

SORGHUM AND SORGHUM-SUDAN HYBRIDS: PREPLANT SURFACE- APPLIED

General Information

For retail sale to and use only by certified applicators or person under their direct supervision, and only for those uses covered by the Certified Applicator's Certification.

This product is a restricted use herbicide due to ground and surface water concerns. Users must read and follow all precautionary statements and instructions for use in order to minimize potential for Atrazine to reach ground and surface water.

GENERAL INFORMATION AND RESTRICTIONS

This herbicide controls many annual broadleaf and grass weeds in corn, sorghum, sugarcane, and certain other crops specified on the label. It is also effective in industrial sites for control of most annual and many perennial broadleaf and grass weeds. This product may be applied before or after weeds emerge.

When tank-mixing or sequentially applying atrazine or products containing atrazine to corn or sorghum, the total pounds of atrazine applied (lbs ai/A) must not exceed 2.5 pounds active ingredient per year.

When tank-mixing or sequentially applying atrazine or products containing atrazine to crops other than corn or sorghum, the total pounds of atrazine applied (lbs ai/ A) must not exceed the specific seasonal rate limits as noted in the use directions.

Following many years of continuous use of this product and chemically related products, biotypes of some of the weeds listed on the label have been reported which cannot be effectively controlled by this and related herbicides. Where this is known or suspected, and weeds controlled by this product are expected to be present along with resistant biotypes, we recommend the use of this product in combinations or in sequences with other registered herbicides which are not triazines. If only resistant biotypes are expected to be present, use a registered non-triazine herbicide. Consult with your state Agricultural Extension Service for specific recommendations.

Since this product acts mainly through root absorption, its effectiveness depends on moisture to move it into the root zone. If weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control.

This product is noncorrosive to equipment and metal surfaces, nonflammable, and has low electrical conductivity.

Avoid using near adjacent desirable plants or in greenhouses, or injury may occur.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, as crop injury may result. Where the use directions gives a range of rates, use the lower rate on coarse-textured soil and soil low in organic matter; use the higher rate on fine-textured soil and soil high in organic matter.

NOTE: Tenkoz Inc. does not recommend applications in combination with other herbicides or oils, except as specifically described on the label.

Application in water plus emulsifiable oil or oil concentrate: Adding emulsifiable oil (petroleum-derived, petroleum-derived oil concentrate, or single or mixed crop-derived oil concentrate) to postemergence water-based sprays in corn and sorghum may improve weed control. However, under certain conditions, the use of either type of oil may seriously injure the crop. To minimize this possibility, observe the following directions:

Use one of the following properly emulsified:

1. A suitable oil concentrate containing at least 1% but not more than 20% suitable emulsifier or surfactant blend.
2. Petroleum-derived oil containing at least 1% suitable emulsifier. Note: In the

event of a compatibility problem when mixing oil with ATRAZINE 90 DF and water, a compatibility agent such as Compex or Unite should be used. Any of the above oils contaminated with water or other materials can cause compatibility problems and/or crop injury.

Limitations, Restrictions, and Exceptions

SORGHUM AND SORGHUM-SUDAN HYBRIDS: PREPLANT SURFACE- APPLIED

Use on medium- and fine-textured soil with minimum tillage or no-tillage systems. Apply the recommended rate of ATRAZINE 90 DF up to 30 days prior to planting. On coarse-textured soils, do not apply more than two weeks prior to planting. If an unsatisfactory length of weed control results from adverse environmental conditions following early treatment, a follow-up application of an appropriately labeled herbicide may be used. If the follow-up treatment includes atrazine, do not exceed the labeled rate for corn indicated.

If weeds are present at the time of treatment, apply in tank mix combination with a contact herbicide (for example, paraquat or glyphosate). Observe directions for use, precautions, and restrictions on the label of the contact herbicide.

In case of planting failure, sorghum or corn may be replanted. Do not make second broadcast application, or injury may occur. If originally applied in a band and sorghum or corn is replanted in untreated row middles, this product may be applied in a band to the second planting. The repeat application must not exceed 2.5 lbs. a.i. (or 2.77 lbs. of ATRAZINE 90 DF) per acre per calendar year.

NOTE: To the extent possible, do not move treated soil out of the row or move untreated soil to the surface during planting, or weed control will be diminished.

Note:

- Do not apply preplant surface or preplant incorporated in Alabama, Arizona, Florida, Georgia, Louisiana, Mississippi, North Carolina, New Mexico, Oklahoma, South Carolina, Tennessee, or Texas.
- To the extent possible, do not move treated soil out of the row or move untreated soil to the surface

Where there are state/local requirements regarding Atrazine use (including lower

maximum rates and/or set-backs) which are different from the label, the more restrictive/protective requirements must be followed. Certain states may have established rate limitations within specific geographical areas. Consult your state lead pesticide control agency for additional information. It is a violation of the label to deviate from state use regulations.

FOR ALL SOIL APPLICATIONS PRIOR TO CROP EMERGENCE maximum broadcast application rates for corn must be as follows:

- ON HIGHLY ERODIBLE SOILS: If conservation tillage is practiced, leaving at least 30% of the soil covered with plant residues at planting, apply a maximum of 2 lb ai/A (2.2 lbs./A of product) as a single preemergence application. If the soil coverage with plant residue is less than 30% at planting, apply a maximum of 1.6 lb ai/A (1.77 lbs./A of product) as a single preemergence application; or 2.0 lb ai/A if only applied postemergence.
- ON SOILS NOT HIGHLY ERODIBLE: Apply a maximum of 2 lb ai/A (2.2 lbs./A this product) as a single preemergence application.

USE PRECAUTIONS AND RESTRICTIONS FOR ALL APPLICATIONS TO SORGHUM:

- (1) Heavy rain immediately following application tends to cause excessive concentrations of herbicide in seed furrow, resulting in possible crop injury. Do not apply to furrow-planted sorghum until furrows are leveled (plowed in). Level deep planter marks or seed furrows before application.
- (2) Application to sorghum growing under stress caused by minor element deficiency or to sorghum growing on highly calcareous soil may result in crop injury.
- (3) Following harvest, plow (moldboard or disk-plow) and thoroughly till soil in fall or spring to minimize possible injury to spring-seeded rotational crops, regardless of rate used.
- (4) Injury may occur if both this herbicide, preplant surface, preplant incorporated, or preemergence, and an at-planting systemic insecticide applied in-furrow are used.
- (5) Do not apply more than 2.5 lbs. active ingredient (2.77 lbs. of this product) per acre per calendar year.
- (6) For all soil applications prior to crop emergence (except for preemergence use

on bedded sorghum in AZ and CA), do not apply on coarse-textured soils; i.e., sand, loamy sand, sandy loam, or to medium- and fine-textured soils having less than 1% organic matter, or crop injury may occur.

(7) For postemergence applications, do not apply to sand or loamy sand, or crop injury may occur.

(8) Do not graze or feed forage from treated areas for 60 days for preemergent sorghum and 45 days for postemergent sorghum following application, or illegal residues may result.

Notes:

Partial control only:

- giant foxtail; large (hairy) crabgrass; cocklebur; sicklepod.

Partial control only on medium and fine-textured soils:

- barnyardgrass (watergrass); green foxtail; yellow foxtail; velvetleaf (buttonweed).

Pre-Harvest Interval:

- Preemergent sorghum forage uses: 60 days

- Postemergent sorghum forage uses: 45 days

Method

[Broadcast/Foliar Ground](#)

Rates

[field rates 0](#)

[field rates 1](#)

•

Restricted Entry Interval

12 hours

If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Tillages

[No-Tillage](#)

[Minimum](#)

[Timings](#)

[Preplant](#)