

William Mahlburg
 Registr. 'on Manager
 Platte Chemical Company
 150 South Main Street
 Fremont, NE 68025

JUN 14 1990

Dear Mr. Mahlburg:

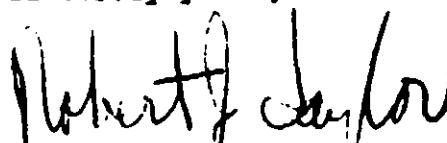
Subject: Atrazine 80 WP
 EPA Reg. No. 34704-490
 Re: Atrazine Voluntary Exposure Reductions Measures
 Your Amendment Submission Dated June 4, 1990

The labeling referred to above, submitted in connection with the Federal Insecticide, Fungicide, and Rodenticide Act, as amended is acceptable with the following comments:

1. Please update "Precautionary Statements" to include: STATEMENTS OF PRACTICAL TREATMENT: IF SWALLOWED: contact your local poison control center, hospital or physician. IF ON SKIN: remove contaminated clothing and wash skin with plenty of soap and water. Get medical attention if irritation persists. IF IN EYES: flush with plenty of water. Get medical attention if irritation persists.
2. Add the following statement where appropriate: "Postemergence application to corn and sorghum must be made before corn and sorghum reaches 12 inches in height."
3. Where applicable, delete the term "boot stage" and larify the 12 inch height restriction.

A Stamped approved copie of your label is attached. Please submit five (5) copies your final printed labels incorporating this amendment and above mentioned comments before you release the product for shipment. All technical and end-use products released for shipment must have amended labels after September 1, 1990.

Sincerely yours,



CONCURRENCES ROBERT J. TAYLOR

SYMBOL	H/2505C				Product Manager (25)	
SURNAME	Mohlberg				Fungicide-Herbicide Branch	
DATE	6/12/90				Registration Division (H7505C)	



RESTRICTED USE PESTICIDE

(GROUND 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 WATER CONCERNS. USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE IN ORDER TO MINIMIZE POTENTIAL FOR ATRAZINE TO REACH GROUND WATER

ATRAZINE 80 WP

ACTIVE INGREDIENTS:	BY WT.
Atrazine (2-chloro-4-ethylamino-6-isopropylamino-s-triazine)	76%
Related Compounds	04%
INERT INGREDIENTS	20%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada amplemente.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

Causes eye irritation. Do not get in eyes or on clothing. Harmful if swallowed, or absorbed through skin. Avoid contact with skin. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse.

In case of contact for skin, wash with plenty of soap and water, for eyes, flush with water for 15 minutes and get medical attention.

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

ENVIRONMENTAL HAZARDS

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

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water or wetlands. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

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

This product may not be reloaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sink holes.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly. Such conditions include, but are not limited to, puncturing or other damage to the container, storage temperature, potential leaking or damage due to stacking, and penetration of moisture.

STORAGE: Store in a cool, dry place. Store in original container only. Store in cool, dry place. Avoid storage under conditions, such as humidity or pallet overhang, that could damage the container.

PERSONAL PROTECTION: Personnel should use clothing and equipment consistent with good pesticide handling practices.

PESTICIDE DISPOSAL: Pesticide residues and containers may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty container into application equipment. Then dispose of empty container by incineration, or by incineration, as allowed by State and local authorities.

SEE ATTACHED BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND COMPLETE DIRECTIONS FOR USE.

EPA REG. NO. 34704-490

EPA EST. NO. _____

NET WEIGHT _____ POUNDS

FORMULATED FOR _____

PLATTE CHEMICAL CO.

10081

150 SO. MAIN STREET

FREMONT, NEBRASKA 68025

EXPOS90

ACCEPTED
with COMMENTS
In EPA Letter Dated

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 34704-490

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RESTRICTED USE PESTICIDE

(GROUND WATER CONCERN)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THESE USES COVERED BY THE CERTIFIED APPLICATOR'S REGISTRATION.

THIS PRODUCT IS A RESTRICTED USE HERBICIDE DUE TO GROUND WATER CONCERN. USER MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE TO AVOID POTENTIAL FOR ATRAZINE TO REACH GROUND WATER.



ATRAZINE 80 WP

ACTIVE INGREDIENTS:	BY WT.
Atrazine (2-chloro-4-ethylamino -6-isopropylamino-s-triazine)	76%
Related Compounds	04%
INERT INGREDIENTS	20%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le entregue el hoyo sido explicado en el empaque.

EPA REG. NO. 34704-490

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EXP05P90

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

Causes eye irritation. Do not get in eyes or on clothing. Harmful if swallowed, or absorbed through skin. Avoid contact with skin. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse. In case of contact, for skin, wash with plenty of soap and water, for eyes, flush with water for 15 minutes and get medical attention. Users are required to wear long sleeve shirts and long pants or equivalent, chemical resistant gloves, and boots (waterproofed). In addition, persons involved in mixing/loading operations are required to use chemical resistant rubber or neoprene gloves and a face shield or goggles.

ENVIRONMENTAL HAZARDS

Atrazine leaches readily and accepted label rates have been found to result in contamination of water supplies by way of groundwater. Therefore, users are advised to avoid use of atrazine in well drained soils, particularly in areas having high groundwater tables. This pesticide is toxic to aquatic invertebrates. Do not apply directly to water or wetlands. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes. Ground water contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material. This product may not be reloaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sink holes.

REENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written and oral warnings must include the following information: "WARNING: Area treated with Atrazine on (date of application). Do not enter without appropriate protective clothing until sprays have dried. "REQUIRED PROTECTIVE CLOTHING: Long sleeved shirt, long

legged pants, rubber forcement and Safety glasses.

In case of accident, describe his condition. STATEMENTS provided.

STORAGE: Store in cool, dry place as humidity or penetration of moisture should use cloth handling. **PESTICIDE DISPOSAL:** may be disposed of in a container. **CONTAINER DISPOSAL:** equipment. The incineration, or burned stay out.

It is a violation of the law with its labeling. Containers used in mixing or flooding will control most annual weeds.

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and certain other crops. It is also effective for control of most annual and many perennial broadleaf and grass weeds in non-crop areas and industrial sites. May be applied before or after weeds emerge. In each case where a range of rates is given, the lower rate should be used on light soils and soils low in organic matter; the higher rate should be used on heavy soils and soils high in organic matter. Since Atrazine 80 WP acts mainly through root absorption, its effectiveness depends on rainfall or irrigation to move it into the root zone. Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control. It is a wettable powder that should be mixed with water and applied as a spray. Make a slurry by adding to water. Pour the slurry into the spray tank during or after filling. Sufficient hydraulic (jet) or mechanical agitation must be provided during mixing and application to keep the material in suspension. Wash sprayer thoroughly after use. It is noncorrosive to equipment and metal surfaces, nonflammable, and has low electrical conductivity.

NOTE: Manufacturer does not recommend the use of Atrazine 80 WP in combination with other herbicides or oils except as specifically described on this label or supplemental labeling distributed by the manufacturer.

GROUND APPLICATION: For uniform distribution in broadcast applications, TeeJet 8003 or 8004 fan type or similar nozzles with openings of equal or greater size should be used. For band applications, use TeeJet 8003-E or 8004-E or similar type nozzles. Screens in nozzles as well as those in suction and in-line strainers should be no finer than 50-mesh size. A suitable pump with capacity to deliver 10 to 12 gpm should be used and operating pressures should be 35 to 40 psi. Use 20 to 40 gallons of water per acre to assure even coverage unless otherwise specified.

AERIAL APPLICATION: Use only where broadcast applications are specified. Apply a minimum of 1 gallon of water for each 1 lb. to 1½ lbs. of Atrazine 80 WP to be applied per acre.

Avoid applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

INSTRUCTIONS FOR SAFE HANDLING: Avoid application directly to humans or animals. Although it is unnecessary for flagmen or loaders to wear protective clothing or equipment, care should be taken to avoid inhalation of dust or spray mist, or prolonged contact with skin. Flagmen and loaders should wash thoroughly before eating and at the end of each day's operation.

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

CORN: The total maximum application rate for all atrazine corn treatments per calendar year is 3 lbs. active ingredient (3¾ lbs. of this product) per acre. One application will control most annual broadleaf and grass weeds such as barnyardgrass, witchgrass (*Panicum capillare*), yellow foxtail, green foxtail, wild oats, large (hairy) crabgrass, giant foxtail, velvetleaf, morningglory, lambsquarters, pigweed, ragweed, nightshade, purslane, and mustard may be applied either before planting, at planting, or after planting using 2½ to 3¾ pounds per acre as indicated below.

For preplant and preemergence applications, nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier for Atrazine 80 WP. Do not apply after corn has emerged as there is danger of liquid fertilizers causing crop injury.

PREPLANT—Broadcast in the spring after plowing at the rate indicated in the table below. Application may be made before, during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation of Atrazine 80 WP. Best results have been obtained when it is applied within two weeks prior to planting.

PREEMERGENCE—Apply during or shortly after planting prior to weed emergence at the rate indicated in the table below.

POSTEMERGENCE—Apply before weeds exceed 1½ inches in height, and before corn is 12 inches tall, at the rate indicated in the table below. When nitrogen solutions are used, direct the spray to avoid corn foliage injury. Agitation in the spray tank during application is essential.

NOTE: For band applications, reduce the broadcast rate in proportion to the area treated.

Soil Texture	Rate per acre of Atrazine 80 WP		
	Broadcast in 20 to 40 gals of water per acre	20 inch Band* in 10 to 20 gals of water per acre	13 inch Band* in 7 to 14 gals of water per acre
Light Soils Sands, Loamy sands and sandy loams	2½ lbs.	1½ lbs.	13 oz.
Medium Soils Silt & clay loams that are low in organic matter	3 lbs.	1½ lbs.	1 lb.
Heavy Soils Silt & clay loams with medium to high organic matter and clays (including the dark prairie soils of the Corn Belt)	3¾ lbs.	1 lb. 14 oz.	1¾ lbs.
Peats, mucks, and high organic clays (Apply postemergence only)	3¾ lbs.	1 lb. 14 oz.	1¾ lbs.

*Based on 40 inch row spacing. For other band or row widths, adjust rate in proportion to the area actually treated.

Postemergence Weed Control with Atrazine 80 WP and Emulsifiable O in water.

The addition of oil to Atrazine 80 WP in water sprays may speed the activity and provide quicker kill of weeds. However, under certain conditions the use of oil may seriously damage corn. To minimize the possibility of damage to corn, follow the directions, procedures and precautions given below.

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GROUND APPLICATION—Broadcast 2½ lbs of Atrazine 80 WP and 1 gallon of emulsifiable oil* in 20 to 40 gallons of water per acre after emergence but before weeds reach 1½ inches in height and before corn is 12 inches tall.

AERIAL APPLICATION—Broadcast 2½ lbs. and ¼ gallon of emulsifiable oil* in not less than 5 gallons of water per acre after weed emergence but before weeds reach 1½ inches in height and before corn is 12 inches tall.

*For combining with Atrazine 80 WP, use a crop oil designated for use with this product containing at least 1 percent suitable emulsifier. Several oils of this type are on the market. Oils contaminated with water or other materials can cause compatibility problems and/or crop injury.

PROCEDURES—(1) Thoroughly clean sprayer prior to use. Do not use sprayer contaminated with 2,4-D or other materials as corn damage or sprayer clogging may result. (2) In a separate container, make a thin slurry of Atrazine 80 WP in water, thoroughly wetting it. (3) Fill the spray tank with water, allowing for the addition of this product. (4) With the agitation system in operation, add the product slurry. (5) Add the emulsifiable oil last. (6) Empty the tank as completely as possible before refilling to prevent a buildup of oil in the tank. (7) If an oil film starts to build up in the tank, drain the tank and clean out with a strong detergent solution or solvent. (8) Clean the sprayer thoroughly immediately after use by flushing the system with water containing a detergent.

NOTE: (1) Do not use oil Atrazine 80 WP sprays when corn is under stress from prolonged cold, wet weather, poor fertility, or other factors or when corn is wet and succulent from recent rainfall as crop injury may occur. (2) Do not use oils in sprays when treating inbred lines or any breeding stock as injury may occur. (3) Adding other insecticides, herbicides, liquid fertilizers, or other materials is not recommended with this product and emulsifiable oil in water because they may cause compatibility problems or crop injury. (4) Store and handle emulsifiable oil carefully. Oil contaminated with even a small amount of water may not emulsify properly when added to the tank. (5) Do not make more than one application of Atrazine 80 WP and emulsifiable oil in water per season.

NORTHERN NUTGRASS OR YELLOW NUTSEDGE (CYPERUS ESCULENTUS) SUPPRESSION—Broadcast 3 lbs. per acre preplant, preemergence, or postemergence before nutgrass is more than 1½ inches high and before corn is 12 inches tall. If applied before nutgrass begins growth, cultivate within 2 to 3 weeks. If applied after nutgrass has emerged, cultivate within 10 to 14 days.

QUACKGRASS SUPPRESSION ON LAND GOING INTO CORN PRODUCTION—Split Application. Broadcast 1 lb. 14 oz. per acre in the spring and plow 1 to 3 weeks later. Broadcast a second application at the rate of 1 lb. 14 oz. per acre in the spring before, during, or after planting but before weeds are 1½ inches high. This split application will suppress both quackgrass and most annual broadleaf and grass weeds.

Single Application: Broadcast 3¾ lbs per acre in the spring. Plow 1 to 3 weeks after application.

PRECAUTIONS—(1) Do not apply more than 3¾ lbs. of this product to corn in any one year. (2) Land treated with this product should not be planted to any crop except corn until the following year or injury may occur. (3) Following harvest of a treated crop, plow (moldboard, or disc-plow) and thoroughly till the soil in the fall or spring to minimize possibly injury to rotational spring-seeded crops, regardless of the rate used. (4) If it is applied after June 10, do not rotate with crops other than corn or sorghum the next year or injury may occur. (5) If Atrazine 80 WP is used at a broadcast rate of 3¾ lbs. per acre (or comparable rate in a band application) with simazine, a crop of untreated corn or sorghum should precede the next rotational crop. (6) In the high plains and intermountain areas of the West where rainfall is sparse and erratic or where irrigation is required, use Atrazine 80 WP to control weeds in corn only when corn is to follow or a crop of untreated corn or sorghum is to precede other rotational crops. (7) In western Minnesota and eastern parts of the Dakotas, Nebraska and Kansas corn treated with this product should not be followed with soybeans if the broadcast rate applied was more than 2½ lbs. per acre (or comparable rate in a band) or injury may occur. (8) 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. (9) Do not graze treated area or feed treated forage to livestock for 21 days following application.

SORGHUM AND SORGHUM-SUDAN HYBRIDS (Grain and Forage Types): The total maximum application rate for all atrazine sorghum treatments per calendar year is 3 lbs. active ingredient (3¾ lbs. of this product) per acre. May be used to control annual broadleaf and grass weeds in sorghum. Apply at the rate indicated in the tables below. Weeds should not be more than 1½ inches high at the time of application and sorghum should be less than 12 inches in height. When making band applications, reduce the broadcast rate per acre in proportion to the area treated.

Preplant** and Preemergence Application (In Eastern and Central Nebraska and Northeast Kansas Only)			
Broadleaf & Grass Weed Control	Rate Per Acre of Atrazine 80 WP		
Soil Texture	Broadcast in 20 to 40 gals. of water/acre	20 Inch Band* in 10 to 20 gals. of water/acre	13 Inch Band* in 7 to 14 gals. of water/acre
Sand to sandy loam, eroded slopes and soils low in organic matter	DO NOT USE		
Other soils (shallow incorporation may improve control)	2½ to 3 lbs.	1¼ to 1½ lbs.	13 oz. to 1 lb.

*based on 40-inch row spacing

**see preplant recommendation for corn

Non-pressure nitrogen solutions or complete liquid fertilizers may be substituted for all or part of the water as a carrier for Atrazine 80 WP. Do not apply nitrogen solutions or fertilizers after crop emergence as damage may result.

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Postemergence Application*					
Weeds to be controlled	Soil Texture	Stage or height of sorghum at treatment	Rate per Acre of Atrazine 80 WP		
			Broadcast in 20 to 40 gals. of water per acre	**20 inch band in 10 to 20 gals. of water per acre	**13 inch Band in 7 to 14 gals. of water per acre
Broadleaf and Grass Weeds	Sand or loamy sand		DO NOT USE		
	Sand loam		SEE BROADLEAF WEEDS BELOW		
	Silt loam to sandy clay loam	Completely emerged	2½ to 3 lbs.	1¼ to 1½ lbs.	13 oz. to 1 lb.
	Oilon and Pullman clay soils	At least 6 inches high	2½ to 3 lbs.	1¼ to 1½ lbs.	13 oz. to 1 lb.
	Silty clay loams and heavier soils	Completely emerged	3¼ lbs.	1 lb 14 oz	1¼ lbs
Broadleaf Weeds	Sandy loams and heavier soils in Oklahoma, New Mexico, Texas, Western Kansas, Colorado and desert regions of Arizona and California only	At least 6 inches high	1½ lbs. plus ¼ to 1½ pts. surfactant	¾ lbs plus ⅜ to ¼ pt. surfactant	½ lb. plus ¼ to ½ pt surfactant

*Up to ~~40~~ 40 inch spacing.
 **Based on 40 inch row spacing.

The addition of oil to postemergence Atrazine 80 WP in water sprays may speed the activity of Atrazine 80 WP and provide quicker kill of annual broadleaf weeds. However, under certain conditions, the use of oil may seriously damage sorghum. To minimize the possibility of damage to sorghum, follow the directions and procedures given below. Apply only in New Mexico, Oklahoma and Texas.

Ground Application: Broadcast 1½ lbs. of Atrazine 80 WP and 1 gallon of emulsifiable oil* in 20 to 40 gallons of water per acre when sorghum is 6 to 10 inches in height and before it reaches the boot stage. Treat before broadleaf weeds reach 6 inches in height.

Aerial Application: Broadcast 1½ lbs. of Atrazine 80 WP and ½ gallon of emulsifiable oil* in no less than 5 gallons of water per acre when sorghum is 6 to 10 inches in height and before it reaches the boot stage. Treat before broadleaf weeds reach 6 inches in height.

*For combining with Atrazine 80 WP, use a crop oil designated for use containing at least 1% suitable emulsifier. Several oils of this type are on the market. Oils contaminated with water or other materials can cause compatibility problems and/or crop injury.

PROCEDURES—(1) Thoroughly clean sprayer prior to use. Do not use sprayer contaminated with 2,4-D or other materials as sorghum damage or sprayer clogging may result. (2) In a separate container, make a thin slurry of Atrazine 80 WP in water, thoroughly wetting the Atrazine 80 WP. (3) Fill the spray tank with water, allowing for the addition of the Atrazine 80 WP. (4) With the agitation system in operation, add the Atrazine 80 WP slurry. (5) Add the emulsifiable oil last. (6) Empty the tank as completely as possible before refilling to prevent a buildup of oil in the tank. Keep the agitation system in operation to avoid a separation of the oil from the water in the spray mixture still remaining in the tank. (7) If an oil film starts to build up in the tank, drain the tank and clean out with a strong detergent solution or solvent. (8) Clean the sprayer thoroughly immediately after use by flushing the system with water containing a detergent.

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NOTE: (1) Do not use in Atrazine 80 WP sprays when sorghum is under stress from prolonged cold, wet weather, poor fertility, or other factors or when sorghum is wet and succulent from recent rain; all as crop injury may occur. (2) Do not use oil in sprays when treating inbred lines or any breeding stock as injury may occur. (3) Adding other insecticides, herbicides, liquid fertilizers, or other materials is not recommended because they may cause compatibility problems or crop injury. (4) Store and handle emulsifiable oil carefully. Oil contaminated with even a small amount of water may not emulsify properly when added to the tank. (5) Do not make more than one application of Atrazine 80 WP and emulsifiable oil in water per season.

PRECAUTIONS: (1) Heavy rains immediately following application tend to result in excessive concentrations of herbicide in seed furrow, resulting in possible crop injury. Applications to furrow-planted sorghum should not be made until furrows are leveled (plowed-in). Deep planter marks or seed furrows should also be leveled before application. (2) Application made to sorghum growing under stress caused by minor element deficiency or to sorghum growing on highly calcareous soils may result in crop injury. (3) Do not plant any rotational crops other than those specified in the Suggestions for Rotational Crops section below for 18 months following application. (4) Do not graze or feed forage from treated areas for 21 days following application. (5) Following harvest of a treated crop, plow (moldboard or disc-plow) and thoroughly till the soil in the fall or spring to minimize possible injury to rotational spring-seeded crops, regardless of rate used.

Suggestions for Rotational Crops: (1) Sorghum or corn may be planted the year following treatment. (2) All other rotational crops may be planted 18 months after application. (3) When the broadcast rate used does not exceed 1½ lbs. per acre, fall wheat may be planted 15 months after application.

CHEMICAL FALLOW: Summer Fallow-Winter Wheat (Pacific Northwest Only): To control annual weeds and grasses such as downy brome grass (cheatgrass) and mustard as well as volunteer grain.

One Year Fallow Program: Broadcast ½ lb. Atrazine 80 WP per acre in combination with dalapon (see product labels or state recommendations for rate). Apply to stubble following fall rains after volunteer grain has begun growth (but not later than January 1). If weeds germinate in the spring, they should be controlled with stubble-mulch tillage.

Do not make a second application. Do not plant spring cereals; follow only with winter wheat.

Two-year Fallow Program: Broadcast 2 lbs. Atrazine 80 WP per acre in combination with dalapon (see product labels or state recommendations for rate). Apply to stubble following fall rains after volunteer grain has begun growth (but not later than January 1). Do not plant any crop for 2 years following application and then only to winter wheat.

PRECAUTIONS: Apply with ground sprayers equipped with mechanical or hydraulic (jet) agitation, using a minimum of 10 gallons of water per acre. Avoid overlapping. Treat only soils classified as silt loam, clay loam, or clay; do not treat sandy soils. Do not graze livestock on growing wheat within 6 months after application.

WHEAT-SORGHUM-FALLOW: To control annual broadleaf and grass weeds following wheat harvest and continuing into the following sorghum crop when grown under minimum tillage. Broadcast 3¼ lbs. per acre to the wheat stubble immediately following wheat harvest. Use 10 to 40 gallons of water per acre to assure thorough coverage. If weeds are present, remove them with a sweep plow or other suitable implement before planting.

NOTE: Sorghum should be planted into wheat stubble in the spring following treatment with minimum disturbance of the soil. 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. Do not apply following sorghum harvest.

PRECAUTIONS: Use only on a silt loam or heavier soil. Wheat-sorghum-fallow cropping sequence must be followed. Do not graze treated area or feed treated forage to livestock. Do not plant treated area to any crop other than those on this label within 18 months following treatment.

SUGARCANE: For control of most nonrhizomatous weeds, such as crabgrass, junglerice, wiregrass, foxtail, amaranths, Flora's paintbrush, fireweed and similar plants: Broadcast 2½ to 5 lbs. per acre in 20 to 50 gallons of water for adequate coverage of the soil surface at time of planting or re-planting, but before the cane emerges. One additional application may be made over the cane as it emerges, and two additional applications may be made interline after emergence, as directed spray.

For control of emerged Petitory Weed (antennary weed) Florida Only: Apply 1 to ¼ lb. per acre in at least 40 gallons of water per acre as a directed spray. Add 2 quarts of surfactant for each 50 gallons of spray and be sure weed foliage is thoroughly covered.

PRECAUTIONS: Do not apply Atrazine 80 WP after "close-in." Do not apply more than 12½ lbs. of Atrazine 80 WP to any one crop of cane.

TURF GRASSES FOR SOD PRODUCTION (St. Augustine, Centipede, an Zoysia Grass): Broadcast 2½ to 5 lbs. per acre according to soil type as indicated below. Apply in 20 to 40 gallons of water per acre for thorough coverage.

Muck	5 lbs.	OLD BED: Within 2 days after lifting of sod
		NEW BEDS: 3 to 4 days after sprigging or plugging
Sandy Soils	2½ lbs.	OLD BEDS: Within 2 days after lifting of sod
		NEW BEDS: 7 to 10 days after sprigging or plugging

Apply additional 2½ lbs. on muck or peat, or 1¼ lbs. on sandy soils, if weed growth recurs.

PRECAUTIONS: Do not apply within 30 days of cutting or lifting. Do not apply Atrazine 80 WP in combination with surfactants or other spray additives as these combinations may cause injury. Do not use north of North Carolina.

MACADAMIA NUTS: For preemergence control of many broadleaf and grass weeds such as crabgrass, foxtail, wiregrass, Flora's paintbrush, Span needles, and fireweed: Broadcast 2½ to 5 lbs. in 50 gallons of water per acre before harvest and just prior to weed emergence. Repeat applications necessary. Do not spray when nuts are on the ground during harvest period. Do not make aerial applications.

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FOREST AND CHRISTMAS TREE PLANTATIONS: Douglas Fir, Grand Fir, Noble Fir, White Fir, Lodgepole Pine, Ponderosa Pine and Scotch Pine (Pacific Northwest—West of Cascades only).

Annual broadleaf and grass weed control: Broadcast 2½ to 5 lbs. in 20 to 40 gallons of water per acre to assure thorough coverage. For band application, reduce the rate of Atrazine 80 WP and volume of water in proportion to the area treated. For example, when treating a 4 foot band over trees planted in rows 8 feet apart, apply 1½ to 2½ lbs. per acre. Apply between fall and early spring while trees are dormant or soon after transplanting and before weeds are 1½ inches high.

Quackgrass control: Broadcast 5 lbs. per acre in 20 to 40 gallons of water for adequate coverage. Apply in fall or early spring while trees are dormant and before weed seedlings are more than 1½ inches high. This application will also control most annual broadleaf and grass weeds.

PRECAUTIONS: Do not graze treated area. Do not apply to seedbeds. Do not make more than one application per year.

NON-SELECTIVE WEED CONTROL ON NON-CROP LAND: Apply Atrazine 80 WP at rates recommended below before or soon after weeds begin growth. Postemergence applications should be made when weeds are young and actively growing. Use the higher rates on heavy clay and muck soils. Do not use near domestic or irrigation water supplies, or lakes, streams, or ponds.

Atrazine 80 WP can be used to provide long-term weed control on industrial sites, highway medians and shoulders, railroad rights-of-way, lumberyards, petroleum tank farms, and in non-crop areas on farms, such as around buildings, equipment and fuel storage areas, along fences and lanes.

Use sufficient water to assure thorough coverage. Use at least 1 gallon of water for each pound of Atrazine 80 WP, more if practical. Mechanical bypass or jet agitation is necessary to keep Atrazine 80 WP in suspension during application.

To control most annual broadleaf and grass weeds (such as barnyardgrass, cheatgrass, crabgrass, lambsquarters, foxtail, ragweed, puncturevine, and turkey mullein): Broadcast 6 to 12½ lbs. per acre.

To control hard-to-kill annual and many perennial broadleaf and grass weeds (such as bluegrass, burcock, Canada thistle, dog fennel, orchardgrass, plantain, quackgrass, purple top, redtop and smooth brome): Broadcast 12½ lbs. per acre. ...

For small areas, 4½ ounces per 1,000 sq. ft. is equivalent to 12½ lbs. per acre.

DISCLAIMER OF WARRANTIES: Seller warrants that the chemical composition of this product conforms to the chemical description given on this label. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS EXPRESSED, IMPLIED OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. Timing rate and method of application, weather and crop conditions, mixtures with chemicals not specifically recommended on this label or an accompanying written recommendation, are beyond the control of seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. Buyer further agrees in the event of damages arising from the use of this product to accept a replacement of the product or a refund of the purchase price of the product at buyer's option, as full discharge of seller's liability. No one is authorized to make any other warranty, guarantee or directions concerning this product and no such warranties, guarantees or directions shall be valid or binding upon seller.

The total maximum application rate for all atrazine non-crop treatments per calendar year is 10 lbs. active ingredient (12½ lbs. of this product) per acre.

FORMULATED FOR
PLATTE CHEMICAL CO.
150 SO. MAIN STREET
FREMONT, NEBRASKA 68025

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