

## **SOYBEAN - REGION 4**

### General Information

#### PRODUCT INFORMATION

Read all label directions before using.

BATTLE STAR is a selective herbicide which may be applied preplant, preemergence or postemergence for control or suppression of broadleaf weeds, grasses and sedges in soybeans.

BATTLE STAR is generally most effective and consistent when used postemergence, working through contact action. Therefore, emerged weeds must have thorough spray coverage for effective control. Some bronzing, crinkling or spotting of soybean leaves may occur following a postemergent application, but soybeans soon outgrow these effects and develop normally.

Optimum weed control is achieved by postemergent applications of BATTLE STAR to young actively growing broadleaf weeds that are not under stress from moisture, temperature, low soil fertility, mechanical or chemical injury.

Certain germinating broadleaf weeds, grasses and sedges may be controlled or suppressed by soil residual activity from either preplant, preemergent or postemergent applications if rainfall occurs shortly after application. The extent and consistency of soil activity is dependent upon soil characteristics, ground cover, amount of rainfall following application and the rate of BATTLE STAR used.

#### Information on Weed Resistance

Naturally occurring biotypes of certain broadleaf species with resistance to this herbicide and related products (same mode of action) are known to exist. Selection of resistant biotypes, through repeated use of these herbicides, may result in control failures.

If poor performance cannot be attributed to adverse weather conditions or improper application methods, a resistant biotype may be present.

In such a case, additional treatments with this herbicide or similar mode of action

products are not recommended. Consult your local company representative or agricultural advisor for assistance.

## APPLICATION DIRECTIONS

### Application Timing

Best broad spectrum postemergence control of susceptible broadleaf weeds is obtained when BATTLE STAR is applied early to actively growing weeds. This usually occurs 14 to 28 days after planting. Refer to the weed control tables for specific recommendations on weed growth stages and rates.

### Ground Application

Use sufficient spray volume and pressure to ensure complete coverage of the target. A minimum spray volume of 15 gals./A and 30-60 psi at the nozzle tip is recommended. On large weeds and/or dense foliage, use 60 psi and a minimum of 20 gals./A to ensure coverage of weed foliage.

The use of flat fan nozzles will result in the most effective postemergence application of BATTLE STAR. The sprayer must be calibrated to provide the proper volume and rate per acre. In addition, the boom and nozzle height must be adjusted to provide complete coverage of target weeds.

**DO NOT USE FLOOD TYPE OR OTHER SPRAY NOZZLES, WHICH DELIVER COARSE, LARGE DROPLET SPRAYS.**

### Band Applications

Thorough weed coverage is important for postemergent control. Best coverage is obtained with a minimum of two nozzles, one directed to each side of the planted row. Application with a single nozzle directed over the top of the row is not recommended for postemergence applications but is suitable for preemergence applications. Cultivation of untreated areas may be needed following band applications. When making postemergence band applications and cultivating in the same operation, position nozzles in advance of the cultivation device. This will reduce dust in the spray area. Dust can intercept spray, reducing weed coverage, resulting in less than adequate weed control.

## Aerial Application

Use sufficient spray volume and pressure to ensure complete coverage of the target. A minimum of 5 gals./A of spray mixture should be applied with a maximum of 40 PSI pressure. When broadleaf weed foliage is dense, use a minimum of 10 gals./A to ensure coverage of weed foliage.

**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.**

## Cultivation

Cultivation prior to application is not recommended. Cultivation may put weeds under stress, reducing weed control. Timely cultivation 1-3 weeks after applying BATTLE STAR may assist weed control.

## Rainfastness

BATTLE STAR requires a 1 hour rain-free period for best results when applied postemergence.

## PRECAUTIONS & RESTRICTIONS

- A maximum of 1.6 pts. of BATTLE STAR (or a maximum of 0.375 lbs. a.i./A of fomesafen from any product containing fomesafen) may be applied per acre per year in Region 1 (see Regional Use Map)
- A maximum of 1.6 pts. of BATTLE STAR (or a maximum of 0.375 lbs. a.i./A of fomesafen from any product containing fomesafen) may be applied per acre in alternate years in Region 2 (see Regional Map).
- A maximum of 1.3 pts. of BATTLE STAR (or a maximum of 0.313 lbs. a.i./A of fomesafen from any product containing fomesafen) may be applied per acre in alternate years in Region 3 (see Regional Map).
- A maximum of 1 pt. of BATTLE STAR (or a maximum of 0.25 lbs. a.i./A of fomesafen from any product containing fomesafen) may be applied per acre in alternate years in Region 4 (see Regional Map).
- A maximum of 0.75 pt. of BATTLE STAR (or a maximum of 0.1875 lbs. a.i./A of fomesafen from any product containing fomesafen) may be applied per acre in

alternate years in Region 5 (see Regional Map).

- Thoroughly clean the spray system with water and a commercial tank cleaner before and after each use.
- Tank mixes of BATTLE STAR with other pesticides, fertilizers or any other additives except as specified on the label or other approved Albaugh, Inc. supplemental labels may result in tank mix incompatibility, unsatisfactory performance and/or unsatisfactory crop injury.
- Apply postemergence to actively growing weeds. Avoid applying BATTLE STAR to weeds or soybeans which are under stress from moisture, temperature, low soil fertility, mechanical or chemical injury, as reduced weed control and/or increased crop injury may result.
- Avoid overlapping spray swaths, as injury may occur to rotational crops.
- To provide adequate spray coverage, ground speed must not exceed 10 MPH during application.
- Do not graze treated areas or harvest for forage or hay.
- Do not apply within 45 days of soybean harvest.

## REGION 1

(Maximum Rate 1.6 pts./A per year)

REGION 1: Includes the following states or portion of states where BATTLE STAR may be applied: Alabama, Arkansas, Florida (except Miami-Dade County), Georgia, Louisiana, Mississippi, Missouri (Counties of Bollinger, Butler, Cape Girardeau, Dunklin, Madison, Mississippi, New Madrid, Pemiscot, Perry, Ripley, Scott, Stoddard and Wayne), North Carolina, Oklahoma (East of U.S. Highway 75 and East of Indian Nation Parkway), South Carolina, Tennessee and Texas (all areas East of U.S. Highway 77 to State Road 239, including all of Calhoun County).

## REGION 2

(Maximum Rate 1.6 pts./A, alternate years)

REGION 2: Includes the following states or portion of states where BATTLE STAR

may be applied: Delaware, Kentucky, Maryland, Virginia and West Virginia. South of Interstate 70 in the following states: Illinois, Indiana and Ohio and in Pennsylvania (all areas South of Interstate 80 to the intersection of U.S. Highway 15 and East of U.S. Highway 15 and U.S. Highway 522).

### REGION 3

(Maximum Rate 1.3 pts./A, alternate years)

REGION 3: Includes the following states or portion of states where BATTLE STAR may be applied: Connecticut, Iowa, Maine, Massachusetts, Missouri (all counties except for those listed in Region 1), New Hampshire, New Jersey, New York, Pennsylvania (all areas except those listed in Region 2), Rhode Island, Vermont, Wisconsin (South of U.S. Highway 18 between Prairie Du Chien and Madison, and South of Interstate 94 between Madison and Milwaukee) and North of Interstate 70 in the following states: Illinois, Indiana and Ohio.

### REGION 4

(Maximum Rate 1 pt./A, alternate years)

REGION 4: Includes the following states or portion of states where BATTLE STAR may be applied: Kansas (all counties East of or intersected by U.S. Highway 281), Michigan (Southern Peninsula), Minnesota (all areas South of Interstate 94), Nebraska (all counties East of or intersected by U.S. Highway 281), and Wisconsin (all areas except those in Region 3, South of Interstate 94 from Minnesota state line to Eau Claire and South of U.S. Highway 29 from Eau Claire to Green Bay plus Barron, Chippewa, Clark, Door, Dunn, Eau Claire, Kewaunee, Marathon, Menominee, Oconto, Polk, Shawano, and St. Croix counties). The following counties are excluded: Adams, Marquette, Portage, Waupaca, Waushara and Wood). North Dakota (all areas East of Interstate 29 from Fargo South to the South Dakota state line), South Dakota (all areas East of Interstate 29 from the North Dakota state line to Watertown, all areas East of Highway 81 from Watertown to Madison and all areas East and South of State Road 34 and U.S. Highway 281 to the Nebraska state line).

### REGION 5

(Maximum Rate 0.75 pts./A, alternate years)

REGION 5: Includes the following states or portion of states where BATTLE STAR may be applied: North Dakota (all areas East of U.S.

Highway 281 except those areas in Region 4), South Dakota (all areas East of U.S. Highway 281 except those areas in Region 4) and Minnesota (all areas South of U.S. Highway 2 except those areas in Region 4).

Refer in the label for tank mix information.

#### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Band application](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Band application](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Band application](#)

#### Rates

[field rates 0](#)

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Restricted Entry Interval

24 hours

#### Timings

[Preplant](#)

[Preemergence \(Weed\)](#)

[Postemergence \(Weed\)](#)