

# GRIFFIN ATRAZINE 4L HERBICIDE

For Season-long Weed Control in Corn and Sorghum

## GENERAL INFORMATION

Atrazine 4L herbicide controls most annual broadleaf and grass weeds in corn and sorghum. Apply at the rates given under each crop, before or after weeds emerge. Use water, oil or light oil and low organic matter soils. Use high rates in heavy soils and high organic matter soils.

Atrazine 4L is mainly absorbed through the roots of plants. It moves up in the root system. Should weeds develop a stem, atrazine 4L is generally not absorbed. Atrazine 4L is not absorbed by the soil.

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## APPLICATION PROCEDURES

Atrazine 4L, a liquid formulation, should be mixed with water or light kerosene and applied as a spray. Four Atrazine 4L into the tank during or after being hydrated. Do not use after agitation is recommended during mixing and application. Use the mixture in suspension. All return lines to the tank must discharge before spray and agitate should not be so intense as to cause air bubbles to form in the spray. Spray thoroughly after use.

**General Application:** Apply Atrazine 4L in 10-40 gallons of water per acre. Ensure coverage unless otherwise specified. Use Tester 8002, 8003 or 8004 for type of application. Tester 8002 (E) or 8004 (E) is used for band applications. Tester 8003 (E) and 8004 (E) are used in the spray. Do not use a pump with a capacity sufficient to maintain 25 psi of spraying pressure.

**Aerial Application:** Use of Atrazine 4L in aerial application is not recommended. Apply a maximum of 1 gallon of water per acre. Do not apply when wind speed is less than 3 mph. Do not apply when wind speed is less than 3 mph. Do not apply when wind speed is less than 3 mph.

**Post-emergence Weed Control with Atrazine 4L Emulsifiable Oil in Water:** The addition of oil to Atrazine 4L does not improve weed control. Do not use oil in water. Do not use oil in water. Do not use oil in water.

## Equipment Procedures for Atrazine and Emulsifiable Oil:

Thoroughly clean sprayer prior to use. Do not use sprayer contaminated with 2,4-D or other materials as crop damage or sprayer clogging may result. Fill the spray tank with water, allowing for the addition of Atrazine 4L or emulsifiable oil. Add the emulsifiable oil. Empty the tank as completely as possible before refilling to prevent a buildup of residue in the tank. Keep the agitation system in operation to prevent a buildup of residue in the tank. If an oil film starts to build up in the tank, clean the tank and the agitator with a strong detergent solution or solvent. Clean the sprayer thoroughly immediately after use by flushing the system with water containing a detergent.

**Note:** Do not use oil in Atrazine sprays when corn or sorghum is under stress from dry weather, cold, wet weather, poor fertility, or other factors which may reduce growth. Do not use oil in sprays when wetting agent is not used. Do not use oil in sprays when wetting agent is not used. Do not use oil in sprays when wetting agent is not used.

## CORN

One application will control most annual broadleaf and grass weeds such as barnyard grass, wild rice, foxtail, yellow foxtail, grain sorghum, wild rice, large crabgrass, redtop, giant foxtail, velvetleaf, morningglory, lambquarters, pigweed, ragweed, nightshade, purslane, and mustard.

Atrazine 4L may be applied either before planting, at planting, or after planting at the rate indicated below.

For preplant and pre-emergence applications, nitrogen solution or complete liquid fertilizers may replace all or part of the water as a carrier of Atrazine 4L. Do not apply after corn has emerged as there is danger of liquid fertilizer causing crop injury.

**Preplant:** Broadcast in the spring after plowing at the rate indicated below. Apply before or after first rainfall. Do not apply after first rainfall. Do not apply after first rainfall.

**Pre-emergence:** Apply during or shortly after planting prior to weed emergence at the rate indicated below.

**Post-emergence:** Apply before weeds exceed 1 1/2 inches in height at the rate indicated below.

Soil texture	Broadcast in 10-40 gal of water/A	20 inch band in 5-20 gal of water/A	13 inch band in 4-14 gal of water/A
Light soils, Sands, loam, sandy loam, and sandy clay loam	4 pints	2 pints	1 1/2 pints
Medium soils, Silt and clay loam, silt loam, silty loam, and silty clay loam	4 1/2 pints	2 1/2 pints	1 3/4 pints
Heavy soils, Silt and clay loam with medium to high organic matter and clay	6 pints	3 pints	2 pints
Peaty, mucky, and high organic soils (Apply post-emergence only)	6 pints	3 pints	2 pints

Based on 40 inch row spacing. For other row spacings, adjust the rate in proportion to the row width.

**Midwest Region or Yellow Belt Region (Cornus occidentalis Control):** Broadcast 8 pints per acre in the fall or spring and give 1.3 quarts per acre in the spring before weeds are 1 1/2 inches high. If applied before weeds begin growth, cultivate within 2-3 weeks if applied after weeds have emerged, cultivate within 10-14 days.

**Overlapping Control on Land Being Into Corn Production:** Split Application: Broadcast 6 pints per acre in the fall or spring and give 1.3 quarts per acre in the spring before weeds are 1 1/2 inches high.

**Single Application:** Broadcast 6.6 pints per acre in the fall or spring. Post-1.3 quarts per acre after application.

**Post-emergence weed control with Atrazine plus emulsifiable oil in water:** Green 4 Application: Broadcast 4 pints of Atrazine and 1 1/2 gal of emulsifiable oil in 20-40 gal of water per acre after emergence but before weeds reach 1 1/2 inches in height.

**Aerial Application:** Broadcast 4 pints of Atrazine and 1 1/2 gal of emulsifiable oil in no less than 4 gal of water per acre after weed emergence but before weeds reach 1 1/2 inches in height.

## PRECAUTIONS

- Do not apply more than 8 pints of Atrazine 4L to corn in any one year.
- Land treated with Atrazine should not be plowed in any crop except corn until the following year or injury may occur.
- Following harvest of a treated crop, game mammal and wildlife and thoroughly till the soil in fall or spring to minimize possible injury to rotational spring seeded crops, regardless of the rate used.
- If Atrazine is applied after June 10, do not rotate with crops other than corn or sorghum the next year or injury may occur.
- If Atrazine 4L is used at a broadcast rate higher than 6 pints per acre for 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 areas of the West where alfalfa is grown and grown, or where irrigation is required, use Atrazine to control weeds in corn only when corn is to follow corn or a crop of untreated corn or sorghum is to follow the rotational crop.

Contains 4 pounds active ingredient per gallon.

ACTIVE INGREDIENTS:	43.30%
Atrazine (2-Chloro-4-ethylamino-6-isopropylamino-s-triazine)	42.00%
Related compounds	1.30%
INERT INGREDIENTS:	56.70%

**CAUTION**  
KEEP OUT OF REACH OF CHILDREN  
HARMFUL OR FATAL IF SWALLOWED • DO NOT GET IN EYES • AVOID CONTACT WITH SKIN, INHALATION OF VAPORS OR SPRAY MIST AND CONTAMINATION OF FOOD AND FEED

Do not contaminate domestic or irrigation water supplies or lakes, streams or ponds.  
Do not reuse container. Destroy when empty.

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EPA EST NO 1812 GA 3



In western Minnesota and eastern parts of the Dakotas, Nebraska, and Kansas, corn treated with Atrazine should not be followed with soybeans if the broadcast rate applied was more than 4 pints per acre for comparable rate in a band or spray application.

Do not permit water, birds, or other animals to drink from treated areas. Do not permit water to be used for irrigation in treated areas. Do not permit water to be used for irrigation in treated areas.

## SORGHUM AND SORGHUM-SUDAN HYBRIDS (GRAIN AND FORAGE TYPES)

Preplant or Pre-emergence (Eastern and Central States and Northeast Kansas): Do not apply after first rainfall. Do not apply after first rainfall. Do not apply after first rainfall.

**Preplant:** Broadcast in the spring after plowing at the rate indicated in the table below. Apply before or after first rainfall. Do not apply after first rainfall. Do not apply after first rainfall.

**Pre-emergence:** Apply during or shortly after planting prior to weed emergence at the rate indicated in the table below.

Soil texture	Rate per acre of Atrazine 4L		
	Broadcast in 10-40 gal of water/A	20 inch Band in 5-20 gal of water/A	13 inch Band in 4-14 gal of water/A
Light soils	4 1/2 pints	2 1/2 pints	1 3/4 pints
Medium soils	4 1/2 pints	2 1/2 pints	1 3/4 pints
Heavy soils	6 pints	3 pints	2 pints
Peaty, mucky, and high organic soils (Apply post-emergence only)	6 pints	3 pints	2 pints

Based on 40 inch row spacing. When making band applications, reduce the broadcast rate per acre in proportion to the row width.

**Post-emergence:** For the control of broad-leaved and grass weeds, apply post-emergence application of Atrazine 4L in no less than 4 gallons of water per acre at the rate indicated in the table below. Weeds should not exceed 1 1/2 inches in height at application.

Weeds to be controlled and soil texture	Stage of height of sorghum at treatment	Rate per acre of Atrazine 4L		
		Broadcast in 10-40 gal of water/A	20 inch Band in 5-20 gal of water/A	13 inch Band in 4-14 gal of water/A
Sandy loam, silty loam, and silty clay loam	Completely emerged	4 1/2 pints	2 1/2 pints	1 3/4 pints
	At least 6 inches high	4 1/2 pints	2 1/2 pints	1 3/4 pints
Silty clay loam and heavier soils	Completely emerged	6 pints	3 pints	2 pints
	At least 6 inches high	6 pints	3 pints	2 pints

Soil texture	Rate per acre of Atrazine 4L		
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Light soils	4 1/2 pints	2 1/2 pints	1 3/4 pints
Medium soils	4 1/2 pints	2 1/2 pints	1 3/4 pints
Heavy soils	6 pints	3 pints	2 pints
Peaty, mucky, and high organic soils (Apply post-emergence only)	6 pints	3 pints	2 pints

Post-emergence broadcast weed control with Atrazine plus emulsifiable oil in water (New Mexico, Oklahoma, and Texas only): Apply when sorghum is 6-10 inches high and before boot stage. Treat broadcast weeds before they reach 6 inches.

**Green 4 Application:** Broadcast 2 1/2 pints of Atrazine and 1 1/2 gal of emulsifiable oil in 20-40 gal of water per acre.

**Aerial Application:** Broadcast 2 1/2 pints of Atrazine and 1 1/2 gal of emulsifiable oil in no less than 4 gallons of water per acre.

## PRECAUTIONS

- Heavy rain immediately following application may result in excessive concentrations of herbicide in seed furrows, resulting in possible crop injury. Applications to furrows should be made only when the soil is moist and the weather is clear.
- Do not apply to sorghum growing under stress caused by minor crop injury, drought, or to sorghum growing on highly calcareous soils. Do not apply to sorghum growing on highly calcareous soils. Do not apply to sorghum growing on highly calcareous soils.
- Do not apply to sorghum crops other than those specified in the Suggestions for Rotational Crops Section below for 18 months following application.
- Do not graze or feed sorghum from treated areas for 21 days following application.
- Following harvest of a treated crop, game mammal and wildlife and thoroughly till the soil in fall or spring to minimize possible injury to rotational spring seeded crops, regardless of the rate used.

**Suggestions For Rotational Crops**

- Sorghum or corn may be planted the year following treatment.
- After sorghum or corn may be planted 18 months after application.
- When the broadcast rate used does not exceed 2 1/2 pints per acre, fall wheat may be planted 15 months after application.

## SUGARCANE

For control of many annual broadleaf and grass weeds including amaranth, crabgrass, foxtail, large crabgrass, horseweed, lambsquarters, and sorghum. Broadcast 2.4 quarts in 20-50 gallons of water/A for adequate coverage of the soil surface at time of planting or reworking, but before any emergence. One additional application may be made after emergence and before weeds reach 1 1/2 inches in height.

**Precautions:** Do not apply after weeds are 2 inches high. Do not apply more than 10 quarts/A to any one crop of cane.

For control of grasses and large crabgrass, foxtail, amaranth, and sorghum, use only one of the following methods of planting or reworking. Use only one of the following methods of planting or reworking. Use only one of the following methods of planting or reworking.

- Apply 4 quarts in 20-50 gallons of water/A. Pre-emergence broadcast or banded follow with one or two broadcast or banded over the top applications as needed. Post-emergence in sugarcane and weeds, at 2 quarts in 20-50 gallons of water/A. Treat before weeds exceed 1 1/2 inches in height.
- Apply 1.3 quarts in 20-50 gallons of water/A. Pre-emergence and weeds. Treat before weeds exceed 2 1/2 inches in height.

**NOTICE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither the seller nor any other party makes any warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, except to the use of the product in accordance with the label instructions or unless otherwise stated on the label. Seller assumes no liability for any other use.

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