

19713-567

7/10/2007

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

JUL 10 2007

Ms. Luz Chan  
Drexel Chemical Company  
1700 Channel Ave, P.O. Box 13327  
Memphis, TN 38113-0327

Subject: Atrazine 4%  
EPA Registration Number 19713-567  
Application dated May 24, 2007

Dear Ms. Chan:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended is acceptable, provided you make the following changes before you release the product for shipment.

- 1) On page 1, remove the statements "Wash thoroughly after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse" from the section PRECAUTIONARY STATEMENTS.
- 2) Revise "Suggested amount of water" to "Minimum amount of water" in the table on page 2.
- 3) On page 2, revise the statement "This one quart (32 fl ozs) [bottle][package] of this product will treat 3, 720 sq. ft. of listed grasses" to "One quart (32 fl ozs) of this product will treat 3, 720 sq. ft. of listed grasses"
- 4) On page 2, revise the statement "Do not apply the entire container to an area less than 3,720 sq. ft." to "Do not apply one quart of this product to an area less than 3,720 sq. ft."

Submit one (1) copy of final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclosed for your records. If you have any questions, please contact Hope Johnson at 703-305-5410.

Sincerely,

A handwritten signature in black ink, appearing to read "James A. Tompkins".

James A. Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

JUL 10 2007

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

19713-567

Drexel

# Atrazine 4%

## St. Augustine Weed Killer

For the control of both emerged weeds and weeds from seeds in St. Augustinegrass and Centipedegrass, use 5 teaspoonfuls per 100 square feet.

### ACTIVE INGREDIENTS:

Atrazine .....	4.00%
Related compounds .....	0.08%

OTHER INGREDIENTS: ..... 95.92%

TOTAL: ..... 100.00%

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

See FIRST AID Below  
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-567

EPA Est. No. 19713-MS-001

Net Contents: \_\_\_\_\_

### 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 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. 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 or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling and before eating drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before re-use.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear long-sleeved shirt, long pants, chemical-resistant gloves and shoes plus socks.

### 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. Then wash thoroughly and put on clean clothing. Remove clothing/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 can travel (seep or leach) through soil and can enter groundwater which may be used as drinking water. Atrazine has been found in groundwater. Users are advised not to apply atrazine 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.

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.

### DIRECTIONS FOR USE

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

**NOT FOR USE ON TURF BEING GROWN FOR SALE OR OTHER COMMERCIAL USE AS SOD, OR FOR COMMERCIAL SEED PRODUCTION, OR FOR RESEARCH PURPOSES.**

**GENERAL PRECAUTIONS AND RESTRICTION; Do not apply this product in a way that will contact any persons or pet, either directly or through drift. Keep people and pets out of the area during application.**

**Do not allow people or pets to enter the treated area until sprays have dried.**

**IMPORTANT:** Read the entire Directions for Use, all precautions, and the Conditions of Sale and Warranty before using this product.

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

### APPLICATION PROCEDURES

- Do not use near adjacent desirable plants or in greenhouse, or injury may occur.
- To avoid spray drift, apply with a coarse low pressure spray.
- Do not apply under windy conditions.
- Avoid spray overlap.
- This product is to be mixed with water only. Combinations with other chemicals in the application mixture are not recommended.
- Do not apply when temperatures exceed 90°F.
- Use only on healthy turfgrass which is not under heat or drought stress and reasonably free of infestations of insects, nematodes, and diseases.
- Applications during the summer should be limited to spot treatment only.
- Do not use on muck or alkaline soils.
- Do not use over rooting area of trees, ornamentals, vegetables or other desirable plants other than the indicated turfgrasses.
- Do not apply to areas where the natural drainage would carry the atrazine to adjacent desirable plants.
- Do not replant treated areas (except with listed turfgrass) within 12 months after treatment or injury may result.
- Do not overseed turf areas within 6 months after treatment.
- Sprigging of listed turfgrass is allowed in treated areas, however, some yellowing or stunting may occur.

Manufactured By:

**Drexel Chemical Company**

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

SINCE 1972

**APPLICATION RESTRICTIONS**

Maximum rate per application on grass (including lawns) is 8.6 fluid ounces per 1,000 square feet. Maximum of two applications per year is permitted.

**USE DIRECTIONS**

**Weeds Controlled or Suppressed:**

Annual Bluegrass (*Poa annua*), Chickweed (Common and Mouseear), Crabgrass (suppression only), Cransbill, Cudweed, Dichondra, Florida Betony, Henbit, Knotweed, Lespedeza, Moneywort, Mustards, Narrowleaf Vetch, Parsley-Piert, Pennywort (Dollarweed), Sandspur, Smutgrass, Spurge, Spurweed, Swinecrest, Woodsorrel and various annual clovers.

**Established St. Augustinegrass and Centipedegrass:**

This product may be applied during both dormant and growing seasons. Best results are usually obtained when applied in early Spring or dormant periods when weeds are small or have not emerged. Do not apply more than two treatments per year.

This product controls Spurweed, Florida Betony, Annual Bluegrass and many other problem weeds in St. Augustinegrass and Centipedegrass turfs.

This product will control both emerged weeds and weeds from seeds. Rain or water within 2 or 3 days of application may decrease the effectiveness on emerged weeds. However, for the control of weeds from seeds, rain-fall or watering is necessary within 7 to 10 days after treatment.

**Spurweed:**

Control of Spurweed can best be obtained by applying when Spurweed has newly emerged (December and January.)

**Florida Betony:**

This weed emerges in the Fall. Apply this product in mid to late October followed by a second application in mid to late February.

**Dichondra, Moneywort:**

Apply this product in early April followed by a second application in July.

**Note:** Applications for Spurweed or Florida Betony generally will give control or suppression of the other listed weeds. However, as a general rule, this product will give best control when applied to young tender weeds or just prior to weed emergence.

RATE OF APPLICATION* FOR ST. AUGUSTINEGRASS and CENTIPEDEGRASS		
Areas To Be Treated	Amount of This Product	Suggested Amount of Water
100 sq. ft.	5 tsps.	1 qt.
500 sq. ft.	4.3 fl. ozs.	1 gal.
2,000 sq. ft.	1.1 pt.	4 gals.

\*Determine total area to be sprayed and base rate of application on the above rates.

**METHODS OF APPLICATION**

**Conventional Sprayers:**

Application should be made with conventional compressed air garden sprayer equipped with a flat fan spray tip. Correct calibration of the sprayer is essential. Overdosing will cause severe plant injury and or death of the desired Turf. Insufficient application may not give anticipated weed control.

Measure the amount of this product into the spray tank and dilute with water according to the above Table. Close tank sprayer and shake well before applying.

**Hose-End Sprayers With Ready-Spray Nozzle:**

This one quart (32 fl. ozs.) [bottle] [container] [package] of this product will treat 3,720 sq. ft. of listed grasses.

DO NOT apply the entire container to an area less than 3,720 sq. ft. DO NOT apply this product to the same area more than twice per year.

Using the Ready-Spray Nozzle, apply this product following the below procedures:

1. Shake container well before using.
2. Connect a garden hose to the Ready-Spray nozzle. Make sure that the dial nozzle is in the "OFF" position with the [green] safety tab in the valve notch.
3. Turn on water at faucet. Extend hose to the farthest area to be treated and work back toward the faucet so you don't come in contact with the treated area.
4. To begin spraying, point nozzle toward treatment side and:
  - a) Bend back the [green] safety tab [located at the right of the yellow dial] with your thumb
  - b) Hold while turning the yellow dial clockwise quickly until it stops. Water will automatically mix with this product.
5. Spray until wet to control the weeds listed on this label. Walk at a steady pace while spraying using an even sweeping motion.
6. To STOP spraying, quickly turn the dial counter clockwise until it stops and the safety tab engages into the notch on the valve. Turn water OFF at faucet. To relieve pressure before removing from nozzle from the hose, bend the safety tab back and turn dial "ON" until water stops spraying.
7. To store unused product, make sure the dial is in the "OFF" position with the [green] safety tab in the valve notch. Place in cool area, away from heat, sunlight or open flame.

Read the 'APPLICATION PROCEDURES' section of this label for additional application instructions.

[Bracketed Text] = Optional language

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store pesticide in the original container in a locked storage area.

**PESTICIDE DISPOSAL: If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**CONTAINER DISPOSAL: If empty:** Do not reuse this container. Place in trash or offer for recycling if available.

**WARRANTY—CONDITIONS OF SALE**

OUR RECOMMENDATIONS 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.

**Additional Statements that may be used on or attached to the label:**

- \*For St. Augustine Grass
- \*Auzugine will control (followed by any or all of this list) Annual Bluegrass (*Poa annua*), Chickweed (Common and Mouseear), Cudweed, Dichondra, Florida Betony, Henbit, Knotweed, Lespedeza, Moneywort, Pennywort (Dollarweed), Mustards, Narrowleaf Vetch, Parsley-Piert, Smutgrass, Spurge, Spurweed, Swinecrest, Woodsorrel and various annual clovers.
- Auzugine suppresses Crabgrass
- \*Controls Tough Weeds
- \*Controls both emerged weeds and weeds from seeds
- \*One pint covers 1,852 sq. ft.
- \*One Quart covers 3,720 sq. ft.
- \*0.5 Gallon covers 7,408.2 sq. ft.
- \*One Gallon covers 14,816.3 sq. ft.
- \*Kills Tough Weeds
- \*For outdoor use around the home only
- \*[One quart] Treats 3,720 sq. ft.
- \*Covers 3,720 sq. ft.
- \*Kills tough weeds [including Dollarweed and Sandspur] [and other listed weeds]
- \*Contains atrazine
- \*New
- \*Attach to hose and spray
- \*Ready to spray [apply]
- \*For St. Augustinegrass and Centipedegrass [Lawns]
- \*Kills Dollarweed, Sandspur and other listed weeds
- \*Product Fact Box

**PRODUCTFACTBOX**

**What it Does:**  
Kills established weeds including Dollarweed, Sandspur and Florida Betony and prevents weeds from emerging in the Lawn

**Where to Use:**  
(icon outdoors) St. Augustinegrass and Centipedegrass Lawns: Kills the weeds, not the Lawn

**When to Use:**  
Anytime temperatures are below 90°F

**Questions & Comments:**  
(phone icon) (computer icon) Call (901) 774-4370 or visit our website at [www.drexchem.com](http://www.drexchem.com)

[Bracketed Text] = Optional language