

EPA Reg, Number:

Date of Issuance:

1386-660

4-13.07

Term of Issuance:

Unconditional

Name of Pesticide Product:

Atrazine 90

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Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration
X Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Universal Cooperatives, Inc. 1300 Corporate Center Curve Eagan, Minnesota 55121

Mote: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide. Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you agree in writing to:

- 1. Add "of product" or "of Atrazine 90 Herbicide" to "pounds per acre" everywhere it is listed on the label to clarify that the application rate is for the product and not the active ingredient.
- 2. Below the "Ingredients" section, add "this product contains _ lbs. (insert correct amount) of active ingredient per pound of product".
- 3. The "First Aid" section should be moved ahead of the "Hazards to Humans and Domestic Animals" section.
- 4. On page 5 and 8, change Table 1 and 3, "For All Soil Applications Prior to Crop Emergence" to "For All Soil Applications", and modify the statements in the box to read: "Apply a maximum of 2.0 pounds active ingredient per acre (2.2 lbs of product/A) as a single preemergent broadcast application on soils that are not highly erodible or on highly erodible soils (as defined by the Natural Resource Conservation Service) if practicing conservation tillage and at least 30% of the soil surface is covered with plant residues at planting, or Apply a maximum of 1.6 pounds active ingredient per acre (1.8 lbs. of product/A) as a single preemergent broadcast application on highly erodible soils (as defined by the Natural Resource Conservation Service) if less than 30% of the soil surface is covered with plant residues at planting; or 2.0 pounds active ingredient per acre (2.2 lbs. of product/A) if only applied postemergent."

ACCEPTED MIMENTS

Rodenticide Act for the pesticide EPA Rog. No.

ACCEPTED with COMMENTS in EPA Letter Dated

Under the Federal Insecticide. Funzicide, and Rodenticide Act as amended, for the pesticide Western mice FPA

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 PRODUCT 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 90 HERBICIDE

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

KEEP OUT OF REACH OF CHILDREN

REFER TO INSIDE OF LAGIL FIGURES FOR ADDITIONAL PRECAUTIONAL STATFFRENTS, TIRGY ALL STATEMENTS, WORKER PROFESTION STAFFMENTED DIRECTIONS FOR USE, ART STORAGET ARE DISPOSED INCOMPREDENT.

ACTIVE INGREDIENTS:

Atrazine: 2-chloro-4-ethylamino-6-isopropylamino-s-triazine	85.5%
Related Compounds	
INERT INGREDIENTS	10.0%
Total	
Atrazina 90 Harbicida in a Water Dianarcible Granula	

itrazine 90 Herbicide is a Water Dispersible Granule

EPA Reg. No. 1386-660

EPA Est. No. Used Carresponds To Letter in Lot No.: A-1386-OH-1

B-9779-AR-13

Net Weight:

25 Pounds (11.34 kg)

Universal Cooperatives, Inc.

Eagan, MN 55121

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled, or absorbed through skin. Do not breathe dust or spray mist. Avoid contact with eyes, skin or clothing

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are barrier laminate, nithly rubber, neoprene rubber, and viton. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Mixers, loaders, cleaners of equipment or spills, and other handlers exposed to the concentrate must wear:

- Coveralls over long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber, and viton.
- · Chemical-resistant footwear plus socks,
- · Chemical-resistant apron, and
- * A NIOSH approved dust/mist filtering respirator with any N,R,P or HE litter or a NIOSH-approved dust/mist filtering respirator with approval number prefix

Applicators using spray equipment mounted on their backs must wear:

- · Coveralis over long-sleeved shirt and long pants,
- · Chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber, and viton.
- Chemical-resistant footwear plus socks.

All other applicators and all other handlers exposed to the dilute must wear:

- · Long-sleeved shirt and long pants,
- · Shoes plus socks, and
- Chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber, and viton.

Aerial application is prohibited.

See Engineering Controls for additional requirements.

User Safety Requirements

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

Engineering Control Statements

When applicators use enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for abricultural pesticides [40 ... CFR 170.240(d)(5)], 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.
 Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
 Users should 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.

FIRST AID

If Swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- · Have person sip a glass of water if able to swallow.
- Do not induce vamiling unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

If Inhaled:

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

If On Skin or Clothing:

- . Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison controt center or doctor for treatment advice.

If In Eyes:

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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical e nergency information call 1-800-308-1241.

ENVIRONMENTAL HAZARDS

Atrazine can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. Atrazine has been found in ground water, Users are advised not to apply atrazine to sand and loamy sand soils where the water table (ground water) is close to the surface and where these soils are very permeable, i.e., well-drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

Product must not be mixed or loaded within 50 feet of Intermittent streams and rivers, natural or impounded lakes and reservoirs. Product must not be applied within 66 feet of points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 feet of natura, or impounded takes and reservoirs. If this product is applied to highly groups and, the 36 foot buffer or setback from runoff entry points must be planted to crop, or seeded with grass. or other suitable crop.

Product must not be mixed or loaded, or used within 50 factor all walls, including abandoned wells, drainage wells, and sink holes. Operations that involve mixed ing, loading, rinsing, or washing of this product into a from pesholds handing or application equipment or containers within 50 ft. of any well are profit bited, unless. conducted on an impervous par constructed to withstand the Weight of the heaviest load that may be positioned on for moved across the pad. Such a part shall be designed and maintained to contain any product spile of sequences the pad shall be supported by a support of the pad shall be supported by a support of the pad shall be supported by a support of the pad which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unrooted pad shall be of sufficient caractry to contain at a minimum 110% of the capacity of the largest pesticide container or application. equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude propilation from contact with the pad shall have a minimum containment of 100% of the capacity of the rargest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specified minimum containment capacities do not apply to vehicles when delivering pesticide to the mixing/loading sites.

Additional State imposed requirements regarding well head settlacks and operational area containment must be observed.

One of the following restrictions must be used in applying arrazine to tile outened helds containing standards:

Do not apply within 66 left of standards of file-outletted fields.

Apply this product to the entire tile-outletted field and immediately incorporate it to a depth of 2-3 inches in the entire field.

- oppi this product to the entire the building held industry on the copy when a high tree resident parties is practiced. High copy residue management is described as a crop management practice where little or no crop residue is removed from the field during and atter crop harvest

This pesticide is toxic to aguatic invertebrates. Do not apply unoutly to water, to areas where sulface water is present, or to interridal areas below the mean highly water mark. Do not apply when weather conditions layor drift from treated areas. Hunoff and drift from treated areas may be hazardo is to aquatic organisms in meighboring areas. Do not contaminate water when disposing of equipment wash water

DIRECTIONS FOR USE

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

Do not apply this product in a way that will consect workers or other persons feither directly or through drift. Do not apply this product in a way that will consect any person or pet, alther directly or through drift. Accepted had a seed of the area during application. Do not apply this product through any type of any person or pet, alther directly or through any type of any person or enter the treated area until sprays have direct. Only projected had been producted until applying application. Do not apply this product through any type of any person. When the treat provides of any person of a perso

ANY USE OF THIS PRODUCT IN AN AREA WHERE USE IS PROHIBITED IS A VIOLATION OF FEDERAL LAW. Before using this product, you must consult the Atrazine Watershed Information Center (AWIC) to determine whether the use of this product is prohibited in your watershed. AWIC can be accessed through [www.atrazine watershed into], or [1-866-365-3014]. If use of this product is prohibited in your watershed, you may return this product to your point of purchase or contact Universal Cooperatives, Inc. for a refund.

Aerial application is prohibited

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, nursenes, and greenhouses, and handlers 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 this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. Exception: If the product is soil-injected or soilncorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area I there will be no contact with anything that has been

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:

- Coveralis,
- Shoes plus socks, and
- Shoes plus socks, and
 Chemical resistant gloves, such as any water proof material.

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 acricultural 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 or allow others to enter until sprays have dried.

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 THROUGH ANY TYPE OF IRRIGATION SYSTEM.

General Information

This herbicide controls many annual broadleaf and grass weeds in corn, sorghum, sugarcane, and certain other crops specified on this fabel. 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 Agricultural Extension Service for spe-

Since this product acts mainly through root absorption, its effectiveness depends on moisture to move it into the root zone, if weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

This product is 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 crop injury 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 sprayers equipped with nozzles that provide accurate and uniform application. Be certain that nozzles are uniformly spaced and are the same size. Calibrate sprayer before use and recalibrate at the start of each season and when changing carriers. Unless otherwise specified, use a minimum of 10 gals, of spray mixture per acre for all preplant incorporated, preplant surface, pree nergence, and posterne gence applications (with or without oil or surfactant) with ground equipment.

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

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

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

band width in inches

broadcast rate

amount needed

row width in inches

per acre

per acre of field

Application in water or liquid fertifizer. Nitrogen solution or complete liquid fertifizer may replace all or part of the water as a carrier for preemergence preplant incorporated, or preplant surface ground application on core and sorghum. Check the compatibility of this product with liquid fertifizer and/or nitrogen solution as shown below before use. Do not apply in nitrogen solution or complete liquid fertifizer after corn or sorghum emerges, or crop injury may occur.

Compatibility Test: Since liquid lertilizers 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 tertilizers 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 JA. For other spray volumes, make appropriate changes in the ingredients. Check compatibility using this procedure:

- 1 Add 1 pt of fertilizer to each of 2 one-qt, jars with tight lids
- 2. To one of the jars add 1/4 teaspoon or 1.2 millilitiers of a compatibility agent approved for this use, such as Kem Link (1/4 teaspoon is equivalent to 2 pints per 100 gaitons 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; first, flowables next, and emulsifiable concentrates last. After each addition, shake or stir gently to thoroughly mix. The appropriate amount of herbicides for this 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 millitiers to each jar

4 After adding all ingredients, put lids on and tighten, and invert each jar 10 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 2 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, lest the following methods of improving compatibility. (A) sturry the dry herbicide(s) in water before addition, or (B) a tid 1/2 of the compatibility agent to the fertilizer and the other 1/2 to the emulsihable 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 senously 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 biend
- 2 Petroleum-derived oil containing at least 1% suitable emulsifier.

NOTE: .tn the event of a compatibility problem when mixing oil with Atrazine 90 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 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 creates a rippling or rolling action on the liquid surface. (5) Pour product directly from container into tank. (6) Continue filling tank until 90% full. Increase agitation if necessary to maintain surface action. (7) Add emulsifiable oil, oil concentrate, or tank mix herbicide(s) after this product is thoroughly suspended. (8) Finish filling tank. (9) Empty tank as completely as possible before retitling to prevent buildup of oil or emulsifiable concentrate residue. Maintain acitation 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 Uses: (1) Do not rotate to any crop except corn or sorghum until the following year, or injury may occur. (2) II applied after June 10, do not rotate with crops other than corn or sorghum the next year, or crop injury may occur. (3) In the High Plains and Intermountain areas of the West where raintall is sparse and erratic or where irrigation is required, use only when corn or sorghum is to follow corn or sorghum or when a crop of untreated corn or sorghum is to precede other rotational crops. (4) In eastern parts of the Dakotas, KS, western MN, and NE, do not rotate to soybeans if the rate applied to corn or sorghum was more than 2.2 pounds/A or equivalent band application rate, or soybean injury may occur. (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 90 Applied Alone - Corn or Grain Sorghum*

Preplant Surface-Applied, Preplant Incorporated, or Preemergence (or Postemergence at 2.2 lbs/A With Oil)

Broadleaf and Grass Weeds Controlled

barnyardgrass (watergrass)***

wild oats

groundcherry iimsonweed

annual morningglory mustards

purslane ragweed sicklepod"

giant foxtail** green foxtail***

witchgrass (Panicum capillare)*** yellow foxtail***

kochia lambsquarters nightshade pigweed

velvetleaf (buttonweed)***

cocklebur** Postemergence with Emulsifiable Oil or Oil Concentrate in Water (at 2.4 pts/A)

Broadleaf Weeds Controlled

large (hairy) crabgrass**

annual morningglory cocklebur

iimsonweed lambsquarters

mustards pioweed

ragweed smartweed wild buckwheat velvetleaf"

- * Where there are state/local requirements regarding atrazine 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.
- Partial control only
- *** Partial control only on medium- and fine-textured soils.

Corn

Preplant Surface-Applied (Broadleaf and grass control): Use on medium- and fine-textured soil with minimum-tillage 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 Atrazine 4L shown in Table 1 up to 45 days prior to planting. On coarsetextured soils, do not apply more than 2 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 tabeled herbicide may be used. If the follow-up treatment includes a razine, do not exceed the labeled rate for corn indicated in Table 1.

If weeds are present at the time of treatment, apply in 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 soif out of the row or move untreated soif to the surface during planting, or weed control will be diminished.

Preplant Incorporated (Broadleaf 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 2 weeks prior to planting.

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

Postemergence (Broadleaf and grass control): Apply before weeds exceed 1.5 inches in height and before corn reaches 12 inches in height at rate in Table 1.

Table 1: Broadleaf and Grass Weed Control in 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 a maximum of 2.2 lbs://A as a broadcast spray. If the soil coverage with plant residue is less than 30% at planting, a maximum of 1.8 lbs/A may be applied.
- . On Soils Not Highly Erodible

Apply 2.2 lbs./A as a broadcast spray.

FOR POSTEMERGENCE APPLICATION

If no atrazine was applied prior to corn emergence, apply a maximum of 2.2 lbs./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 (2.8 lbs. of this product) per acre per calendar year.

Where there are state/local requirements regarding atrazine 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.

^{*} 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 1.3 lbs./A, either preplant surface, preplant incorporated, or preemergence. On other soils in these areas, apply rate in Table 1 for broadleaf and grass control.

Princeo + Bramoxone Extra

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

Type Oil	Ground Application
Oil Concentrate (Crop or Petroleum-derived)	1 qt. A
Petroleum-derived oil	1 gal /A

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

Broadleaf and grass control: For posternergence control of those weeds listed under Preplant Incorporated and Preemergence, broadcast 4 pts /A plus emulsifiable oit or oit concentrate after weed emergence, but before weeds reach 1.5 inches in height and before corn reaches 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 lambsquarters reach 6 inches in height and before all other weeds reach 4 inches in height. A cultivation may be necessary if all weeds are not controlled or if weeds regrow

Precautions For applications with emulsifiable oil or oil concentrate 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 unjury. (3) Store and handle emulsiliable oil and oil concentrate carefully. (ii) contaminated with even a small amount of water may not emulsify properly when added to the lank. To avoid crop injury, (4) Do not apply when crop is under stress from prolonged cold, well weather, poor fertility, or other factors, or when crop is well and succulent from recent rainfall. (5) Do not exceed 2.5 lbs. active ingredient for 5 pts. of this product) per acre per calendar year. (6) Postemergenca applications to corn must be made before corn reaches 12 inches in height.

Corn and Sorghum Uses: 1.8%

- * Field corn lorage uses: 60-day PHI
- Sweet corn forage uses: 45-day PHI
- Preemergent sorghum torage uses: 60-day PHI
- · Postemergent sorghum forage uses: 45-day PHI

Postemergence applications to corn and sorghum must be made before crop reaches 12 inches in height

Maximum broadcast application rates for com and sorghum must be as follows:

- If no alrazine was applied prior to combargence, apply a maximum of 2 to all A broadcast. If a posternergence freatment is required following an ear lier herbicide application, the total atrazine applied may be exceed 2.5 lb al/A per calendar year.
- · Apply a maximum of 2.0 to aVA as a single preemergence application on soils that are not highly erodible or on highly erodible soils if at east 30% of the soil is covered with plant residues; or
- Apply a maximum of 1.6 th aVA as a single preamergence application on highly erodible soils it <80% of the surface is covered with plan residues; or 2.0 th avA. If only applied postemergence.

Tank Mixtures for Corn

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

Dual® (metolachior) Dual + Princep + Gramoxone Extra Lasso or Lasso EC + Roundup

Dual + Gramoxone Extra Dual + Princep + Roundup Lasso Dr Lasso EC + Gramoxone Extra Princen + Boundua

Dual + Roundup (glyphosate) Bexton® or Ramrod® (propachior) Gramoxone Extra Roundup Dual + Princeo®

Sulan + ® Lasso® or Lasso EC (alachior) Princed

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 90. One pound of 80W equals 0.9 (i) of Atrazine 90. Princep 80W, Princep 4L, or Princep Caliber 90®

In addition to the weeds listed under Atrazine 90 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 lor control of most weeds. Use the 1.2 ratio for expected heavy infestations of crabgrass and fall particum. Cultivate shallowly if weeds develop

Preplant Surface-Applied: Use on medium- and fine-textured soils with minimum-tillage or no-tillage systems c CO, IA, IL, IN, KS, KY, MN, MO, MT, ND, NE, SD, WI, and WY. Apply the recommended rate of Atrazine 90 and Princep shown in Table 2 up to 45 days prior to planting. Refer to the Atrazine 90 alone section for intormation if weeds should develop following the early treatment. On coarse-textured soils, do not apply more than 2 weeks prior to planting. Refer to the Atrazine 90 Applied 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, 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: Apply to the soil and incorporate in the spring before, during, or after final seedbed preparation. Avoid deep incorporation. For best results, apply within 2 weeks prior to planting

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

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

Table 2:Tank Mixtures with Princep on Corn

	Broadcast Rate/Acre			
	1:1 Ratio		1:2 Ratio**	
Soil Texture	This Product	Princep 80W1	This Product	Princep 80W1
Sand, loamy sand, sandy loam	1.1 lbd	1.25 lbs	0.73 lbs.	1.67 lbs
Loam, silt loam, silt, clay loam, sandy clay loam, silty clay loam, sandy clay, or silty clay with low organic matter	1.3 lbs.	1.5 lbs.	0.88 lbs	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)	1.6 lbs.	1.8 lbs.	1.07 lbs	2.4 lbs.

^{*} For control of most weeds.

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 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 nonionic surfactant, such as Aquagene 90. Continue agitation during application. Broadcast 1.1-2.2 lbs. of this product plus 1.25-2.5 lbs. of Princep 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. Add 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 Gramoxone Extra.

Precautions: For all applications to com: (1) To avoid crop injury and itlegal residues, do not apply more than 2.8 ibs./A of this product per year. (2) For best control of velvetleaf and cocklebur, the application rate cannot be less than 2 lbs./A active ingredient, either alone or in tank mix combinations. (3) Following harvest, plow (mold-board or disk-plow) and thoroughly till soil in tall 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 Hybrids (Grain and Forage Types)

Preplant Surface-Applied (Broadleaf and grass control): Use on medium- and fine-textured soil with minimum-tillage or no-fillage systems only in CO, IA, IL, IN, KS, KY, MN, MO, MT, ND, NE, SD, Wi, and WY. Apply the recommended rate of Atrazine 90 shown in Table 3 up to 45 days 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 corn indicated in Table 1. Under dry conditions, irrigation after application is recommended to move Atrazine 90 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 2 weeks prior to planting.

[&]quot; For control of expected heavy infestations of crabgrass and fall panicum.

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.

Preemergence or At-Planting (Broadleaf and grass control): Apply during or shortly after planting, but prior to weed or crop emergence at rate shown in Table 3 Postemergence (Broadleaf and grass control): Apply at rate shown in Table 3 before weeds exceed 1.5 inches in height and before sorghum reaches 12 inches in height

Table 3: Broadleaf and Grass Weed Control in Sorghum1,2

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 a maximum of 2.2 lbs./A as a broadcast spray if the soil coverage with plant residue is less than 30% at planting, a maximum of 1.8 lbs./A may be applied
- . On Soils Not Highly Erodible

Apply 2.2 lbs./A as a broadcast spray

FOR POSTEMERGENCE APPLICATION

If no atrazine was applied prior to sorghum emergence, apply a maximum of 2.2 lbs./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 (2.8 lbs. of this product) per abre per calendar year

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

Where there are state/local requirements regarding atrazine 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 posticide control agency for additional information, it is a violation of this label to deviate from state use regulations.

In case of planting failure, sorghum or corn may be replanted. Do not make a second broadcast application, or injury may occur. If originally applied in a band and sorghum or corn is replanted in untreated row middles, this product may be applied in a band to the second planting provided the maximum application rate of 2.5 (bs ai/A atrazine per calendar year is not exceeded.)

Preemergence broadleaf weed control in furrow irrigated bedded sorghum (AZ and CA only): For preemergence control of many troadleaf weeds, broadcast 0.9-1.3 lbs/A after bed preparation, during or after planting, but before sorghum and weeds emerge and before the first furrow irrigation. Follow with several regular irrigations, making sure to thoroughly wet all soil.

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

Postemergence broadleaf weed control with emulsifiable oil or oil concentrate in water: Broadcast 1.3 lbs:/A for control of many broadleaf weeds, Apply before pigweed and lambsquarters reach 6 inches in height and before all other weeds reach 4 inches in height. In CO, western KS, NM, OK, TX, and desert regions of AZ and CA, apply when sorghum is 6-12 inches in height, but before it reaches boot stage. In all other areas, apply after sorghum reaches the 3-leaf stage, but before it reaches line in height. Add 1 gal, of emulsifiable oil per acre for ground application and 0.5 gal./A for aerial application, or add 1 quart 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 90 Applied Alone – Corn or Grain Sorghum – Postemergence with Emulsifiable Oil or Oil Concentrate in Water.

Precautions for applications with emulsifiable oil or oil concentrate in water see "Precautions for applications with emulsifiable oil or oil concentrate in water in Corn section.

Postemergence broadleaf weed control with surfactant (CO, western KS, NM, OK, TX, and desert regions of AZ and CA only): Broadcast 1.3 lbs./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 turrow-planted sorghum until furrows are leveled (plowed in). Level deep planter marks or seed furrows before application. (2) Application to sorghum growing under stress caused by minor element deficiency or to sorghum growing on highly calcareous soil may result in crop injury. (3) Following harvest, plow (moldboard or disk-plow) and thoroughly till soil in fall or spring to minimize possible injury to spring-seeded rotational crops, regardless of rate used. (4) Injury may occur if both this herbicide, preplant surface, preplant incorporated, or preemergence, and an at-planting systemic insecticide applied in-furrow are used. (5) Do not apply more than 2.5 lbs. active ingredient (2.8 lbs. of this product) per acre per calendar year. (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.e., sand, loamy sand, sandy loam, or lo 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 application, or illegal residues may result.

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Corn and Sorghum Uses:

- Field com forage uses: 60-day PHI
- Sweet corn forage uses: 45-day PHI
- Preemergent sorghum forage uses: 60-day PHI
- Postemergent sorghum forage uses: 45 day PHI

Postemergence applications, to com and sorghum must be made before crop reaches 12 inches in height

Maximum broadcast application rates for corn and sorghum must be as follows:

- If no atrazine was applied prior to com/sorghum emergence, apply a maximum of 2 lb aVA broadcast. If a postemergence treatment is required following an ear fier herbicide application, the total atrazine applied may be exceed 2.5 to aVA per calendar year.
- Apply a maximum of 2.0 to al/A as a single preembrgance application on solls that are not highly erodible or on highly erodible soils if at least 30% of the soil is oovered with plant residues; or
- Apply a maximum of 1.6 lb al/A as a single preemergence application on highly erodible soils if <90% of the surface is covered with plant residues; or 2.0 lb al/A: if only applied posternargence.

Tank Mixtures for Grain Sorghum

Dual 8E: Use as tank mixture with Dual 8E for control of those weeds tisted on the Dual 8E label, as well as on this label. Use this tank mixture only on sorghum seed treated 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 beaded land in the Gulf Coast and Blacklands of TX. Apply 0.9-1.1 lbs./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./A

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.

Atrazine 90 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 3.3 bs/A to wheat stubble immediately following wheat harvest. If weeds are present at application, remove them with a sweep plow or other suitable implement after application, or use an approved contact herbicide before or after the application of Atrazine 90. 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 90 Applied Alone - Corn or Grain Sorghum - Preplant Surface-Applied, Preplant Incorporated, or Preemergence. Precautions: (1) Use only on silt loam or fine-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 (CO, KS, ND, NE, SD, and WY): 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.

For soils in North and South Dakota with a pH of 7.5 or of select Da not apply more than 1.5 pounds fighte ingredient per acre for any application. Do not apply more than one application per year

For soils in North and South Dakota with a pri of their than 2.5. Do not apply righe than 2.0 pounds an he ingredient par agree for any application. Do not apply

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Tank Mixtures for Chemical Fallow

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

Gramoxone Extra: If weeds are present at application, a tank mix with Gramoxone Extra may be used. Broadcast 3.3 lbs. of Atrazine 9(1 plus a suitable amount of Gramoxone Extra in 20-60 gals, of water per acre by ground equipment. Refer to the Gramoxone Extra label for the appropriate rates to utilize in this tank mixture. Add 0.5-1 pt. of a nonionic surfactant, such as Aquagene 90, per 100 gals, of spray mixture. Add Atrazine 90 to spray tank first and 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 limita-

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

Gramoxone Extra: If weeds are present at application, a tank mix with Gramoxone Extra may be used. Broadcast 0.5-1.1 ibs. of Atrazine 90 plus a suitable amount of Gramoxone Extra in 20-60 gals, of water per acre by ground equipment, Add 0.5-1 pt. of a nonionic surfactant, such as Aquagene 90, per 100 gals, of spray mixture. Add Atrazine 90 to spray tank first and 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 limitations. If weeds are present at application and this product is used alone, use either an approved contact herbicide before or after treatment, or tillage after treatment.

Use tillage to control weeds which escape during fallow period. Till before planting. For this product applied alone or in tank mixture with Gramoxone Extra, plant at least 2 inches deep and 12 months or more after application.

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 subsoil. (3) Do not treat soils of the Rosebud and Canyon Series in western NE and adjoining counties in CO and WY. (4) Do not treat soils with calcareous surface layers. (5) Avoid spray overlap.

Note: Do not graze treated areas within 6 months after application, or illegal residues may result.

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 1.1 lbs./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, bluegrama, bromegrass, buffalograss, crested wheatgrass, indiangrass, fittle bluestern, 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.

Do not apply more than 1.0 pounds active ingredient persons for any applications Do not apply more than one application per year.

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

Conservation Reserve Program (CRP)(NE, OK, OR, and TX)

For control or suppression of the following weeds: annual ragweeds, barryardgrass, black nightshade, cheat, cocklebur, downy brome, fall panicum, field pennycress, giant foxfail, yellow foxfail, Japanese brome, Kentucky bluegrass, kochia, lambsquarters, little barley, marestail, pigweed, prickly lettuce, smooth brome, and sunflower, refer to the directions, notes, and precautions below:

Pure stands of newly seeded big bluestem, switchgrass, and eastern gamegrass.

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

Establishment: Broadcast 2.2 lbs/A of Atrazine preplant incorporated or preemergence at time of seeding and prior to emergence of weeds. Prepare a good firm seedbed. Plant 1/2 inch deep with a grassland drill (preferred method) or a conventional drill. If a conventional drill is used on prepared seedbeds, remove all tension from the disk openers. For best results, cultipack or roll after planting.

Renovation of existing stands of big bluestern and switchgrass planted on CRP acres.

Broadcast 1.1-2.2 lbs/A to existing stands of big bluestern and switchgrass prior to the emergence of weeds. Use the low rate on soils containing from 1-2% organic matter. Use the high rate on soils with 2% or more organic matter.

Renovation of existing stands of the following perennial range grasses planted on CRP acres.

Blue grama, indiangrass, little bluestem, sand lovegrass, sideoats grama, and western wheatgrass.

Broadcast 0.6-1.1 lbs/A in the spring prior to weed emergence, or in the fall before the ground freezes and prior to weed emergence after these species have been established for at least one growing season for control or partial control of the weeds listed above. Use the low rate for weeds controlled or suppressed easily. Use the higher rate on other weeds claimed in an earlier section of this label.

Point apply more than 2 pounds active ingredient per acre for any application. Do not make more than one application per year and the second of the second o

Precautions: To avoid crop injury, make only one application per year. Slight discoloration of desirable grasses may occur following treatment. Injury may be enhanced when used on neutral or alkaline soils.

SEVERE DROUGHT CONDITIONS

Do not graze forage or cut forage for hay. Under severe drought conditions, the Conservation Reserve Program allows grazing and making of hay from CRP acres, as so specified by the local ASCS (Agricultural Stabilization & Conservation Service) office. This label does not allow grazing or making of hay from CRP acres that have been treated with atrazine under any circumstance.

Sugarcane

For control of many broadleaf and grass weeds, including amaranths, crabgrass, tireweed, Flora's paintbrush, foxtails, junglerice, and wiregrass, broadcast 2.2-4.4 lbs/A of Atrazine 90 at time of planting or rationing, but before sugarcane emerges. Broadcast or band by ground equipment in a minimum of 20 gals/A, unless indicated otherwise. One additional application may be made over the sugarcane as it emerges, and 2 additional applications may be made intertine after emergence as directed sprays. Repeat treatments, where needed, may be applied broadcast, band, or intertine 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.

Do not apply more than 4.0 pounds active ingredient per acre for any application. Do not apply more than 10.0 pounds active ingredient per acre per year.

Note: Where high rates of Afrazine 90 are used, apply in a minimum of 1 gal of water for each 1 lb. of product applied per acre.

Florida

For control of emerged petition, weed, Apply 0.4-0.6 fbs /A in at least 40 dats of water as a directed soray by provind equipment.

For control of emerged petitiony weed Apply 0.4-0.6 fbs /A in at least 40 gats of water as a directed spray by ground equipment prior to close-in. Add 4 qts of surfactant for each 100 gats of spray Thoroughly cover weed foliage

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

- 1 Apply 4.4 lbs://A preemergence. Follow with 1 or 2 applications as needed, postermergence to sugarcane and weeds, at 2.2 lbs://A. Tre if before weeds exceed 1.5 inches in height.
- 2. Apply 1-3 times, as needed, at 2.2 lbs/A posternergence to sugarcane and weeds. Treat before weeds exceed 1.5 inches in height

For control of annual weeds during the summer fallow period, apply 2.2 lbs./A to weed-free beds immediately after bed formation. Follow normal weed control program after planting

Precautions To avoid crop injury. (1) Do not apply more than 11 lbs: A to any one crop of sugarcane. (2) If making 2.2 lbs://A application during summer fallow period, do not exceed 8.8 lbs://A during the remainder of the growing season, or illegal residues may result.

Texa

Use Atrazine 90 for control of barnyardgrass, pigweed, purstane, and sunflower, in plant or ration sugarcane

Apply 4.4 lbs/A of Atrazine 90 preemergence. Follow with 1 or 2 applications, as needed, at 3.3 lbs/A post-emergence to sugarcane and weeds

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

Precautions (1) Injury to sugarcane may occur when under moisture stress, when soil is of low absorptive capacity, or when land is first coopped to sugarcane. (2) Do not apply after close-in. (3) Do not apply more than 11 lbs./A to any one crop of sugarcane, or crop injury may result

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Turfgrasses for Sod (Florida only)

St. Augustinegrass, Centipedegrass, and Zoysiagrass

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Broadcast 2.2-4.4 lbs./A according to soil texture to control those weeds listed under Atrazine 90 Applied Alone - Corn or Grain Sorghum - Preplant Surface-Applied, Preplant Incorporated, or Preemergence,

Muck or peat soils	4 4 lbs	Old beds: Within 2 days after lifting sod New beds: 3-4 days after sprigging or plugging
Sandy Soils	2.2 lbs.	Old beds: Within 2 days after lifting sod. New beds: 7-10 days after sprigging or plugging.

If weeds regrow, apply an additional 2.2 lbs/A on muck or peat, or 1.1 lbs/A on sandy soil

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

Turfgrass for Fairways, Lawns, and Sod Production*

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

Bermudagrass, Centipedegrass, St. Augustinegrass, and Zoysiagrass

Apply Atrazine 90 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 90 will control annual bluegrass even if it is emerged at time of treatment. For control of summe, annual weeds listed in the preemergence section of the Atrazine 90 Applied Alone – Corn or Grain Sorghum section of this label, also apply Atrazine 90 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 1.1 lbs/A of Atrazine 90 (0.4 ft. oz. per 1,000 sq. ft.). Use 2.2 lbs./A (0.8 ft. oz. per 1,000 sq. ft.) for control of the other weeds named above. Do not exceed 1.1 lbs/A per treatment on newly sprigged turgrass or on hybrid bermudagrass such as Tiflawn, Tifway, and Ormond.

For continued summer annual weed control, apply another 1.1 lbs./A at least 30 days after the previous application, but not after April 15. However, do not make more than 2 applications of this product per year

Do not apply more than 1.0 pounds acrive ingredient per acre for any application. Do not apply more than 2.0 pounds acrive ingredient per acre per year.

Precautions: On newly sprigged turtgrass and hybrid bermudagrass, temporary slowing of growth and yellowing may occur following application. To avoid turt injury, (1) Use only on tudgrass reasonably free of infestations of insects, nematodes, and diseases. (2) Do not use on golf greens. (3) Do not use north of NC (except may be used in VA Coastal Plains) or west of the high rainfall areas of eastern OK and eastern TX. (4) Do not use on muck or alkaline soils. (5) Do not apply over the rooting area of trees or ornamentals not listed on this label. (6) Do not overseed with desirable turfgrass within 4 months before or 6 months after treatment. (7) Do not apply this product to newly seeded bermudagrass untit it has overwintered and has a well-developed rhizome system. Do not exceed 2.2 lbs. product per acre within 12 months of seeding bermudagrass.

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

Sod Farm Uses:

For muck or peat solls:

- 以蘇聯、衛門等等 Do not apply more than 4 pounds active ingredient per acre for any application.
- Do not apply more than 6 pounds active ingredient per year.

- Do not apply more than 2 pounds active ingretient per acte for any application.
- Do not apply more than 3 pounds active ingredient per year.

Macadamia Nuts

For preemergence control of many broadleaf and grass weeds, including crabgrass, foxtail, wiregrass, Flora's paintbrush, spanishneecies, and fireweed, broadcast 222005/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.

De not apply more, than 4 pounds active ingredient per acre for any application. Do not apply more than 6 pounds active ingredient per year as a second control of the cont

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Guava

Use only on established plantings which are at least 18 months old. Apply as a directed spray at 2.2-4.4 lbs./A of Atrazine 90 in 20-50 gals, of spray mix preemer gence or early postemergence to weeds. When applying postemergence, the use of a surfactant and greater spray volume (80-100 gals. cf spray mix per acre) may enhance weed control. This product controls many annual broadleaf and grass weeds, including fireweed, purstane, scartet pimpernet, 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 frequently 4 pounds active ingredient per acre for any application. (4) Do not apply more than 8 pounds active ingredient 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, loblofly pine, lodgepole pine (shore pine), monterey pine, ponderosa pine, Scotch pine, slash pine, blue spruce, and Sitka spruce): Broadcast 10 gals, by ground before weeds are 1.5 inches tall. Apply to established trees between fall and early spring while trees are dormant. For new transplants, apply during or soon after transplanting. For applications prior to transplanting, allow sufficient precipitation to activate A-razine 90 before transplanting. In areas where spring and summer rainfall is inadequate to activate Atrazine 90, apply during fall prior to spring transplanting

For the list of weeds controlled, see Atrazine 90 Applied Alone - Corn or Grain Sorghum - Preplant Surface-Applied, Preplant Incorporated, or Preemergence. Quackgrass control: Broadcast 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 Atrazine 90 on coarse-textured soil. (4) To avoid crop injury, do not apply to seedbeds. (5) Also apply only once per year.

Do not apply more than 4 pounds active ingredient per acre for any application. Do not apply more than 4 pounds active ingredient per year.

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 rinsate is a violation of Federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label 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.

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 cleanup 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 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 apen 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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