equipment. Add 0.5-1 pt. of a nonionic surfactant, such as Aquagene 90, per 100 gals. of spray mixture. Add Atrazine 4L to spray tank first and thoroughly Then add Gramoxone Extra. mix with water. followed by surfactant. Use the higher rate of Gramoxone Extra specified on the label 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 Refer to Gramoxone Extra label fallow period. further directions. precautions. 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 Gramosone Extra, plant at least 2 inches deep and 12 montrie or more after application.

Precautions: To evoid crop injury, (1) Do not use on sand soll, (2) Do not treet eroded hillsides, callche and rocky outcroppings, or exposed calcareous subsoll. (3) Do not treet soits of the Rosebud and Carryon Series in western NE and edjoining countres in CO and WY, (4) Do not treet soils with calcareous surface layers. (5) Avoid apray overlap.

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

Roadsides

To control certain annual weeds in established personnal grasses along roadsides in CO, KS, MT, ND, NE, SD, and WY, including cheatgrass (downy brome, chess), common

(annual) broomweed, little barley, medusahead, segewort, 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 preenup and before weeds emerge. Examples of desirable established grasses include big bluestern, bluegrama, bromegrass, buffalograss, crested, wheatgrass, Indiangrass, little bluestern, side-oats grama, switchgrass, and Western wheatgrass. Apply only once per year. Temporary discoloration or other form of injury to the desirable perential grasses may occur following application.

Notes: To avoid illegal residues. (1) Do not out or feed roadside grass hay, (2) Do not allow investock to graze treated anilas.

Sugarçane

For control of many broadlest and grass weeds, including amaranths, crabgrass. Irreweed, Flora's paintbrush, fortails, junglence and wiregrass, broadcast 4-8 pts./A of 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 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.

Aeriel applications in order to assure that agray 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 pal, and restrict application to penods when wind speed does not exceed 10 mph. To assure that apray 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 pts./A in at least 40 gals, of water as a directed soray by ground equipment prior to close-in. Add 4 qts. of surfactant for each 100 gals. of spray. Thoroughly cover weed tollage.

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For control of alexandergrass, large crabgrass, politiony (artiflery) weed, and apiny amaranth, use one of the following methods at planting or rationing:

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

Louisians

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 program after planting.

Precautions: To evoid crop injury, (1) Do not apply more than 10 qts./A to any one crop of sugarcane. (2) If making 4 pts./A application during summer fallow period, do not exceed 8 qts./A during the remainder of the growing season, or illegal residues may result.

Texas

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

Apply 8 pts./A of Atrazine 4L preemergence. Follow with one or two applications, as needed, at 6 pts./A postemergence to sugarcane and weeds.

For best results when weeds are emerged, add a nonionic surfactant at a concentration of 2 gts./100 gais, 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 adsorptive capacity, or when land is first cropped to sugarcane. (2) Do not apply after close-in. (3) Do not apply more than 20 pts./A to any one crop of sugarcane, or crop injury may result.

Turigrasses for Sod (Florida only)

St. Augustinegrass, Contipodegrass, and Zoyslegrass

Broadcast 4 - 8 pts./A according to soil texture to control those weeds listed under Atrazine 4L Applied Alone-Corn or Grain Sorghum-Preplant Surface-Applied, Preplant Incorporated, or Preemergence.

11		Old beds: Within 2 days after lifting sod.	
Muck or peat	₿ pts.	New bade: 3-4 days after sprigging or plugging.	
Sandy soil 4 pts.		. Old beds: Within 2 days after lifting sod.	
	4 pts.	New beds: 7-10 days after sprigging or plugging	

[&]quot;I woods regrow, apply an additional 4 pts./A on muck or peat, or 2 pts./A on sandy soil.

Processions: To evoid grop injury, (1) Do not apply within 30 days prior to cutting or litting.
(2) Do not apply in combination with surfactants or other spray additives. (3) Use only on turigrass reasonably free of infestations of insects, nematides, and diseases. (4) On newly sprayed turigrass, temporary slowing of growth may follow application.

Turigrass for Fairways, Lewins, Sod Producible 4 and Similar Artis

*In states other than FL. For use on turigrass for sod in FL, see Turigrasses for Sod (Floride only) section above.

Bermudagrass, Centipedegrass, St. Augustinegrass, and Loysiagiass

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 section 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 gals. of water per acre or 1 gal. per 1,000 sq. ft.

Where annual bluegrass is the major weed, use 1 qtJA (22 mi or 0.75 ft. oz. per 1,000 sq. ft.), Use 2 qtsJA (44 mi or 1.5 ft. oz. per 1,000 sq. ft.) for control of the other weeds named above. Do not exceed 1 qtJA per treatment on newly sprigged turigrass or on hybrid permudagrass such as Tiflawn, Tiflway, 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.

Proceutions: On newly sprigged surigrass and hybrid bermudegrass, temporary slowing of growth and yellowing may occur following application. To evoid turl injury, (1) Use only on turigrass reasonably line of infectations of insects, nemetodes, and diseases, (2) Do not use on golf greens, (3) Do not use north of NC (aucept may be used in VA Coastal Plants) or west of the high rainfall areas of eastern OK and eastern TX. (4) Do not use on muck or alkaline soits. (5) Do not apply over the rooting area of trees or oriententsis not issted on this label, (6) Do not overseed with desirable surigrass within 4 months before or 6 months after treatment. (7) Do not apply this product to newly seeded bemudegrass until k has overwintered and has a well-developed fritzome system. Do not exceed 2 qts. product/A within 12 months of seeding bermudegrass.

Note: Do not graze or feed turi clippings to animals, or slegal residues may result.

Mecedemia Nuts

For preemergence control of many broadleaf and grass weeds, including crabgrass, lostail, wiregrass, Flora's paintbrush, spanishneedles, and fireweed, broadcast 4-8 pts./A 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. BEST AVAILABLE COPY

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spray at 4 - 8 pts./A of Atrazine 4L in 20 - 50 gals. of spray 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 fireweed, purslane, scarlet pimpernel, spanishneedles, 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 Atrazine 4L per year.

Contiers

For control of annual broadlest and grass weeds prior to transplanting, after transplanting or in established coniters (including Douglas fit, grand fit, noble fit, white fit, Austrian pine, bishop pine, Jettrey pine, knobcone pine, lobiolly pine, todgepole pine (shore pine), monterey pine, pondeross pine, Scotch pine, slash pine, blue apruce, and Sitta apruce): Broadcast 4-8 pts, in a minimum of 5 pale, of water per acre by air or 10 pale, by ground before weeds are 1.5 inches talt. Apply to established trees between fall and early apring white 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 4L, apply during fall prior to spring transplanting.

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

Ousclights 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 dormain 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 hall application or 3 months after a winter or spring application (2) To prevent Begal 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 Atrazine 4L on 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 are a when used according to label directions, make applications at a maximum height of 10 h. above vegetation, using low drift noticles at a maximum pressure of 40 psi, and restrict application to penods 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.

Storage and Disposal

Storage

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

Perticide 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 nesse is a violation of lederal law. Pesticide, apray mixture, or rineate that cannot be used according to laber instructions must be disposed of according to federal, state or local procedures. For guidance in proper disposal methods, contact your State Pesticide or 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 1-800-424-9300 day or night.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material 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 and Buyer assumes the risk of

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any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

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