

## **GRAIN OR FORAGE SORGHUM (SEED TREATED WITH CONCEP) - EARLY PREPLANT - FINE - B - MORE THAN 1.5% O.M. - AT PLANT**

### General Information

#### GENERAL INFORMATION

Brawl II ATZ is a selective herbicide recommended before planting, before or after emergence (see directions) for control of most annual grasses and broadleaf weeds in corn. Brawl II ATZ can also be used before crop emergence for control of most annual grasses and broadleaf weeds in grain or forage sorghum, provided the sorghum seed has been properly treated by the seed company with Concep. This product may be tank mixed with other herbicides specified on the label for weed control in conventional, minimum-till, and no-till corn, grain sorghum, or forage sorghum.

Note: Tank mixtures are permitted only in those states where the tank mix partner is registered. Refer to and follow the label of each tank mix product used for precautionary statements, directions for use, geographic and other restrictions.

When tank mixing or sequentially applying atrazine or products containing atrazine to corn or sorghum do not exceed an application rate of 2.0 pounds active ingredient of atrazine per acre for any single application and the total pounds of atrazine applied (lb. a.i. per acre) must not exceed 2.5 pounds active ingredient per acre per year.

Following many years of continuous use of atrazine (one of the ingredients in Brawl II ATZ), and products chemically related to atrazine, biotypes of some of the weeds listed on the label which are controlled by the atrazine component have been reported to develop resistance to this and chemically 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 Brawl II ATZ in combination or in sequence with registered herbicides which do not contain triazines. Consult with your State Agricultural Extension Service for specific recommendations.

Precautions: (1) If sorghum seed is not properly pretreated with Concep, Brawl II

ATZ will severely injure the crop. (2) Injury may occur to sorghum following the use of Brawl II ATZ under abnormally high soil moisture conditions during early development of the crop.

Brawl II ATZ alone or in tank mixture with AAtrex, Balance, Dual Magnum, Dual II Magnum, or Princep may be applied early preplant, preplant surface, preplant incorporated, or preemergence on corn, in water or fluid fertilizer. Apply postemergence treatments of Brawl II ATZ to corn, alone or in combination, using water only as the carrier. Brawl II ATZ may be applied in tank mix combination with Gramoxone Inteon, Landmaster BW, Touchdown, or Roundup with or without the above herbicides preplant surface or preemergence to corn. Brawl II ATZ alone may also be applied on sorghum early preplant, preplant incorporated, preplant surface, or preemergence in water or in fluid fertilizer.

Brawl II ATZ may be applied in water by aircraft. Applications in fluid fertilizer should be only by ground equipment.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, as crop injury may result.

Do not apply this product through any type of irrigation system.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to nontarget areas.

To prevent off-site movement due to runoff or wind erosion:

1. Avoid treating powdery dry or light sand soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
2. Do not apply to impervious substrates, such as paved or highly compacted surfaces.
3. Do not use tailwater from the first flood or furrow irrigation of treated fields to treat nontarget crops, unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.

Where reference is made to weeds partially controlled, partial control can either mean erratic control from good to poor or consistent control at a level below that

generally considered acceptable for commercial weed control.

Dry weather following preemergence application of Brawl II ATZ or a tank mixture may reduce effectiveness.

Cultivate if weeds develop in conventional tillage corn or sorghum.

Observe all precautions and limitations on the label of each product used in tank mixtures.

Thoroughly clean sprayer or other application device before using. Dispose of cleaning solution in a responsible manner. Do not use a sprayer or applicator contaminated with other materials, or crop damage or sprayer clogging of the application device may occur.

#### SOIL TEXTURE INFORMATION

Within rate ranges in all tables on the label, use the lower rate on soil relatively coarse-textured or low in organic matter; use the higher rate on soil relatively fine-textured or high in organic matter.

#### Brawl II ATZ Rate Limitations – Corn and Sorghum\*

\*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 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.

Note: For purposes of calculating total atrazine active ingredient applied, Brawl II ATZ contains 3.1 lbs. a.i. atrazine + relateds per gal. (0.775 lb. a.i./qt.).

#### FOR ALL SOIL APPLICATIONS PRIOR TO CROP EMERGENCE

- On Highly Erodible Land (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 2.58 qts./A of Brawl II ATZ (2.0 lbs. a.i./A) as a broadcast spray. Refer to "B" in tables following.

If the soil coverage with plant residue is less than 30% at planting, a maximum of 2.1 qts./A of Brawl II ATZ (1.6 lbs. a.i./A) may be applied. Refer to "A" in tables following.

- On Land Not Highly Erodible

Apply a maximum of 2.58 qts./A of Brawl II ATZ (2.0 lbs. a.i./A) as a broadcast spray. Refer to "B" in tables following.

#### FOR POSTEMERGENCE APPLICATION TO CORN

If no atrazine was applied prior to corn emergence, apply a maximum of 2.58 qts./A of Brawl II ATZ (2.0 lbs. a.i./A) broadcast. If a postemergence treatment is required following an earlier atrazine application, the total atrazine applied may not exceed 2.5 lbs. active ingredient (3.2 qts. of Brawl II ATZ) per acre per calendar year.

Refer in the label for tank mix information.

#### Limitations, Restrictions, and Exceptions

B. Use these rates for all other applications.

Early Preplant (Sorghum-Seed Treated with Concep): For minimum-tillage and no-tillage systems only, Brawl II ATZ may be applied up to 45 days before planting grain sorghum in IA, IL, eastern KS, MO, NE, and SD, using the rates in Table 2. Use only split applications for treatments made 30-45 days before planting with 2/3 the recommended rate applied initially and the remaining 1/3 at planting. Applications made less than 30 days prior to planting may be made as either a split or single application.

Substitute a fluid fertilizer for some or all of the water carrier for burndown of existing annual weeds listed on the label up to the 2-leaf stage of development. The addition of crop oil concentrate to the spray mixture will enhance the burndown activity. If larger weeds are present at the time of treatment, apply in a tank mixture combination with a contact herbicide (for example, Gramoxone Inteon,

Landmaster BW, Touchdown, or Roundup). Observe directions for use, precautions, and restrictions on the label of the contact herbicide. Under dry conditions, irrigation after application is recommended to move Brawl II ATZ into the soil.

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. Do not use on coarse soils. Do not use on medium soils with less than 1.0% organic matter.

On medium- and fine-textured soils following final seedbed preparation in the Blacklands, Panhandle, and Gulf Coast areas of TX, an early preplant application of Brawl II ATZ at 1.6-1.9 qts./A may be made 30-45 days before planting. Grass suppression of 2-3 weeks after planting can be expected as a result of this application. Do not incorporate or disturb the soil before planting, and avoid moving the soil during the planting operation. A follow-up application of a Brawl or Brawl II product may be needed in fields with a history of heavy grass pressure. Apply after planting, but before sorghum and grass weeds emerge.

Notes: (1) Do not use on soils with a pH greater than 8.0 if grain sorghum is to be planted. (2) If a follow-up application of a Dual Magnum, or Dual II Magnum formulation is needed, do not exceed a total of 1.4 lbs. of Smetolachlor a.i. per acre, including the early preplant Brawl II ATZ application on medium-textured soils. On finetextured soils, do not exceed 1.6 lbs. of S-metolachlor a.i. per acre.

[To determine the total lbs. a.i. of S-metolachlor per acre, use the following 2-step method:

A. Determine the lbs. a.i. of S-metolachlor applied as Brawl II ATZ (1.0 qt. = 0.6 lb. a.i. of S-metolachlor); then, B. If Dual Magnum or Dual II Magnum is to be used, add the lbs. a.i. to be applied in these products to the lbs. in Step A above.]

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field rates 0](#)

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## Restricted Entry Interval

24 hours

Exception: 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.

Soils

[Fine](#)

[Silty Clay Loam](#)

[Sandy Clay Loam](#)

[Silty Clay](#)

[Sandy Clay](#)

[Clay Loam](#)

[Clay](#)

Timings

[At-Plant](#)

[Early Preplant](#)