

SORGHUM - PREPLANT SURFACE-APPLIED (BROADLEAF AND GRASS CONTROL) - FOR ALL SOIL APPLICATIONS PRIOR TO CROP EMERGENCE - ON HIGHLY ERODIBLE SOILS

General Information

GENERAL INFORMATION

This herbicide controls many annual broadleaf and grass weeds in corn, sorghum, sugar cane, and certain other crops specified on the label. This product may be applied before or after weeds emerge.

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 sequence with other registered herbicides which are not triazines. If only resistant biotypes are expected to be present, use a registered non-triazine herbicide. Consult 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, is 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 give a range of rates, use the lower rate in coarse-textured soil and soil low in organic matter; use the higher rate on fine-textured soil and soil high in organic matter.

Note: Makhteshim Agan does not recommend applications in combination with other herbicides or oils except as specifically described on the label or in literature published by Makhteshim Agan.

When tank mixing or sequentially applying atrazine or products containing atrazine to corn or sorghum, do not exceed an application rate of 2.0 lbs. active ingredient (or 2.2 lbs. of this product) per acre for any single application, and the total lbs. of active ingredient per acre must not exceed 2.5 lbs. active ingredient (or 2.77 lbs. of this product) per acre 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. a.i. per acre) must not exceed the specific seasonal rate limits as noted in the use directions for each crop.

Refer in the label for the Application Procedures.

Limitations, Restrictions, and Exceptions

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

PREPLANT SURFACE-APPLIED (BROADLEAF AND GRASS CONTROL): Use on medium- and fine-textured soil with minimum-tillage or no-tillage systems only in CO, IA, IL, IN, KS, KY, MN, MO, MT, ND, NE, SD, WI, and WY. Apply the recommended rate of Atrazine 90DF shown in TABLE 3: BROADLEAF AND GRASS WEED CONTROL IN SORGHUM section up to 45 days 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 in Table 1 section in the label. Under dry conditions, irrigation after application is recommended to move Atrazine 90DF into the soil.

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

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.

TABLE 3: Broadleaf and Grass Weed Control in Sorghum

FOR ALL SOIL APPLICATIONS PRIOR TO CROP EMERGENCE

- On Highly Erodible Soils (as defined by the Natural Resource Conservation Service)

If conservation tillage is practiced (leaving at least 30% of the soil covered with plant residues at planting), apply a maximum of 2.2 lbs./A of this product (2.0 lbs. active ingredient) as a single broadcast spray.

If the soil coverage with plant residue is less than 30% at planting, a maximum of 1.77 lbs./A (1.6 lbs. active ingredient) may be applied.

NOTE:

- Do not apply preplant surface or preplant incorporated in AL, AR, FL, GA, LA, MS, NC, NM, OK, SC, TN, or TX. Do not apply preemergence in NM, OK, or TX, except in northeast OK and the TX Gulf Coast and Blacklands area.
- Where there are state/local requirements regarding atrazine use (including lower maximum rates and/or greater setbacks) which are different from the label, the more restrictive/protective requirements must be followed. Certain states may have established rate limitations within specific geographic areas. Consult your state lead pesticide control agency for additional information. It is a violation of the label to deviate from state use regulations.
- Giant foxtail; Green foxtail; Large (hairy) crabgrass; Cocklebur; Sicklepod: Partial control only.
- Barnyardgrass (watergrass); Witchgrass (*Panicum capillare*); Yellow foxtail; Velvetleaf (buttonweed): Partial control only on medium- and fine-textured soils.

In case of planting failure, sorghum or corn may be replanted. Do not make a 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 provided the maximum application rate of 2.5 lbs. a.i./A atrazine (or 2.77 lbs. of Atrazine 90DF) per calendar year is not exceeded.

Precautions: For all applications to sorghum:

- 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.
- Application to sorghum growing under stress caused by minor element deficiency or to sorghum growing on highly calcareous soil may result in crop injury.
- 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.
- Injury may occur if both this herbicide, preplant surface, preplant incorporated, or preemergence, and an at-planting systemic insecticide applied in-furrow are used.
- When tank mixing or sequentially applying atrazine or products containing atrazine to corn or sorghum, do not exceed an application rate of 2.0 lbs. active ingredient (or 2.2 lbs. of this product) per acre for any single application, and the total lbs. of active ingredient per acre must not exceed 2.5 lbs. active ingredient (or 2.77 lbs. of this product) per acre per year.
- Do not apply more than 2.5 lbs. active ingredient (2.77 lbs. of this product) per acre per calendar year and do not apply more than 2.0 lbs. active ingredient (2.2 lbs. Atrazine 90DF) per acre for any single application.
- For all soil applications prior to crop emergence (except for preemergence use on bedded sorghum in AZ and CA), do not apply to coarse-textured soils, i.e., sand, loamy sand, sandy loam, or to medium- and fine-textured soils having less than 1% organic matter or injury may occur.
- For postemergence applications, do not apply to sand or loamy sand.
- For preemergent sorghum forage uses, allow 60 days between the last application and harvest.
- For postemergent sorghum forage uses, allow 45 days between the last application and harvest.
- Postemergence applications to sorghum must be made before crop reaches 12

inches in height.

- Do not graze or feed forage from treated areas for 21 days following application.

Method

[Broadcast/Foliar Ground](#)

[Surface](#)

[Broadcast/Foliar Ground](#)

[Surface](#)

Rates

[field_rates 0](#)

[field_rates 1](#)

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Restricted Entry Interval

12 hours

Soils

[Medium](#)

[Fine](#)

Tillages

[No-Tillage](#)

[Conservation](#)

[Minimum](#)

Timings

[Preemergence \(Crop\)](#)

[Preplant](#)