

EARLY PREPLANT (SORGHUM-SEED TREATED WITH CONCEPT) - MEDIUM SOIL - SPLIT APPLICATION - 30-45 DBP - WEEDS CONTROL

General Information

GENERAL INFORMATION

Bicep II MAGNUM is a selective herbicide recommended before planting, before or after emergence (see directions) for control of most annual grasses and broadleaf weeds in corn. Bicep II MAGNUM 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 Bicep II MAGNUM), 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 Bicep II MAGNUM 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, Bicep II MAGNUM will severely injure the crop. (2) Injury may occur to sorghum following the use of Bicep II MAGNUM under abnormally high soil moisture conditions during early development of the crop.

Bicep II MAGNUM 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 Bicep II MAGNUM to corn, alone or in combination, using water only as the carrier. Bicep II MAGNUM may be applied in tank mix combination with Gramoxone MAX, Landmaster BW, Touchdown, or Roundup with or without the above herbicides preplant surface or preemergence to corn. Bicep II MAGNUM alone may also be applied on sorghum early preplant, preplant incorporated, preplant surface, or preemergence in water or in fluid fertilizer.

Bicep II MAGNUM 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 Bicep II MAGNUM 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.

Bicep II Magnum 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, Bicep II Magnum 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 Bicep II Magnum (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 Bicep II Magnum (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 Bicep II Magnum (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 Bicep II Magnum (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 Bicep II Magnum) per acre per calendar year.

Spray Equipment

Ground Application: Use sprayers that provide accurate and uniform application. Screens in nozzles and in suction and in-line strainers should be no finer than 50-mesh. Use a pump with capacity to: (1) maintain 35-40 psi at the nozzles, and (2) provide sufficient agitation in tank to keep mixture in suspension. Unless otherwise specified, use a minimum of 10 gallons of spray mixture per acre. Rinse sprayer thoroughly with clean water immediately after use.

For band applications, calculate amount to be applied per acre as based on the formula given in the label.

Low Carrier Application (Broadcast Ground Application Only): Use sprayers, such as Ag-Chem RoGator, Hagie, John Deere Hi-Cycle, John Deere 4700 Sprayer, Melroe Spra-Coupe, Tyler Patriot, or Willmar Air Ride, that provide accurate and uniform application. Only water may be used as a carrier. Screens in suction and in-line strainers should be 50-mesh. Manufacturers may require that tip screens as fine as 100-mesh be used with some nozzles. Use a pump with capacity to: (1) maintain up

to 35-40 psi at the nozzles, and (2) provide sufficient agitation in tank to keep mixture in suspension. Use a minimum of 5.0 gals. of spray mixture per acre. Maximum recommended sprayer speed is 15 mph. Maintain uniform travel speed while spraying. Rinse sprayer thoroughly with clean water immediately after each use.

Aerial Application (For Bicep II MAGNUM Alone): Use aerial application only where broadcast applications are specified. Apply a minimum of 1.0 gal. of water for each 1.0 gal. of this product applied per acre, but for rates below 1.0 gal./A, use in sufficient water to equal 2.0 gals./A of total spray. Avoid applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. In order to assure that spray will be controllable within the target area when used according to the label directions, make applications at a maximum height of 10 ft., using low-drift nozzles at a maximum pressure of 40 psi, and restrict application to periods when wind speed does not exceed 10 mph. To assure that spray will not adversely affect adjacent sensitive nontarget plants, apply Bicep II MAGNUM by aircraft at a minimum upwind distance of 400 ft. from sensitive plants.

Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin.

Refer in the label regarding tank mix information.

Limitations, Restrictions, and Exceptions

Early Preplant (Sorghum-Seed Treated with Concep): For minimum-tillage and no-tillage systems only, Bicep II MAGNUM 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 Max,

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 Bicep II MAGNUM 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 Bicep II Magnum 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 Dual Magnum, or Dual II Magnum 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 S-metolachlor a.i. per acre, including the early preplant Bicep II MAGNUM application on medium-textured soils. On fine-textured 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 Bicep II MAGNUM (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.]

A. Do not exceed this rate on highly erodible land with less than 30% plant residue cover. Control of certain weeds may be reduced and a tank mix partner or an application of a postemergence herbicide may be needed.

Split applications can be made less than 30 days before planting if desired.

DBP – Days before planting

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

[Medium](#)

[Loam](#)

[Silt Loam](#)

[Silt](#)

Tillages

[No-Tillage](#)

[Minimum](#)

Timings

[Early Preplant](#)

[30 to 45 days before planting.](#)