

19713 - 553

08/06/2009

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Luz G. Chan
Registration Manager
Drexel Chemical Company
P.O. Box 13327
Memphis, TN 38113-0327

AUG 06 2009

Subject: Label Notification(s) for Pesticide Registration Notice 98-10 and 2007-4

1. Updated warranty statement
2. Updated first aid statement
3. Other minor changes

Dear Ms. Chan:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2007-4 and 98-10 dated June 16, 2009 for:

EPA Registration 19713-553

DREXEL Simazat 90DF

The Registration Division (RD) has conducted a review of this request for applicability under PR Notices 2007-4 and 98-10 and finds that the label changes requested falls within the scope of PR Notices 2007-4 and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

A handwritten signature in cursive script that reads "Rachel C. Holloman".

Linda Arrington *for*

Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
Washington, DC 20460

 Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 19713-553	2. EPA Product Manager JIM TOMPKINS	3. Proposed Classification <input type="checkbox"/> None <input checked="" type="checkbox"/> Restricted
4. Company/Product (Name) DREXEL SIMAZAT 90DF	PM# 25/Herbicide Branch	
5. Name and Address of Applicant (Include ZIP Code) Drexel Chemical Company P.O. Box 13327 Memphis, TN 38113-0327 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is subject to expedited review of its composition and labeling to: EPA Reg. No. _____ Product Name _____ NOTIFICATION AUG 06 2009	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input checked="" type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of revised label (553DSP-0509* & 553DSP-0509*) per PR Notice 2007-4 and PR Notice 98-10.

Thank you.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
				25 LBS.	1
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1, 2.5, 5, 10, 15, 20, 25, 50 LBS.		5. Location of Label Directions <input type="checkbox"/> On the label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name LUZ G CHAN	Title REGISTRATION MANAGER	Telephone No. (Include Area Code) (901) 774-4370
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Luz G Chan</i> 2009.06.16 17:01:56 -05'00'	3. Title REGISTRATION MANAGER	
4. Typed Name LUZ G CHAN	5. Date June 16, 2009	

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Drexel Chemical Company

June 16, 2009

Submission of Revised Label by Notification per PR Notice 98-10
DREXEL SIMAZAT 90DF (EPA Reg. No. 19713-553)

This notification is consistent with the Provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

FOR DREXEL CHEMICAL COMPANY

LUZ G CHAN

Registration Manager

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RESTRICTED USE PESTICIDE

(GROUND AND SURFACE WATER CONCERNS)

For retail sale 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.



NOTIFICATION

AUG 06 2009

Simazat™ 90DF

Herbicide

For season-long weed control in Corn, Christmas tree plantations and Quackgrass control.

ACTIVE INGREDIENTS:

Atrazine	44.18%
Related compounds	0.83%
Simazine	45.00%

OTHER INGREDIENTS: 9.99%

TOTAL: 100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below

EPA Reg. No. 19713-553

EPA Est. No. 19713-XX-XXX

Net Content: _____

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 vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious or convulsing person.

IF IN EYES:

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

IF ON SKIN OR CLOTHING:

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

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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin, eyes, or clothing. Causes moderate eye irritation. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are polyethylene or polyvinyl chloride. If you want more options, follow the instructions for category A 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 polyethylene or polyvinyl chloride, chemical-resistant footwear plus socks, chemical-resistant apron, and a NIOSH-approved dust/mist filtering respirator with any N, R, P, or HE filter or a NIOSH-approved dust/mist filtering respirator with approval number prefix TC-21C.

Applicators and all other handlers exposed to the dilute must wear: Long-sleeved shirt and long pants, chemical-resistant gloves such as polyethylene or polyvinyl chloride, and shoes plus socks.

Aerial application is prohibited.

See engineering controls for additional requirements.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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.

ENGINEERING CONTROLS

When applicators use enclosed cabs in a manner that meets the requirements listed in the WPS for agricultural 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: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. 3) 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.



Manufactured By:
Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

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ENVIRONMENTAL HAZARDS

Atrazine and Simazine can travel (seep or leach) through soil and can enter groundwater, which may be used as drinking water. Atrazine and Simazine have been found in groundwater. Users are advised not to apply Atrazine and Simazine to Sand and Loamy sand soils where the water table (groundwater) 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 groundwater.

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

This product must not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. This 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 natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or setback from runoff entry points must be planted to crop, or seeded with grass or other suitable crop.

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

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 ft. of any well are prohibited, unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or wash water, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity 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 precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest 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 shipments to the mixing/loading sites. Additional State imposed requirements regarding well-head setbacks and operational area containment must be observed.

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

TILED FIELDS CONTAINING STANDPIPES

One of the following restrictions must be used in applying Atrazine to tile-outletted terraced fields containing standpipes.

- 1) Do not apply this product within 66 feet of standpipes in tile-outletted terraced fields.
- 2) Apply this product to the entire tile-outletted terraced field and immediately incorporate it to a depth of 2 to 3 inches in the entire field.
- 3) Apply this product to the entire tile-outletted terraced field under a no-till practice only when high crop residue management practices are used. High crop residue management practice is described as a crop management practice where little or no crop residue is removed from the field during and after crop harvest.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

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

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) and Simazine Watershed Information Center (SWIC) to determine whether the use of this product is prohibited in your watershed. AWIC can be accessed through www.atrazine-watershed.info, or 1-866-365-3014 while SWIC through www.simazine-watershed.info or 1-888-365-2874. If use of this product is prohibited in your watershed, you may return this product to your point of purchase or contact Drexel Chemical Company for a refund.

AERIAL APPLICATION IS PROHIBITED

Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

USE INFORMATION

SIMAZAT 90DF is a herbicide that should be applied before weeds emerge or following removal of weed growth. It controls a wide variety of annual Broadleaf and Grass weeds when used at selective rates in agricultural and ornamental crops.

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, and the higher rates should be used on Heavy soils high in organic matter.

This product 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.

This product is non-corrosive to equipment and non-flammable.

Care should be taken to avoid using this product where adjacent desirable trees, shrubs, or plants might be injured.

APPLICATION PROCEDURES

Ground Application: For the most uniform distribution of broadcast applications use 80° flat fan type nozzles. For band applications, use flat, even spray nozzles. Screens and strainers should be no finer than 50 mesh. Use a pump with capacity to: 1) provide sufficient hydraulic agitation during mixing and application to keep the material in suspension; and 2) maintain 35 to 40 psi operating pressure.

Use a minimum of 5 gallons of water per acre for pre-plant incorporated, pre-emergence, and post- (without oil or surfactant) applications. Use a minimum of 10 gallons of water per acre for all post-emergence applications combined with surfactant.

Where the amount of water is not specified, apply this product in 20 to 40 gallons of water per acre.

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

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Rate Per Acre for broadcast treatment} = \text{Amount needed for band treatment}$$

THIS PRODUCT IN WATER OR LIQUID FERTILIZER APPLICATIONS

Nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier for pre-emergence and pre-plant applications of this product on Corn. Check the compatibility of this product with liquid fertilizer and/or nitrogen solution before use. Do not apply in nitrogen solution or complete liquid fertilizer after Corn emerges or crop injury may occur. Use 10 to 40 gallons of spray mixture per acre.

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 one-fourth 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. Add this product directly into tank.
6. Continue filling tank until 90% full. Increase agitation, if necessary, to maintain surface action.
7. Add emulsifiable oil, oil concentrate, or tank mix herbicide(s) after this product is thoroughly suspended.
8. Finish filling tank.
9. Empty tank as completely as possible before refilling to prevent buildup of oil or emulsifiable concentrate residue. Maintain agitation to avoid separation of materials.
10. If an oil or emulsifiable concentrate film starts to build up in tank, drain it and clean with strong detergent solution or solvent.
11. Clean sprayer thoroughly immediately after use by flushing system with water containing a detergent.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance.

(Continued)

AGRICULTURAL USE REQUIREMENTS (Cont.)
 It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI). 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 of 12 hours.
 PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: Coveralls, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

CORN

This product may be applied either before planting, at-planting, or after planting as indicated.
 For post-emergence applications, if there has been no previous soil application, the maximum rate of Atrazine active ingredient application is 2 pounds per acre (4.4 pounds of this product). If there has been a previous soil application, do not exceed a total of 2.5 pounds of Atrazine active ingredient (5.5 pounds of this product) per acre per calendar year.

PRE-PLANT INCORPORATED (Broadleaf and Grass Control): Broadcast in the Spring after plowing at the rate indicated in Table 1. Application may be made before, during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation of this product. Best results have been obtained when this product is applied within two weeks prior to planting. Refer to Table 2 for maximum allowable application rates for atrazine active ingredient.
For Pre-plant or Pre-emergence Applications in West KS, Western NE, Eastern CO, Eastern WY, NM, West TX, and the Pan Handle of OK: On Sands, Loamy sands, Sandy loams, mild to strongly alkaline soils and all recently leveled soils, apply 1.33 pounds per acre for Broadleaf weed control. Broadleaf weeds such as Kochia, Lamb-squarters, Nightshade, Pigweed, and Purslane will be controlled. On other soil types in the areas above, make applications at the rate shown in Table 1 for Broadleaf and Grass control.

PRE-EMERGENCE OR AT PLANTING (Broadleaf and Grass Control): Apply during or shortly after planting prior to weed emergence at the rate indicated in Table 1. Refer to Table 2 for maximum allowable rates for Atrazine active ingredient.

POST-EMERGENCE (Broadleaf and Grass Control): Apply before weeds exceed 1.5 inches in height and before Corn exceeds 12 inches in height at the rate indicated in Table 1. Refer to Table 2 for maximum allowable rates for Atrazine active ingredient.

Soil Texture	Broadcast Rate per Acre
LIGHT SOILS: Sands, Loamy sands, and Sandy loams	2.2 lbs.
MEDIUM SOILS: Silt and Clay loams that are low in organic matter	2.6 lbs.
HEAVY SOILS: Silt and Clay loams with medium to high organic matter and Clay (including the dark prairie soils of the Corn Belt)	3.3 lbs.
PEAT, MUCK, AND HIGH ORGANIC CLAYS: apply post-emergence only	3.3 lbs.

APPLICATIONS FOR QUACKGRASS CONTROL ON LAND GOING INTO CORN PRODUCTION

Split Application: Broadcast 2.2 pounds per acre in the Spring and plow 1 to 3 weeks later.
 Broadcast a second application at the rate of 2.2 pounds per acre in the Spring before, during, or after planting, but before weeds are 1.5 inches high. This split application will control both Quackgrass and most annual Broadleaf and Grass weeds.
Single Application: Broadcast 3.3 to 4.4 pounds per acre in the Spring. Plow 1 to 3 weeks after application.
 Applications for Quackgrass suppression in Corn are restricted to a Spring application only. No Fall applications are permitted. Refer to Table 2 for maximum allowable rates for Atrazine.

TANK MIXTURES WITH THIS PRODUCT

When tank-mixing or sequentially applying Atrazine or products containing Atrazine to Corn, do not exceed an application rate of 2.0 pounds Atrazine active ingredient for any single application, and the total pounds of Atrazine applied (lbs. a.i./A) must not exceed 2.5 pounds per acre per year.
 When tank-mixing or sequentially applying Atrazine or products containing Atrazine to crops other than Corn or Sorghum, the total pounds of Atrazine applied (lbs a.i./A) must not exceed the specific seasonal rate limits as noted in the use directions.

THIS PRODUCT Plus Paraquat Tank Mix for No-Till Corn: For control of existing vegetation and residual control where Corn will be planted directly into a cover crop, established sod, or in previous crop residues—Broadcast 2.2 to 3.3 pounds of this product and 1 to 2 pints of paraquat per acre in 20 to 60 gallons of water per acre. Add 8 ounces of non-ionic surfactant per 100 gallons of diluted spray. Add this product to spray tank first and thoroughly mix with water. Add the paraquat and surfactant last.
 Refer to the paraquat label for further directions, limitations, and use precautions.

On Highly Erodible Soils* If conservation tillage is practiced leaving at least 30% of the soil covered with plant residue at-planting, apply a maximum of 2 pounds of Atrazine a.i. per acre (4.4 pounds of this product) as a single pre-emergence broadcast spray. If the soil coverage with plant residue is less than 30% at-planting, a maximum of 1.6 pounds of Atrazine a.i. per acre (3.5 pounds of this product) may be applied.
On Soils Not Highly Erodible* Apply a maximum of 2 pounds of Atrazine per acre (4.4 pounds of this product) as a single pre-emergence broadcast spray.
If no Atrazine was applied prior to Corn emergence, apply a maximum of 2 pounds of Atrazine a.i. (4.4 pounds of this product) per acre broadcast. If a post-emergence treatment is required following an earlier herbicide application, the total Atrazine a.i. applied may not exceed 2.5 pounds (5.5 pounds of this product) per acre per calendar year.
* As defined by the Natural Resource Conservation Service.

USE PRECAUTIONS FOR ALL APPLICATIONS TO CORN

- Do not apply more than the maximum allowable rates of Atrazine active ingredient indicated in Table 2.
- When tank-mixing or sequentially applying Atrazine or products containing Atrazine to Corn, do not exceed an application rate of 2 pounds Atrazine active ingredient for any single application, and the total pounds of Atrazine applied (lbs. a.i./A) must not exceed 2.5 pounds per acre per year.
- Postemergence application to Corn must be made before the crop reaches 12 inches in height.
- Following harvest of a treated crop, plow (moldboard or disk-plow) and thoroughly till the soil in the Fall or Spring to minimize possible injury to rotational spring-seeded crops, regardless of the rate used.
- For Field corn do not harvest for forage within 60 days of application. For Sweet corn, do not harvest forage within 45 days of application.

SUGGESTIONS FOR ROTATIONAL CROPS

- Land treated with this product should not be planted to any crop except Corn or Sorghum until the following year or injury may occur.
- If this product is applied after June 10, do not rotate with crops other than Corn or Sorghum the next year or injury may occur.
- If this product is used at a broadcast rate higher than 2.2 pounds per acre (or comparable rates in a band application), a crop of untreated Corn or Sorghum should precede the next rotational crop.
- In the High Plains and Intermountain area of the West where rainfall is sparse and erratic or where irrigation is required, use this product to control weeds in Corn only when Corn is to follow Corn or a crop of untreated Corn or Sorghum is to precede other rotational crops.
- In Western mountain and Eastern parts of the Dakotas, NE and KS, Corn treated with this product should not be followed with Soybeans if the broadcast rate applied was more than 2.2 pounds per acre (or comparable rate in a band) or injury may occur.

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- 6. Injury may occur to Soybeans planted in North Central IA and South Central MN the year following an application of this product on Canisteo, Harps, Stroden, or other soils having a calcareous surface layer.
- 7. Do not plant Sugar beets, Tobacco, Vegetables (including Dry beans), Spring-seeded small grains, or Small-seeded legumes and grasses the year following application of this product or injury may occur.

CHRISTMAS TREE PLANTATIONS: Douglas fir, Grand fir, Noble fir, White fir, and Scotch pine in the Pacific Northwest – West of Cascade only (Annual Broadleaf and Grass Weed Control): Broadcast 2.2 to 4.4 pounds in 20 to 40 gallons of water per acre to assure thorough coverage. For band applications, reduce rate of this product and volume of water in proportion to the acre treated. For example, when treating a 4 foot band over trees planted in rows 8 feet apart, apply 1.1 to 2.2 pounds per acre.

Apply between Fall and early Spring while trees are dormant or soon after transplanting and before weeds are 1.5 inches high.

Quackgrass Control: Broadcast 4.4 pounds 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 1.5 inches high. This application will also control most annual broadleaf and grass weeds.

USE PRECAUTIONS AND RESTRICTIONS

- 1. Do not graze treated areas.
- 2. Do not apply to seedbeds.
- 3. Do not make more than one application per year.
- 4. Do not apply more than 4 pounds of Atrazine a.i. (8.8 lbs. of this product) per year.
- 5. Do not apply more than 4 pounds of Atrazine a.i. (8.8 lbs. of this product) per acre for any application.
- 6. When tank-mixing or sequentially applying Atrazine or products containing Atrazine to crops other than Corn, the total pounds of Atrazine applied (lbs a.i./A) must not exceed the specific seasonal rate limits as noted in the use directions.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store in a cool, dry location. Avoid storage at high temperatures. Avoid contamination with acids or alkalies. Do not stack more than 2 pallets high. Keep containers away from any source of puncture. Store in original container only. Pesticides should be separated during storage to prevent cross contamination of other pesticides, fertilizer, food, and feed. Storage area should preferably be locked to prevent admittance by unauthorized or unknowledgeable persons. If the container is damaged and leaking, or material has been spilled, follow these procedures:

- 1. Collect and place in suitable container for disposal.
- 2. Wash area with detergent and water and follow with clean water rinse.
- 3. Do not allow runoff to enter sewer or contaminate water supplies.
- 4. Dispose of according to instructions below:

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

CONTAINER DISPOSAL:

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

(Continued)

STORAGE AND DISPOSAL (Cont'd.)

Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container: Refillable container. Refill this container with atrazine and/or simazine only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage, and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

NOTIFICATION

AUG 06 2009

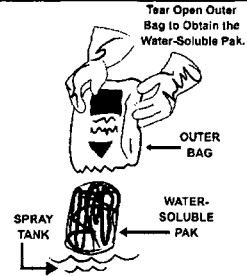
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RESTRICTED USE PESTICIDE

(GROUND AND SURFACE WATER CONCERNS)

For retail sale 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.



Simazat™ 90DF

Herbicide

For season-long weed control in Corn, Christmas tree plantations and Quackgrass control.

ACTIVE INGREDIENTS:

Atrazine	44.18%
Related compounds	0.83%
Simazine	45.00%

OTHER INGREDIENTS:	9.99%
TOTAL:	100.00%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below

EPA Reg. No. 19713-553

EPA Est. No. 19713-XX-XXX

Net Content: _____

FIRST AID	
IF SWALLOWED:	
<ul style="list-style-type: none"> • 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 vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious or convulsing person. 	
IF IN EYES:	
<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice. 	
IF ON SKIN OR CLOTHING:	
<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice. 	
IF INHALED:	
<ul style="list-style-type: none"> • 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. 	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.	
NOTE TO PHYSICIAN: There is no specific antidote for Atrazine. If this product is ingested, induce emesis or lavage stomach. The use of an aqueous slurry of activated charcoal may be considered.	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin, eyes, or clothing. Causes moderate eye irritation. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are polyethylene or polyvinyl chloride. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, flaggers, and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves such as polyethylene or polyvinyl chloride, shoes plus socks and chemical-resistant apron when mixing/loading, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate. See engineering controls for additional requirements.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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.

ENGINEERING CONTROLS

Water-soluble packets when used correctly qualify as a closed mixing/loading system under the Worker Protection Standard (WPS) for Agricultural Pesticides [40 CFR 170.240(d)(4)].

Mixers and loaders using water-soluble packets must: Wear the personal protective equipment required on this labeling for mixers and loaders, and be provided and have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown, chemical-resistant footwear.

Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR 170.240(d)(6)].

Pilots must wear the PPE required on this labeling for applicators, however, they need not wear chemical-resistant gloves when using an enclosed cockpit.

Flaggers supporting aerial applications must use an enclosed cab that meets the definition on the WPS for Agricultural Pesticides [40 CFR 170.240(d)(5)] for dermal protection.

When applicators use enclosed cabs in a manner that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(5)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Manufactured By:

Drexel Chemical Company

P.O. BOX 13327, MEMPHIS, TN 38113-0327

SINCE 1972

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USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. 3) 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.

ENVIRONMENTAL HAZARDS

Atrazine and Simazine can travel (seep or leach) through soil and can enter groundwater, which may be used as drinking water. Atrazine and Simazine have been found in groundwater. Users are advised not to apply Atrazine and Simazine to Sand and Loamy sand soils where the water table (groundwater) 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 groundwater.

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

This product must not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. This 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 natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or setback from runoff entry points must be planted to crop, or seeded with grass or other suitable crop.

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

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 ft. of any well are prohibited, unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or wash water, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity 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 precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest 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 shipments to the mixing/loading sites. Additional State imposed requirements regarding well-head setbacks and operational area containment must be observed.

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

TILED FIELDS CONTAINING STANDPIPES

One of the following restrictions must be used in applying Atrazine to tile-outletted terraced fields containing standpipes.

- 1) Do not apply this product within 66 feet of standpipes in tile-outletted terraced fields.
- 2) Apply this product to the entire tile-outletted terraced field and immediately incorporate it to a depth of 2 to 3 inches in the entire field.
- 3) Apply this product to the entire tile-outletted terraced field under a no-till practice only when high crop residue management practices are used. High crop residue management practice is described as a crop management practice where little or no crop residue is removed from the field during and after crop harvest.

SPRAY DRIFT MANAGEMENT

Avoiding spray at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to

avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outermost nozzles on the boom must not exceed three-fourths the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information** section below.

Aerial Drift Reduction Advisory Information

Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see **Wind, Temperature and Humidity, and Temperature Inversions**).

Controlling Droplet Size

- Volume – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of nozzles – Use the minimum number of nozzles that provide uniform coverage.
- Nozzle Orientation – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle Type – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.

Boom Length

For some use patterns, reducing the effective boom length to less than three-fourths of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc).

Wind

Drift potential is lowest between speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential.

Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions.

Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas

This pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive area).

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

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

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) and Simazine Watershed Information Center (SWIC) to determine whether the use of this product is prohibited in your watershed. AWIC can be accessed through www.atrazine-watershed.info, or 1-866-365-3014 while SWIC through www.simazine-watershed.info or 1-888-365-2874. If use of this product is prohibited in your watershed, you may return this product to your point of purchase or contact Drexel Chemical Company for a refund.

USE INFORMATION

SIMAZAT 90DF is a herbicide that should be applied before weeds emerge or following removal of weed growth. It controls a wide variety of annual Broadleaf and Grass weeds when used at selective rates in agricultural and ornamental crops.

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, and the higher rates should be used on Heavy soils high in organic matter.

This product 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.

This product is non-corrosive to equipment and non-flammable. Care should be taken to avoid using this product where adjacent desirable trees, shrubs, or plants might be injured.

APPLICATION PROCEDURES

Ground Application: For the most uniform distribution of broadcast applications use 80° flat fan type nozzles. For band applications, use flat, even spray nozzles. Screens and strainers should be no finer than 50 mesh. Use a pump with capacity to: 1) provide sufficient hydraulic agitation during mixing and application to keep the material in suspension; and 2) maintain 35 to 40 psi operating pressure.

Use a minimum of 5 gallons of water per acre for pre-plant incorporated, pre-emergence, and post- (without oil or surfactant) applications. Use a minimum of 10 gallons of water per acre for all post-emergence applications combined with surfactant.

Where the amount of water is not specified, apply this product in 20 to 40 gallons of water per acre.

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

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Rate Per Acre for broadcast treatment} = \text{Amount needed for band treatment}$$

THIS PRODUCT IN WATER OR LIQUID FERTILIZER APPLICATIONS

Nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier for pre-emergence and pre-plant applications of this product on Corn. Check the compatibility of this product with liquid fertilizer and/or nitrogen solution before use. Do not apply in nitrogen solution or complete liquid fertilizer after Corn emerges or crop injury may occur. Use 10 to 40 gallons of spray mixture per acre.

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 one-fourth 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. Add this product directly into tank.
- 6. Continue filling tank until 90% full. Increase agitation, if necessary, to maintain surface action.
- 7. Add emulsifiable oil, oil concentrate, or tank mix herbicide(s) after this product is thoroughly suspended.
- 8. Finish filling tank.
- 9. Empty tank as completely as possible before refilling to prevent buildup of oil or emulsifiable concentrate residue. Maintain agitation to avoid separation of materials.
- 10. If an oil or emulsifiable concentrate film starts to build up in tank, drain it and clean with strong detergent solution or solvent.
- 11. Clean sprayer thoroughly immediately after use by flushing system with water containing a detergent.

DIRECTIONS FOR WATER-SOLUBLE BAGS

Paks containing this product are water-soluble. Do not allow pak to become wet prior to adding to the spray tank. Do not handle paks with wet hands. To prepare the spray mixture, drop the required number of unopened paks into spray tank while filling with the appropriate amount of water. Operate the agitator while mixing. Depending on the water temperature and the degree of agitation, the paks should be completely dissolved in approximately 5 minutes from the time they are added to the water. Use the specified dosage of this product in the amount of water necessary to give complete coverage. Determine the total amount to be added to the spray tank based on the rates in the "CROP" section.

Note: Products containing Boron and/or fertilizers will prevent the water-soluble packet from dissolving. Boron and/or fertilizer products must only be added after packet(s) have completely dissolved.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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 (REI). 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 of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: Coveralls, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

CORN

This product may be applied either before planting, at-planting, or after planting as indicated.

For post-emergence applications, if there has been no previous soil application, the maximum rate of Atrazine active ingredient application is 2 pounds per acre (4.4 pounds of this product [1 pak per 5.6 acres]). If there has been a previous soil application, do not exceed a total of 2.5 pounds of Atrazine active ingredient (5.5 pounds of this product [1 pak per 4.5 acres]) per acre per calendar year.

PRE-PLANT INCORPORATED (Broadleaf and Grass Control):

Broadcast in the Spring after plowing at the rate indicated in Table 1. Application may be made before, during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation of this product. Best results have been obtained when this product is applied within two weeks prior to planting. Refer to Table 2 for maximum allowable application rates for atrazine active ingredient.

For Pre-plant or Pre-emergence Applications in West KS, Western NE, Eastern CO, Eastern WY, NM, West TX, and the Pan Handle of OK:

On Sands, Loamy sands, Sandy loams, mild to strongly alkaline soils and all recently leveled soils, apply 1.33 pounds per acre [1 pak per 18.7 acres] for Broadleaf weed control. Broadleaf weeds such as Kochia, Lambsquarters, Nightshade, Pigweed, and Purslane will be controlled. On other soil types in the areas above, make applications at the rate shown in Table 1 for Broadleaf and Grass control.

PRE-EMERGENCE OR AT PLANTING (Broadleaf and Grass Control): Apply during or shortly after planting prior to weed emergence at the rate indicated in Table 1. Refer to Table 2 for maximum allowable rates for Atrazine active ingredient.

POST-EMERGENCE (Broadleaf and Grass Control): Apply before weeds exceed 1.5 inches in height and before Corn exceeds 12 inches in height at the rate indicated in Table 1. Refer to Table 2 for maximum allowable rates for Atrazine active ingredient.

TABLE 1 FOR CONTROL OF BROADLEAF AND GRASSES	
Soil Texture	Broadcast Rate per Acre
LIGHT SOILS: Sands, Loamy sands, and Sandy loams	2.2 lbs. [1 pak per 11.3 acres]
MEDIUM SOILS: Silt and Clay loams that are low in organic matter	2.6 lbs. [1 pak per 9.6 acres]
HEAVY SOILS: Silt and Clay loams with medium to high organic matter and Clay (including the dark prairie soils of the Corn Belt)	3.3 lbs. [1 pak per 7.5 acres]
PEAT, MUCK, AND HIGH ORGANIC CLAYS: apply post-emergence only	3.3 lbs. [1 pak per 7.5 acres]

APPLICATIONS FOR QUACKGRASS CONTROL ON LAND GOING INTO CORN PRODUCTION

Split Application: Broadcast 2.2 pounds per acre [1 pak per 11.3 acres] in the Spring and plow 1 to 3 weeks later.

Broadcast a second application at the rate of 2.2 pounds per acre [1 pak per 11.3 acres] in the Spring before, during, or after planting, but before weeds are 1.5 inches high. This split application will control both Quackgrass and most annual Broadleaf and Grass weeds.

Single Application: Broadcast 3.3 to 4.4 pounds per acre [1 pak per 5.6 to 7.5 acres] in the Spring. Plow 1 to 3 weeks after application.

Applications for Quackgrass suppression in Corn are restricted to a Spring application only. No Fall applications are permitted. Refer to Table 2 for maximum allowable rates for Atrazine.

TANK MIXTURES WITH THIS PRODUCT

When tank-mixing or sequentially applying Atrazine or products containing Atrazine to Corn, do not exceed an application rate of 2.0 pounds Atrazine active ingredient for any single application, and the total pounds of Atrazine applied (lbs. a.i./A) must not exceed 2.5 pounds per acre per year.

When tank-mixing or sequentially applying Atrazine or products containing Atrazine to crops other than Corn or Sorghum, the total pounds of Atrazine applied (lbs a.i./A) must not exceed the specific seasonal rate limits as noted in the use directions.

THIS PRODUCT Plus Paraquat Tank Mix for No-Till Corn: For control of existing vegetation and residual control where Corn will be planted directly into a cover crop, established sod, or in previous crop residues – Broadcast 2.2 to 3.3 pounds [1 pak per 7.5 to 11.3 acres] of this product and 1 to 2 pints of paraquat per acre in 20 to 60 gallons of water per acre. Add 8 ounces of non-ionic surfactant per 100 gallons of diluted spray. Add this product to spray tank first and thoroughly mix with water. Add the paraquat and surfactant last.

Refer to the paraquat label for further directions, limitations, and use precautions.

TABLE 2 MAXIMUM BROADCAST APPLICATION RATES OF ATRAZINE ACTIVE INGREDIENT FOR CORN
On Highly Erodible Soils* If conservation tillage is practiced leaving at least 30% of the soil covered with plant residue at-planting, apply a maximum of 2 pounds of Atrazine a.i. per acre (4.4 pounds of this product) [1 pak per 5.6 acres] as a single pre-emergence broadcast spray. If the soil coverage with plant residue is less than 30% at-planting, a maximum of 1.6 pounds of Atrazine a.i. per acre (3.5 pounds of this product) [1 pak per 7.1 acres] may be applied.
On Soils Not Highly Erodible* Apply a maximum of 2 pounds of Atrazine per acre (4.4 pounds of this product) [1 pak per 5.6 acres] as a single pre-emergence broadcast spray.
If no Atrazine was applied prior to Corn emergence, apply a maximum of 2 pounds of Atrazine a.i. (4.4 pounds of this product) per acre broadcast. If a post-emergence treatment is required following an earlier herbicide application, the total Atrazine a.i. applied may not exceed 2.5 pounds (5.5 pounds of this product) per acre [1 pak per 4.5 acres] per calendar year.
* As defined by the Natural Resource Conservation Service.

USE PRECAUTIONS FOR ALL APPLICATIONS TO CORN

1. Do not apply more than the maximum allowable rates of Atrazine active ingredient indicated in Table 2.
2. When tank-mixing or sequentially applying Atrazine or products containing Atrazine to Corn, do not exceed an application rate of 2 pounds Atrazine active ingredient for any single application, and the total pounds of Atrazine applied (lbs. a.i./A) must not exceed 2.5 pounds per acre per year.
3. Postemergence application to Corn must be made before the crop reaches 12 inches in height.
4. Following harvest of a treated crop, plow (moldboard or disk-plow) and thoroughly till the soil in the Fall or Spring to minimize possible injury to rotational spring-seeded crops, regardless of the rate used.
5. For Field corn, do not harvest for forage within 60 days of application. For Sweet corn, do not harvest forage within 45 days of application.

SUGGESTIONS FOR ROTATIONAL CROPS

1. Land treated with this product should not be planted to any crop except Corn or Sorghum until the following year or injury may occur.
2. If this product is applied after June 10, do not rotate with crops other than Corn or Sorghum the next year or injury may occur.
3. If this product is used at a broadcast rate higher than 2.2 pounds per acre (or comparable rates in a band application), a crop of untreated Corn or Sorghum should precede the next rotational crop.
4. In the High Plains and Intermountain area of the West where rainfall is sparse and erratic or where irrigation is required, use this product to control weeds in Corn only when Corn is to follow Corn or a crop of untreated Corn or Sorghum is to precede other rotational crops.
5. In Western mountain and Eastern parts of the Dakotas, NE and KS, Corn treated with this product should not be followed with Soybeans if the broadcast rate applied was more than 2.2 pounds per acre (or comparable rate in a band) or injury may occur.
6. Injury may occur to Soybeans planted in North Central IA and South Central MN the year following an application of this product on Canisteo, Harps, Stroden, or other soils having a calcareous surface layer.
7. Do not plant Sugar beets, Tobacco, Vegetables (including Dry beans), Spring-seeded small grains, or Small-seeded legumes and grasses the year following application of this product or injury may occur.

CHRISTMAS TREE PLANTATIONS: Douglas fir, Grand fir, Noble fir, White fir, and Scotch pine in the Pacific Northwest – West of Cascade only (Annual Broadleaf and Grass Weed Control):

Broadcast 2.2 to 4.4 pounds in 20 to 40 gallons of water per acre [1 pak per 5.6 to 11.3 acres] to assure thorough coverage. For band applications, reduce rate of this product and volume of water in proportion to the acre treated. For example, when treating a 4 foot band over trees planted in rows 8 feet apart, apply 1.1 to 2.2 pounds per acre [1 pak per 11.3 to 22.7 acres].

Apply between Fall and early Spring while trees are dormant or soon after transplanting and before weeds are 1.5 inches high.

Quackgrass Control: Broadcast 4.4 pounds per acre [1 pak per 5.6 acres] 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 1.5 inches high. This application will also control most annual broadleaf and grass weeds.

USE PRECAUTIONS AND RESTRICTIONS

1. Do not graze treated areas.
2. Do not apply to seedbeds.
3. Do not make more than one application per year.
4. Do not apply more than 4 pounds of Atrazine a.i. (8.8 lbs. of this product) [1 pak per 2.8 acres] per year.
5. Do not apply more than 4 pounds of Atrazine a.i. (8.8 lbs. of this product) [1 pak per 2.8 acres] per acre for any application.
6. When tank-mixing or sequentially applying Atrazine or products containing Atrazine to crops other than Corn, the total pounds of Atrazine applied (lbs. a.i./A) must not exceed the specific seasonal rate limits as noted in the use directions.

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STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

PESTICIDE STORAGE: Store in a cool, dry location. Avoid storage at high temperatures. Avoid contamination with acids or alkalies. Do not stack more than 2 pallets high. Keep containers away from any source of puncture. Store in original container only. Pesticides should be separated during storage to prevent cross contamination of other pesticides, fertilizer, food, and feed. Storage area should preferably be locked to prevent admittance by unauthorized or unknowledgeable persons. If the container is damaged and leaking, or material has been spilled, follow these procedures:

1. Collect and place in suitable container for disposal.
2. Wash area with detergent and water and follow with clean water rinse.
3. Do not allow runoff to enter sewer or contaminate water supplies.
4. Dispose of according to instructions below:

WATER-SOLUBLE PAKS: Carefully open outer bag. Never open the water-soluble pouch.

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

CONTAINER DISPOSAL:

Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container: Refillable container. Refill this container with atrazine and/or simazine only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage, and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

NOTIFICATION

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