

SPECIMEN LABEL

Agri Star®

FOMESAFEN GROUP 14 HERBICIDE

BATTLE STAR®

ACTIVE INGREDIENT: Sodium salt of fomesafen	
5-[2-chloro-4-(trifluoromethyl)phenoxy]-N-(methylsulfonyl)-2-nitrobenzamide	22.1%*
OTHER INGREDIENTS:	77.9%
TOTAL:	100.0%

*Equivalent to 21.0% fomesafen or 1.88 lbs. fomesafen active ingredient per gal.

EPA Reg. No. 42750-229

EPA Est. No. 42750-MO-001

**KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.• Call a Poison Control Center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none">• Call a Poison Control Center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to by a Poison Control Center or doctor.• Do not give anything to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a Poison Control Center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible.• Call a Poison Control Center or doctor for further treatment advice.

NOTE TO PHYSICIAN - Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

HOT LINE NUMBER - For 24 Hour Emergency Assistance call CHEMTREC at 1-800-424-9300

See inside booklet for additional **PRECAUTIONARY STATEMENTS**

*For Control of Weeds in Cotton,
Dry Beans, Potatoes, Snap Beans
and Soybeans*

Manufactured by:
ALBAUGH, LLC
1525 NE 36th Street
Ankeny, Iowa 50021

**FOR CHEMICAL SPILL, LEAK,
FIRE, OR EXPOSURE, CALL
CHEMTREC 1-800-424-9300**



Albaugh®
Your Alternative™

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER/PELIGRO

This product contains fomesafen which has been determined to cause tumors in laboratory animals (mice). Risks can be reduced by closely following use directions and precautions and by wearing the protective clothing specified elsewhere on this label.

Corrosive. Causes irreversible eye damage. Causes skin irritation. Harmful if absorbed through skin. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get on skin. Do not get in eyes or on clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below:

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants.
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or Viton®.
- Chemical-resistant footwear plus socks.
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing or loading.

In addition for aerial applications mixers and loaders handling more than 150 gallons of BATTLE STAR in any single workday must wear:

- Dust/mist filtering NIOSH-approved respirator with any N, R, P, or HE filter.
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USER SAFETY REQUIREMENTS

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
 - Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
 - Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
-

ENVIRONMENTAL HAZARDS

For Terrestrial Uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment wash water or rinsate. Do not apply when weather conditions favor drift from target area.

Groundwater Advisory

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to spray drift and run off of rain water. This is especially true for poorly draining soils and soils with shallow groundwater. This product is classified as having high potential for reaching surface water via runoff for several months after application. A level well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of fomesafen from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. See the manual for "Conservation Buffers to Reduce Pesticide Losses" at the following internet address:

<http://www.wsi.nrcs.usda.gov/products/W2Q/pest/core4.html>

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Non-Target Organism Advisory Statement: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over short-sleeved shirt and short pants.
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or Viton.
- Chemical-resistant footwear plus socks.
- Protective eyewear.

SPRAY DRIFT

AERIAL APPLICATIONS:

- Do not release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a coarser droplet size (ASABE S572.1)
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE 572.1).
- For aerial application: Do not apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% of less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters. Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

GROUND BOOM APPLICATIONS:

- User must only apply with the nozzle height recommended by the manufacturer, but no more than three feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than four feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

CONTROLLING DROPLET SIZE – GROUP BOOM

- Volume: Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure: Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle: Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

CONTROLLING DROPLET SIZE: AIRCRAFT

- Adjust Nozzles: Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT: Ground Boom

- Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT: Aircraft

- Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS:

- Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY:

- When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS:

- Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND:

- Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

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 cotton, dry beans, potatoes, snap beans and soybeans.

Preplant Surface and Preemergence Applications

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.

Postemergence Applications

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.

Soil Characteristics

Application of BATTLE STAR to soils with high organic matter and/or high clay content may require higher rates than soils with low organic matter and/or low clay content. Refer to the Regional Use Map, weed control tables, and specific crop use sections for directions on use rates based on soil texture.

Environmental and Agronomic Conditions

Always apply BATTLE STAR under favorable environmental conditions that promote active weed growth. Avoid applying BATTLE STAR to weeds or labeled crops which are under stress from drought, extreme temperatures, excessive water, low humidity, low soil fertility, mechanical or chemical injury as reduced weed control and/or increased crop injury may result.

Rainfastness

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

Cultivation

Cultivation prior to postemergence 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.

HERBICIDE RESISTANCE MANAGEMENT

BATTLE STAR contains the active ingredient fomesafen which inhibits the enzyme, protoporphyrinogen oxidase (PPO or PROTOX, Site of Action Group 14). Some naturally occurring weed populations have been identified as resistant to Group 14 herbicides. Selection of resistant biotypes, through repeated use of these herbicides or lower than specified use rates in the same field, may result in weed control failures.

Some weeds are known to develop resistance to herbicides that have been used repeatedly. While the development of herbicide resistance is well understood, it is not easily predicted. Therefore herbicides should be used in conjunction with the resistance management strategies in the area. If herbicide resistance should develop in the area, this product used alone may not continue to provide sufficient levels of weed control.

If the reduced levels of control cannot be attributed to improper application techniques, improper use rates, improper application timing, unfavorable weather conditions or abnormally high weed pressure, a resistant strain of weeds may have developed.

Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species

The following Best Management Practices (BMP) will reduce the potential for weed resistance:

- Ensure that good spray coverage is achieved with proper spray volumes and calibrated equipment.
- Plant into weed-free fields and keep fields as weed-free as possible.
- Avoid tank mixes that may cause antagonism and reduced weed control.
- Where possible, avoid the repeated use of herbicides with the same mode of action (i.e., same group number) in successive seasons either in cereal crops or rotational crops.
- Use mechanical cultivation, fertilizer regimens, seeding rates and row widths that enhance crop competitiveness.
- Prevent weed escapes from producing seed either in the crop or during fallow periods.
- Always apply this product at the specified rates and in accordance with the use directions. Do not use less than specified label rates alone or in tank mixtures. Do not use reduced rates of the tank mix partner.
- Scout fields carefully to determine the appropriate time for application.
- Scout fields carefully after application for performance in control of weeds.
- Prevent an influx of weeds into the field by managing field borders.
- If resistance is suspected, contact the local or State agricultural advisors or your local Albaugh representative for assistance at 1-800-247-8013.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide recommendations available in your area.

APPLICATION DIRECTIONS

This pesticide may only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, nontarget plants) is minimal (i.e., when the wind is blowing away from the sensitive area).

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 directions on weed growth stages and rates.

Spray Additives

Only spray additives cleared for use on growing crops under 40 CFR 180.1001 may be used in the spray mixture.

For Postemergence Applications Always Add One of the Following:

(except in tank mix with products prohibiting spray additives - (See Tank Mix Directions for Use).

Crop Oil Concentrate (COC) or Methylated Seed Oil (MSO):

Use a nonphytotoxic COC or MSO containing 15-20% approved emulsifier at 0.5-1% v/v (2-4 qts./100 gals.) of finished spray volume. COC or MSO can improve weed control but may slightly reduce crop tolerance.

Other Adjuvants:

Adjuvants other than COC or NIS may be used providing the product meets the following criteria:

1. Contains only EPA exempt ingredients.
2. Is nonphytotoxic to the target crop.
3. Is compatible in mixture. (May be established through a jar test.)
4. Is supported locally for use with BATTLE STAR on the target crop through proven field trials and through university and extension recommendations.

Note: no adjuvants are needed for preplant or preemergence applications unless BATTLE STAR is being used in a burndown.

Recommended Mixing Order:

1. Fill spray tank with half the required amount of water and begin agitation*
2. Add fertilizer (UAN, AMS).
3. Add dry pesticide formulations.
4. Add BATTLE STAR.
5. Add liquid pesticide formulation.
6. Add adjuvant (MSO, COC or NIS).
7. Add remainder of water and then maintain constant agitation.

*Compatibility agent, 1 gal./500 gals, of water or 0.2% v/v, may be added as needed.

Tank-Mix Compatibility Test

A jar test is recommended prior to tank mixing to ensure compatibility of BATTLE STAR with mixture partners. Add proportion amounts of tank mixture components in a clear quart jar one at a time in the recommended mixing order. Gently shake or invert capped jar and let stand for 15-30 minutes. If the mixture clumps, forms flakes, oily films or layers or other precipitates, it is not compatible and the tank mixture should not be used.

GROUND APPLICATION

Preplant Surface and Preemergence Application - Use a minimum of 10 gallons per acre. Nozzle selection should meet manufacturer's gallonage and pressure recommendations for preplant surface or preemergence applications.

Postemergence Application - Use sufficient spray volume and pressure to ensure complete coverage of the target weed. A spray volume of 10-20 gallons per acre 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 gallons per acre 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. Use nozzles that are set up to deliver medium quality spray (ASAE Standard S-572).

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.

Calculate the amount of herbicide and water volume needed for postemergence band treatment by the following formulas:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{broadcast rate per acre} = \text{Band herbicide rate per acre}$$

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{broadcast volume per acre} = \text{Band water volume per acre}$$

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, EXCEPT CENTER PIVOT SYSTEMS.

CENTER PIVOT IRRIGATION APPLICATION

BATTLE STAR alone or in tank mixture with other herbicides on this label, which are registered for center pivot application, may be applied in irrigation water preemergence (after planting but before weeds or crop emergence) at rates specified on this label. BATTLE STAR also may be applied postemergence to the crop and preemergence to weeds in crops where postemergence applications are allowed on this label. Follow all restrictions (height, timing, rate, etc.) to avoid illegal residues. Apply this product only through a center pivot irrigation system. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Operating Instructions

- The system must contain a functional check-valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distributions adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump or piston pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Prepare a mixture with a minimum of 1 part water to 1 part herbicide(s) and inject this mixture into the center pivot system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of equipment. Maintain sufficient agitation to keep the herbicide in suspension.
- Meter into irrigation water during entire period of water application.
- Apply in ½ - 1 inch of water. Use the lower water volume (½ inch) on coarser soils and the higher volume (1 inch) on fine-textured soils. More than 1 inch of water at application may reduce weed control by moving the herbicide below the effective zone in the soil.

Precaution for center pivot applications: Where sprinkler distribution patterns do not overlap sufficiently unacceptable weed control may result. Where sprinkler distribution patterns overlap excessively, crop injury may result.

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive area. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other locations affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2.5 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

Posting required for chemigation does not replace other posting and reentry interval requirements for farm worker safety.

Specific Instructions for Public Water Systems

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

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 1 pt of Reflex (or a maximum of 0.25 lb ai/A of fomesafen from any product containing fomesafen) may be applied per acre in ALTERNATE years in Region 4a (see Regional Use Map). Apply only to soybeans in Region 4a. Do not make a Reflex application later than June 20th. Cumulative rainfall plus overhead irrigation must total 15 inches from the period of Reflex application to soybean crop maturity to allow planting of rotational crops listed in this label (refer to Rotational Crop Restrictions section). If the soybean crop is lost or the required cumulative rainfall plus irrigation is not received as outlined above, plant only soybeans the following growing season.
- 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).
- Do not make ground or aerial application during temperature inversions.
- Do not apply when wind velocity exceeds 15 mph.
- Do not use on potatoes in Nassau and Suffolk Counties, New York.

PRECAUTIONS

- 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 this label or other approved Albaugh supplemental labels may result in tank mix incompatibility, unsatisfactory performance and/or unsatisfactory crop injury.
- Avoid overlapping spray swaths, as injury may occur to rotational crops.

Replanting:

If replanting is necessary in fields previously treated with BATTLE STAR, the field may be replanted to cotton, dry beans, potatoes, snap beans or soybeans. During replanting, a minimum of tillage is recommended to preserve the herbicide barrier for effective weed control.

Do not apply a second application of BATTLE STAR or other fomesafen-containing product as crop injury or illegal residues may occur in harvested crops. If tank-mix combinations were used, refer to product labels for any additional replanting instructions.

ROTATIONAL CROP RESTRICTIONS

The following rotational crops may be planted after applying BATTLE STAR at specified rates in soybeans:

Rotational Crops	Planting Time From Last BATTLE STAR Application (Months)
Bean, Dry Bean, Snap Cotton Potato Soybean Soybean, Succulent (edamame)	0
Bean, Lima Pea, Succulent Peanut Small Grains such as Wheat, Barley, Rye	4
Corn, Field Corn, Seed Corn, Sweet ⁵ Pepper (transplanted) ¹ Popcorn ⁴ Pumpkin ² Rice Tomato (transplanted) ¹ Watermelon ²	10
Bean, Succulent (other than edamame, snap bean and lima bean) Cantaloupe ² Cucumber ² Edible-podded beans and peas not otherwise specified in this table Eggplant Pea, Dry Pepper, (direct-seeded) Squash ² Sweet Potato Tomato (direct-seeded)	12
Sorghum ³	18
All other crops not listed above	18

¹ 4 months in Region 1

² 8 months in Region 1

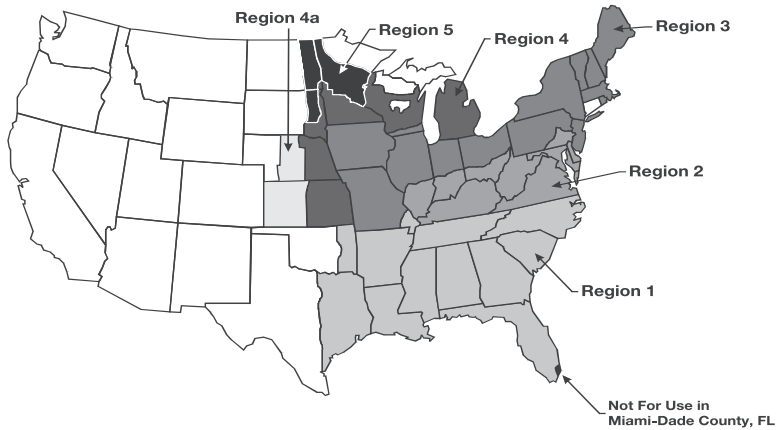
³ 10 months in Region 1

⁴ 12 months in the states of Ohio, Kentucky, Illinois, Indiana, Iowa, and Regions 4 and 4a when applied at rates of 1 pint per acre or more

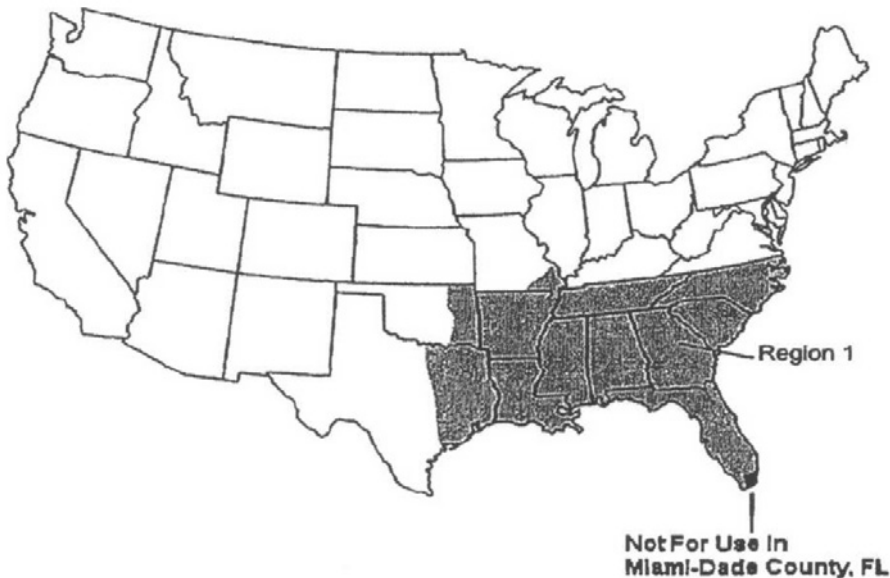
⁵ 18 months in the states of Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Vermont and Region 5

RESTRICTION: Do not graze rotated small grain crops or harvest forage or straw for livestock.

BATTLE STAR - USE RATES AND WEEDS CONTROLLED
REFER TO MAP FOR DEFINITION OF SPECIFIED GEOGRAPHIC REGIONS
BATTLE STAR REGIONAL USE MAP



REGION 1
(Maximum Rate 1.6 pts./A per year)



Includes the following states or portion of states where BATTLE STAR may be applied:

Region 1	Alabama	All areas.
	Arkansas	All areas.
	Florida	All areas except for Miami-Dade County.
	Georgia	All areas.
	Louisiana	All areas.
	Mississippi	All areas.
	Missouri	Counties of Bollinger, Butler, Cape Girardeau, Dunklin, Madison, Mississippi, New Madrid, Pemiscot, Perry, Ripley, Scott, Stoddard and Wayne.
	North Carolina	All areas.
	Oklahoma	All areas east of U.S. Highway 75 and East of Indian Nation Parkway.
	South Carolina	All areas.
	Tennessee	All areas.
Texas	All areas east of U.S. Highway 77 to State Road 239, including all of Calhoun County.	

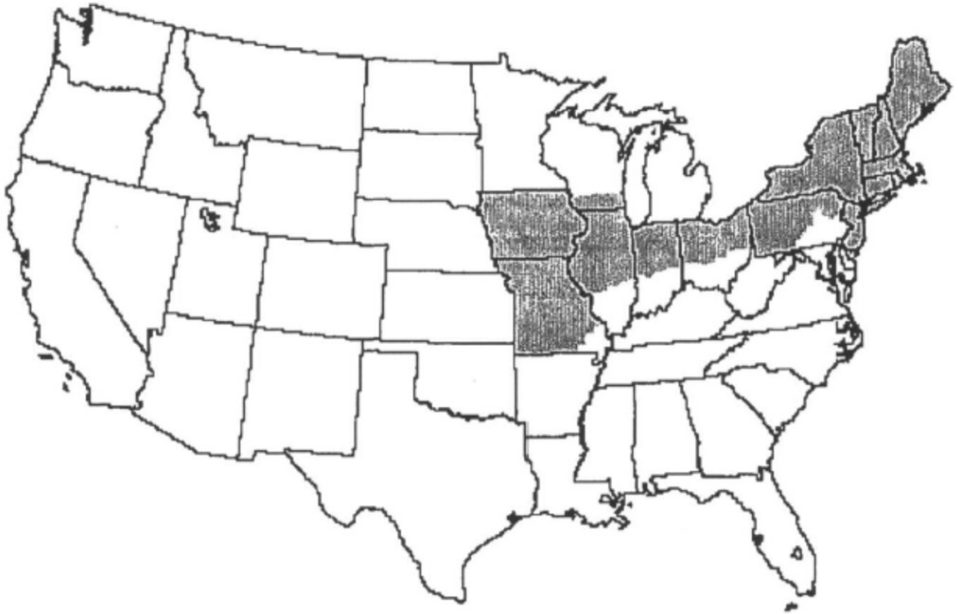
REGION 2
(Maximum Rate 1.6 pts./A, alternate years)



Includes the following states or portion of states where BATTLE STAR may be applied:

Region 2	Delaware	All areas.
	Illinois	All areas south of Interstate 70.
	Indiana	All areas south of Interstate 70.
	Kentucky	All areas.
	Maryland	All areas.
	Ohio	All areas south of Interstate 70.
	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.
	Virginia	All areas.
West Virginia	All areas.	

REGION 3
(Maximum Rate 1.3 pts./A, alternate years)



Includes the following states or portion of states where BATTLE STAR may be applied:

Region 3	Connecticut	All areas.
	Illinois	All areas north of Interstate 70.
	Indiana	All areas north of Interstate 70.
	Iowa	All areas.
	Maine	All areas.
	Massachusetts	All areas.
	Missouri	All counties except for those listed in Region 1.
	Ohio	All areas north of Interstate 70.
	New Hampshire	All areas.
	New Jersey	All areas.
	New York	All areas. Do not use on potatoes in Nassau and Suffolk counties, New York.
	Pennsylvania	All areas except those listed in Region 2.
	Rhode Island	All areas.
	Vermont	All areas.
Wisconsin	All areas south of U.S. Highway 18 between Prairie Du Chien and Madison, and south of Interstate 94 between Madison and Milwaukee.	

REGION 4
(Maximum Rate 1 pt./A, alternate years)



Includes the following states or portion of states where BATTLE STAR may be applied:

Region 4	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.
	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.
	Wisconsin	All areas south of Interstate 94 (except those in Region 3) from Minnesota state line to Eau Claire and south of U.S. Highway 29 from Eau Claire to Green Bay plus Barron, Burnett, Chippewa, Clark, Door, Dunn, Eau Claire, Langlade, Lincoln, Kewaunee, Marathon, Marinette, Menominee, Oconto, Polk, Price, Rusk, Sawyer, Shawano, St. Croix, Taylor, and Washburn counties. The following counties are excluded: Adams, Marquette, Portage, Waupaca, Waushara and Wood.

REGION 4a
(Maximum Rate 1 pt/A, Alternate Years*)



Includes the following portions of states where BATTLE STAR may be applied:		
Region 4a	Kansas	All areas west of U.S. Highway 281 to the Colorado state line.
	Nebraska	All areas that intersect west of U.S. Highway 281 and east of U.S. Highway 83.

*Note: Refer to the Use Precautions section for additional requirements that must be followed to use BATTLE STAR in Region 4a.

REGION 5
 (Maximum Rate 0.75 pts./A, alternate years)



Includes the following states or portion of states where BATTLE STAR may be applied:		
Region 5	Minnesota	All areas south of U.S. Highway 2 (except those areas in Region 4), plus Betrami, Clearwater, Lake of the Woods, Kittson, Marshall, Pennington, Polk, Red Lake, and Roseau.
	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.

WEEDS CONTROLLED

Table 1. Weeds controlled or partially controlled* by preemergence activity of BATTLE STAR at 1 to 1.6 pints/A¹.

Broadleaf Weeds Controlled	Soil Texture	Organic Matter
Amaranth Palmer	All soil types	Up to 5%
Croton, topic ²		
Eclipta		
Galinsoga spp.		
Lambsquarter, common		
Morningglory, smallflower		
Nightshade, black		
Nightshade, Eastern black		
Pigweed, redroot		
Pigweed, smooth		
Poinsetti, wild		
Purslane, common		
Ragweed, common ²		
Sida, prickly ²		
Starbur, bristly		
Broadleaf Weeds Partially Controlled*		
Anoda, spurred		
Cocklebur, common		
Morningglory, entireleaf		
Morningglory, ivyleaf		
Morningglory, pitted		
Morningglory, red/scarlet		
Morningglory, tall		
Nightshade, hairy		
Ragweed, giant		
Waterhemp, common		
Sedges Partially Controlled*		
Nutsedge, yellow		

*Partial control means significant activity but not always at a level considered acceptable for commercial weed control

¹Use the higher end of the rate range when heavy weed populations are anticipated.

²Rates less than 1.6 pints/A will provide only partial control of this weed.

Table 2. Application Rates For Weed Growth Stages

Weed	BATTLE STAR (pt./A)			
	Maximum Growth Stage Controlled At			
	0.75 pt./A No. of True Leaves	1 pt./A No. of True Leaves	1.3 pts./A No. of True Leaves	1.6 pts./A No. of True Leaves
Anoda, Spurred	--	--	--	2
Balloonvine	--	--	2 ^c	2
Carpetweed	--	6" Diameter Size	Multi-leaf 6" diameter	Unlimited Size
Citron (Wild Watermelon)	--	2	2	4
Cocklebur, Common ^{a,b}	--	--	2	4
Copperleaf, Hophornbeam	--	2	2	4
Copperleaf, Virginia	--	2	2	4
Crotalaria, Showy	--	4	4	6
Croton, Tropic	--	2	2	4
Cucumber, Volunteer	--	4	4	6
Eclipta	--	2	2	4
Groundcherry, Cutleaf	--	4	4	6
Hemp ^b	--	--	4	6
Horsenettle ^b	--	2 ^c	3 ^c	4 ^c
Jimsonweed	2	4	6	8
Ladysthumb	--	2	2	4
Lambsquarters, Common ^c	--	2	2	2
Mexicanweed	--	2 ^c	2 ^c	2
Morningglory				
Cypressvine	--	4	4	6
Entireleaf var.	2 ^c	2	2	4
Ivyleaf	2 ^c	2	2	4
Purple Moonflower	--	2	4	4
Red (Scarlet)	--	2	2	4
Smallflower	--	2	2	4
Pitted (Smallwhite)	--	4	4	4
Tall (Common)	2 ^c	2	2	3
Palmleaf (Willowleaf)	--	2	2	4
Mustard, Wild	2	4	6	8
Nightshade, Black	2	4	4	4
Nutsedge, Yellow	--	--	--	Suppression Only
Pigweed, spp.				
Amaranth, Palmer	2 ^c	4	4	6
Amaranth, Spiny	2 ^c	2	2	4
Redroot	2 ^c	4	6	6
Smooth	2 ^c	4	4	6
Poinsettia, Wild	--	--	--	3
Purslane, Common	--	Multi-Leaf 6" Diameter	Multi-Leaf 6" Diameter	Multi-Leaf 8" Diameter

Table 2. Application Rates For Weed Growth Stages (cont.)

Weed	BATTLE STAR (pt./A)			
	Maximum Growth Stage Controlled At			
	0.75 pt./A No. of True Leaves	1 pt./A No. of True Leaves	1.3 pts./A No. of True Leaves	1.6 pts./A No. of True Leaves
Pusley, Florida	--	2	2	4
Ragweed, Common	2	4	4	6
Ragweed, Giant ^a	--	--	4	4
Redweed	--	--	--	3 ^c
Sesbania, Hemp	--	6	6	12
Sicklepod	--	--	--	Cotyledon ^c
Sida, Prickly	--	--	--	Cotyledon ^c
Smartweed, Pennsylvania	2 ^c	4	4	6
Smellmelon	--	--	--	2
Spurge, Prostrate	--	--	--	1" Diameter
Spurge, Spotted	--	--	--	2 ^c
Starbur, Bristly	--	2	2	4
Sunflower, Common	--	--	--	2
Velvetleaf ^b	--	--	2	4
Venice Mallow	2	4	4	6
Witchweed	--	Multi-Leaf Up to 7"	Multi-Leaf Up to 7"	Multi-Leaf Up to 10"
Waterhemp, common	2 ^c	2	2	6
Waterhemp, Tall	2 ^c	2	2	4
Yellow Rocket	2	4	6	6

^aPartial control means significant activity but not always at a level considered acceptable for commercial weed control.

^bDo not apply in cotyledon stage

^cFor effective control of this weed it is necessary to use 1% MSO and 2.5% UAN v/v as adjuvant in Regions 2 and 3 (soybeans only).

^dPartial control.

SPECIAL USE DIRECTIONS FOR ADDITIONAL WEED PROBLEMS

Partial Control* of Annual Grasses:

The grasses listed below may be suppressed by postemergence applications and controlled or suppressed by preemergence applications of BATTLE STAR at 1 – 1.6 pts./A. Consult Use Rate Table for maximum rate in each region. For full-season broad-spectrum annual grass control, Fusilade® DX or Fusion® herbicide should be used alone or in tank mix with BATTLE STAR. Consult tank mix section.

Barnyardgrass
Broadleaf Signalgrass
Crabgrass
Foxtail
 Giant
 Green
 Yellow
Goosegrass
Johnsongrass, Seedling
Panicum, Fall
Panicum, Texas

Partial Control* of Perennial Weeds:

Use of BATTLE STAR at postemergence rates of 1 - 1.6 pts./A will aid in suppressing the above-ground portions of the weeds listed below until crop canopy can assist in suppression. Perennial weeds continue to regrow from underground rootstocks even if above-ground foliage is temporarily controlled or retarded. Even though BATTLE STAR and crop competition can suppress perennial weeds for a growing season, the rootstocks will continue to live and reestablishment will occur in subsequent years.

Milkweed, Climbing
Milkweed, Honeyvine
Bindweed, Field
Bindweed, Hedge
Trumpet creeper

*Partial control means significant activity but not always at a level considered acceptable for commercial weed control

COTTON USE DIRECTIONS

Preemergence Application:

Apply BATTLE STAR pre-emergence at 1 - 1.6 pts./A in cotton in Region 1 for control or partial control of the weeds listed in Table 1 of the container label. Apply as a pre-emergence treatment only to coarse textured soils (sandy loam, loamy sand, sandy clay loam).

Do not apply as a pre-emergence treatment to medium or fine-textured soils as crop injury will likely occur.

Preplant Surface Application to Medium or Fine-Textured Soils

Apply BATTLE STAR at 1 pt/A as a preplant surface application to medium or fine- textured soils (i.e., soil types heavier than coarse-textured soils) up to 21 days prior to planting cotton. Apply after the last tillage operation is completed. Refer to Table 1 for a list of weeds controlled or partially controlled. Do not exceed 1 pt/A of BATTLE STAR on medium or fine-textured soils. Also, to avoid severe crop injury, the following directions must be followed when application is made to medium or fine- textured soils:

- After BATTLE STAR application, a minimum of 0.5 inch of rainfall or overhead irrigation must occur before planting cotton.
- Cotton must be planted at least 0.75 inch in depth.
- Avoid overlapping spray swaths.
- Do not disturb or re-work the seedbed following application.

The use of an in-furrow or seed applied fungicide will generally assist with seedling establishment and development.

Cotton plants are tolerant to preplant surface or preemergence applications of BATTLE STAR when applied at specified rates and application use directions. Some crinkling or spotting of cotton foliage or stunting may occur, but cotton plants normally outgrow these effects and develop normally.

Cotton foliage is not tolerant to BATTLE STAR. Do not apply BATTLE STAR over the top of emerged cotton as unacceptable cotton injury will occur.

Reflex Tank Mixes for Preplant Surface or Preemergence Application

To broaden the weed control spectrum, BATTLE STAR may be tank mixed with other preemergence herbicides such as Caparol®, Cotoran®, Direx®, Karmex®, Solicam®, or Staple®. For control of emerged weeds, BATTLE STAR may be tank mixed with a burndown herbicide such as Gramoxone Inteon™ or glyphosate brands (such as Touchdown®, Roundup®) labeled in cotton. In reduced tillage plantings, BATTLE STAR can be applied up to 14 days prior to planting or at planting with a burndown herbicide. Refer to the tank-mix partner label for use directions, restrictions and limitations. The most restrictive product labeling applies.

Post-Directed Application:

Apply BATTLE STAR in emerged cotton as a post-directed treatment using precision post-directed, hooded or shielded application equipment to provide complete coverage of emerged weeds. Apply BATTLE STAR at 1 - 1.6 pints per acre in a minimum of 10 gallons spray solution per acre. Post-directed applications of BATTLE STAR will provide contact control of labeled emerged weeds and residual pre-emergence control of labeled weeds (once activated by rainfall or irrigation). See container label sections for a list of weeds controlled, specified application rates, weed growth stages, and application directions.

BATTLE STAR should be applied with a non-ionic surfactant at 0.25 to 0.5% v/v, or crop oil concentrate at 1% v/v to emerged weeds. Do not add liquid nitrogen (28% or similar) to BATTLE STAR, or BATTLE STAR tank mixes in cotton.

To broaden the weed control spectrum, post-directed applications of BATTLE STAR may be tank mixed with other labeled post-directed herbicides such as Caparol, Direx, Dual MAGNUM®, Envoke®, Karmex, Layby™ Pro, MSMA, Sequence®, or Suprend®. When applied with hooded or shielded sprayers, BATTLE STAR and BATTLE STAR tank mixes may be applied with burndown products such as Gramoxone Inteon, Sequence or glyphosate brands (such as Touchdown, Roundup) labeled for in crop application in cotton. Refer to the tank-mix partner label for use directions, restrictions and limitations. The most restrictive product labeling applies.

Cotton foliage is not tolerant to BATTLE STAR applications. Avoid contact to cotton foliage as unacceptable injury will occur. Application equipment should be calibrated (spray pressure, nozzle type and configuration, and orifice size) to avoid fine spray droplets contacting green cotton stems and foliage.

Post-Directed Application Timing In Cotton:

BATTLE STAR may be applied to cotton at least 6 inches in height through lay-by as a post-directed application. All post-directed applications should avoid spray contact with any green non-barked parts of the cotton plant or foliage as unacceptable injury will occur. Follow the application timing recommendations below for post-directed applications in cotton.

Shield and Hooded Applications:

Make a precision post-directed BATTLE STAR application to the base of the cotton plant avoiding contact with the cotton stem or foliage when cotton is at least 6 inches in height to avoid cotton injury. Use only hooded or shielded spray equipment to apply BATTLE STAR in cotton that is 6 inches to 12 inches in height. Adjust nozzles to provide full coverage of emerged target weeds.

Layby Applications:

Make a post-directed BATTLE STAR application to the base of the cotton plant avoiding contact with any non-barked portion of the cotton plant or foliage. Use precision post-directed equipment or hooded or shielded sprayers on cotton that has developed a minimum of 4 inches of brown bark through layby. Application equipment should be configured to provide full coverage of emerged target weeds.

RESTRICTIONS FOR USE ON COTTON:

- Do not apply BATTLE STAR later than 70 days before harvest.
- Do not apply more than 1.6 pints per acre of BATTLE STAR in any year.
- Do not make more than one application of BATTLE STAR per year.
- If two consecutive year applications are made, allow a 2 year interval before another application.
- Do not apply more than 1 pint per acre of BATTLE STAR as a preplant surface application to medium or fine-textured soils.

Special Use Directions for the Suppression of Woollyleaf Bursage (Lakeweed), *Ambrosia grayi*, in Texas:

Apply BATTLE STAR to cultivated areas of cropland in the fall or spring at a rate of 1.6 pints per acre and incorporate to a depth of 2-3 inches for suppression of woollyleaf bursage.

Applications should be made with ground equipment.

The use of adjuvants, as specified under the Spray Additives section, will significantly improve the initial burndown of any emerged woollyleaf bursage, but this effect is only temporary. Therefore, an adjuvant may be used if desired, but is not necessary.

Significant suppression may not be seen until 6-8 months after application, but should then continue for at least 2 years after application. Cotton or soybeans may be planted in treated areas. Under certain conditions, significant damage may occur to cotton planted within 18 months of application. A 3-year interval from last application to planting is required for all other crops.

DRY BEANS AND SNAP BEANS

Preplant Surface and Preemergence Application

Apply BATTLE STAR as a preplant surface or preemergence application in Regions 1, 2, 3, and 4 only for control or partial control of the weeds listed in Table 1. BATTLE STAR can be applied alone, or tank mixed or followed sequentially with other labeled dry bean or snap bean herbicides to broaden the weed control spectrum or control newly emerged weeds. Refer to the Tank Mix and Sequential Application section for additional information.

NOTE: Treated soil that is splashed onto newly emerged seedlings may result in temporary crop injury but plants normally outgrow these effects and develop normally.

Postemergence Application

Apply BATTLE STAR as a postemergent broadcast application in Regions 1, 2, 3, 4 and 5 for control or partial control of the weeds listed in Table 2 and in the Special Use Directions for Additional Weed Problems section. Application rate depends on weed species and growth stage. Two applications may be made if necessary but not to exceed the maximum rate specified per geographic region. (Refer to map for definition of specified geographic regions). Refer to the Spray Additive section for recommended spray additives. Use of crop oil concentrate can improve weed control but may slightly reduce crop tolerance. Do not use UAN (28% or similar) or ammonium sulfate on dry beans or snap beans as severe crop injury may occur. Apply when dry beans or snap beans have at least one fully expanded trifoliate leaf.

BATTLE STAR can be applied alone or in tank mix with other labeled dry bean or snap bean postemergence herbicides to broaden the weed control spectrum. Refer to the Tank Mix and Sequential Application section.

Some bronzing, crinkling or spotting of dry bean or snap bean leaves may occur following postemergent applications, but dry beans and snap beans soon outgrow these effects and develop normally.

Tank Mix and Sequential Applications for Dry Beans and Snap Beans

BATTLE STAR can be used sequentially or in tank mix with the following products:

Dry Beans and Snap Beans	Dry Beans Only
Assure II® Basagran® Dual MAGNUM Eptam® Poast® Prowl® Imazethapyr 2SC Raptor® Trifluralin 4E	Frontier® Clethodim 2E Sonalan®

Under certain conditions, the mixture of BATTLE STAR with one or more of the above mentioned broadleaf herbicides may cause a reduction in activity of any post-emergence grass herbicide in the mixture.

For sequential applications allow 2-3 days after the application of the post-emergence grass herbicide before applying BATTLE STAR or BATTLE STAR mixtures. Where BATTLE STAR or the BATTLE STAR mixture is applied first, apply the grass herbicide when the grass weeds begin to develop new leaves (generally around 7 days).

NOTE: Tank-mix applications can result in increased crop injury as compared to either product used alone.

Always read and follow the recommendations, restrictions and limitations for all products whether used alone, sequentially or in a tank mix. The most restrictive labeling of any product used applies.

Restrictions - Dry Beans and Snap Beans

- Refer to BATTLE STAR Regional Use Map for the maximum rate of BATTLE STAR (or other fomesafen containing products) that may be applied in each geographic region.
- Do not apply to any field in Regions 2, 3, 4 or 5 more than once every two years.
- For snap beans: Do not exceed 1.6 pints of BATTLE STAR per acre in any one year and also adhere to the maximum rate that may be applied in each geographic region (refer to the BATTLE STAR Regional Use Map). Do not graze treated areas or harvest for forage or hay. Do not utilize hay or straw for animal feed or bedding. Do not apply within 30 days of harvest.
- For dry beans: Do not exceed 1.6 pints of BATTLE STAR per acre in any one year and also adhere to the maximum rate that may be applied in each geographic region (refer to the BATTLE STAR Regional Use Map). Do not graze animals on green forage or stubble. Do not utilize hay or straw for animal feed or bedding. Do not apply within 45 days of harvest.

POTATOES

Apply BATTLE STAR at 1 pt./A as a broadcast preemergence application after planting but before potato emergence for control or partial control of weeds listed in Table 1. Effectiveness will be reduced if later cultural practices expose untreated soil. For application by center pivot irrigation, see the Center Pivot Irrigation Application section of this label.

Note: Potato varieties may vary in their response to BATTLE STAR. When using BATTLE STAR for the first time on a particular variety, always determine crop tolerance before using.

Tank Mixtures With Other Products Registered for Use in Potatoes:

For preemergence applications in potatoes, BATTLE STAR may be tank mixed with other pesticide products registered for use in this way and timing in potatoes. Follow the directions for use, observe the stated precautions, and abide by the limitations and restrictions on the most restrictive of the product labels. If you have no previous experience mixing these products under your conditions, perform a compatibility test before attempting large-scale mixing (see Tank Mix Compatibility Test section of this label).

Product Use Restrictions – Potatoes

- Do not exceed 1 pt./A of BATTLE STAR per year. Refer to Regional Use Map for the maximum rate of BATTLE STAR (or other fomesafen containing products) that may be applied per year or alternate year in each geographic region.
- Do not harvest potatoes treated with BATTLE STAR within 70 days of application.
- Do not apply BATTLE STAR to sweet potatoes or yams.
- Do not apply BATTLE STAR as a preplant incorporated application in potatoes or crop injury may occur.
- Do not apply to emerged potato plants or severe crop injury will occur.
- Do not use on potatoes in Nassau and Suffolk Counties, New York.

SOYBEANS

Preplant Surface and Preemergence Application

Apply BATTLE STAR as a preplant surface or preemergence application in Regions 1, 2, 3, and 4 only for control or partial control of the weeds listed in Table 1. BATTLE STAR can be applied alone or tank mixed or followed sequentially with other labeled soybean herbicides to broaden the weed control spectrum or control newly emerged weeds. Refer to the Tank Mix and Sequential Application section for additional information.

For control of emerged weeds, BATTLE STAR may be tank mixed with a burndown herbicide such as Gramoxone Inteon or glyphosate brands (such as Touchdown or Roundup) labeled in soybeans. In reduced tillage plantings, BATTLE STAR can be applied up to 14 days prior to planting or at planting with a burndown herbicide.

Postemergence Application

Apply BATTLE STAR as a postemergence broadcast application in Regions 1, 2, 3, 4 and 5 for control or partial control of weeds listed in Table 2 and in the Special Use Directions For Additional Weed Problems section. Application rate depends on weed species and growth stage. Refer to the Spray Additive section for recommended spray additives. To enhance postemergence control of susceptible broadleaf weeds (soybeans only) in Regions 2, 3, 4 and 5 (see Regional Use Map), BATTLE STAR can be used with a minimum of 2.5% liquid nitrogen (28% or similar) or a minimum of 10 pounds ammonium sulfate per 100 gallons of spray volume.

BATTLE STAR can be applied alone or in combination with other labeled soybean postemergence herbicides to broaden the weed control spectrum. Refer to the Tank Mix and Sequential Application section.

Some bronzing, crinkling or spotting of soybean leaves may occur following postemergent applications, but soybeans soon outgrow these effects and develop normally.

TANK MIX AND SEQUENTIAL APPLICATIONS FOR SOYBEANS

BATTLE STAR can be used sequentially or in tank mix with one or more of the following products: Assure II[®], Basagran[®], Butyrag[®], Classic[®], FirstRate[®], Fusilade DX, Fusion, Ignite[®], Glyphosate (such as Touchdown[®], Roundup[®], GlyphomaxTM), Gramoxone[®] Inteon, Harmony[®], Poast[®], Poast Plus[®], Pursuit[®], Raptor[®], Resource[®], Scepter[®], Select[®], and Synchrony[®] STS[®].

Under certain conditions, the mixture of BATTLE STAR with one or more of the above mentioned broadleaf herbicides may cause a reduction in activity of any postemergence grass herbicide in the mixture.

For sequential applications allow 2-3 days after the application of the grass herbicide before applying BATTLE STAR or BATTLE STAR mixtures. Where BATTLE STAR or the BATTLE STAR mixture is applied first, apply the grass herbicide when grass weeds begin to develop new leaves (generally around 7 days).

NOTE:

- Tank mix applications can result in increased crop injury as compared to either product used alone.
- **RESTRICTION:** Do not exceed 1 fl. oz. of Butyrag per acre in mixture with BATTLE STAR.
- **RESTRICTION:** Do not exceed 0.25 oz./A of Synchrony STS herbicide in the tank with labeled rates of BATTLE STAR on non-STs varieties.
- Two applications may be made if necessary but not to exceed the maximum rate specified per geographic region (refer to map for definition of specified geographic regions).
- This tank mix can be applied postemergence to any soybean variety for additional broadleaf weed control. Refer to the Synchrony STS label for more information and crop rotation restrictions.
- Always read and follow the recommendations, restrictions and limitations for all products whether used alone, sequentially or in a tank mix. The most restrictive labeling of any product used applies.

GLYPHOSATE TOLERANT SOYBEAN TANK MIXES

BATTLE STAR at 6-12 oz./A, can be tank mixed with glyphosate products (such as Touchdown or Roundup) that are labeled for glyphosate tolerant soybeans for improved postemergence control of many weeds such as morning-glory spp., hemp sesbania, waterhemp, and black nightshade which are known to have tolerance to glyphosate, but are susceptible to BATTLE STAR.

FOLLOW THE DIRECTIONS ON THE GLYPHOSATE PRODUCT LABEL FOR THE USE OF SPRAY ADDITIVES IN THIS TANK MIX.

Do not allow this tank mix to move off target as contact by even minute quantities can cause severe damage or death to any non-target vegetation.

NOTE: Postemergence application of this tank mix on soybean varieties which do not contain the glyphosate tolerant gene will result in severe crop injury or death of the soybean crop. Always read and follow the recommendations, restrictions and limitations for all products used. The most restrictive labeling of any product applies.

Product Use Restrictions – Soybeans (GMO varieties and non-GMO varieties)

- Refer to Regional Use Map for the maximum rate of BATTLE STAR (or other fomesafen containing products) that may be applied in each geographic region. Do not apply to any field in Region 2, 3, 4 or 5 more than once every two years.
- Do not exceed 1.6 pints of BATTLE STAR per acre in one year and also adhere to the maximum rate that may be applied in each geographic region (refer to the Regional Use Map).
- Do not graze treated areas or harvest for forage or hay.
- Do not apply within 45 days of harvest.

SUCCULENT SOYBEAN (Edamame)

Preplant Surface and Preemergence Applications

Apply BATTLE STAR at 1-1.5 pt/A as a preplant surface or preemergence application only in Regions 1, 2, 3, and 4 in succulent vegetable soybean (edamame) or other

food-grade soybeans. Refer to Table 1 for weeds controlled or partially controlled by preplant surface and preemergence applications. Refer to the BATTLE STAR Regional Use Map for the maximum rate that may be applied in each geographic region.

NOTE: Treated soil that is splashed onto newly emerged seedlings may result in temporary crop injury but plants normally outgrow these effects and develop normally.

Postemergence Application

Apply BATTLE STAR as a postemergence broadcast application in Regions 1, 2, 3, 4 and 5 in succulent vegetable soybean (edamame) or other food-grade soybeans. Refer to Table 2 and Special Use Directions for Additional Weed Problems section for weeds controlled or partially controlled by postemergence applications. Application rate depends on weed species and growth stage. Refer to the BATTLE STAR Regional Use Map for the maximum rate that may be applied in each geographic region. Apply when succulent vegetable soybean (edamame) has at least one fully expanded trifoliate leaf. Refer to the Spray Additives section for recommended spray additives. Use of crop oil concentrate can improve weed control but may slightly reduce crop tolerance. Do not use UAN (28% or similar) or ammonium sulfate on succulent vegetable soybean (edamame).

Some bronzing, crinkling or spotting of leaves may occur following postemergence application, but succulent vegetable soybean (edamame) soon outgrow these effects and develop normally.

Tank Mixtures or Sequential Applications with Other Products Registered for Use in Succulent Soybean (Edamame)

BATTLE STAR may be tank mixed or applied sequentially with other pesticide products registered for use in succulent vegetable soybean (edamame). Always follow the directions for use, observe the stated precautions, and abide by the limitations and restrictions for all products whether used alone, sequentially or in tank mix. The most restrictive labeling of any product used applies.

A jar test is recommended prior to tank mixing to ensure BATTLE STAR compatibility with mixture partners (see Tank Mix Compatibility Test section of this label).

NOTE: Tank mix applications can result in increased crop injury as compared to either product used alone.

Use Restrictions – Succulent Soybean (Edamame)

- Refer to the BATTLE STAR Regional Use Map for the maximum rate of Reflex
- Herbicide (or other fomesafen containing products) that may be applied in each geographic region.
- Do not apply to any field in Regions 2, 3, 4 or 5 more than once every two years.
- Two applications may be made if necessary but not to exceed the maximum rate specified per geographic region (refer to map for definition of specified geographic regions).
- Do not exceed 1.5 pints of BATTLE STAR per acre in any one year and also adhere to the maximum rate that may be applied in each geographic region (refer to the BATTLE STAR Regional Use Map).
- Do not graze treated areas or harvest for forage or hay. Do not utilize hay or straw for animal feed or bedding.
- Do not apply within 30 days of harvest.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

CONTROLLING DROPLET SIZE – GROUP BOOM

- Volume: Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure: Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle: Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

CONTROLLING DROPLET SIZE: AIRCRAFT

- Adjust Nozzles: Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT: Ground Boom

- Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT: Aircraft

- Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS:

- Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY:

- When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS:

- Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND:

- Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

APPENDIX

Scientific names are listed for those weeds referred to in the BATTLE STAR label.

COMMON NAME	SCIENTIFIC NAME
Amaranth, Palmer	Amaranthus palmeri
Amaranth, Spiny	Amaranthus spinosus
Anoda, Spurred	Anoda cristata
Balloonvine	Cadiospermum halicacabum
Barnyardgrass	Echinochloa crus-galli
Bindweed, Field	Convolvulus arvensis
Bindweed, Hedge	Calystegia sepium
Broadleaf Signalgrass	Brachiaria platyphylla
Carpetweed	Mollugo verticillata
Citron (Wild Watermelon)	Citrullus vulgaris
Cocklebur, Common	Xanthium strumarium
Copperleaf, Hophornbeam	Acalypha ostryifolia
Copperleaf, Virginia	Acalypha virginica
Crabgrass	Digitaria spp.
Crotalaria, Showy	Crotalaria spectabilis
Croton, Tropic	Croton glandulosus
Cucumber, Volunteer	Cucumis sativas
Eclipta	Eclipta prostrata
Foxtail, Giant	Setaria faberi
Foxtail, Green	Setaria viridis
Foxtail, Yellow	Setaria glauca
Goosegrass	Eleusine indica
Groundcherry, Cutleaf	Physalis angulata
Hemp	Cannabis sativa
Horsenettle	Solanum carolinense
Jimsonweed	Datura stramonium
Johnsongrass, Seedling	Sorghum halepense
Ladysthumb	Polygonum persicaria
Lambsquarters, Common	Chenopodium album
Mexicanweed	Caperonia castaniifolia
Milkweed, Climbing	Sarcostemma cyanchoides
Milkweed, Honeyvine	Ampelamus albidus
Morningglory, Cypressvine	Ipomoeaquamooclit
Entireleaf	Ipomoea hederacea var. integruscula
Ivyleaf	Ipomoea hederacea var. hederacea
Purple Moonflower	Ipomoea turbinata
Red (Scarlet)	Ipomoea coccinea
Smallflower	Jacquemontia tamnifolia
Pitted (Smallwhite)	Ipomoea lacunose
Tall (Common)	Ipomoea purpurea

COMMON NAME	SCIENTIFIC NAME
Palmleaf (Willowleaf)	<i>Ipomoea wrightii</i>
Mustard, Wild	<i>Brassica kaber</i>
Nightshade, Black	<i>Solanum nigrum</i>
Nutsedge, Yellow	<i>Cyperus esculentus</i>
Panicum, Fall	<i>Panicum dichotomiflorum</i>
Panicum, Texas	<i>Panicum texanum</i>
Pigweed, Redroot	<i>Amaranthus retroflexus</i>
Pigweed, Smooth	<i>Amaranthus hybridus</i>
Poinsettia, Wild	<i>Euphorbia heterophylla</i>
Purslane, Common	<i>Portulaca oleracea</i>
Pusley, Florida	<i>Richardia scabra</i>
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
Ragweed, Giant	<i>Ambrosia trifida</i>
Redweed	<i>Melochia corchorifolia</i>
Sesbania, Hemp	<i>Sesbania exaltata</i>
Sicklepod	<i>Cassia obtusifolia</i>
Sida, Prickly	<i>Sida spinosa</i>
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
Smellmelon	<i>Cucumis melo</i>
Spurge, Prostrate	<i>Euphorbia humistrata</i>
Spurge, Spotted	<i>Euphorbia maculate</i>
Starbur, Bristly	<i>Acanthospermum hispidum</i>
Sunflower, Common	<i>Helianthus annuus</i>
Trumpetcreeper	<i>Campsis radicans</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Venice Mallow	<i>Hibiscus trionum</i>
Waterhemp, Common	<i>Amaranthus rudis</i>
Waterhemp, Tall	<i>Amaranthus tuberculatos</i>
Witchweed	<i>Striga asiatica</i>
Yellow Rocket	<i>Barbarea vulgaris</i>

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Prohibitions: Open dumping is prohibited. Do not reuse empty container.

PESTICIDE STORAGE: Store above 32°F in original containers only. If product solidifies, return to room temperature and agitate to reconstitute. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with sand, earth or synthetic absorbent. Remove to chemical waste area.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Handling [Less Than 5 Gallons]

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Drain for 10 seconds after the flow begins to drip. Fill the container % full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Container Handling [For Bulk and Mini-Bulk Containers]

Refillable container. Refill this container with pesticide only. Do not use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities. If the container is damaged, leaking or obsolete, contact Albaugh at 1-800-247-8013.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ALBAUGH or Seller. To the extent permitted by applicable law, Buyer and User agree to hold ALBAUGH and Seller harmless for any claims relating to such factors.

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