

**Drexel**

AuguzineTM

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]

[See Side (Back) Panel for FIRST AID];

[See Page ____ for FIRST AID]

[See Container Labeling for (FIRST AID and Complete Directions for Use)]

[See (Attached) Booklet (Container Labeling) for Complete Directions for Use]
SHAKE WELL BEFORE USING

[Optional: Recirculate Contents Before Use]

EPA Reg. No. 19713-567

Net Content:

EPA Est. No. 19713-XX-XXX ____ (Gal.) ____ (Fl. Oz.) (____ L)

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. You may also call CHEMTREC 800-424-9300 for emergency medical treatment information.

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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear long-sleeved shirt, long pants, chemical-resistant gloves made of any waterproof material including barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride or viton ≥ 14 mils, 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. 3) 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 or rinsate.

NON-TARGET ORGANISMS ADVISORY STATEMENT

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

DIRECTIONS FOR USE

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

ENDANGERED SPECIES

It is a Federal offense to use any pesticide in a manner that results in an unauthorized "take" (e.g., kill or otherwise harm) of an endangered species under the Endangered Species Act section 9. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying for the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins consult <http://www.epa.gov/espp>, call 1-844-447-3813, or email ESPP@epa.gov. You must use the Bulletin valid for the month in which you will apply the product. **NOT FOR USE ON TURF BEING GROWN FOR SALE OR OTHER COMMERCIAL USE AS SOD OR FOR COMMERCIAL SEED PRODUCTION OR FOR RESEARCH PURPOSES.**

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

Manufactured By:

Drexel Chemical Company

P.O. Box 13327, Memphis, TN 38113-0327

SINCE 1972

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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 Warranty - Conditions of Sale before using this product.

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

WEED RESISTANCE MANAGEMENT

ATRAZINE GROUP 5 HERBICIDE

For resistance management, this product is a Group 5 mode of action herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 5 mode of action herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 5 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank-mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Drexel Chemical Company representatives at (901) 774-4370.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- * Do not release spray at a height greater than 10 ft. above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- * Applicators are required to use a coarse or coarser droplet size (ASABE S572).
- * If the windspeed is 10 miles per hour or less, applicators must use 0.5 swath displacement upwind at the downwind edge of the field. When the windspeed is between 11 – 15 miles per hour, applicators must use 0.75 swath displacement upwind at the downwind edge of the field.
- * Do not apply when windspeeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% of less of the rotor diameter for helicopters.

(Continued)

(Cont.)

- * Do not apply during temperature inversions.
- * User must maintain a 150 foot (46 meter) in-field downwind buffer (in the direction in which the wind is blowing) from the edge of streams and rivers, as well as high-tide line for all estuarine/marine environments.

Ground Boom Applications:

- * User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- * Applicators are required to use a coarse or coarser droplet size (ASABE S572).
- * Do not apply when wind speeds exceed 10 miles per hour at the application site.
- * User must maintain a 15 foot (4.6 meter) in-field downwind buffer (in the direction in which the wind is blowing) from the edge of streams and rivers, as well as high-tide line for all estuarine/marine environments.
- * Do not apply during temperature inversions.

Boomless Ground Applications:

- * Applicators are required to use a coarse or coarser droplet size (ASABE S572).
- * Do not apply when wind speeds exceed 10 miles per hour at the application site.
- * User must maintain a 15 foot (4.6 meter) in-field downwind buffer (in the direction in which the wind is blowing) from the edge of streams and rivers, as well as high-tide line for all estuarine/marine environments.
- * Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size - Ground Boom

- Volume- Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure- Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle- Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

BOOM HEIGHT – GROUND BOOM

For ground equipment, the boom should remain level with the crop and have minimal bounce.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or 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.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

BOOMLESS GROUND APPLICATIONS

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

HANDHELD TECHNOLOGY APPLICATIONS

Take precautions to minimize spray drift.

USE SITE RESTRICTION

Not for use in the states of Alaska or Hawaii or in the U.S. Territories (American Samoa, Guam, North Mariana Islands, Puerto Rico, U.S. Virgin Islands).

APPLICATION PROCEDURES

- Do not use near adjacent desirable plants or in greenhouses, 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.

APPLICATION RESTRICTIONS

- Maximum rate per application on Turfgrass (including lawns) is 8.6 fluid ounces per 1,000 square feet (23.5 pt./A) (1 lb. a.i./A application).
- Maximum of two applications per year is permitted.
- Do not use backpack spray application to landscape Turf except for spot treatments only.

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 Centipedeagrass:

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 annual Bluegrass, Florida Betony, Spurweed and many other problem weeds in St. Augustinegrass and Centipedeagrass 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, rainfall 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 Florida Betony or Spurweed 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	Minimum Amount of Water
100 sq. ft.	5 tsp.	1 qt.
500 sq. ft.	4.3 fl. oz.	1 gal.
1,000 sq. ft.	8.6 fl. oz.	2 gal.
2,000 sq. ft.	17.6 fl. oz. (1.1 pt.)	4 gal.
43,560 sq. ft. (1 acre)	376.5 fl. oz. (23.5 pt.)	87 gal.

* Determine total area to be sprayed and base rate of application on the above rates. Do not exceed the maximum application rate of 376.5 fl. oz. (23.5 pt.) of this product (1 lb. a.i.) per acre per application on Residential Turf. Maximum number of application per year is two.

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.

Use of backpack sprayers to landscape Turf is restricted to spot treatments only.

Hose-End Sprayers With Ready-Spray Nozzle:

One quart (32 fl. oz.) of this product will treat 3,720 square feet of listed Grasses.

DO NOT apply one quart of this product to an area less than 3,720 square feet. 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 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.

For Connect and Spray Applicator:

1. Make sure knob control lever is in the OFF position. Shake well and attach to hose.
2. Turn water on 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. Aim nozzle toward lawn and turn control lever to ON to begin spraying. The product will automatically siphon and mix with water. Walk at a steady pace while spraying, using an even sweeping motion. Spray weeds until wet.
3. When finished, turn control lever to OFF position. Turn faucet off. Discharge residual water pressure by turning control lever ON and OFF again.

STORAGE AND DISPOSAL

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

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

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

CONTAINER DISPOSAL:

Nonrefillable Container (rigid material; ≤ 5 gal.): 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 and drain for 10 seconds after the flow begins to drip. 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 material; > 5 gal. up to < 250 gal.): 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 (≥ 250 gal. & Bulk): Refillable container. Refill this container with pesticide 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% 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. Then offer for recycling if available or puncture and dispose of in sanitary landfill, or by incineration or by other procedures allowed by state and local authorities.

For Residential/Household Use:

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

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. **If empty**, place in trash or offer for recycling if available. **If partially filled**, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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 directed 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.

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