



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

August 25, 2022

Beth Anderson  
Director, Regulatory  
Atticus, LLC  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

Subject: PRIA Label and CSF Amendment – Revise Basic CSF and Add New Alternate CSFs #1-6; Add Physical and Chemical Hazards Statement; and Incorporate Sodium Acifluorfen Registration Review Interim Decision Mitigation  
Product Name: A306.01  
EPA Registration Number: 91234-108  
Application Date: March 24, 2021  
Decision Number: 573071

Dear Ms. Anderson:

The amended label and Confidential Statement(s) of Formula (CSFs) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Sodium Acifluorfen Interim Decision, and has concluded that your submission is acceptable.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSF(s):

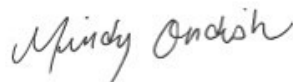
- Basic CSF dated 06/02/2022
- Alternate CSFs #1-6 dated 06/02/2022

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Julia Kerr at 202-566-2810 or at [kerr.julia@epa.gov](mailto:kerr.julia@epa.gov).

Sincerely,



Mindy Ondish  
Product Manager 23  
Herbicide Branch  
Registration Division (7505T)  
Office of Pesticide Programs

Enclosure

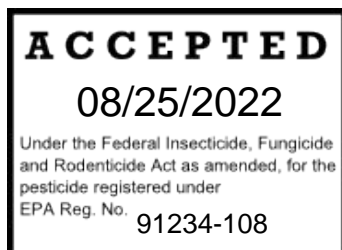
Label contains both Sublabel A: for use on peanuts, rice, soybeans and strawberries and Sublabel B: for use on soybeans.

[Note to reviewer: [Text] in brackets denotes optional or explanatory language

[Note to reviewer: {Text} in braces denotes where in the final label text will appear

{BOOKLET FRONT PANEL LANGUAGE}

Sublabel A: For use on peanuts, rice, soybeans and strawberries



ACIFLUORFEN	GROUP	14	HERBICIDE
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**A306.01<sup>[TM]</sup>**

[Alternate Brand Name: Derecho]

[For use on peanuts, rice, soybeans and strawberries]

<b>ACTIVE INGREDIENT:</b>	<b>(% by weight)</b>
Sodium salt of acifluorfen* .....	20.1%
<b>OTHER INGREDIENTS:</b> .....	<u>79.9%</u>
<b>TOTAL:</b> .....	100.0%

\*Equivalent to 2 pounds of active ingredient per gallon.

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

Si usted no entienda 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.)

See inside label booklet for additional Precautionary Statements and Directions for Use.

<b>FIRST AID</b>	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p>Have the product container or label with you when calling a poison control center (1-800-222-1222) or doctor, or going for treatment. You may also contact SafetyCall at <b>1-844-685-9173</b> for emergency medical treatment information.</p>	
<p><b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage. ANTIDOTE – No specific antidote is available. Treat symptomatically.</p>	

**For Chemical Emergency:**

**Spill, Leak, Fire, Exposure, or Accident,  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

**EPA Reg. No.: 91234-108**

**EPA Est. No.: \_\_\_\_\_**

**NET CONTENTS: \_\_\_\_\_**

**20190313a**

Manufactured for:  
**Atticus, LLC**  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

## {LANGUAGE INSIDE BOOKLET}

### **PRECAUTIONARY STATEMENTS** **HAZARDS TO HUMANS AND DOMESTIC ANIMALS** **DANGER**

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin and breathing vapor or spray mist.

#### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Mixers, Loaders and Applicators must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride  $\geq 14$  mils, or Viton  $\geq 14$  mils.
- Goggles or face shield

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use 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 cockpits in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.607(d-f)), 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**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark, except as specified on this label for application to rice. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area.

#### **Ground Water Advisory**

Sodium acifluorfen is known to leach through soil to groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable (sandy/loamy soils) and water tables are shallow could result in contamination of groundwater. Use of irrigated water in such areas will increase the likelihood of groundwater contamination.

**Fish Advisory Statement:** This product may be hazardous to aquatic organisms, particularly in clear, shallow water bodies that are adjacent to treated areas. Therefore, transport to water by runoff or spray drift of this product in areas where surface water is present, or intertidal areas below the mean high water mark should be avoided. Do not contaminate water when disposing of equipment wash water or rinsate.

**Pollinator Advisory Statement:** This product may adversely impact the forage and habitat of local pollinators, including the monarch butterfly (and its larvae), birds, or bats if reaches non-target areas. Protect pollinators by following label directions to minimize spray drift.

#### **PHYSICAL OR CHEMICAL HAZARDS**

Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

#### **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 people, either directly or through drift. Only handlers wearing PPE may be in the treatment area during application. For any requirements specific to your State or Tribe consult the agency responsible for pesticide regulation. This pesticide is toxic to vascular plants and should be used strictly in accordance with the drift and run-off precautions on this label to minimize off-site exposures. All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

#### **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 **48 hours**.

The following PPE is required for early entry into 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

- Coveralls over long sleeved shirt and long pants
- Chemical-resistant gloves made of made of barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride  $\geq 14$  mils, or Viton  $\geq 14$  mils
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear if overhead exposure
- Protective eyewear

Notify workers of pesticide application by warning them orally and by posting warning signs at entrances to treated areas.

#### **PRODUCT INFORMATION**

**A306.01** is a selective herbicide for use in rice, strawberries, peanuts and soybeans for postemergence control of grasses and broadleaf weeds listed in this label.

##### **Crop Tolerance**

Crops listed as use sites are tolerant of **A306.01** at all growth stages specified below. Following treatment with this product, crops may display temporary leaf speckling; however, crops will outgrow the condition within 10 days. Crop vigor and/or new growth will not be affected by applications of **A306.01**.

##### **Cleaning Application Equipment**

Application equipment must be triple rinsed before and after treatment with **A306.01**. Use a strong detergent or commercial spray cleaner following the manufacturer's instructions.

## APPLICATION INSTRUCTIONS

### Irrigated Areas

Applying **A306.01** to weed species under conditions of drought may result in inadequate control. In order to ensure weeds are actively growing, it may be necessary to irrigate target areas prior to applying this product.

### Spray Coverage

For effective control and thorough coverage, ensure this product is applied in a sufficient spray volume. Spray coverage may be prevented or hindered by dense leaf canopies that may shelter smaller target weeds.

Treat with **A306.01** as an aerial banding application or as a broadcast application to actively growing weeds. Specific growth stage(s) and rates are listed in Table 1 for strawberries and rice. For soybeans and peanuts, see the Crop-Specific Information section.

Adequate control may be hindered if treatment with **A306.01** is delayed as the growth stage specified in this label may be exceeded. Applying **A306.01** during early postemergence when weeds are small will allow treatment using the lower rate (dependent upon the weed species present) and will facilitate thorough spray coverage.

Unless the Crop-Specific Information section (below) specifies otherwise, apply **A306.01** at the following rates.

### Aerial Application

Use a minimum of 10 gallons per acre of water when applying this product as an aerial application. A minimum of 5 gallons per acre of water has been effective where sufficient coverage can be achieved.

### Application Equipment

Use spray equipment for applications of **A306.01** at a pressure of up to 40 psi. Applicators must use diaphragm-type nozzles that create cone patterns or fan spray. In order to avoid drift and to ensure best coverage with **A306.01**, refer to the **MANDATORY SPRAY DRIFT MANAGEMENT** section (below).

### Ground (Banding) Applications

Adjust row banding equipment in order to ensure the most thorough coverage of weeds in the row. Direct two nozzles from either side of the crop row toward the target weeds in the center rows. Do not use a single nozzle for treatment over the row. Use a minimum of 15 gallons of water per acre on the band with a minimum band width of 15 inches. For further instructions, refer to the Ground Application Equipment and Methods of Application (Broadcast) section.

### Ground Application Equipment and Methods of Application (Broadcast)

#### Application Equipment

Use hollow cone nozzles to apply **A306.01**, spaced 20 inches apart (maximum). Application may also be made with a standard high-pressure flat fan for pesticide treatment. Do not apply this product with flood, controlled droplet applicator (CDA) or chamber nozzles as inconsistent coverage may result, causing variable weed control. Do not apply **A306.01** with selective application equipment such as wiper applicators or recirculating sprayers.

#### Water Volume

Apply this product in 10-20 gallons per broadcast acre of spray solution for best results. If there is dense weed foliage, increase water volume up to 50 gallons. Use 20-40 gallons of spray solution per broadcast acre when applying **A306.01** to strawberry crops.

#### Spray Pressure

Use spray equipment to apply **A306.01** at a minimum pressure of 40 psi. It is important to measure spray pressure at the boom. Do not measure spray pressure at the pump or in the line. Where there is a low volume of water (i.e., 10 gallons per acre) or where there is dense weed/crop foliage, use a minimum spray pressure of 60 psi for optimal results.

## Cultivation

Do not cultivate treated areas within 5 days prior to treatment with **A306.01**, or 7 days following treatment.

### MANDATORY SPRAY DRIFT MANAGEMENT

#### Aerial Applications:

- When applying aurally to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser spray droplet size (ASABE S572).
- When applying to crops via aerial application equipment, the spray boom must be mounted on the aircraft so as to minimize drift caused by wing tip or rotor blade vortices. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- When applying to crops via aerial application equipment, 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 10 miles per hour at the application site.
- Do not apply during temperature inversions.

#### Ground Boom Applications:

- When using ground application equipment, apply with nozzle height no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

## SPRAY DRIFT ADVISORIES

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

### IMPORTANCE OF DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. **APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS!** See Wind, Temperature and Humidity, and Temperature Inversions sections of this label.

### Controlling Droplet Size – Ground Boom

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. **WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.**
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

### Controlling Droplet Size – Aircraft

- Number of Nozzles - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.



- Nozzle Orientation - Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations. AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.
- Nozzle Type - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.
- Boom Length - Longer booms increase drift potential. Therefore, a shorter boom length is recommended.
- Application Height - Application more than 10 ft. above the canopy increases the potential for spray drift.

#### **BOOM HEIGHT**

Setting the boom at the lowest referenced height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### **WIND**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. AVOID APPLICATIONS DURING GUSTY OR WINDLESS CONDITIONS.

Note: Local terrain can influence wind patterns. Every applicator needs to be familiar with local wind patterns and how they affect spray drift.

#### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

#### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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.

#### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

#### **WEED RESISTANCE MANAGEMENT**

For resistance management, **A306.01** is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to **A306.01** and other Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of **A306.01** or other Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.

- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Atticus, LLC at 984-465-4800.

**Table 1: Application Rates for A306.01 – Peanuts and Soybeans**

Refer to the Crop-Specific Information (below) for growth stage instructions and rates of use when applying this product to rice crops. In Table 1 below, weed height is given for guidance purposes only and is dependent on environmental factors. When using Table 1, place importance on leaf stages when determining the stage(s) of growth of listed weeds. Refer to the Additives section below for more information.

Weeds Species	Rate of A306.01					
	0.5 pint of A306.01 per acre		1.0 pint of A306.01 per acre		1.5 pints of A306.01 per acre	
	Growth Stage <sup>b</sup> (up to)	Max. Height (inches)	Growth Stage <sup>b</sup> (up to)	Max. Height (inches)	Growth Stage <sup>b</sup> (up to)	Maximum Height (inches)
Balloonvine	-	-	-	-	2 leaves	2
Beggarweed, Florida	-	-	-	-	2 leaves	Less than 2 <sup>c</sup>
Buckwheat, Wild	-	-	-	-	2 leaves	2 <sup>c</sup>
Buffalobur	-	-	-	-	2 leaves	2 <sup>c</sup>
Burgherkin	-	-	-	-	2 leaves	2 <sup>c</sup>
Carpetweed	-	-	Multi 3" diameter	Less than 2	Multi 6" diameter	2
Citron (Wild Watermelon)	-	-	-	-	2 leaves	2 <sup>c</sup>
Cocklebur	-	-	-	-	2 leaves	2
Copperleaf, Hophorn beam	-	-	2 leaves	2	4 leaves	4
Copperleaf, Virginia	-	-	-	-	2 leaves	2
Crotalaria, Showy	-	-	6 leaves	6 <sup>c</sup>	6 leaves	6 <sup>c</sup>
Croton, Tropic	-	-	1-2 leaves	Less than 2	2 leaves	2
Croton, Wooly	-	-	1-2 leaves	Less than 2	2 leaves	2
Crownbeard, Golden	-	-	-	-	2 leaves	Less than 2
Eclipta	-	-	-	-	6 leaves	Less than 2
Galinsoga, Hairy	-	-	-	-	4 leaves	Less than 2
Galinsoga, Smallflower	-	-	-	-	4 leaves	Less than 2
Groundcherry, Cutleaf	-	-	-	-	2 leaves	1
Groundcherry, Lanceleaf	-	-	-	-	2 leaves	1
Indigo, Hairy	-	-	-	-	3 leaves	Less than 2
Jimsonweed	-	-	4 leaves	4	6 leaves	6

Weeds Species	Rate of A306.01					
	0.5 pint of A306.01 per acre		1.0 pint of A306.01 per acre		1.5 pints of A306.01 per acre	
	Growth Stage <sup>b</sup> (up to)	Max. Height (inches)	Growth Stage <sup>b</sup> (up to)	Max. Height (inches)	Growth Stage <sup>b</sup> (up to)	Maximum Height (inches)
Ladysthumb	-	-	4 leaves	4	6 leaves	6
Lambsquarters, Common <sup>4</sup>	-	-	-	-	2 leaves	2
Morningglory, Cypressvine	-	-	2 leaves	2	4 leaves	4
Morningglory, Entireleaf	-	-	2 leaves	2	4 leaves	4
Morningglory, Ivyleaf	-	-	2 leaves	2	4 leaves	4
Morningglory, Purple	-	-	2 leaves	2	4 leaves	4
Moonflower, Scarlet	-	-	2 leaves	2	4 leaves	4
Moonflower, Smallflower	-	-	2 leaves	2	4 leaves	4
Moonflower, Small White (pitted)	-	-	2 leaves	2	4 leaves	4
Moonflower, Tall (common)	-	-	2 leaves	2	4 leaves	4
Moonflower, Willowleaf (Palmleaf)	-	-	2 leaves	2	4 leaves	4
Mustard, Wild	2 leaves	2	4 leaves	Less than 4	4 leaves	4
Nightshade, Eastern Black	-	-	2-3 leaves	Less than 2	6 leaves	2
Nightshade, Black	-	-	2-3 leaves	Less than 2	6 leaves	2
Pigweed, Palmer	4 leaves	Less than 2	6 leaves	Less than 4	6 leaves	4
Pigweed, Prostrate	-	-	-	-	4 leaves	4
Pigweed, Redroot	4 leaves	Less than 2	6 leaves	Less than 4	6 leaves	4
Pigweed, Smooth	4 leaves	Less than 2	6 leaves	Less than 4	6 leaves	4
Pigweed, Spiny	-	-	2 leaves	Less than 2	2 leaves	2
Poinsettia, Wild	-	-	-	-	2 leaves	2 <sup>c</sup>
Poorjoe	-	-	-	-	2 leaves	2
Purslane, Common	-	-	-	-	Multi 6" diameter	1
Pusley, Florida	-	-	2 leaves	2	4 leaves	4
Ragweed, Common	-	-	2 leaves	2	4 leaves	3
Ragweed, Giant	-	-	2 leaves	Less than 2	2 leaves	3
Senna, Coffee	-	-	-	-	2 leaves	2 <sup>c</sup>
Sesbania, Hemp	-	-	4 leaves	4 <sup>c</sup>	6 leaves	6 <sup>c</sup>
Smartweed, Pennsylvania	-	-	4 leaves	4	6 leaves	6
Smellmelon	-	-	-	-	2 leaves	2 <sup>c</sup>
Spurge, Prostrate	-	-	-	-	Multi 0.5" diameter	-
Spurge, Spotted	-	-	-	-	Multi 0.5" diameter	-
Starbur, Bristly	-	-	-	-	2 leaves	2 <sup>c</sup>
Waterhemp, Common	4 leaves	Less than 2	6 leaves	Less than 4	6 leaves	4
Waterhemp, Tall	4 leaves	Less than 2	6 leaves	Less than 4	6 leaves	4
<b>Annual Grasses</b>						
Foxtail, Giant <sup>c</sup>	-	-	-	-	2 leaves	1
Foxtail, Green <sup>c</sup>	-	-	-	-	2 leaves	1
Foxtail, Yellow <sup>c</sup>	-	-	-	-	2 leaves	1
Johnsongrass, Seedling <sup>c</sup>	-	-	-	-	2 leaves	1
Panicum, Fall <sup>c</sup>	-	-	-	-	2 leaves	1
Shattercane <sup>c</sup>	-	-	-	-	2 leaves	1
Volunteer Small Grains <sup>c</sup>	-	-	-	-	2 leaves	1

<sup>a</sup>Includes triazine and ALS resistant biotypes.  
<sup>b</sup>When assessing leaf stages as an indication of growth stage, do not count pairs of leaves, count individual leaves separately and do not count cotyledon leaves. Do not treat weeds during the cotyledon stage of growth.  
<sup>c</sup>Refer to the Special Use Directions section below.  
<sup>d</sup>Suppression or partial control.

## ADDITIONAL WEED PROBLEMS IN PEANUTS AND SOYBEANS

### SPECIAL USE DIRECTIONS

Prior to applying **A306.01** with spray equipment, ensure that there is good soil moisture. For an effective application, soil must be moist before and after application.

Use a rate of 1.5 pints of **A306.01** per acre, mixed with 2 pints of spray surfactant per 100 gallons of spray mix (unless otherwise stated) for the following weeds:

#### **Beggarweed, Florida**

Florida Beggarweed is difficult to control because it has a long germination season. Apply **A306.01** when Florida Beggarweed seedlings have no more than 2 expanding young true leaves and seedlings are no higher than 1.5”.

To ensure an optimal treatment of **A306.01** for control of Florida Beggarweed, obtain maximum control of the earliest flush of the weed. Schedule cultivation to ensure that secondary weed flushes and regrowth are controlled.

Applications of **A306.01** will suppress and/or partially control Florida Beggarweed growing in high soil moisture or in high relative humidity.

#### **Buckwheat, Wild**

##### **Buffalobur**

**A306.01** will provide partial control when buffalobur and wild buckwheat seedlings have less than 2 true leaves. Treat with **A306.01** at a rate of 1.5 pints per acre in 30 gallons of water.

#### **Cucurbits: Burgherkin**

##### **Citron (Wild Watermelon)**

##### **Smellmelon**

The cucumber species may be difficult to control with a single application as germination of the plant occurs over a protracted period. For an effective application of **A306.01**, ensure the first treatment is made no later than the 2-leaf stage.

#### **Morningglories**

In order to achieve control of morningglories on a consistent basis, make sequential applications of 1 pint of **A306.01**.

#### **Poinsettia, Wild**

Usually, **A306.01** will kill or severely stunt Wild Poinsettia. Apply this product to before the formation of the third true leaf.

Treatment with **A306.01** may result in a differential in height between surviving poinsettia and soybeans crops which will allow for directed applications. Directed applications may be undertaken in order to achieve greater control.

#### **Sesbania, Hemp**

##### **Crotalaria, Showy**

Sesbania and Crotalaria are sensitive to treatment with this product. Therefore, control can be achieved at almost any plant height.

Apply **A306.01** at the rate of 1 pint per acre after maximum weed emergence but before bloom. Applications of this product made after bloom are usually ineffective. Ensure that target weed species are not shaded by the crop canopy from spray applications. In order to control infestations of Sesbania in the late season, wait until the weed breaks the crop canopy before applying **A306.01**.

#### **Senna, Coffee**

##### **Starbur, Bristly**

Applications of this product are usually ineffective if made after the 2-leaf growth stage. **A306.01** will kill/suppress seedlings if applied to weeds not past the 2 leaf growth stage at the directed rate.

### **Perennial Weeds**

- **Bindweed, Field and Hedge**
- **Milkweed, Climbing and Common**
- **Redvine, Trumpet creeper**

Acifluorfen is not effective in killing rootstocks of these perennial weeds because control of weeds growing from rootstocks underground is difficult. Applications of **A306.01** will burn back above ground plants and suppress regrowth. Apply this product at the rate directed in Table 1 with 2 to 4 pints of spray surfactant per 100 gallons of spray mix.

### **Annual Grasses**

- **Foxtail, Giant, Green and Yellow**
- **Johnsongrass, Seedling**
- **Panicum, Fall**
- **Shattercane**

When used with a pre-emergence herbicide or preplant incorporated herbicide, this product will provide supplemental control of grasses and will kill/suppress annual grasses not past the 2-leaf stage of growth. **A306.01** must not be used as the basic or lone component in an annual grasses control program.

### **Volunteer Small Grains**

- **Barley**
- **Oats**
- **Rye**
- **Wheat**

To suppress or kill weeds, treat emerging volunteer small grains which are at the 1 to 2 leaf growth stage with **A306.01**.

## **ADDITIVES**

For consistent control with **A306.01**, one of the following additives must be combined with this product: ammonium sulfate, nonionic surfactant, urea ammonium nitrate, crop oil concentrate.

UAN (or AMS) should be the additive selected when controlling velvetleaf.

Using additives with **A306.01** may result in leaf burn. Leaf burn is more likely to occur if the relative humidity and the air temperature are high. Crop vigor will remain unaffected and new growth will continue normally. For more details, contact the Atticus, LLC representative for your area.

See Table 2 For Additive Options, and Table 3 for Additive Rates.

### **Nonionic Surfactant**

Use 1 to 2 pints of 80% active nonionic spray surfactant per 100 gallons of water. Use a higher rate of spray surfactant for certain weeds.

### **Ammonium Sulfate (AMS) Fertilizer**

AMS is a granular, dry, nitrogen-source fertilizer. It must not be used unless it has been shown to be effective within the local area. AMS of an inferior grade will not dissolve adequately and may plug spray nozzles. Only use fine-feed grade or spray grade AMS.

Do not apply AMS in less than 10 gallons per acre. Precipitation may cause problems with AMS if it is applied in reduced volumes.

### **Oil Concentrate**

The oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the compatibility test, and
- be successful in local experience.

The composition of suitable additives will vary. Vegetable and petroleum oil concentrates should contain emulsifiers to have good mixing properties. Highly refined vegetable oils have been shown to be more successful as additives than those that are unrefined. For more information, see the Compatibility Test for Mix Components section.

Use of certain oil concentrate products may result in excessive leaf burn. Prior to purchasing an oil concentrate, contact your local area additive supplier regarding the success and suitability of the product.

**UAN: Urea Ammonium Nitrate**

UAN may be added to this product for increased control of weeds and instead of other spray additives in order to improve control of target weeds. UAN is known as either 28%, 30%, or 32% nitrogen solution. Do not use brass or aluminum nozzles to apply this product combined with UAN because most UAN solutions are mildly corrosive to mild steel, brass and galvanized metals. Thoroughly rinse application equipment immediately after use with water.

**Effects of Temperature and Relative Humidity**

To ensure that the use of adjuvants is effective, use the following equation and use rate table (Table 2):

If temperature (degrees Fahrenheit) plus relative humidity (expressed as a percentage) exceeds 150, use the lower rates for adjuvants in Table 2.  
 Example: Temperature 75°F + relative humidity 90% = 165: use the lower use rate for adjuvant in Table 2

**Table 2 – Tank Mix Use Rates for Additives and Additive Options**

Option	Additive(s)	Use Rate
A	AMS	2.5 pounds per acre
B	UAN	4-8 pints per acre
C	Nonionic Surfactant	1-2 pints per 100 gallons
D	Crop Oil Concentrate	1-2 pints per acre
E	AMS and Nonionic Surfactant	AMS (1-2 pounds per acre) Nonionic surfactant (1-2 pints per 100 gallons)
F	UAN and Nonionic Surfactant	UAN (2-4 pints per acre) Nonionic surfactant (1-2 pints per 100 gallons)
G	AMS and Crop Oil Concentrate	AMS (1-2 pounds per acre) Crop Oil Concentrate (1 pint per acre)
H	UAN and Crop Oil Concentrate	UAN (2-4 pints per acre) Crop Oil Concentrate (1 pint per acre)

**Table 3 – Additive Rate Per Acre**

Additive	Ground Application Rate	Air Application Rate
Nonionic Surfactant	1-2 pints per 100 gallons	1-2 pints per 100 gallons
AMS	2.5 pounds per acre	2.5 pounds per acre
Oil Concentrate	1-2 pints per acre	1-2 pints per acre
UAN Solution	4-8 pints per acre	4 pints per acre

## MIXING INFORMATION

Physical incompatibility, reduced weed control, or crop injury may result from mixing **A306.01** with other pesticides (fungicides, herbicides, insecticides or miticides), additives or fertilizers. Atticus, LLC does not recommend using tank mixes other than those listed on the **A306.01** label.

Refer to local area agricultural authorities who may recommend tank mixtures not specified on Atticus, LLC labeling. The use of tank mixtures whose effectiveness has not been tested may result in crop injury, reduced weed control or physical incompatibility.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, limitations, and directions for use on all product labels involved in the tank mixture. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. This product may be tank mixed with the following active ingredients:

• quinalofop p-ethyl	• fluazifop-p-butyl + fenoxaprop-p-ethyl	• imazamox ammonium
• sodium bentazon	• Glyphosate	• chlorimuron + thifensulfuron
• imazapic-ammonium	• alachlor	• flumiclorac pentyl ester
• chlorimuron ethyl	• thifensulfuron methyl	• imazaquin
• metolachlor	• sethoxydim	• clethodim
• quinclorac	• propanil	• thifensulfuron methyl + chlorimuron ethyl
• cloransulam-methyl	• imazethapyr ammonium	• 2,4-DB
• dimethenamid	• fluazifop-p-butyl	• Dicamba

For further instructions, see the Crop-Specific information section.

### Compatibility Test for Tank Mix Components

Before mixing components, always perform a compatibility jar test. For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source temperature.

Add components in the sequence indicated in **Mixing Order** using teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre. Always cap the jar and invert 10 cycles between component additions.

When the components have all been added to the jar, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, do not mix the ingredients in the same tank.

### Mixing Order

1. **Water.** Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
2. **Agitation.** Maintain constant agitation throughout mixing and application.
3. **Products in PVA Bags.** Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4. **Water dispersible products** (such as dry flowables, wettable powders, suspension concentrates, or suspo-emulsions). If an inductor is used, rinse it thoroughly after the component has been added.
5. **Water-soluble products** (such as **A306.01**). If an inductor is used, rinse it thoroughly after the component has been added.
6. **Emulsifiable concentrates** (such as oil concentrate when applicable). If an inductor is used, rinse it thoroughly after the component has been added.

7. **Water-soluble additives** (such as AMS or UAN when applicable). If an inductor is used, rinse it thoroughly after the component has been added.
8. **Remaining quantity of water.** Maintain constant agitation during application.

### PRECAUTIONS

- Weeds or crops that are under stress (e.g. from flooding, drought, hail damage, widely fluctuating temperatures, herbicide injury or mechanical injury) must not be treated with this product or unsatisfactory control of weeds may result. Do not apply **A306.01** to injured crops. Crop injury may be caused by a previous herbicide application (e.g. phytotoxicity and plant stunting). Treating injured crops with **A306.01** may cause existing crop damage to be enhanced or prolonged.

### RESTRICTIONS

- Leave at least 15 days between treatments with this product.
- Plants treated with this product must not be used for feed or forage.
- **A306.01** must not be applied through irrigation systems of any type.
- Do not allow livestock to graze treated crops. Do not allow treated areas to be used to harvest forage, hay or feed for livestock.
- In the event of crop failure, do not replant small grains in a treated field for 40 days following the application of **A306.01** to that field. The replanting of strawberries, peanuts and soybeans may take place immediately after a crop failure. All other species of rotational crops must not be replanted for 100 days following an application with **A306.01**.

#### Soybeans and peanuts

- Do not apply more than a total of 2 pints per acre of **A306.01** per season (0.5 lb. ai per acre per season).
- Do not apply more than 1.5 pints per acre of **A306.01** per application (0.375 lb. ai per acre per application).

#### Strawberries

- Do not apply more than a total of 3 pints per acre of **A306.01** per season (0.75 lb. ai per acre per season).
- Do not apply more than 1.5 pints per acre of **A306.01** per application (0.375 lb. ai per acre per application).
- Do not apply by air to Strawberries

#### Rice

- Do not apply more than a total of 1 pint per acre of **A306.01** per season (0.25 lb. ai per acre per season).
- Do not apply more than 1 pint per acre of **A306.01** per application (0.25 lb. ai per acre per application).

### LIMITATIONS

- The effectiveness of an application of this product may be reduced if rainfall or overhead irrigation happens within 4 hours of treatment.

**Table 4 – Summary of Crop-Specific Restrictions**

Crop	Pre-Harvest Interval (PHI): Minimum Time Between Application to Harvest (in days)	Maximum Rate Per Season (Per Acre in pints)	Maximum Rate Per Application (Per Acre in pints)
Peanuts	75	2	1.5 pints
Rice	50	1	1 pint



Soybeans	50	2	1.5 pints
Strawberries	60	3	1.5 pints

## CROP SPECIFIC INFORMATION

### PEANUTS

Treat peanuts with a preemergence application of **A306.01** at the initiation of soil cracking but before the crop emerges from the soil at the rates directed in Table 1. **A306.01** may also be used to treat peanuts as a postemergence application.

#### Tank Mixes

See Table 2 for additive options. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. For the treatment of peanuts, **A306.01** may be tank mixed with the following products:

Tank Mix Partner	Additive(s) – refer to Table 2
sodium bentazon	Option C or Option D
imazapic-ammonium	Option C
metolachlor	Option C
dimethenamid	Option C
alachlor	Option C
sethoxydim	Option C
2,4-DB <sup>1</sup>	Option C or Option D

<sup>1</sup> Do not apply a mixture of 2,4-DB and **A306.01** after the pod-filling stage has commenced.

#### RESTRICTIONS (PEANUTS):

- Do not apply more than a total of 2 pints per acre of **A306.01** per season (0.5 lb. ai per acre per season).
- Do not apply more than 1.5 pints per acre of **A306.01** per application (0.375 lb. ai per acre per application)

### RICE

Treat rice with **A306.01** from the late tillering stage until the early boot stage (i.e. usually during June or July). Rice must be past the 3-leaf stage before making an application of **A306.01**. When targeting hemp sesbania, apply **A306.01** once growth of the target weeds extends above the rice crop. Apply **A306.01** to hemp sesbania plants before the flowering stage at the rate of 0.5 pint per acre. Make a second application to control later germinating sesbania at 0.5 pint per acre. Use a spray adjuvant with **A306.01** for effective and uniform control of hemp sesbania. Add 1 to 2 pints of an 80% active nonionic spray surfactant per 100 gallons of water.

#### Tank Mixes

See Table 2 for additive options. **A306.01** may be tank mixed with the following products for the treatment of rice. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Tank Mix Partner	Additive (refer to Table 2)
sodium bentazon	Option C
quinclorac	Option C
propanil	Option C

#### RESTRICTIONS (RICE):

- Maximum application rate: 1 pint per acre of **A306.01** per season: only to be used to control hemp sesbania.
- Do not apply more than 1 pint per acre of **A306.01** per application (0.25 lb. ai per acre per application).

- Do not apply **A306.01** to rice more than twice per season.
- Once rice has reached the boot stage, do not treat with **A306.01**.
- Do not use water from treated rice fields for crop irrigation except those crops labeled for use with **A306.01**.
- Do not harvest crayfish from rice areas treated with **A306.01**.

### SOYBEANS

Refer to Application Instructions (above) and Table 1. Make a spray application with **A306.01** to actively growing small weeds. For subsequent weed flushes, or to control weeds that escaped the first treatment, make a sequential application of this product as follows: apply 1 pint of this product following an initial application of 1 pint. Treatment(s) with **A306.01** must be made prior to target weeds reaching the maximum size specified in Table 1.

### Tank Mixes

See Table 2 for additive options. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. For the treatment of Soybean, **A306.01** may be tank mixed with the following products:

Tank Mix Partner	Additive (refer to Table 2)
sodium bentazon	Option C or Option D
chlorimuron ethyl	Option C
cloransulam-methyl	Option E
dimethenamid	Option C
fluazifop-p-butyl <sup>a</sup>	Option C
fluazifop-p-butyl + fenoxaprop-p-ethyl <sup>a</sup>	Option C
Glyphosate <sup>b</sup>	8.5 lbs. to 17 lbs. of AMS per 100 gallons
quizalofop-p-ethyl <sup>a</sup>	Option C
thifensulfuron	Option C or Option E
sethoxydim <sup>a</sup>	Option D
imazethapyr ammonium	Option E
imazamox ammonium	Option E
flumiclorac pentyl ester	Option D
imazaquin	Option C
clethodim	Option D
thifensulfuron methyl + chlorimuron ethyl <sup>c</sup>	Option G or Option H
2,4-DB	Option C

<sup>a</sup> If utilizing this mixture as part of a weed control program, do the following:

- If an area is treated with the tank mix partner first, wait at least 24 hours before applying **A306.01** to the same area.
- If an area is treated with **A306.01** first, wait 7 days before applying the tank mix partner to the same area.

<sup>b</sup> Only apply this product in tank mix with glyphosate containing herbicides to glyphosate tolerant soybeans or severe crop injury or plant death will occur.

<sup>c</sup> Application to soybean crops that have not been designated STS will cause severe crop injury and/or loss of yield. Do not add an oil concentrate when applying to soybean not designated STS.

### Burndown Treatment (Prior to Soybean Planting)

To control present weeds (per Table 1), **A306.01** can be applied on its own before crop planting. Burndown prior to planting can use the addition of a spray additive. However, this pre-planting application is not a replacement for a season long weed control program.

### Burndown Treatment – Tank Mixes

See Table 2 for additive options. For the pre-planting burndown, **A306.01** may be mixed with the following products:

Tank Mix Partner	Additive (refer to Table 2)
sethoxydim	Option D, Option G or Option H
2,4-D LVE	Option D
Dicamba	
Glyphosate <sup>a</sup>	
Clethodim	

<sup>a</sup> Only apply this product in tank mix with glyphosate containing herbicides to glyphosate tolerant soybeans or severe crop injury or plant death will occur.

### Burndown Treatment (Post harvest/Fallow/Crop Stubble/Set-aside) – plantback only to soybeans

To control present weeds (per Table 1), **A306.01** can be applied on its own after harvest in the fall, spring or summer during the fallow period or to crop stubble/set-aside acres. Burndown after harvest can use the addition of a spray additive. However, this post-harvest application is not a replacement for a season long weed control program. Apply to acres that will only be planted back to soybeans. **Tank Mixes:** See Table 2 for additive options. For post-harvest burndown, **A306.01** may be mixed with the tank-mix partners listed in the table under Burndown Treatment – Tank Mixes.

### Tank Mixtures for Glyphosate Tolerant Soybeans

**A306.01** can be applied postemergent in tank mixtures with glyphosate containing herbicides to control glyphosate resistant weeds. Target weeds must be listed on this label. Refer to Table 1 for a list of weeds controlled, application rates and application timing. If using spray additives, follow the directions on the glyphosate tank mix partner product label. Information on this label regarding weed growth stages and application rates must be followed for effective broadleaf weed control. Only apply this product in tank mix with glyphosate containing herbicides to glyphosate tolerant soybeans or severe crop injury or plant death will occur. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

### RESTRICTIONS (SOYBEANS):

- Do not apply more than a total of 2 pints per acre of **A306.01** per season (0.5 lb. ai per acre per season).
- Do not apply more than 1.5 pints per acre of **A306.01** per application (0.375 lb. ai per acre per application).

### STRAWBERRIES

To control listed weeds, use ground equipment to apply this product up to a maximum of 1.5 pints of **A306.01** per acre per season (0.375 lb. ai per acre per season). Treat with **A306.01** using a broadcast application of this product or a tank mix in 20-40 gallons of water per acre. When making an application by band strip application, reduce rates proportionally.

### Annual Strawberries grown on plastic mulch on plant beds:

Apply this product before transplanting and before laying the mulch but after final land preparation. Use one banded application. For the best treatment, reduce soil disturbance to a minimum during planting and during the laying of plastic.

When treating between rows of mulch, apply **A306.01** in between mulched beds to the center of the strawberry row as a direct-shielded application. Do not allow **A306.01** to contact strawberry crops.

**Perennial Strawberries:**

After the last harvest or following bed renovation, make an initial application of **A306.01**. In late fall to early spring, when plants are dormant, make a second application. The second application must be made a minimum of 120 days after the strawberry harvest.

When treating row middles with **A306.01**, apply the product up to the maximum rate of 1.5 pints per acre per season of **A306.01** (0.375 lb. ai per acre per season).

**RESTRICTIONS (STRAWBERRIES):**

- Do not apply more than 3 pints **A306.01** per acre per season (0.75 lb. ai per acre per season).
- Do not apply more than 1.5 pints per acre of **A306.01** per application (0.375 lb. ai per acre per application)
- Do not apply by air to strawberries.

<b>Broadleaves Controlled by A306.01</b>
Artichoke, Jerusalem ( <i>Helianthus tuberosus</i> )
Balloonvine ( <i>Cardiospermum halicacabum</i> )
Beggarweed, Florida ( <i>Desmodium tortuosum</i> )
Beggarticks ( <i>Bidens frondosa</i> )
Bindweed, Field ( <i>Convolvulus arvensis</i> )
Bindweed, Hedge ( <i>Convolvulus sepium</i> )
Buckwheat, Wild ( <i>Polygonum convolvulus</i> )
Buffalobur ( <i>Solanum rostratum</i> )
Burgherkin ( <i>Cucumis anguria</i> )
Carpetweed ( <i>Mollugo verticillata</i> )
Citron (Wild Watermelon) ( <i>Citrullus vulgaris</i> )
Cocklebur, Common ( <i>Xanthium pensylvanicum</i> )
Cocklebur, Heartleaf ( <i>Xanthium strumarium</i> )
Copperleaf, Hophornbeam ( <i>Acalypha ostryaefolia</i> )
Copperleaf, Virginia ( <i>Acalypha virginica</i> )
Crotalaria, Showy ( <i>Crotalaria spectabilis</i> )
Croton, Tropic ( <i>Croton glandulosus</i> )
Croton, Woolly ( <i>Croton capitatus</i> )
Crownbeard, Golden ( <i>Verbesina encelioides</i> )
Cucumber, Wild Spiny ( <i>Cucumis dipsaceus</i> )
Eclipta ( <i>Eclipta alba</i> )
Galinsoga, Hairy ( <i>Galinsoga ciliata</i> )
Galinsoga, Smallflower ( <i>Galinsoga parviflora</i> )
Groundcherry, Cutleaf ( <i>Physalis angulata</i> )
Groundcherry, Lanceleaf ( <i>Physalis lanceifolia</i> )
Indigo, Hairy ( <i>Indigofera hirsute</i> )
Jimsonweed ( <i>Datura stramonium</i> )
Ladysthumb ( <i>Polygonum persicaria</i> )
Lambsquarters, Common ( <i>Chenopodium album</i> )
Milkweed, Climbing ( <i>Sarcostemma cyanchoides</i> )
Milkweed, Common ( <i>Asclepias syriaca</i> )
Morningglory, Cypressvine ( <i>Ipomoea quamoclit</i> )
Morningglory, Entireleaf ( <i>Ipomoea hederacea</i> var. <i>integruscula</i> )
Morningglory, Ivyleaf ( <i>Ipomoea hederacea</i> var. <i>hederacea</i> )
Morningglory, Purple Moonflower ( <i>Ipomoea muricata</i> )
Morningglory, Scarlet ( <i>Ipomoea coccinea</i> )

<b>Broadleaves Controlled by A306.01</b>
Morningglory, Smallflower ( <i>Jacquemontia tamnifolia</i> )
Morningglory, Small White (pitted) ( <i>Ipomoea lacunosa</i> )
Morningglory, Tall, Common ( <i>Ipomoea purpurea</i> )
Morningglory, Willowleaf (Palmleaf) ( <i>Ipomoea wrightii</i> )
Mustard, Wild ( <i>Brassica kaber</i> )
Nightshade, Black ( <i>Solanum nigrum</i> )
Nightshade, Eastern Black ( <i>Solanum ptycanthum</i> )
Pigweed, Palmer ( <i>Amaranthus palmeri</i> )
Pigweed, Prostrate ( <i>Amaranthus blitoides</i> )
Pigweed, Redroot ( <i>Amaranthus retroflexus</i> )
Pigweed, Smooth ( <i>Amaranthus hybridus</i> )
Pigweed, Spiny ( <i>Amaranthus spinosus</i> )
Poinsettia, Wild ( <i>Euphorbia heterophylla</i> )
Poorjoe ( <i>Diodia teres</i> )
Purslane, Common ( <i>Portulaca oleracea</i> )
Pusley, Florida ( <i>Richardia scabra</i> )
Ragweed, Common ( <i>Ambrosia artemisifolia</i> )
Ragweed, Giant ( <i>Ambrosia trifida</i> )
Redvine ( <i>Brunnichia cirrhosa</i> )
Senna, Coffee ( <i>Cassia occidentalis</i> )
Sesbania, Hemp ( <i>Sesbania exaltata</i> )
Smartweed, Pennsylvania ( <i>Polygonum pensylvanicum</i> )
Smellmelon ( <i>Cucumis melo</i> )
Spurge, Prostrate ( <i>Euphorbia supine</i> )
Spurge, Spotted ( <i>Euphorbia maculata</i> )
Starbur, Bristly ( <i>Acanthospermum hispidum</i> )
Teaweed (See Sida, Prickly) ( <i>Sida spinosa</i> )
Trumpetcreeper ( <i>Campsis radicans</i> )
Velvetleaf ( <i>Abutilon theophrasti</i> )
Waterhemp, Common ( <i>Amaranthus rudis</i> )
Waterhemp, Tall ( <i>Amaranthus tuberculatus</i> )

<b>Grasses Controlled by A306.01</b>
Foxtail, Giant ( <i>Setaria faberi</i> )
Foxtail, Green ( <i>Setaria viridis</i> )
Foxtail, Yellow ( <i>Setaria lutescens</i> )
Johnsongrass, Seedling ( <i>Sorghum halepense</i> )
Johnsongrass, Rhizome ( <i>Sorghum halepense</i> )
Panicum, Fall ( <i>Panicum dichotomiflorum</i> )
Panicum, Texas ( <i>Panicum texanum</i> )
Shattercane ( <i>Sorghum bicolor</i> )
Volunteer Barley ( <i>Hordeum vulgare</i> )
Volunteer Barley, Corn ( <i>Zea mays</i> )
Volunteer Barley, Oats ( <i>Avena sativa</i> )
Volunteer Barley, Rye ( <i>Secale cereale</i> )
Volunteer Barley, Wheat ( <i>Triticum aestivum</i> )

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Do not store below 32°F.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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:

**For plastic containers ≤ 5 gallons:** Nonrefillable Container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or 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 other procedures approved by state and local authorities.

**For plastic containers > 5 gallons:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## LIMITATION OF WARRANTY AND LIABILITY

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, to the extent consistent with applicable law, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

[A306.01] is a trademark of Atticus, LLC

Ultra Blazer® is a registered trademark of United Phosphorus Inc.

Basagran, Cadre, Facet, Frontier, Poast, Poast Plus, Pursuit, Raptor and Scepter are registered trademarks of BASF AG.

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**{LANGUAGE ON LABEL AFFIXED TO CONTAINER}**

ACIFLUORFEN	GROUP	14	HERBICIDE
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**A306.01™**

[Alternate Brand Name: Derecho]

<b>ACTIVE INGREDIENT:</b>	(% by weight)
Sodium salt of acifluorfen*.....	20.1%
<b>OTHER INGREDIENTS.....</b>	<b>79.9%</b>
<b>TOTAL .....</b>	<b>100.0%</b>

\*Equivalent to 2 pounds of active ingredient per gallon.

**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	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center (1-800-222-1222) or doctor, or going for treatment. You may also contact SafetyCall at <b>1-844-685-9173</b> for emergency medical treatment	
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage. ANTIDOTE – No specific antidote is available. Treat symptomatically.	

**For Chemical Emergency:**

**Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night**  
**Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin, or inhaled. Do not get in eyes or on clothing. Avoid contact with skin and breathing vapor or spray mist.

**ENVIRONMENTAL HAZARDS:** 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 washwaters. Do not apply when weather conditions favor drift from target area. **GROUND WATER ADVISORY:** Sodium acifluorfen is known to leach through soil to groundwater under certain conditions as a result of label use.

Use of this chemical in areas where soils are permeable (sandy/loamy soils) and water tables are shallow could result in contamination of groundwater. Use of irrigated water in such areas will increase the likelihood of groundwater contamination.

**PHYSICAL OR CHEMICAL HAZARDS** Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Do not store below 32°F.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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:**

**For plastic containers ≤ 5 gallons:** Nonrefillable Container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or 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 other procedures approved by state and local authorities .

**For plastic containers > 5 gallons:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

See inside label booklet for additional Precautionary Statements and Directions for Use.

Manufactured for:  
**Atticus, LLC**  
 5000 CentreGreen Way, Suite 100  
 Cary, NC 27513

**EPA Reg. No. 91234-108**  
**EPA Est. No. \_\_\_\_\_**  
**NET WEIGHT: \_\_\_\_\_**

Label contains both Sublabel A: for use on peanuts, rice, soybeans and strawberries and Sublabel B: for use on soybeans.

[Note to reviewer: [Text] in brackets denotes optional or explanatory language

[Note to reviewer: {Text} in braces denotes where in the final label text will appear

**{BOOKLET FRONT PANEL LANGUAGE}**

Sublabel B: For use on soybeans

ACIFLUORFEN	GROUP	<b>14</b>	HERBICIDE
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**A306.01<sup>[TM]</sup>**

[Alternate Brand Name: Derecho]

[For use on soybeans]

<b>ACTIVE INGREDIENT:</b>	<b>(% by weight)</b>
Sodium salt of acifluorfen* .....	20.1%
<b>OTHER INGREDIENTS:</b> .....	<u>79.9%</u>
<b>TOTAL:</b> .....	100.0%

\*Equivalent to 2 pounds of active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER/PELIGRO**

**Si usted no entienda 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.)**

See inside label booklet for additional Precautionary Statements and Directions for Use.

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center (1-800-222-1222) or doctor, or going for treatment. You may also contact SafetyCall at <b>1-844-685-9173</b> for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage. <b>ANTIDOTE</b> – No specific antidote is available. Treat symptomatically.	

**For Chemical Emergency:**

**Spill, Leak, Fire, Exposure, or Accident,**

**Call CHEMTREC Day or Night**

**Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**



EPA Est. No.: \_\_\_\_\_

NET CONTENTS: \_\_\_\_\_

**20190313a**

Manufactured for:  
**Atticus, LLC**  
5000 CentreGreen Way, Suite 100  
Cary, NC 27513

## {LANGUAGE INSIDE BOOKLET}

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin and breathing vapor or spray mist.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Mixers, Loaders and Applicators must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves made of barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride  $\geq 14$  mils, or Viton  $\geq 14$  mils.
- Goggles or face shield

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use 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 cockpits in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d-f)), 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

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 washwaters. Do not apply when weather conditions favor drift from target area.

#### GROUND WATER ADVISORY

Sodium acifluorfen is known to leach through soil to groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable (sandy/loamy soils) and water tables are shallow could result in contamination of groundwater. Use of irrigated water in such areas will increase the likelihood of groundwater contamination.

**Fish Advisory Statement:** This product may be hazardous to aquatic organisms, particularly in clear, shallow water bodies that are adjacent to treated areas. Therefore, transport to water by runoff or spray drift of this product in areas where surface water is present, or intertidal areas below the mean high water mark should be avoided. Do not contaminate water when disposing of equipment wash water or rinsate.

**Pollinator Advisory Statement:** This product may adversely impact the forage and habitat of local pollinators, including the monarch butterfly (and its larvae), birds, or bats if reaches non-target areas. Protect pollinators by following label directions to minimize spray drift.

### PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

### 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 people, either directly or through drift. Only handlers wearing PPE may be in the treatment area during application. For any requirements specific to your State or Tribe consult the agency responsible for pesticide regulation. This pesticide is toxic to vascular plants and should be used strictly in accordance with the drift and run-off precautions on this label to minimize off-site exposures. All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

#### 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 **48 hours**.

The following PPE is required for early entry into 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

- Coveralls over long sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride  $\geq 14$  mils, or Viton  $\geq 14$  mils
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear if overhead exposure
- Protective eyewear

Notify workers of pesticide application by warning them orally and by posting warning signs at entrances to treated areas.

### PRODUCT INFORMATION

**A306.01** is a selective herbicide for use in soybeans for postemergence and burndown control of grasses and broadleaf weeds listed in this label. **A306.01** is specifically formulated for burndown control of problem weeds including glyphosate and ALS resistant weeds, for example pigweed. **A306.01** can also be tank mixed with other herbicides used in burndown treatments to broaden the range of weed control. Please refer to the tank mix treatment chart found in this label under the Burndown Applications segment for more information.

#### Crop Tolerance

Crops listed as use sites are tolerant of **A306.01** at all growth stages specified below. Following treatment with this product, crops may display temporary leaf speckling; however, crops will outgrow the condition within 10 days. Crop vigor and/or new growth will not be affected by applications of **A306.01**.

#### Cleaning Application Equipment

Application equipment must be triple rinsed before and after treatment with **A306.01**. Use a strong detergent or commercial spray cleaner following the manufacturer's instructions.

### APPLICATION INSTRUCTIONS

#### Irrigated Areas

Applying **A306.01** to weed species under conditions of drought may result in inadequate control. In order to ensure weeds are actively growing, it may be necessary to irrigate target areas prior to applying this product.

### **Spray Coverage**

For effective control and thorough coverage, ensure this product is applied in a sufficient spray volume. Spray coverage may be prevented or hindered by dense leaf canopies that may shelter smaller target weeds.

Treat with **A306.01** as an aerial banding application or as a broadcast application to actively growing weeds. Specific growth stage(s) and rates are listed in the Crop-Specific Information section for soybeans.

Adequate control may be hindered if treatment with **A306.01** is delayed as the growth stage specified in this label may be exceeded. Applying **A306.01** in burndown or during early postemergence when weeds are small will allow treatment using the lower rate (dependent upon the weed species present) and will facilitate thorough spray coverage.

Unless the Crop-Specific Information section (below) specifies otherwise, apply **A306.01** at the following rates.

### **Aerial Application**

Use a minimum of 10 gallons per acre of water when applying this product as an aerial application. A minimum of 5 gallons per acre of water has been effective where sufficient coverage can be achieved.

### **Application Equipment**

Use spray equipment for applications of **A306.01** at a pressure of up to 40 psi. Applicators must use diaphragm-type nozzles that create cone patterns or fan spray. In order to avoid drift and to ensure best coverage with **A306.01**, refer to the **MANDATORY SPRAY DRIFT MANAGEMENT** section (below).

### **Ground (Banding) Applications**

Adjust row banding equipment in order to ensure the most thorough coverage of weeds in the row. Direct two nozzles from either side of the crop row toward the target weeds in the center rows. Do not use a single nozzle for treatment over the row. Use a minimum of 15 gallons of water per acre on the band with a minimum band width of 15 inches. For further instructions, refer to the Ground Application Equipment and Methods of Application (Broadcast) section.

### **Ground Application Equipment and Methods of Application (Broadcast)**

#### **Application Equipment**

Use hollow cone nozzles to apply **A306.01**, spaced 20 inches apart (maximum). Application may also be made with a standard high-pressure flat fan for pesticide treatment. Do not apply this product with flood, controlled droplet applicator (CDA) or chamber nozzles as inconsistent coverage may result, causing variable weed control. Do not apply **A306.01** with selective application equipment such as wiper applicators or recirculating sprayers.

#### **Water Volume**

Apply this product in 10-20 gallons per broadcast acre of spray solution for best results. If there is dense weed foliage, increase water volume up to 50 gallons.

#### **Spray Pressure**

Use spray equipment to apply **A306.01** at a minimum pressure of 40 psi. It is important to measure spray pressure at the boom. Do not measure spray pressure at the pump or in the line. Where there a low volume of water (i.e., 10 gallons per acre) or where there is dense weed/crop foliage, use a minimum spray pressure of 60 psi for optimal results.

#### **Cultivation**

Do not cultivate treated areas within 5 days prior to treatment with **A306.01**, or 7 days following treatment.

## MANDATORY SPRAY DRIFT MANAGEMENT

### Aerial Applications:

- When applying aurally to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- When applying to crops via aerial application equipment, the spray boom must be mounted on the aircraft so as to minimize drift caused by wing tip or rotor blade vortices. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- When applying to crops via aerial application equipment, 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 10 miles per hour at the application site.
- Do not apply during temperature inversions.

### Ground Boom Applications:

- When using ground application equipment, apply with nozzle height no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

## SPRAY DRIFT ADVISORIES

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

### IMPORTANCE OF DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL, BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See Wind, Temperature and Humidity, and Temperature Inversions sections of this label.

### Controlling Droplet Size – Ground Boom

- Volume - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- Nozzle Type - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

### Controlling Droplet Size – Aircraft

- Number of Nozzles - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- Nozzle Orientation - Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations. AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.
- Nozzle Type - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.

- Boom Length - Longer booms increase drift potential. Therefore, a shorter boom length is recommended.
- Application Height - Application more than 10 ft. above the canopy increases the potential for spray drift.

### **BOOM HEIGHT**

Setting the boom at the lowest referenced height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **WIND**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. AVOID APPLICATIONS DURING GUSTY OR WINDLESS CONDITIONS.

Note: Local terrain can influence wind patterns. Every applicator needs to be familiar with local wind patterns and how they affect spray drift.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

### **WEED RESISTANCE MANAGEMENT**

For resistance management, **A306.01** is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to **A306.01** and other Group 14 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of **A306.01** or other Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.

- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Atticus, LLC at 984-465-4800.

**Table 1: Application Rates for A306.01 – Soybeans**

In Table 1 below, weed height is given for guidance purposes only and is dependent on environmental factors. When using Table 1, place importance on leaf stages when determining the stage(s) of growth of listed weeds. Refer to the Additives section below for more information.

Weeds Species	Rate of A306.01					
	0.5 pint of A306.01 per acre		1.0 pint of A306.01 per acre		1.5 pints of A306.01 per acre	
	Growth Stage <sup>b</sup> (up to)	Max. Height (inches)	Growth Stage <sup>b</sup> (up to)	Max. Height (inches)	Growth Stage <sup>b</sup> (up to)	Maximum Height (inches)
Balloonvine	-	-	-	-	2 leaves	2
Beggarweed, Florida	-	-	-	-	2 leaves	Less than 2 <sup>c</sup>
Buckwheat, Wild	-	-	-	-	2 leaves	2 <sup>c</sup>
Buffalobur	-	-	-	-	2 leaves	2 <sup>c</sup>
Burgherkin	-	-	-	-	2 leaves	2 <sup>c</sup>
Carpetweed	-	-	Multi 3" diameter	Less than 2	Multi 6" diameter	2
Citron (Wild Watermelon)	-	-	-	-	2 leaves	2 <sup>c</sup>
Cocklebur	-	-	-	-	2 leaves	2
Copperleaf, Hophorn beam	-	-	2 leaves	2	4 leaves	4
Copperleaf, Virginia	-	-	-	-	2 leaves	2
Crotalaria, Showy	-	-	6 leaves	6 <sup>c</sup>	6 leaves	6 <sup>c</sup>
Croton, Tropic	-	-	1-2 leaves	Less than 2	2 leaves	2
Croton, Woolly	-	-	1-2 leaves	Less than 2	2 leaves	2
Crownbeard, Golden	-	-	-	-	2 leaves	Less than 2
Eclipta	-	-	-	-	6 leaves	Less than 2
Galinsoga, Hairy	-	-	-	-	4 leaves	Less than 2
Galinsoga, Smallflower	-	-	-	-	4 leaves	Less than 2
Groundcherry, Cutleaf	-	-	-	-	2 leaves	1
Groundcherry, Lanceleaf	-	-	-	-	2 leaves	1
Indigo, Hairy	-	-	-	-	3 leaves	Less than 2
Jimsonweed	-	-	4 leaves	4	6 leaves	6
Ladysthumb	-	-	4 leaves	4	6 leaves	6
Lambsquarters, Common <sup>4</sup>	-	-	-	-	2 leaves	2
Morningglory, Cypressvine	-	-	2 leaves	2	4 leaves	4
Morningglory, Entireleaf	-	-	2 leaves	2	4 leaves	4
Morningglory, Ivyleaf	-	-	2 leaves	2	4 leaves	4
Morningglory, Purple	-	-	2 leaves	2	4 leaves	4
Moonflower, Scarlet	-	-	2 leaves	2	4 leaves	4
Moonflower, Smallflower	-	-	2 leaves	2	4 leaves	4

Weeds Species	Rate of A306.01					
	0.5 pint of A306.01 per acre		1.0 pint of A306.01 per acre		1.5 pints of A306.01 per acre	
	Growth Stage <sup>b</sup> (up to)	Max. Height (inches)	Growth Stage <sup>b</sup> (up to)	Max. Height (inches)	Growth Stage <sup>b</sup> (up to)	Maximum Height (inches)
Moonflower, Small White (pitted)	-	-	2 leaves	2	4 leaves	4
Moonflower, Tall (common)	-	-	2 leaves	2	4 leaves	4
Moonflower, Willowleaf (Palmleaf)	-	-	2 leaves	2	4 leaves	4
Mustard, Wild	2 leaves	2	4 leaves	Less than 4	4 leaves	4
Nightshade, Eastern Black	-	-	2-3 leaves	Less than 2	6 leaves	2
Nightshade, Black	-	-	2-3 leaves	Less than 2	6 leaves	2
Pigweed, Palmer	4 leaves	Less than 2	6 leaves	Less than 4	6 leaves	4
Pigweed, Prostrate	-	-	-	-	4 leaves	4
Pigweed, Redroot	4 leaves	Less than 2	6 leaves	Less than 4	6 leaves	4
Pigweed, Smooth	4 leaves	Less than 2	6 leaves	Less than 4	6 leaves	4
Pigweed, Spiny	-	-	2 leaves	Less than 2	2 leaves	2
Poinsettia, Wild	-	-	-	-	2 leaves	2 <sup>c</sup>
Poorjoe	-	-	-	-	2 leaves	2
Purslane, Common	-	-	-	-	Multi 6" diameter	1
Pusley, Florida	-	-	2 leaves	2	4 leaves	4
Ragweed, Common	-	-	2 leaves	2	4 leaves	3
Ragweed, Giant	-	-	2 leaves	Less than 2	2 leaves	3
Senna, Coffee	-	-	-	-	2 leaves	2 <sup>c</sup>
Sesbania, Hemp	-	-	4 leaves	4 <sup>c</sup>	6 leaves	6 <sup>c</sup>
Smartweed, Pennsylvania	-	-	4 leaves	4	6 leaves	6
Smellmelon	-	-	-	-	2 leaves	2 <sup>c</sup>
Spurge, Prostrate	-	-	-	-	Multi 0.5" diameter	-
Spurge, Spotted	-	-	-	-	Multi 0.5" diameter	-
Starbur, Bristly	-	-	-	-	2 leaves	2 <sup>c</sup>
Waterhemp, Common	4 leaves	Less than 2	6 leaves	Less than 4	6 leaves	4
Waterhemp, Tall	4 leaves	Less than 2	6 leaves	Less than 4	6 leaves	4
<b>Annual Grasses</b>						
Foxtail, Giant <sup>c</sup>	-	-	-	-	2 leaves	1
Foxtail, Green <sup>c</sup>	-	-	-	-	2 leaves	1
Foxtail, Yellow <sup>c</sup>	-	-	-	-	2 leaves	1
Johnsongrass, Seedling <sup>c</sup>	-	-	-	-	2 leaves	1
Panicum, Fall <sup>c</sup>	-	-	-	-	2 leaves	1
Shattercane <sup>c</sup>	-	-	-	-	2 leaves	1
Volunteer Small Grains <sup>c</sup>	-	-	-	-	2 leaves	1

<sup>a</sup>Includes triazine and ALS resistant biotypes.

<sup>b</sup>When assessing leaf stages as an indication of growth stage, do not count pairs of leaves, count individual leaves separately and do not count cotyledon leaves. Do not treat weeds during the cotyledon stage of growth.

<sup>c</sup>Refer to the Special Use Directions section below.

<sup>d</sup>Suppression or partial control.



## ADDITIONAL WEED PROBLEMS IN SOYBEANS

### SPECIAL USE DIRECTIONS

Prior to applying **A306.01** with spray equipment, ensure that there is good soil moisture. For an effective application, soil must be moist before and after application.

Use a rate of 1.5 pints of **A306.01** per acre, mixed with 2 pints of spray surfactant per 100 gallons of spray mix (unless otherwise stated) for the following weeds:

#### **Beggarweed, Florida**

Florida Beggarweed is difficult to control because it has a long germination season. Apply **A306.01** when Florida Beggarweed seedlings have no more than 2 expanding young true leaves and seedlings are no higher than 1.5”.

To ensure an optimal treatment of **A306.01** for control of Florida Beggarweed, obtain maximum control of the earliest flush of the weed. Schedule cultivation to ensure that secondary weed flushes and regrowth are controlled.

Applications of **A306.01** will suppress and/or partially control Florida Beggarweed growing in high soil moisture or in high relative humidity.

#### **Buckwheat, Wild**

##### **Buffalobur**

**A306.01** will provide partial control when buffalobur and wild buckwheat seedlings have less than 2 true leaves. Treat with **A306.01** at a rate of 1.5 pints per acre in 30 gallons of water.

#### **Cucurbits: Burgherkin**

##### **Citron (Wild Watermelon)**

##### **Smellmelon**

The cucumber species may be difficult to control with a single application as germination of the plant occurs over a protracted period. For an effective application of **A306.01**, ensure the first treatment is made no later than the 2-leaf stage.

#### **Morningglories**

In order to achieve control of morningglories on a consistent basis, make sequential applications of 1 pint of **A306.01**.

#### **Poinsettia, Wild**

Usually, **A306.01** will kill or severely stunt Wild Poinsettia. Apply this product to before the formation of the third true leaf.

Treatment with **A306.01** may result in a differential in height between surviving poinsettia and soybeans crops which will allow for directed applications. Directed applications may be undertaken in order to achieve greater control.

#### **Sesbania, Hemp**

##### **Crotalaria, Showy**

Sesbania and Crotalaria are sensitive to treatment with this product. Therefore, control can be achieved at almost any plant height.

Apply **A306.01** at the rate of 1 pint per acre after maximum weed emergence but before bloom. Applications of this product made after bloom are usually ineffective. Ensure that target weed species are not shaded by the crop canopy from spray applications. In order to control infestations of Sesbania in the late season, wait until the weed breaks the crop canopy before applying **A306.01**.

### **Senna, Coffee**

### **Starbur, Bristly**

Applications of this product are usually ineffective if made after the 2-leaf growth stage. **A306.01** will kill/suppress seedlings if applied to weeds not past the 2 leaf growth stage at the directed rate.

### **Perennial Weeds**

- **Bindweed, Field and Hedge**
- **Milkweed, Climbing and Common**
- **Redvine, Trumpet creeper**

Acifluorfen is not effective in killing rootstocks of these perennial weeds because control of weeds growing from rootstocks underground is difficult. Applications of **A306.01** will burn back above ground plants and suppress regrowth. Apply this product at the rate directed in Table 1 with 2 to 4 pints of spray surfactant per 100 gallons of spray mix.

### **Annual Grasses**

- **Foxtail, Giant, Green and Yellow**
- **Johnsongrass, Seedling**
- **Panicum, Fall**
- **Shattercane**

When used with a pre-emergence herbicide or preplant incorporated herbicide, this product will provide supplemental control of grasses and will kill/suppress annual grasses not past the 2-leaf stage of growth. **A306.01** must not be used as the basic or lone component in an annual grasses control program.

### **Volunteer Small Grains**

- **Barley**
- **Oats**
- **Rye**
- **Wheat**

To suppress or kill weeds, treat emerging volunteer small grains which are at the 1 to 2 leaf growth stage with **A306.01**.

## **ADDITIVES**

For consistent control with **A306.01**, one of the following additives must be combined with this product: ammonium sulfate, nonionic surfactant, urea ammonium nitrate, crop oil concentrate.

UAN (or AMS) should be the additive selected when controlling velvetleaf.

Using additives with **A306.01** may result in leaf burn. Leaf burn is more likely to occur if the relative humidity and the air temperature are high. Crop vigor will remain unaffected and new growth will continue normally. For more details, contact the Atticus, LLC representative for your area.

See Table 2 For Additive Options, and Table 3 for Additive Rates.

### **Nonionic Surfactant**

Use 1 to 2 pints of 80% active nonionic spray surfactant per 100 gallons of water. Use a higher rate of spray surfactant for certain weeds.

### **Ammonium Sulfate (AMS) Fertilizer**

AMS is a granular, dry, nitrogen-source fertilizer. It must not be used unless it has been shown to be effective within the local area. AMS of an inferior grade will not dissolve adequately and may plug spray nozzles. Only use fine-feed grade or spray grade AMS.

Do not apply AMS in less than 10 gallons per acre. Precipitation may cause problems with AMS if it is applied in reduced volumes.

**Oil Concentrate**

The oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:

- be nonphytotoxic,
- contain only EPA-exempt ingredients,
- provide good mixing quality in the compatibility test, and
- be successful in local experience.

The composition of suitable additives will vary. Vegetable and petroleum oil concentrates should contain emulsifiers to have good mixing properties. Highly refined vegetable oils have been shown to be more successful as additives than those that are unrefined. For more information, see the Compatibility Test for Mix Components section.

Use of certain oil concentrate products may result in excessive leaf burn. Prior to purchasing an oil concentrate, contact your local area additive supplier regarding the success and suitability of the product.

**UAN: Urea Ammonium Nitrate**

UAN may be added to this product for increased control of weeds and instead of other spray additives in order to improve control of target weeds. UAN is known as either 28%, 30%, or 32% nitrogen solution. Do not use brass or aluminum nozzles to apply this product combined with UAN because most UAN solutions are mildly corrosive to mild steel, brass and galvanized metals. Thoroughly rinse application equipment immediately after use with water.

**Effects of Temperature and Relative Humidity**

To ensure that the use of adjuvants is effective, use the following equation and use rate table (Table 2):

If temperature (degrees Fahrenheit) plus relative humidity (expressed as a percentage) exceeds 150, use the lower rates for adjuvants in Table 2.  
 Example: Temperature 75°F + relative humidity 90% = 165: use the lower use rate for adjuvant in Table 2

**Table 2 – Tank Mix Use Rates for Additives and Additive Options**

Option	Additive(s)	Use Rate
A	AMS	2.5 pounds per acre
B	UAN	4-8 pints per acre
C	Nonionic Surfactant	1-2 pints per 100 gallons
D	Crop Oil Concentrate	1-2 pints per acre
E	AMS and Nonionic Surfactant	AMS (1-2 pounds per acre) Nonionic surfactant (1-2 pints per 100 gallons)
F	UAN and Nonionic Surfactant	UAN (2-4 pints per acre) Nonionic surfactant (1-2 pints per 100 gallons)
G	AMS and Crop Oil Concentrate	AMS (1-2 pounds per acre) Crop Oil Concentrate (1 pint per acre)
H	UAN and Crop Oil Concentrate	UAN (2-4 pints per acre) Crop Oil Concentrate (1 pint per acre)

**Table 3 – Additive Rate Per Acre**

<b>Additive</b>	<b>Ground Application Rate</b>	<b>Air Application Rate</b>
Nonionic Surfactant	1-2 pints per 100 gallons	1-2 pints per 100 gallons
AMS Oil Concentrate UAN Solution	2.5 pounds per acre 1-2 pints per acre 4-8 pints per acre	2.5 pounds per acre 1-2 pints per acre 4 pints per acre

**MIXING INFORMATION**

Physical incompatibility, reduced weed control, or crop injury may result from mixing **A306.01** with other pesticides (fungicides, herbicides, insecticides or miticides), additives or fertilizers. Atticus, LLC does not recommend using tank mixes other than those listed on the **A306.01** label.

Refer to local area agricultural authorities who may recommend tank mixtures not specified on Atticus, LLC labeling. The use of tank mixtures whose effectiveness has not been tested may result in crop injury, reduced weed control or physical incompatibility.

It is the pesticide user’s responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions, limitations, and directions for use on all product labels involved in the tank mixture. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. This product may be tank mixed with the following active ingredients:

• quinalofop p-ethyl	• fluazifop-p-butyl + fenoxaprop-p-ethyl	• imazamox ammonium
• sodium bentazon	• Glyphosate	• chlorimuron + thifensulfuron
• imazapic-ammonium	• alachlor	• flumiclorac pentyl ester
• chlorimuron ethyl	• thifensulfuron methyl	• imazaquin
• metolachlor	• sethoxydim	• clethodim
• quinclorac	• propanil	• thifensulfuron methyl + chlorimuron ethyl
• cloransulam-methyl	• imazethapyr ammonium	• 2,4-DB
• dimethenamid	• fluazifop-p-butyl	• Dicamba

For further instructions, see the Crop-Specific Information section.

**Compatibility Test for Tank Mix Components**

Before mixing components, always perform a compatibility jar test. For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended source temperature.

Add components in the sequence indicated in **Mixing Order** using teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre. Always cap the jar and invert 10 cycles between component additions.

When the components have all been added to the jar, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, do not mix the ingredients in the same tank.

**Mixing Order**

1. **Water.** Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
2. **Agitation.** Maintain constant agitation throughout mixing and application.

3. **Products in PVA Bags.** Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
4. **Water dispersible products** (such as dry flowables, wettable powders, suspension concentrates, or suspo-emulsions). If an inductor is used, rinse it thoroughly after the component has been added.
5. **Water-soluble products** (such as **A306.01**). If an inductor is used, rinse it thoroughly after the component has been added.
6. **Emulsifiable concentrates** (such as oil concentrate when applicable). If an inductor is used, rinse it thoroughly after the component has been added.
7. **Water-soluble additives** (such as AMS or UAN when applicable). If an inductor is used, rinse it thoroughly after the component has been added.
8. **Remaining quantity of water.** Maintain constant agitation during application.

### PRECAUTIONS

- Weeds or crops that are under stress (e.g. from flooding, drought, hail damage, widely fluctuating temperatures, herbicide injury or mechanical injury) must not be treated with this product or unsatisfactory control of weeds may result. Do not apply **A306.01** to injured crops. Crop injury may be caused by a previous herbicide application (e.g. phytotoxicity and plant stunting). Treating injured crops with **A306.01** may cause existing crop damage to be enhanced or prolonged.

### RESTRICTIONS

- Leave at least 15 days between treatments with this product.
- Plants treated with this product must not be used for feed or forage.
- **A306.01** must not be applied through irrigation systems of any type.
- Do not allow livestock to graze treated crops. Do not allow treated areas to be used to harvest forage, hay or feed for livestock.
- In the event of crop failure, do not replant small grains in a treated field for 40 days following the application of **A306.01** to that field. The replanting of strawberries, peanuts and soybeans may take place immediately after a crop failure. All other species of rotational crops must not be replanted for 100 days following an application with **A306.01**.

#### Soybeans

- Do not apply more than a total of 2 pints per acre of **A306.01** per season (0.5 lb. ai per acre per season).
- Do not apply more than 1.5 pints per acre of **A306.01** per application (0.375 lb. ai per acre per application).

### LIMITATIONS

- The effectiveness of an application of this product may be reduced if rainfall or overhead irrigation happens within 4 hours of treatment.

**Table 4 – Summary of Crop-Specific Restrictions**

Crop	Pre-Harvest Interval (PHI): Minimum Time Between Application to Harvest (in days)	Maximum Rate Per Season (Per Acre in pints)	Maximum Rate Per Application (Per Acre in pints)
Soybeans	50	2	1.5 pints

## CROP SPECIFIC INFORMATION

### SOYBEANS

Refer to Application Instructions (above) and Table 1. Make a spray application with **A306.01** to actively growing small weeds. For subsequent weed flushes, or to control weeds that escaped the first treatment, make a sequential application of this product as follows: apply 1 pint of this product following an initial application of 1 pint. Treatment(s) with **A306.01** must be made prior to target weeds reaching the maximum size specified in Table 1.

### Tank Mixes

See Table 2 for additive options. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. For the treatment of Soybeans, **A306.01** may be tank mixed with the following products:

Tank Mix Partner	Additive (refer to Table 2)
sodium bentazon	Option C or Option D
chlorimuron ethyl	Option C
cloransulam-methyl	Option E
dimethenamid	Option C
fluzifop-p-butyl <sup>a</sup>	Option C
fluzifop-p-butyl + fenoxaprop-p-ethyl <sup>a</sup>	Option C
Glyphosate <sup>b</sup>	8.5 lbs. to 17 lbs. of AMS per 100 gallons
quizalofop-p-ethyl <sup>a</sup>	Option C
thifensulfuron	Option C or Option E
sethoxydim <sup>a</sup>	Option D
imazethapyr ammonium	Option E
imazamox ammonium	Option E
flumiclorac pentyl ester	Option D
imazaquin	Option C
clethodim	Option D
thifensulfuron methyl + chlorimuron ethyl <sup>c</sup>	Option G or Option H
2,4-DB	Option C

<sup>a</sup> If utilizing this mixture as part of a weed control program, do the following:

- If an area is treated with the tank mix partner first, wait at least 24 hours before applying **A306.01** to the same area.
- If an area is treated with **A306.01** first, wait 7 days before applying the tank mix partner to the same area.

<sup>b</sup> Only apply this product in tank mix with glyphosate containing herbicides to glyphosate tolerant soybeans or severe crop injury or plant death will occur.

<sup>c</sup> Application to soybean crops that have not been designated STS will cause severe crop injury and/or loss of yield. Do not add an oil concentrate when applying to soybean not designated STS.

### Burndown Treatment (Prior to Soybean Planting)

**A306.01** has been specially formulated for use in burndown treatments to particularly aide in control of weeds resistant to glyphosate and ALS inhibitors. To control present weeds (per Table 1), **A306.01** can be applied on its own before crop planting. **A306.01** can also be used as a tank mix partner with other burndown herbicides to broaden range and level of control. Reduced rates of **A306.01** in three-way combinations with Glyphosate plus 2,4-D OR Dicamba may be found to be very effective particularly in controlling resistant pigweed. Burndown prior to planting can use the addition of a spray additive. However, this pre-plant burndown application is not a replacement for a season long weed control program.

**Burndown Treatment – Tank Mixes**

See Table 2 for additive options. For the pre-planting burndown, **A306.01** may be mixed with the following products:

Tank Mix Partner	Additive (refer to Table 2)
sethoxydim	Option D, Option G or Option H
2,4-D	Option D
Dicamba	
Glyphosate <sup>a</sup>	
Clethodim	

<sup>a</sup> Only apply this product in tank mix with glyphosate containing herbicides to glyphosate tolerant soybeans or severe crop injury or plant death will occur.

**Burndown Treatment (Post harvest/Fallow/Crop Stubble/Set-aside) – plantback only to soybeans**

To control present weeds (per Table 1), **A306.01** can be applied on its own after harvest in the fall, spring or summer during the fallow period or to crop stubble/set-aside acres. Burndown after harvest can use the addition of a spray additive. However, this post-harvest application is not a replacement for a season long weed control program. Apply to acres that will only be planted back to soybeans. **Tank Mixes:** See Table 2 for additive options. For post-harvest burndown, **A306.01** may be mixed with the tank-mix partners listed in the table under Burndown Treatment – Tank Mixes.

**Tank Mixtures for Glyphosate Tolerant Soybeans**

**A306.01** can be applied postemergent in tank mixtures with glyphosate containing herbicides to control glyphosate resistant weeds. Target weeds must be listed on this label. Refer to Table 1 for a list of weeds controlled, application rates and application timing. If using spray additives, follow the directions on the glyphosate tank mix partner product label. Information on this label regarding weed growth stages and application rates must be followed for effective broadleaf weed control. Only apply this product in tank mix with glyphosate containing herbicides to glyphosate tolerant soybeans or severe crop injury or plant death will occur. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

**RESTRICTIONS**

- Do not apply more than a total of 2 pints per acre of **A306.01** per season (0.5 lb. ai per acre per season).
- Do not apply more than 1.5 pints per acre of **A306.01** per application (0.375 lb. ai per acre per application).

Broadleaves Controlled by A306.01
Artichoke, Jerusalem ( <i>Helianthus tuberosus</i> )
Balloonvine ( <i>Cardiospermum halicacabum</i> )
Beggarweed, Florida ( <i>Desmodium tortuosum</i> )
Beggarticks ( <i>Bidens frondosa</i> )
Bindweed, Field ( <i>Convolvulus arvensis</i> )
Bindweed, Hedge ( <i>Convolvulus sepium</i> )
Buckwheat, Wild ( <i>Polygonum convolvulus</i> )
Buffalobur ( <i>Solanum rostratum</i> )
Burgherkin ( <i>Cucumis anguria</i> )
Carpetweed ( <i>Mollugo verticillata</i> )
Citron (Wild Watermelon) ( <i>Citrullus vulgaris</i> )
Cocklebur, Common ( <i>Xanthium pensylvanicum</i> )
Cocklebur, Heartleaf ( <i>Xanthium strumarium</i> )
Copperleaf, Hophornbeam ( <i>Acalypha ostryaefolia</i> )

<b>Broadleaves Controlled by A306.01</b>
Copperleaf, Virginia ( <i>Acalypha virginica</i> )
Crotalaria, Showy ( <i>Crotalaria spectabilis</i> )
Croton, Tropic ( <i>Croton glandulosus</i> )
Croton, Woolly ( <i>Croton capitatus</i> )
Crownbeard, Golden ( <i>Verbesina encelioides</i> )
Cucumber, Wild Spiny ( <i>Cucumis dipsaceus</i> )
Eclipta ( <i>Eclipta alba</i> )
Galinsoga, Hairy ( <i>Galinsoga ciliata</i> )
Galinsoga, Smallflower ( <i>Galinsoga parviflora</i> )
Groundcherry, Cutleaf ( <i>Physalis angulata</i> )
Groundcherry, Lanceleaf ( <i>Physalis lanceifolia</i> )
Indigo, Hairy ( <i>Indigofera hirsute</i> )
Jimsonweed ( <i>Datura stramonium</i> )
Ladysthumb ( <i>Polygonum persicaria</i> )
Lambsquarters, Common ( <i>Chenopodium album</i> )
Milkweed, Climbing ( <i>Sarcostemma cyanchoides</i> )
Milkweed, Common ( <i>Asclepias syriaca</i> )
Morningglory, Cypressvine ( <i>Ipomoea quamoclit</i> )
Morningglory, Entireleaf ( <i>Ipomoea hederacea</i> var. <i>integruscula</i> )
Morningglory, Ivyleaf ( <i>Ipomoea hederacea</i> var. <i>hederacea</i> )
Morningglory, Purple Moonflower ( <i>Ipomoea muricata</i> )
Morningglory, Scarlet ( <i>Ipomoea coccinea</i> )
Morningglory, Smallflower ( <i>Jacquemontia tamnifolia</i> )
Morningglory, Small White (pitted) ( <i>Ipomoea lacunosa</i> )
Morningglory, Tall, Common ( <i>Ipomoea purpurea</i> )
Morningglory, Willowleaf (Palmleaf) ( <i>Ipomoea wrightii</i> )
Mustard, Wild ( <i>Brassica kaber</i> )
Nightshade, Black ( <i>Solanum nigrum</i> )
Nightshade, Eastern Black ( <i>Solanum ptycanthum</i> )
Pigweed, Palmer ( <i>Amaranthus palmeri</i> )
Pigweed, Prostrate ( <i>Amaranthus blitoides</i> )
Pigweed, Redroot ( <i>Amaranthus retroflexus</i> )
Pigweed, Smooth ( <i>Amaranthus hybridus</i> )
Pigweed, Spiny ( <i>Amaranthus spinosus</i> )
Poinsettia, Wild ( <i>Euphorbia heterophylla</i> )
Poorjoe ( <i>Diodia teres</i> )
Purslane, Common ( <i>Portulaca oleracea</i> )
Pusley, Florida ( <i>Richardia scabra</i> )
Ragweed, Common ( <i>Ambrosia artemisifolia</i> )
Ragweed, Giant ( <i>Ambrosia trifida</i> )
Redvine ( <i>Brunnichia cirrhosa</i> )
Senna, Coffee ( <i>Cassia occidentalis</i> )
Sesbania, Hemp ( <i>Sesbania exaltata</i> )
Smartweed, Pennsylvania ( <i>Polygonum pennsylvanicum</i> )
Smellmelon ( <i>Cucumis melo</i> )
Spurge, Prostrate ( <i>Euphorbia supine</i> )
Spurge, Spotted ( <i>Euphorbia maculata</i> )
Starbur, Bristly ( <i>Acanthospermum hispidum</i> )
Teaweed (See Sida, Prickly) ( <i>Sida spinosa</i> )



<b>Broadleaves Controlled by A306.01</b>
Trumpet creeper ( <i>Campsis radicans</i> )
Velvetleaf ( <i>Abutilon theophrasti</i> )
Waterhemp, Common ( <i>Amaranthus rudis</i> )
Waterhemp, Tall ( <i>Amaranthus tuberculatus</i> )

<b>Grasses Controlled by A306.01</b>
Foxtail, Giant ( <i>Setaria faberi</i> )
Foxtail, Green ( <i>Setaria viridis</i> )
Foxtail, Yellow ( <i>Setaria lutescens</i> )
Johnsongrass, Seedling ( <i>Sorghum halepense</i> )
Johnsongrass, Rhizome ( <i>Sorghum halepense</i> )
Panicum, Fall ( <i>Panicum dichotomiflorum</i> )
Panicum, Texas ( <i>Panicum texanum</i> )
Shattercane ( <i>Sorghum bicolor</i> )
Volunteer Barley ( <i>Hordeum vulgare</i> )
Volunteer Barley, Corn ( <i>Zea mays</i> )
Volunteer Barley, Oats ( <i>Avena sativa</i> )
Volunteer Barley, Rye ( <i>Secale cereale</i> )
Volunteer Barley, Wheat ( <i>Triticum aestivum</i> )

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Do not store below 32°F.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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:

**For plastic containers ≤ 5 gallons:** Nonrefillable Container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or 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 other procedures approved by state and local authorities.

**For plastic containers > 5 gallons:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## LIMITATION OF WARRANTY AND LIABILITY

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, to the extent consistent with applicable law, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

[A306.01] is a trademark of Atticus, LLC

Ultra Blazer® is a registered trademark of United Phosphorus Inc.

Basagran, Frontier, Poast, Poast Plus, Pursuit, Raptor and Scepter are registered trademarks of BASF AG.

Assure, Classic, and Synchrony are registered trademarks and STS is a trademark of E.I. DuPont de Nemours and Company.

Fusilade and Fusion are registered trademarks of a Syngenta Group Company.

FirstRate is a registered trademark of Dow AgroSciences LLC.

Matador is a registered trademark of FMC Corp.

Resource and Select are registered trademarks of Valent USA Corp.

**{LANGUAGE ON LABEL AFFIXED TO CONTAINER}**

ACIFLUORFEN	GROUP	14	HERBICIDE
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**A306.01™**

[Alternate Brand Name: Derecho]

**ACTIVE INGREDIENT:** ( % by weight)  
 Sodium salt of acifluorfen\*.....20.1%  
**OTHER INGREDIENTS:**.....79.9%  
**TOTAL** ..... 100.0%

\*Equivalent to 2 pounds of active ingredient per gallon.

**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	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center (1-800-222-1222) or doctor, or going for treatment. You may also contact SafetyCall at <b>1-844-685-9173</b> for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage. <b>ANTIDOTE</b> – No specific antidote is available. Treat symptomatically.	

**For Chemical Emergency:**

**Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC Day or Night**  
 Within USA and Canada: **1-800-424-9300** or **+1 703-527-3887** (collect calls accepted)

**PRECAUTIONARY STATEMENTS  
 HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin, or inhaled. Do not get in eyes or on clothing. Avoid contact with skin and breathing vapor or spray mist.

**ENVIRONMENTAL HAZARDS:** 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 washwaters. Do not apply when weather conditions favor drift from target area.

**GROUND WATER ADVISORY:** Sodium acifluorfen is known to leach through soil to groundwater under certain conditions as a result of label use. Use of this chemical in areas where soils are permeable (sandy/loamy soils) and water tables are shallow could result in contamination of groundwater. Use of irrigated water in such areas will increase the likelihood of groundwater contamination.

**PHYSICAL OR CHEMICAL HAZARDS** Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

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See inside label booklet for additional Precautionary Statements and Directions for Use.

Manufactured for:  
**Atticus, LLC**  
 5000 CentreGreen Way, Suite 100  
 Cary, NC 27513

**EPA Reg. No. 91234-108**  
**EPA Est. No.** \_\_\_\_\_  
**NET WEIGHT:** \_\_\_\_\_