

HELENA

BRAND

ATRAZINE 4L

HERBICIDE

For season-long weed control in corn and sorghum

Atrazine 4 L contains 4 lbs. active ingredients per gallon.

CAUTION: KEEP OUT OF REACH OF CHILDREN. SEE ADDITIONAL PRECAUTIONS ON SIDE PANEL

ACTIVE INGREDIENTS:

Atrazine (2-chloro-4-ethylamino-6-isopropylamino-s-triazine) 40.8%
 Related compounds 2.2%

INERT INGREDIENTS: 57.0%

TOTAL 100.0%

MANUFACTURED BY
HELENA CHEMICAL COMPANY

MEMPHIS, TENNESSEE

Postemergence weed control with Atrazine 4 L plus emulsifiable oil in water:

Ground Application: Broadcast 4 pts. of Atrazine 4 L and 1 gal. of emulsifiable oil in 20-40 gals. of water per acre after emergence but before weeds reach 1 1/2 inches in height.

Aerial Application: Broadcast 4 pts. of Atrazine 4 L in 1/2 gal. of emulsifiable oil in no less than 5 gals. of water per acre after weed emergence but before weeds reach 1 1/2 inches.

Precautions: 1) Do not apply more than 8 pts. of Atrazine 4 L to corn in any one year. 2) Land treated with Atrazine 4 L should not be planted to any crop except corn until the following year or injury may occur. 3) Following harvest of a treated crop, plow (moldboard or diskplow) and thoroughly till the soil in fall or spring to minimize possible injury to rotational spring-seeded crops, regardless of the rate used. 4) If Atrazine 4 L is applied after June 10, do not rotate with crops other than corn or sorghum the next year or injury may occur. 5) If Atrazine 4 L is used at a broadcast rate higher than 6 pts. per acre (or comparable rates in a band application), a crop of untreated corn or sorghum should precede the next rotational crop. 6) In the High Plains and Intermountain areas of the West where rainfall is sparse and erratic or where irrigation is required, use Atrazine 4 L 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. 7) In western Minnesota and eastern parts of the Dakotas, Nebraska and Kansas, corn treated with Atrazine 4 L should not be followed with soybeans if the broadcast rate applied was more than 4 pts. per acre (or comparable rate in a band) or injury may occur. 8) Do not plant sugar beets, tobacco, vegetables (including dry beans), spring-seeded small grains, or small-seeded legumes and grasses the year following Atrazine 4 L application or injury may occur. 9) Do not graze treated area or feed treated forage to livestock for 21 days following application.

Sorghum and Sorghum - Sudan Hybrids (Grain and Forage Types)

Preplant or preemergence (Eastern and Central Nebraska and Northeast Kansas Only)

For preplant and preemergence applications, nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier for Atrazine 4 L. Do not apply after sorghum has emerged as there is danger of liquid fertilizers causing crop injury.

Preplant: Broadcast in the spring after plowing at the rate indicated in the table below. Application may be made before, during or after final seedbed preparation. If soil is tilled or worked after application, avoid deep incorporation of Atrazine 4 L. Best results have been obtained when Atrazine 4 L is applied within two weeks prior to planting.

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

Preplant and Preemergence Application (In Eastern and Central Nebraska and Northeastern Kansas Only)

Soil Texture	Rate per acre of		
	Broadcast in 10-40 Gals. of water A	20-Inch band* in 5-20 Gals. of water A	13-Inch Band* in 4-14 Gals. of water A
Sand to sandy loam, eroded slopes and soils low in organic matter	DO NOT USE		
Other soils (shallow incorporation may improve control)	4-4 1/2 pints	2-2 1/2 pints	1 1/2-1 1/2 pints

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

Postemergence broadleaf weed control with Atrazine 4 L plus emulsifiable oil in water (New Mexico, Oklahoma & Texas only):

Apply when sorghum is 6-10 inches high and before boot stage. Treat broadleaf weeds before they reach 6 inches.

Ground Application: Broadcast 2 1/2 pts. of Atrazine 4 L and 1/2-1 gal. of emulsifiable oil in 20-40 gals. of water per acre.

Aerial Application: Broadcast 2 1/2 pts. of Atrazine 4 L and 1/2 gal. of emulsifiable oil in no less than 5 gallons of water per acre.

Postemergence: For the control of broadleaves and grasses, apply postemergence applications of Atrazine 4 L in no less than ten 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.

Postemergence application* (Weeds should not be more than 1 1/2 inches high)

Weeds to be controlled and soil texture	Stage or hgt of sorghum at treatment	Rate per acre of Atrazine 4 L		
		Broadcast in 10-40 gals. of water/A	20-inch band* in 5-20 gals. of water A	13-inch band* in 4-14 gals. of water A
Broadleaf and grass weeds				
Sand or loamy sand		DO NOT USE		
Sandy loam		See broadleaf weeds below		
Silt loam to sandy clay loam	Completely emerged	4-4 1/2 pints	2-2 1/2 pints	1 1/2-1 1/2 pints
Olton and Pullman Clay soils	At least 6 inches high	4-4 1/2 pints	2-2 1/2 pints	1 1/2-1 1/2 pints
Silty Clay loams and heavier soils	Completely emerged	6 pints	3 pints	2 pints

Soil Texture	Stage or hgt of sorghum at treatment	Rate per acre of Atrazine 4 L		
		Broadcast in 10-40 gals. of water/A	20-inch band* in 5-20 gals. of water A	13-inch band* in 4-14 gals. of water A
Broadleaf weeds				
Sandy loams and heavier soils in Okla, New Mexico, Texas, West Kan., Colo. and desert regions of Ariz. and Calif. only	At least 6 inches high	2 1/2 pints plus 1/2-1 1/2 pints surfactant	1 1/2 pints plus 3/8-1/2 pint surfactant	1 1/2 pints plus 1/2 pint surfactant

*Based on 40-inch row spacing
 **Up to Close-in

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

- 1) Sorghum or corn may be planted the year following treatment.
- 2) All other rotational crops may be planted 18 months after application.
- 3) When the broadcast rate used does not exceed 2 1/2 pts. per acre fall wheat may be planted 15 months after application.

ACCEPTED

September 4, 1978

UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO. 5905-237

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