



# Atrazine 80W

## Herbicide

For season-long weed control in corn and sorghum

For weed control in certain other crops; in noncrop areas; and industrial sites

Atrazine 80W is a water-soluble liquid

Five Pound  
Gallon

Manufactured by  
Ciba-Geigy  
Knox, Tennessee

Active Ingredients:	80%
Atrazine (2-chloro-4-ethylamino-6-isopropylamino-s-triazine)	70%
Related Compound	10%
Inert Ingredients:	20%
Total	100%

Keep out of reach of children. Do not use near water.



**SORGHUM AND SORGHUM-SUDAN HYBRIDS** (Grain and Forage Types) **HELENA BRAND ATRAZINE** may be used to control many annual broadleaf and grass weeds in sorghum.

Apply at the rate indicated in the tables below. Weeds should not be more than 1-2 inches high at time of application. When making band applications, reduce the broadcast rate per acre in proportion to the area treated.

**PRE-PLANT AND PRE-EMERGENCE APPLICATION** in eastern and central Nebraska and northeast Kansas only.

Soil Texture	RATE PER ACRE OF HELENA BRAND ATRAZINE		
	Broadcast in 20-40 inch of water acre	Downy Smooth in 10-20 inch of water acre	Downy Smooth in 10-20 inch of water acre
Sand to silty loam, wooded slopes and soils low in organic matter	DO NOT USE		
Other soils, shallow incorporation may improve control	2.1-2.3 lbs.	1.1-1.15 lbs.	1.1-1.15 lbs.

\*Based on 40-inch row spacing. \*\*See pre-plant recommendations for corn. Non-pressure nitrogen solutions or complete liquid fertilizers may be substituted for all or part of the water as a carrier for HELENA BRAND ATRAZINE. Do not apply nitrogen solutions or fertilizers after crop emergence as damage may result.

**POST-EMERGENCE APPLICATION**

Weeds to be controlled and soil texture	Stage or height of sorghum at treatment	Inches of water A	RATE PER ACRE OF ATRAZINE		
			20-40 inch of water A	10-20 inch of water A	10-20 inch of water A
Sandy loam to sandy clay loam			2.1-2.3 lbs.	1.1-1.15 lbs.	1.1-1.15 lbs.
Clay and Pullman clay soils			2.1-2.3 lbs.	1.1-1.15 lbs.	1.1-1.15 lbs.

**BROADLEAF AND GRASS WEEDS** Sand or heavy sand **DO NOT USE**

**BROADLEAF WEEDS** Sandy loam and heavy soils in Ohio, N. M., Tex., West Va., Colo. and desert regions of Ariz. and Calif. only.

At least 6 inches high	RATE PER ACRE OF ATRAZINE		
	2.1-2.3 lbs.	1.1-1.15 lbs.	1.1-1.15 lbs.
At least 6 inches high	2.1-2.3 lbs.	1.1-1.15 lbs.	1.1-1.15 lbs.

**CORN** Only application with a carrier is recommended. Do not use if rain or irrigation water is expected within 24 hours of application. Do not apply if rain or irrigation water is expected within 24 hours of application.

For pre-plant and pre-emergence applications, nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier for HELENA BRAND ATRAZINE. Do not apply after corn has emerged as there is danger of liquid fertilizers causing crop injury.

**PRE-PLANT** Broadcast in the spring after plowing or the fall, depending on the soil to be used. Apply at the rate indicated in the tables below. Do not apply after corn has emerged as there is danger of liquid fertilizers causing crop injury.

**PRE-EMERGENCE** Apply in the fall, or in the spring, prior to soil incorporation at the rate indicated in the tables below.

**POST-EMERGENCE** Apply to the weeds when 1-2 inches in height at the rate indicated in the tables below.

**NOTE:** The rate per acre is based on the true dry weight of HELENA BRAND ATRAZINE in proportion to the total weight.

Soil Texture	RATE PER ACRE OF HELENA BRAND ATRAZINE		
	Broadcast in 20-40 inch of water acre	Downy Smooth in 10-20 inch of water acre	Downy Smooth in 10-20 inch of water acre
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**PRE-EMERGENCE** Apply in the fall, or in the spring, prior to soil incorporation at the rate indicated in the tables below.

**POST-EMERGENCE** Apply to the weeds when 1-2 inches in height at the rate indicated in the tables below.

**NOTE:** The rate per acre is based on the true dry weight of HELENA BRAND ATRAZINE in proportion to the total weight.

**LATE TREATMENT** broadcast 1.1-1.15 lbs. per acre in 20-40 inch of water or sufficient nitrogen solution when weeds are 1-2 inches high. Apply when corn is 20-30 inches high. When nitrogen solutions are used direct the spray to the lower 3-4 inches of corn stalks to avoid crop foliage injury. Application of the spray tank during application is essential.

**POST-EMERGENCE BROADLEAF WEED CONTROL WITH HELENA BRAND ATRAZINE AND EMERGENCE ATRAZINE IN WATER** The solution of HELENA BRAND ATRAZINE and EMERGENCE ATRAZINE in water may be used to control many annual broadleaf weeds in sorghum. However, under certain conditions, it may cause damage to sorghum. To minimize the possibility of damage to sorghum, follow the directions and procedures given below.

**GROUND APPLICATION** broadcast 1.1-1.15 lbs. of HELENA BRAND ATRAZINE and 1.1-1.15 lbs. of EMERGENCE ATRAZINE in 20-40 inch of water per acre after emergence, but before weeds reach 1-2 inches in height.

**AERIAL APPLICATION** broadcast 1.1-1.15 lbs. of HELENA BRAND ATRAZINE and 1.1-1.15 lbs. of EMERGENCE ATRAZINE in 20-40 inch of water per acre when sorghum is 5 to 10 inches in height and before it reaches boot stage. Treat before broadleaf weeds reach 6 inches in height.

\*Up to 10 inches. \*\*Based on 40-inch row spacing.

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\*For combining with Atrazine, use a crop of desiccant for use with Atrazine containing at least 1 percent viable material. Several days of this exposure on the market. Do not combine with water or other materials which cause compatibility problems and/or crop injury.

**PROCEDURES** 1. Thoroughly clean sprayer prior to use. Do not use sprayer contaminated with 2,4-D or other materials as this may damage the crop. 2. Use a separate tank for each material. 3. Fill the spray tank with water, allowing for expansion of the Atrazine. 4. When the agitation system is operating, add HELENA BRAND ATRAZINE. 5. Add the water to the tank. 6. Empty the tank immediately as possible after refilling to prevent standing of water in the tank. 7. Clean the sprayer thoroughly after use by flushing the system with water containing a detergent.

**NOTE:** Do not use HELENA BRAND ATRAZINE spray when sorghum is under stress from pre-harvest drought, weather, poor fertility, or other factors or when sorghum is wet and rain or irrigation water is expected within 24 hours of application. Do not apply HELENA BRAND ATRAZINE spray when sorghum is under stress from pre-harvest drought, weather, poor fertility, or other factors or when sorghum is wet and rain or irrigation water is expected within 24 hours of application.

**PRECAUTIONS** 1. Heavy rains immediately following application may result in excessive concentrations of the active ingredient in the soil. 2. Do not use HELENA BRAND ATRAZINE spray when sorghum is under stress from pre-harvest drought, weather, poor fertility, or other factors or when sorghum is wet and rain or irrigation water is expected within 24 hours of application. Do not apply HELENA BRAND ATRAZINE spray when sorghum is under stress from pre-harvest drought, weather, poor fertility, or other factors or when sorghum is wet and rain or irrigation water is expected within 24 hours of application.

**SUGGESTIONS FOR ROTATIONAL CROPS** 1. Do not use HELENA BRAND ATRAZINE spray when sorghum is under stress from pre-harvest drought, weather, poor fertility, or other factors or when sorghum is wet and rain or irrigation water is expected within 24 hours of application. Do not apply HELENA BRAND ATRAZINE spray when sorghum is under stress from pre-harvest drought, weather, poor fertility, or other factors or when sorghum is wet and rain or irrigation water is expected within 24 hours of application.

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March 8, 1964

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