



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

December 06, 2025

SENT BY EMAIL

Kayla Ward
kayla.ward@atticusllc.com
ATTICUS, LLC

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 2007-4 - Updates to 'Storage and Disposal' box on label
Product Name: A3118.01
Admin Number: 91234-360
EPA Receipt Date: 11/25/2025
Action Case Number: 00677131

Dear Kayla Ward:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 2007-4 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 2007-4 and finds that the action requested falls within the scope of PRN 2007-4.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have questions, please contact Julie Kelleher via email at kelleher.julie@epa.gov.

Sincerely,

Kable Bo Davis

Kable Bo Davis, Senior Advisor
FHB, RD
Office of Pesticide Programs

{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: Bottled Material

DICLOSULAM	GROUP	2	HERBICIDE
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A3118.01 [™]

[Alternate Brand Name: Trumark]

[Contains diclosulam, the active ingredient used in Strongarm®.]

[HERBICIDE]

For broadleaf weed control in [peanuts] [and] [soybeans]

ACTIVE INGREDIENT:

(% by weight)

diclosulam:

N-(2,6-dichlorophenyl)-5-ethoxy-7-fluoro[1,2,4]triazolo-[1,5-c]pyrimidine-2-sulfonamide..... 84.0%

OTHER INGREDIENTS: 16.0%

TOTAL 100.0%

Contains 0.84 lb of active ingredient per pound of product.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.)

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

[See inside label booklet for First Aid, [additional] Precautionary Statements, and Directions for Use.]

[See below for additional Precautionary Statements]

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

[A3118.01 is not manufactured, or distributed by Corteva Agriscience United States, seller of Strongarm®.]

EPA Reg. No.: 91234-360

EPA Est. No.:

Net Contents:

Manufactured for:

Atticus, LLC

940 NW Cary Parkway, Suite 200

Cary, NC 27513

NOTIFICATION

91234-360

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

12/06/2025

{LANGUAGE INSIDE BOOKLET}

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

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

CAUTION

Causes Moderate Eye Irritation. Harmful If Absorbed Through Skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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.

User Safety Recommendations

Users should:

- 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 clothing.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or when disposing of equipment washwaters or rinsate.

This chemical and its transformation products demonstrate the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

This chemical can contaminate surface water through spray drift.

Under some conditions, this chemical, and/or its transformation products, may have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several weeks post-application. Vulnerable conditions include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas over-laying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

Physical and Chemical Hazards

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

{NOTE TO REVIEWER: Registrant may add the following state restriction statement as required throughout. (e.g. NOT FOR USE IN CALIFORNIA)}

[NOT FOR USE IN _____]

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

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

Agricultural Use Requirements

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

- Coveralls
- Waterproof gloves
- Shoes plus socks

Product Information

A3118.01 is a soil-applied product for control of broadleaf weeds in peanuts and soybeans. **A3118.01** may be applied preplant incorporated, preplant surface, or preemergence through cracking in peanuts. "Cracking" of soil occurs when soil is displaced by germinating seedlings just prior to emergence. **A3118.01** may also be used postemergence in peanuts. A single postemergence application may be made in peanuts.

Use Precautions

- Read and carefully follow all applicable directions, precautions and restrictions on labeling for other products used in combination with **A3118.01**.
- This product must be used in a manner that will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.
- **Iron Chlorosis:** There are isolated areas of the country where soil-induced iron chlorosis routinely occurs. Severity of iron chlorosis symptoms may increase when **A3118.01** is soil applied in areas with a history of soil-induced iron chlorosis or other nutrient induced crop injury.

Use Restrictions

- Aerial application of this product is prohibited.
- Do not allow livestock to graze treated areas or harvest forage or hay from treated areas.
- **Chemigation:** Do not apply this product through any type of irrigation system.
- Do not use flood irrigation to apply or incorporate this product.

Proper Handling Instructions

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specific minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Avoid all direct or indirect contact with non-target plants. Do not apply near desirable vegetation and allow adequate distance between target area and desirable plants to minimize exposure.

Do not apply under conditions that favor runoff or wind erosion of soil containing A3118.01 to non-target areas.

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

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, allow the soil surface to first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered ground.
- Do not apply to soils when saturated with water.

- Do not use water from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.

Do not apply when weather conditions favor drift to non-target sites. To minimize spray drift to non-target areas:

- Use low pressure application equipment capable of producing a large droplet spray.
- Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Spray when conditions are calm or wind speed is low. Do not spray when wind is gusting or steady wind speed is greater than 10 mph.

Crop Rotation Intervals

Numbers in parentheses (-) refer to Specific Crop Rotation Information.

Crop	Rotation Interval ¹ (Months)
soybeans, peanuts	no restriction
wheat, barley	4
oats, rye	6
snap beans	9
Cotton ^{2, 5}	10 ⁵
Corn ³ , rice, tobacco, sorghum	18
sugar beets, sunflowers and other crops not listed	30 ⁴

Specific Crop Rotation Information:

¹Minimum number of months that must pass before planting other crops after application of **A3118.01** at up to 0.45 oz per acre in peanuts or soybeans.

²**A3118.01** applied at greater than 0.45 oz per acre, as may occur with boom overlap or at field ends where spray equipment has slowed, may cause injury to rotational cotton the following season. Soils with a shallow hardpan (less than 10 inches) and/or loam soils may be more prone to carryover. Additionally, cotton grown under early season stress resulting from conditions such as excessively cool, wet, dry or crusted soils, may be particularly susceptible to rotational injury.

³The crop rotation interval for corn hybrids identified as "IR" is 10 months.

⁴Rotation to sugar beets, sunflowers, and all other crops not listed requires a 30-month rotation interval and a successful field bioassay.

⁵In North Carolina, the crop rotation interval for cotton is 18 months in the counties of Camden, Currituck, Pasquotank and Perquimans. In all other counties in North Carolina, the crop rotation interval for cotton is 10 months.

Field Bioassay Instructions: Using typical tillage, seeding practices, and timings for the particular crop, plant several strips of the desired crop variety across the field previously treated with **A3118.01**. Plant the strips perpendicular to the direction in which **A3118.01** was applied. Locate the strips so that different field conditions are encountered, including differences in soil texture, pH, and drainage. If the crop does not show visible symptoms of injury, stand reduction, or yield reduction, the field can be seeded with the test crop in the growing season following the bioassay. If visible injury, stand reduction, or yield reduction occurs, the test crop must not be seeded, and the bioassay must be repeated the next growing season.

Mixing

Application Rate (oz/acre)
0.15
0.3
0.45
0.5
0.55
0.6

A3118.01 - Alone

Thorough mixing of water dispersible granules of **A3118.01** prior to and during application is required.

1. Fill the tank with 1/2 of the total amount of water or liquid fertilizer required for the load. If applied in liquid fertilizer, **A3118.01** must be pre-mixed with water to form a slurry and then added to the liquid fertilizer solution. Pre-mixing may also be used if making an application in water. See pre-mixing instructions below.
2. Start the agitation system.
3. Add the required amount of water dispersible granules by opening the bottle(s) and measuring the required amount and adding directly to the spray tank while agitating and allow time for the product to disperse or utilize a pre-mixing slurry as outlined below prior to pouring into the spray tank.
4. Postemergence or burndown application: Add any surfactant or other adjuvant material last.
5. Continue agitation while filling the spray tank to the required volume.
6. To ensure a uniform spray mixture, continuous agitation is required during application. If product is allowed to settle, thoroughly agitate to resuspend the mixture before spraying is resumed. Apply within 24 hours of mixing. Weed control may be reduced if the tank mix is allowed to stand for more than 48 hours.

Pre-Mixing (Slurry Stir (or shake if pre-mixed in a closed container) until the water dispersible granules are dispersed and then add to the spray tank or inductor through a 20 to 35 mesh screen. Rinse container used for pre-mixing and add rinsate to spray tank.

Pre-Mixing with Other Products: If pre-mixing is required for other dry or flowable products applied in tank mix combination with **A3118.01**, follow directions for pre-mixing provided in the respective product labels.

A3118.01 - Tank Mix

If a broader spectrum of weed control is required, **A3118.01** may be tank mixed with labeled rates of other herbicides provided: (1) the tank mix product is labeled for the timing and method of application for the use site to be treated; and (2) tank mixing is not prohibited by the label of the tank mix product.

Mixing Order for Tank Mixes:

1. Fill the spray tank to 1/2 of the total spray volume required with water or liquid fertilizer.
2. Start the agitation system.
3. Add the required amount of water dispersible granules by opening the bottle(s) and measuring the required amount and adding directly to the spray tank while agitating and allow time for the product to disperse or utilize a pre-mixing slurry as described above prior to adding to the spray tank. If liquid fertilizer is being used as the spray carrier rather than water, pre-mix the water dispersible granules as described above before adding to the spray tank.
4. After adding **A3118.01**, add different formulation types in the following order: (1) formulation(s) packaged in water soluble packets; (2) any compatibility agent, if required; (3) other dry flowables; (4) wettable powders; (5) aqueous suspensions, flowables and liquids. Maintain agitation and fill spray tank to 3/4 of total spray volume and add: (6) emulsifiable concentrates, (7) solutions (i.e., fertilizers); and (8) surfactants. Allow time for complete mixing and dispersion after each addition.
5. Postemergence or burndown application: Add any surfactant or other adjuvant material last.
6. Finish filling the spray tank. Maintain continuous agitation during mixing and throughout application.

Vigorous, continuous agitation during mixing, filling and throughout application is required for all tank mixes. Sparger type agitators generally provide the most effective agitation in spray tanks. To prevent foaming in the spray tank, avoid stirring or splashing air into the spray mixture.

If application or agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be thoroughly agitated to resuspend the mixture before spraying is resumed. A sparger agitator is particularly useful for this purpose. Settled material may be more difficult to resuspend than when originally mixed.

Tank Mixing Precautions:

- It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.
- Do not exceed specified application rates for respective products or maximum allowable application rates for any active ingredient in the tank mix.
- Do not tank mix with products containing boron or mix in equipment previously used to apply a product mixture containing boron unless the tank and spray equipment have been adequately cleaned. (See Spray Equipment Clean-Out Procedures.)
- Always perform a (jar) test to ensure the compatibility of products to be used in tank mixture.

Tank Mix Compatibility Testing: A jar test is recommended prior to tank mixing to ensure compatibility of **A3118.01** and other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-up, forms flakes, sludges, jels, oily films or layers, or other precipitates, it is not compatible. Do not use the tank mix combination.

Spray Equipment Clean-Out Procedures

1. Drain any remaining spray mixture from the application equipment.
2. Hose down the interior surfaces of the tank while filling the tank 1/2 full with water.
3. Add household ammonia at a rate of 1 gallon per 100 gallons of water. Recirculate for 5 minutes and spray out part of this mixture for 5 minutes through the boom. Drain tank.
4. Remove all spray nozzles and screens and clean separately.
5. If spray equipment will be used for pesticide application to crops sensitive to **A3118.01**, repeat steps 1 to 3. Exterior surfaces of spray equipment must also be thoroughly cleaned.
6. Rinsate may be disposed of on site according to label use directions or at an approved waste disposal facility.

Application with Dry Bulk Fertilizer (Soil Application Only)

Dry bulk fertilizer may be impregnated or coated with **A3118.01**. Soil applications of dry bulk fertilizer impregnated with **A3118.01** provides weed control equal to the same rates of **A3118.01** applied in liquid carriers. Follow label directions for **A3118.01** regarding rates per acre, special instructions, precautions and limitations for soil application.

Most absorbent dry fertilizers can be used for impregnation with **A3118.01**. Pure ammonium nitrate and/or limestone will not absorb the herbicide and are not suitable for impregnation with **A3118.01**. Absorbent fertilizer blends containing a mixture of ammonium nitrate and/or limestone as part of the fertilizer mixture may be impregnated.

Apply 300 to 700 lb of fertilizer/herbicide mixture per acre. Apply the mixture uniformly to the soil with properly calibrated equipment immediately after blending. Uniform application of the herbicide/fertilizer mixture is essential for satisfactory weed control and to prevent possible crop injury. Non-uniform application may result in unsatisfactory weed control. In areas where conventional tillage is practiced, a shallow soil incorporation of the

mixture may improve weed control.

Compliance with all federal and state regulations relating to blending pesticide mixtures with dry bulk fertilizer, registration, labeling and application are the responsibility of the individual and/or company offering the fertilizer and chemical mixture for sale.

Impregnation

A3118.01 must be pre-mixed with water to form a slurry prior to impregnation of dry bulk fertilizer. For best results, use a minimum of 6 fl oz of water for each individual 0.45 oz of product. A small amount of a silicon-based defoaming agent may also be needed. Make sure **A3118.01** is completely and uniformly dispersed in water. Add sufficient water to adjust the total volume of the mixture to deliver a spray volume of 0.5 to 1 gallon of fertilizer per ton. Nozzles used to spray **A3118.01** onto the fertilizer must be placed to provide uniform spray coverage. Use constant agitation to keep the spray mixture suspended.

Herbicide Combinations with A3118.01 on Dry Bulk Fertilizer

To prepare concentrated tank mixtures of **A3118.01** with emulsifiable concentrate formulations, the **A3118.01**/water pre-mix must be added to the liquid mixing tank first. If additional water is required, this must be added next, followed by the emulsifiable concentrate. Care must be taken to avoid over-saturating the dry fertilizer with liquid. For this reason the volume of water in the mixing tank must be roughly equivalent to the volume of emulsifiable concentrate added to the mixing tank. Depending upon the specific dry fertilizer blend and the emulsifiable concentrate application rates, it may be necessary to increase the fertilizer application rates to avoid over-saturating the dry fertilizer. Over-saturation can result in a mixture with poor flow properties and increase residues of **A3118.01** left in the blending equipment.

Spray nozzle selection and placement are critical for uniform spray coverage. The spray time is no less than 3 to 5 minutes per batch. Nozzle placement must minimize spray overlap in the blender and also avoid spraying the mixer walls. For best results, use a suitable in-line (no finer than 100 mesh) screen to avoid spray blockages. Any closed drum, belt, ribbon or other commonly used dry bulk fertilizer blender may be used.

Calculate amounts of **A3118.01** with the following formula:

$$\frac{2000}{\text{lb. of fertilizer per acre}} \times \text{oz/acre of A3118.01} = \text{oz of product per ton of fertilizer}$$

Example:

$$\frac{2000}{300 \text{ lb. of fertilizer per acre}} \times 0.45 \text{ oz/acre of A3118.01} = 3 \text{ oz of product per ton of fertilizer}$$

Note: Thoroughly clean dry fertilizer blending and application equipment prior to use with other herbicides. It is important to thoroughly clean the blender, herbicide spray tank, and spraying apparatus. Rinse the sides of the blender and the herbicide tank with water. Clean spraying apparatus prior to preparing fertilizer/herbicide mixtures for crops other than peanuts or soybeans (see Spray Equipment Clean Out Procedures). If the following crop is peanuts or soybeans, flushing may be accomplished by running one to two loads of dry fertilizer, which must be used only in peanuts or soybeans. Inspect the equipment carefully for any spray build-up or deposits from earlier batches and wash or remove as appropriate.

If the following crop is not peanuts or soybeans, at a minimum, two dry flush batches are required. Both flushes must fill at least 50% of the blender's capacity. A third flush may be necessary if the blender batch of **A3118.01** was "wet" due to over-saturating the fertilizer, or if the subsequent application is for a crop known to be highly sensitive to **A3118.01**.

Alternately, an effective cleaning procedure is rinsing the blenders with a bleach or ammonia solution. The resulting rinsate can be mixed with the fertilizer used for flushing, but at no more than 1 gallon of rinsate per ton of fertilizer.

Peanuts

(All States Except New Mexico, Oklahoma and Texas)

Apply with ground equipment using a standard low pressure (20 to 40 psi) herbicide sprayer equipped with nozzles that provide uniform spray coverage. For best results, use a spray volume of 10 gallons or more per acre for soil applications. Use sufficient spray volume to provide uniform coverage. Maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture. To avoid nozzle plugging, use in-line screens and nozzles greater than 50 mesh (50 mesh is greater in size opening than 100 mesh).

Application Rates and Broadleaf Weeds Controlled by Soil Applications

A3118.01 will not control known ALS resistant biotypes of weeds listed below. **Note:** Numbers in parentheses (-) refer to footnotes following table.

Weeds Controlled		A3118.01 oz/acre
Bristly starbur	Pennsylvania smartweed	0.45 (0.02 lb. ai)
Common cocklebur	prickly sida	
common lambsquarters	redroot pigweed	
common ragweed	smooth pigweed	
common sunflower	spurge species	
eclipta	spurred anoda	
devil's-claw	shining tickweed	
Florida beggarweed	tropic croton	
giant ragweed	velvetleaf	
morningglory species	Virginia copperleaf	
nutsedge species ^{1, 2}	wild poinsettia	
palmer amaranth		

¹Heavy infestations may require postemergence application of complimentary herbicides following a soil application of **A3118.01** for season-long control.

²The level of nutsedge control provided by **A3118.01** can vary depending upon weed density and soil or environmental conditions (especially soil moisture).

Application Methods for Soil Applications

A3118.01 may be used in various tillage programs including strip till, no till and conventional tillage operations. Application of **A3118.01** on soils with greater than 5% organic matter may result in reduced weed control and require subsequent postemergence applications of other herbicides appropriate for specific weeds. Do not use on peat or muck soils. Season-long control of severe weed infestations may require a postemergence application of complimentary herbicides following application of **A3118.01**.

For best results, apply to clean-tilled and weed-free fields. Apply **A3118.01** as close as possible to planting. If irrigation is available, immediately apply 0.25 to 0.5 inches of water (apply a minimum of 0.5 inches of water if soil conditions are dry). Cultivation, a tank mixture, or applications of postemergence herbicides may also be needed to achieve the desired level of control. If cultivation is required, it must be shallow to avoid excessive movement of treated soil and to avoid exposing weed seed buried deep within the soil.

Note: Environmental and soil factors can influence the performance and selectivity of any herbicide treatment. Rainfall of 0.5 inches or greater is required for optimum weed control by most soil herbicides, including **A3118.01**. When incorporated, **A3118.01** and other herbicides will perform most optimally when evenly distributed in the surface soil. When emergence of the planted crop is delayed due to unusually cool and/or wet conditions, factors such as pH, disease, and nutrient deficiencies can contribute to reduced crop tolerance to a soil-applied herbicide.

Preplant Incorporated Application: Apply **A3118.01** alone or in tank mix combination with other herbicides registered for preplant incorporated application to peanuts. Apply to a seedbed that is relatively free of clods. Incorporate the herbicide(s) into the top 1 to 3 inches of the final seedbed using equipment that provides thorough soil mixing. For best results, do not use a stalk chopper as an incorporation implement because poor weed control and/or crop injury can result. For optimum results, apply **A3118.01** at or just prior to planting. Proper moisture is needed to activate **A3118.01** and maintain weed control. When **A3118.01** is applied in tank mix combination with other herbicide(s), follow the incorporation directions for the tank mix partner(s). Follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture.

Preplant Surface Application: Apply **A3118.01** alone or in tank mix combination with other herbicide(s) registered for preplant soil surface application to peanuts. Apply to a seedbed that is relatively free of clods. For optimum results, apply **A3118.01** at or just prior to planting. Soil surface applications are not effective until rainfall or irrigation of at least 0.25 to 0.5 inches has moved **A3118.01** into soil where weed germination occurs. Under dry soil conditions, a minimum of 0.5 inches of water is necessary for initial activation of **A3118.01**. If rainfall is not anticipated, shallow incorporation (i.e., 2 inches deep) prior to planting must be done to place **A3118.01** in contact with germinating weeds. Even with incorporation, water is still needed for activation of **A3118.01**. If applied in tank mix combination, follow use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. For minimum-tillage, no tillage, or reduced tillage systems when weeds are present at the time of application, apply in a tank mix combination with a contact herbicide. **Note:** Reduced weed control in the planted row may occur if untreated soil is exposed during the planting operation if surface applications are not incorporated prior to planting.

Preemergence Application: Apply after planting through cracking. For optimum results, apply **A3118.01** at or near planting, prior to germination of weeds. Preemergence applications are not effective until rainfall or irrigation of at least 0.25 to 0.5 inches has moved **A3118.01** into the soil where weed germination occurs. Under dry soil conditions a minimum of 0.5 inches of water is necessary for initial activation of **A3118.01**. **A3118.01** may be applied alone or in tank mix combination with other herbicide(s) registered for preemergence application to peanuts. When applied in tank mix combination, follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. Do not rely on **A3118.01** for postemergence control of emerged weeds.

Burndown Application: When used as a no-till burndown application, **A3118.01** provides foliar control of specific broadleaf weeds (bristly starbur, common cocklebur, common and giant ragweed, common sunflower, Florida beggarweed, morningglory species, tropic croton, and velvetleaf) and residual control of broadleaf weeds listed above for soil applied applications. For optimum results, apply **A3118.01** within two weeks of planting. If applied as a burndown application in tank mix combination with another herbicide(s), use only adjuvants that are recommended for the tank mix partner(s). When tank mixing with other herbicide(s), a jar test for compatibility is always recommended (see Compatibility Testing in the Mixing section). When tank mixing with glyphosate and ammonium sulfate, add ammonium sulfate to the tank mixture before adding glyphosate.

Postemergence Application: Apply **A3118.01** as a broadcast spray when weeds are in the 1 to 4 leaf stage and actively growing. Applications made to larger weeds or to weeds under stress may result in unsatisfactory control. Optimum weed control is obtained by applying **A3118.01** under favorable growing conditions (i.e., adequate soil moisture and temperature). Applications may occur from peanut cracking through pegging.

A3118.01 may be applied alone or in tank mix combination with other postemergence herbicide(s) registered for use in peanuts. Applications of **A3118.01** must include either a crop oil concentrate or a nonionic surfactant.

Application Rates and Broadleaf Weeds Controlled by Postemergence Applications: **A3118.01** will not control known ALS resistant biotypes of weeds listed below.

Weeds Controlled	A3118.01 (oz/acre)
common cocklebur common ragweed Florida beggarweed hemp sesbania morningglory species nutsedge species prickly sida smartweed spurge species spurred anoda velvetleaf	0.15 - 0.45 (0.008 – 0.02 lb. ai)

Adjuvant Systems for Postemergence Application: Use in combination with one of the following adjuvant systems approved for application to growing crops:

- Nonionic surfactant (0.125 to 0.25% v/v)
- Nonionic surfactant (0.125 to 0.25% v/v) plus urea ammonium nitrate solution (2.5% v/v); dry ammonium sulfate may be used at a rate of 2 lb per acre as a substitute for urea ammonium nitrate.
- Crop oil concentrate or methylated seed oil (1.2% v/v)
- Crop oil concentrate or methylated seed oil (1.2% v/v) plus urea ammonium nitrate solution (2.5% v/v)

Note: Use of crop oil concentrate or methylated seed oil plus urea ammonium nitrate is preferred when weeds are under drought stress, but may increase crop injury.

Tank Mix Applications: When applied in tank mix combination with other herbicide(s), follow the most restrictive use instructions, including application rates, precautions and restrictions for each product used in the tank mixture, including use of adjuvants.

Minimum Tillage, No Tillage, Strip Tillage, or Other Reduced Tillage Systems

In these tillage systems where peanuts are planted directly into a cover crop, stale seedbed, or previous crop residues, a burndown herbicide may be tank mixed with **A3118.01** to control existing weeds. Do not rely on **A3118.01** for postemergence control of emerged weeds. Apply before, during (behind the planter), or after planting through cracking. If applying at cracking, insure that any tank mix partner being used is labeled for this application. When tank mixing with glyphosate and ammonium sulfate, add ammonium sulfate to the tank mixture before adding glyphosate.

A3118.01 Followed by Postemergence Application

Weeds and grasses not controlled by **A3118.01** may be controlled with postemergence herbicide products. Follow the postemergence manufacturer's label for application rates, weeds controlled, applicable use directions, precautions and limitations before use.

Use Restrictions:

- **Do not apply A3118.01 to peanuts in the states of New Mexico, Oklahoma and Texas.**
- Do not apply more than 0.45 oz (0.02 lb. ai) of **A3118.01** per acre per application.
- Do not apply more than 0.45 oz (0.02 lb. ai) of **A3118.01** per acre per year in any combination of preplant incorporated, preplant surface, preemergence through cracking, or postemergence applications.
- Do not make more than 3 applications per year when using reduced application rate of 0.15 oz/A (0.008 lb. ai/A).
- **Preharvest Interval:** Do not harvest for 30 days following application.
- For preplant incorporation applications, do not apply **A3118.01** more than four weeks before planting.

Soybeans

A3118.01 is a soil-applied product for control of broadleaf weeds in soybeans. A single preplant incorporated, preplant surface, or preemergence application may be made.

Apply with ground equipment using a standard low pressure (20 to 40 psi) herbicide sprayer equipped with nozzles that provide uniform spray coverage. For best results use a spray volume of 10 gallons or more per acre for soil applications. Use sufficient spray volume to provide uniform coverage. Maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture. To avoid nozzle plugging, use in-line screens and nozzles greater than 50 mesh (50 mesh is greater in size opening than 100 mesh).

Application Rates and Broadleaf Weeds Controlled by Soil Applications

A3118.01 will not control known ALS resistant biotypes of weeds listed below. **Note:** Numbers in parentheses (-) refer to footnotes following table.

Weeds Controlled		A3118.01 (oz/acre)
bristly starbur	Pennsylvania smartweed	0.45 – 0.6 (0.02 – 0.03 lb. ai)
common cocklebur	prickly sida	
common lambsquarters	redroot pigweed	
common ragweed	smooth pigweed	
common sunflower	spurge species	
eclipta	spurred anoda	
devil's-claw	shining tickweed	
Florida beggarweed	tropic croton	
giant ragweed	velvetleaf	
morningglory species	Virginia copperleaf	
nutsedge species ^{1,2}	wild poinsetta	
palmer amaranth		

¹Heavy infestations may require postemergence application of complimentary herbicides following a soil application of **A3118.01** for season-long control.

²The level of nutsedge control provided by **A3118.01** can vary depending upon weed density and soil or environmental conditions (especially soil moisture).

Application Methods for Soil Applications

A3118.01 may be used in various tillage programs including strip till, no till and conventional tillage operations. Application of **A3118.01** on soils with greater than 5% organic matter may result in reduced weed control and require subsequent postemergence applications of other herbicides appropriate for specific weeds. Do not use on peat or muck soils. Season-long control of severe weed infestations may require a postemergence application of complimentary herbicides following application of **A3118.01**.

For best results, apply to clean-tilled and weed-free fields. Apply **A3118.01** as close as possible to planting. If irrigation is available, immediately apply 0.25 to 0.5 inches of water (apply a minimum of 0.5 inches of water if soil conditions are dry). Cultivation, a tank mixture, or applications of postemergence herbicides may also be needed to achieve the desired level of control. If cultivation is required, it must be shallow to avoid excessive movement of treated soil and to avoid exposing weed seed buried deep within the soil.

Note: Environmental and soil factors can influence the performance and selectivity of any herbicide treatment. Rainfall of 0.5 inches or greater is required for optimum weed control by most soil herbicides, including **A3118.01**. When incorporated, **A3118.01** and other herbicides will perform most optimally when evenly distributed in the surface soil. When emergence of the planted crop is delayed due to unusually cool and/or wet conditions, factors such as pH, disease, and nutrient deficiencies can contribute to reduced crop tolerance to a soil-applied herbicide.

Area of Use: Use of **A3118.01** in soybeans is limited to the following states: Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri (bootheel only), New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia. Do not apply **A3118.01** in soybeans in other geographic areas.

Preplant Incorporated Application: Apply **A3118.01** alone or in tank mix combination with other herbicides registered for preplant incorporated application to soybeans. Apply to a seedbed that is relatively free of clods. Incorporate the herbicide(s) into the top 1 to 3 inches of the final seedbed using equipment that provides thorough soil mixing. For optimum results, apply **A3118.01** at or just prior to planting. Proper moisture is needed to activate **A3118.01** and maintain weed control. When **A3118.01** is applied in tank mix combination with other herbicide(s), follow the incorporation directions for the tank mix partner(s). Follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture.

Preplant Surface Application: Apply **A3118.01** alone or in tank mix combination with other herbicide(s) registered for preplant soil surface application to soybeans. Apply to a seedbed that is relatively free of clods. For optimum results, apply **A3118.01** at or just prior to planting. Soil surface applications are not effective until rainfall or irrigation of at least 0.25 to 0.5 inches has moved **A3118.01** into soil where weed germination occurs. Under dry soil conditions, a minimum of 0.5 inches of water is necessary for initial activation of **A3118.01**. If rainfall is not anticipated, shallow incorporation (i.e., 2 inches deep) prior to planting must be done to place **A3118.01** in contact with germinating weeds. Even with incorporation, water is still needed for activation of **A3118.01**. If applied in tank mix combination, follow use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. For minimum-tillage, no tillage or reduced tillage systems when weeds are present at the time of application, apply in a tank mix combination with a contact herbicide such as glyphosate. **Note:** Reduced weed control in the planted row may occur if untreated soil is exposed during the planting operation if surface applications are not incorporated prior to planting.

Preemergence Application: Apply after planting but prior to crop or weed emergence. For optimum results, apply **A3118.01** at or near planting, prior to germination of weeds and emergence of the crop. Preemergence applications are not effective until rainfall or irrigation of at least 0.25 to 0.5 inches has moved **A3118.01** into the soil where weed germination occurs. Under dry soil conditions a minimum of 0.5 inches of water is necessary for initial activation of **A3118.01**. **A3118.01** may be applied alone or in tank mix combination with other herbicide(s) registered for preemergence application to soybeans. When applied in tank mix combination, follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. Do not rely on **A3118.01** for postemergence control of emerged weeds.

Burndown Application: When used as a no-till burndown application, **A3118.01** provides foliar control of specific broadleaf weeds (bristly starbur, common cocklebur, common and giant ragweed, common sunflower, Florida beggarweed, morningglory species, tropic croton, and velvetleaf) and residual control of broadleaf weeds listed above for soil applied applications. For optimum results, apply **A3118.01** within two weeks of planting. If applied as a burndown application in tank mix combination with another herbicide(s), use only adjuvants that are recommended for the tank mix partner(s). When tank mixing with other herbicide(s), a jar test for compatibility is always recommended (see Compatibility Testing in the Mixing section). When tank mixing with glyphosate and ammonium sulfate, add ammonium sulfate to the tank mixture before adding glyphosate.

Minimum Tillage, No Tillage, Strip Tillage, or Other Reduced Tillage Systems

In these tillage systems where soybeans are planted directly into a cover crop, stale seedbed, or previous crop residues, a contact herbicide [such as Starfire or Roundup] may be tank mixed with **A3118.01** to control existing weeds. Apply before, during (behind the planter), or after planting, but before the crop emerges. When tank mixing with glyphosate and ammonium sulfate, add ammonium sulfate to the tank mixture before adding glyphosate.

A3118.01 Followed by Postemergence Application

Weeds and grasses not controlled by **A3118.01** may be controlled with postemergence herbicide products. Follow the postemergence manufacturer's labels for application rates, weeds controlled, applicable use directions, precautions and limitations before use.

Use Restrictions:

- Do not apply more than 0.6 oz (0.03 lb. ai) of **A3118.01** per acre per application.
- Do not apply more than 0.6 oz (0.03 lb. ai) of **A3118.01** per acre per year as a preplant incorporated, preplant surface, or preemergence application.
- Only a single soil application per growing season may be made in soybeans.
- **Preharvest Interval:** Do not harvest for 125 days following application.
- For preplant incorporation applications, do not apply **A3118.01** more than four weeks before planting.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

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:

[Bag: Nonrefillable outer bag. Do not reuse or refill the outer bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.]

[Plastic Container: 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 $\frac{1}{4}$ 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 incineration, or by other procedures allowed by state and local authorities.]

[Non-refillable fiber drums with PE liners: Nonrefillable container. DO NOT reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into formulation equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill, or by other procedures approved by state and local authorities. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.]

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, 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.

[A3118.01 is a trademark of Atticus, LLC]

[Strongarm® is a registered trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.]

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

DICLOSULAM	GROUP	2	HERBICIDE
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A3118.01™

[Alternate Brand Name: Trumark]

[Contains diclosulam, the active ingredient used in Strongarm®.]

[HERBICIDE]

For broadleaf weed control in [peanuts] [and] [soybeans]

ACTIVE INGREDIENT: (% by weight)

diclosulam: N-(2,6-dichlorophenyl)-5-ethoxy-7-fluoro[1,2,4]triazolo-[1,5-c]pyrimidine-2-sulfonamide.....84.0%

OTHER INGREDIENTS:.....16.0%

TOTAL 100.0%

Contains 0.84 lb of active ingredient per pound of product.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none">Take off contaminated clothing.Rinse skin immediately with plenty of water for 15-20 minutes.Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none">Hold eye open and rinse slowly and gently with water for 15-20 minutes.Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

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 CAUTION

Causes Moderate Eye Irritation. Harmful If Absorbed Through Skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or when disposing of equipment washwaters or rinsate.

This chemical and its transformation products demonstrate the properties and characteristics associated with chemicals detected in ground water. The

use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

This chemical can contaminate surface water through spray drift.

Under some conditions, this chemical, and/or its transformation products, may have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several weeks post-application. Vulnerable conditions include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas over-laying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

PHYSICAL AND CHEMICAL HAZARDS: Do not mix or allow coming in contact

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

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:

[Bag: Nonrefillable outer bag. Do not reuse or refill the outer bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.]

[Plastic Container: 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 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 incineration, or by other procedures allowed by state and local authorities.]

[Non-refillable fiber drums with PE liners: Nonrefillable container. DO NOT reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into formulation equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill, or by other procedures approved by state and local authorities. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.]

with oxidizing and reducing agents. Hazardous chemical reaction may occur.

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

[A3118.01 is not manufactured, or distributed by Corteva Agriscience United States, seller of Strongarm®.]

Manufactured for:
Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

EPA Reg. No.: 91234-360
EPA Est. No.: _____
NET CONTENTS: _____

{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: Water Soluble Packets

DICLOSULAM	GROUP	2	HERBICIDE
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A3118.01 [™]

[Alternate Brand Name: Trumark]

[Contains diclosulam, the active ingredient used in Strongarm®.]

[HERBICIDE]

For broadleaf weed control in [peanuts] [and] [soybeans]

ACTIVE INGREDIENT:

(% by weight)

diclosulam:

N-(2,6-dichlorophenyl)-5-ethoxy-7-fluoro[1,2,4]triazolo-[1,5-c]pyrimidine-2-sulfonamide..... 84.0%

OTHER INGREDIENTS: 16.0%

TOTAL 100.0%

Contains 0.84 lb of active ingredient per pound of product.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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.)

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

[See inside label booklet for First Aid, [additional] Precautionary Statements, and Directions for Use.]

[See below for additional Precautionary Statements]

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

[A3118.01 is not manufactured, or distributed by Corteva Agriscience United States, seller of Strongarm®.]

EPA Reg. No.: 91234-360

EPA Est. No.:

Net Contents:

Manufactured for:

Atticus, LLC

940 NW Cary Parkway, Suite 200

Cary, NC 27513

{LANGUAGE INSIDE BOOKLET}

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

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

CAUTION

Causes Moderate Eye Irritation. Harmful If Absorbed Through Skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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 STATEMENT

Water soluble packets, when used correctly, qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks, a chemical-resistant apron, and chemical-resistant gloves. When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down."

User Safety Recommendations

Users should:

- 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 clothing.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or when disposing of equipment washwaters or rinsate.

This chemical and its transformation products demonstrate the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

This chemical can contaminate surface water through spray drift.

Under some conditions, this chemical, and/or its transformation products, may have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several weeks post-application. Vulnerable conditions include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas over-laying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

Physical and Chemical Hazards

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

{NOTE TO REVIEWER: Registrant may add the following state restriction statement as required throughout. (e.g. NOT FOR USE IN CALIFORNIA)}

[NOT FOR USE IN _____]

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Read all Directions for Use carefully before applying.

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

Agricultural Use Requirements

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

- Coveralls
- Waterproof gloves
- Shoes plus socks

Product Information

A3118.01 is a soil-applied product for control of broadleaf weeds in peanuts and soybeans. **A3118.01** may be applied preplant incorporated, preplant surface, or preemergence through cracking in peanuts. "Cracking" of soil occurs when soil is displaced by germinating seedlings just prior to emergence. **A3118.01** may also be used postemergence in peanuts. A single postemergence application may be made in peanuts.

Use Precautions

- Read and carefully follow all applicable directions, precautions and restrictions on labeling for other products used in combination with **A3118.01**.
- This product must be used in a manner that will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.
- **Iron Chlorosis:** There are isolated areas of the country where soil-induced iron chlorosis routinely occurs. Severity of iron chlorosis symptoms may increase when **A3118.01** is soil applied in areas with a history of soil-induced iron chlorosis or other nutrient induced crop injury.

Use Restrictions

- Aerial application of this product is prohibited.
- Do not allow livestock to graze treated areas or harvest forage or hay from treated areas.
- **Chemigation:** Do not apply this product through any type of irrigation system.
- Do not use flood irrigation to apply or incorporate this product.

Instructions for Using Water Soluble Packages Directly into Spray tanks:

Water Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs. WSPs, when used properly, qualify as a closed mixing/loading system under the Agricultural Worker Protection Standard [40 CFR 170.607(d)].

Handling Instructions

Follow these steps when handling pesticide products in WSPs.

1. Mix in spray tank only.

2. Handle WSP(s) in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on PPE required for clean-up and then continue with mixing instructions.
3. Keep the WSP(s) in outer packaging until just before use.
4. Keep the WSP dry prior to adding to the spray tank.
5. Handle with dry gloves and according to the label instructions for PPE.
6. Keep WSP intact. Do not cut or puncture WSP.
7. Reseal the WSP outer packaging to protect any unused WSP(s).

Proper Handling Instructions

This product may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas.

Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 feet of any well are prohibited unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or washwater, and rainwater that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above specific minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Avoid all direct or indirect contact with non-target plants. Do not apply near desirable vegetation and allow adequate distance between target area and desirable plants to minimize exposure.

Do not apply under conditions that favor runoff or wind erosion of soil containing A3118.01 to non-target areas.

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

- Avoid treating powdery dry or light sandy soils when conditions are favorable for wind erosion. Under these conditions, allow the soil surface to first be settled by rainfall or irrigation.
- Do not apply to impervious substrates such as paved or highly compacted surfaces or frozen or snow covered ground.
- Do not apply to soils when saturated with water.
- Do not use water from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.

Do not apply when weather conditions favor drift to non-target sites. To minimize spray drift to non-target areas:

- Use low pressure application equipment capable of producing a large droplet spray.
- Do not use nozzles that produce a fine droplet spray.
- Minimize drift by using sufficient spray volume to ensure adequate coverage with large droplet size sprays.
- Keep ground-driven spray boom as low as possible above the target surface.
- Spray when conditions are calm or wind speed is low. Do not spray when wind is gusting or steady wind speed is greater than 10 mph.

Crop Rotation Intervals

Numbers in parentheses (-) refer to Specific Crop Rotation Information.

Crop	Rotation Interval ¹ (Months)
soybeans, peanuts	no restriction
wheat, barley	4
oats, rye	6
snap beans	9
Cotton ^{2, 5}	10 ⁵
Corn ³ , rice, tobacco, sorghum	18
sugar beets, sunflowers and other crops not listed	30 ⁴

Specific Crop Rotation Information:

¹Minimum number of months that must pass before planting other crops after application of **A3118.01** at up to 0.45 oz per acre in peanuts or soybeans.

²**A3118.01** applied at greater than 0.45 oz per acre, as may occur with boom overlap or at field ends where spray equipment has slowed, may cause injury to rotational cotton the following season. Soils with a shallow hardpan (less than 10 inches) and/or loam soils may be more prone to carryover. Additionally, cotton grown under early season stress resulting from conditions such as excessively cool, wet, dry or crusted soils, may be particularly susceptible to rotational injury.

³The crop rotation interval for corn hybrids identified as “IR” is 10 months.

⁴Rotation to sugar beets, sunflowers, and all other crops not listed requires a 30-month rotation interval and a successful field bioassay.

⁵In North Carolina, the crop rotation interval for cotton is 18 months in the counties of Camden, Currituck, Pasquotank and Perquimans. In all other counties in North Carolina, the crop rotation interval for cotton is 10 months.

Field Bioassay Instructions: Using typical tillage, seeding practices, and timings for the particular crop, plant several strips of the desired crop variety across the field previously treated with **A3118.01**. Plant the strips perpendicular to the direction in which **A3118.01** was applied. Locate the strips so that different field conditions are encountered, including differences in soil texture, pH, and drainage. If the crop does not show visible symptoms of injury, stand reduction, or yield reduction, the field can be seeded with the test crop in the growing season following the bioassay. If visible injury, stand reduction, or yield reduction occurs, the test crop must not be seeded, and the bioassay must be repeated the next growing season.

Mixing

Application Rate (oz/acre)	Acres per Individual Bubble Packet
0.15	0.75
0.3	1.5
0.45	1
0.5	0.9
0.55	0.82
0.6	0.75

Formula: Acres to be treated ÷ acres/packet = number of packets

Sample Calculation:

Acres to be treated = 31

Rate needed = 0.3 oz per acre

Acres/packet = 1.5 acres per packet

31 acres ÷ 1.5 acres per packet = 20.66 packets (20.66 packets rounded up to nearest whole number of packets = 21 packets)

Mixing Instructions

Follow the steps below when mixing this product, including if tank mixed with other pesticide products. If being tank mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products. WSPs may, in some cases, be mixed with other pesticide products so long as the directions for use of all mixed products do not conflict. Do not tank mix this product with products that prohibit tank mixing or have conflicting mixing directions.

1. If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
2. Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
3. Stop adding water and stop any agitation.
4. Place intact/unopened WSP(s) into the tank.
5. Do not spray water from a hose or fill pipe to break or dissolve the WSP(s).
6. Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
7. Dissolving the WSP(s) may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
8. Stop agitation before tank lid is opened.
9. Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSPs have fully dissolved and the contents have been thoroughly mixed into the solution.
10. Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
11. Once the WSP have fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
12. Use the spray solution when mixing is complete.
13. Maintain agitation of the diluted pesticide mix during transport and application.
14. It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

Vigorous, continuous agitation during mixing, filling and throughout application is required for all tank mixes. Sparger type agitators generally provide the most effective agitation in spray tanks. To prevent foaming in the spray tank, avoid stirring or splashing air into the spray mixture.

If application or agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be thoroughly agitated to resuspend the mixture before spraying is resumed. A sparger agitator is particularly useful for this purpose. Settled material may be more difficult to resuspend than when originally mixed.

Tank Mixing Precautions:

- It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.
- Do not exceed specified application rates for respective products or maximum allowable application rates for any active ingredient in the tank mix.

- Do not tank mix with products containing boron or mix in equipment previously used to apply a product mixture containing boron unless the tank and spray equipment have been adequately cleaned. (See Spray Equipment Clean-Out Procedures.)
- Always perform a (jar) test to ensure the compatibility of products to be used in tank mixture.

Tank Mix Compatibility Testing: A jar test is recommended prior to tank mixing to ensure compatibility of **A3118.01** and other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-up, forms flakes, sludges, jels, oily films or layers, or other precipitates, it is not compatible. Do not use the tank mix combination.

Spray Equipment Clean-Out Procedures

1. Drain any remaining spray mixture from the application equipment.
2. Hose down the interior surfaces of the tank while filling the tank 1/2 full with water.
3. Add household ammonia at a rate of 1 gallon per 100 gallons of water. Recirculate for 5 minutes and spray out part of this mixture for 5 minutes through the boom. Drain tank.
4. Remove all spray nozzles and screens and clean separately.
5. If spray equipment will be used for pesticide application to crops sensitive to **A3118.01**, repeat steps 1 to 3. Exterior surfaces of spray equipment must also be thoroughly cleaned.
6. Rinsate may be disposed of on site according to label use directions or at an approved waste disposal facility.

Application with Dry Bulk Fertilizer (Soil Application Only)

Dry bulk fertilizer may be impregnated or coated with **A3118.01**. Soil applications of dry bulk fertilizer impregnated with **A3118.01** provides weed control equal to the same rates of **A3118.01** applied in liquid carriers. Follow label directions for **A3118.01** regarding rates per acre, special instructions, precautions and limitations for soil application.

Most absorbent dry fertilizers can be used for impregnation with **A3118.01**. Pure ammonium nitrate and/or limestone will not absorb the herbicide and are not suitable for impregnation with **A3118.01**. Absorbent fertilizer blends containing a mixture of ammonium nitrate and/or limestone as part of the fertilizer mixture may be impregnated.

Apply 300 to 700 lb of fertilizer/herbicide mixture per acre. Apply the mixture uniformly to the soil with properly calibrated equipment immediately after blending. Uniform application of the herbicide/fertilizer mixture is essential for satisfactory weed control and to prevent possible crop injury. Non-uniform application may result in unsatisfactory weed control. In areas where conventional tillage is practiced, a shallow soil incorporation of the mixture may improve weed control.

Compliance with all federal and state regulations relating to blending pesticide mixtures with dry bulk fertilizer, registration, labeling and application are the responsibility of the individual and/or company offering the fertilizer and chemical mixture for sale.

Impregnation

A3118.01 must be pre-mixed with water to form a slurry prior to impregnation of dry bulk fertilizer. For best results, use a minimum of 6 fl oz of water for each individual 0.45 oz water soluble packet of product. Pre-mixing can be accomplished by shaking the water soluble packets and water together in a closed container. A small amount of a silicon-based defoaming agent may also be needed. Make sure **A3118.01** is completely and uniformly dispersed in water and the water soluble packet has completely dissolved. Add sufficient water to adjust the total volume of the mixture to deliver a spray volume of 0.5 to 1 gallon of fertilizer per ton. Nozzles used to spray **A3118.01** onto the fertilizer must be placed to provide uniform spray coverage. Use constant agitation to keep the spray mixture suspended.

Herbicide Combinations with A3118.01 on Dry Bulk Fertilizer

To prepare concentrated tank mixtures of **A3118.01** with emulsifiable concentrate formulations, the **A3118.01**/water pre-mix must be added to the liquid mixing tank first. If additional water is required, this must be added next, followed by the emulsifiable concentrate. Care must be taken to avoid over-saturating the dry fertilizer with liquid. For this reason the volume of water in the mixing tank must be roughly equivalent to the volume of emulsifiable concentrate added to the mixing tank. Depending upon the specific dry fertilizer blend and the emulsifiable concentrate application rates, it may be necessary to increase the fertilizer application rates to avoid over-saturating the dry fertilizer. Over-saturation can result in a mixture with poor flow properties and increase residues of **A3118.01** left in the blending equipment.

Spray nozzle selection and placement are critical for uniform spray coverage. The spray time is no less than 3 to 5 minutes per batch. Nozzle placement must minimize spray overlap in the blender and also avoid spraying the mixer walls. For best results, use a suitable in-line (no finer than 100 mesh) screen to avoid spray blockages. Any closed drum, belt, ribbon or other commonly used dry bulk fertilizer blender may be used.

Calculate amounts of **A3118.01** with the following formula:

$$\frac{2000}{\text{lb. of fertilizer per acre}} \times \text{oz/acre of A3118.01} = \text{oz of product per ton of fertilizer}$$

Example:

$$\frac{2000}{300 \text{ lb. of fertilizer per acre}} \times 0.45 \text{ oz/acre of A3118.01} = 3 \text{ oz of product per ton of fertilizer}$$

Note: Thoroughly clean dry fertilizer blending and application equipment prior to use with other herbicides. It is important to thoroughly clean the blender, herbicide spray tank, and spraying apparatus. Rinse the sides of the blender and the herbicide tank with water. Clean spraying apparatus prior to preparing fertilizer/herbicide mixtures for crops other than peanuts or soybeans (see Spray Equipment Clean Out Procedures). If the following crop is peanuts or soybeans, flushing may be accomplished by running one to two loads of dry fertilizer, which must be used only in peanuts or soybeans. Inspect the equipment carefully for any spray build-up or deposits from earlier batches and wash or remove as appropriate.

If the following crop is not peanuts or soybeans, at a minimum, two dry flush batches are required. Both flushes must fill at least 50% of the blender's capacity. A third flush may be necessary if the blender batch of **A3118.01** was "wet" due to over-saturating the fertilizer, or if the subsequent application is for a crop known to be highly sensitive to **A3118.01**.

Alternately, an effective cleaning procedure is rinsing the blenders with a bleach or ammonia solution. The resulting rinsate can be mixed with the fertilizer used for flushing, but at no more than 1 gallon of rinsate per ton of fertilizer.

Peanuts

(All States Except New Mexico, Oklahoma and Texas)

Apply with ground equipment using a standard low pressure (20 to 40 psi) herbicide sprayer equipped with nozzles that provide uniform spray coverage. For best results, use a spray volume of 10 gallons or more per acre for soil applications. Use sufficient spray volume to provide uniform coverage. Maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture. To avoid nozzle plugging, use in-line screens and nozzles greater than 50 mesh (50 mesh is greater in size opening than 100 mesh).

Application Rates and Broadleaf Weeds Controlled by Soil Applications

A3118.01 will not control known ALS resistant biotypes of weeds listed below. **Note:** Numbers in parentheses (-) refer to footnotes following table.

Weeds Controlled		A3118.01 (oz/acre)
Bristly starbur	Pennsylvania smartweed	0.45 (0.02 lb. ai)
Common cocklebur	prickly sida	
common lambsquarters	redroot pigweed	
common ragweed	smooth pigweed	
common sunflower	spurge species	
eclipta	spurred anoda	
devil's-claw	shining tickweed	
Florida beggarweed	tropic croton	
giant ragweed	velvetleaf	
morningglory species	Virginia copperleaf	
nutsedge species ^{1, 2}	wild poinsettia	
palmer amaranth		

¹Heavy infestations may require postemergence application of complimentary herbicides following a soil application of **A3118.01** for season-long control.

²The level of nutsedge control provided by **A3118.01** can vary depending upon weed density and soil or environmental conditions (especially soil moisture).

Application Methods for Soil Applications

A3118.01 may be used in various tillage programs including strip till, no till and conventional tillage operations. Application of **A3118.01** on soils with greater than 5% organic matter may result in reduced weed control and require subsequent postemergence applications of other herbicides appropriate for specific weeds. Do not use on peat or muck soils. Season-long control of severe weed infestations may require a postemergence application of complimentary herbicides following application of **A3118.01**.

For best results, apply to clean-tilled and weed-free fields. Apply **A3118.01** as close as possible to planting. If irrigation is available, immediately apply 0.25 to 0.5 inches of water (apply a minimum of 0.5 inches of water if soil conditions are dry). Cultivation, a tank mixture, or applications of postemergence herbicides may also be needed to achieve the desired level of control. If cultivation is required, it must be shallow to avoid excessive movement of treated soil and to avoid exposing weed seed buried deep within the soil.

Note: Environmental and soil factors can influence the performance and selectivity of any herbicide treatment. Rainfall of 0.5 inches or greater is required for optimum weed control by most soil herbicides, including **A3118.01**. When incorporated, **A3118.01** and other herbicides will perform most optimally when evenly distributed in the surface soil. When emergence of the planted crop is delayed due to unusually cool and/or wet conditions, factors such as pH, disease, and nutrient deficiencies can contribute to reduced crop tolerance to a soil-applied herbicide.

Preplant Incorporated Application: Apply **A3118.01** alone or in tank mix combination with other herbicides registered for preplant incorporated application to peanuts. Apply to a seedbed that is relatively free of clods. Incorporate the herbicide(s) into the top 1 to 3 inches of the final seedbed using equipment that provides thorough soil mixing. For best results, do not use a stalk chopper as an incorporation implement because poor weed control and/or crop injury can result. For optimum results, apply **A3118.01** at or just prior to planting. Proper moisture is needed to activate **A3118.01** and maintain weed control. When **A3118.01** is applied in tank mix combination with other herbicide(s), follow the incorporation directions for the tank mix partner(s). Follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture.

Preplant Surface Application: Apply **A3118.01** alone or in tank mix combination with other herbicide(s) registered for preplant soil surface application to peanuts. Apply to a seedbed that is relatively free of clods. For optimum results, apply **A3118.01** at or just prior to planting. Soil surface applications are not effective until rainfall or irrigation of at least 0.25 to 0.5 inches has moved **A3118.01** into soil where weed germination occurs. Under dry soil conditions, a minimum of 0.5 inches of water is necessary for initial activation of **A3118.01**. If rainfall is not anticipated, shallow incorporation (i.e., 2 inches deep) prior to planting must be done to place **A3118.01** in contact with germinating weeds. Even with incorporation, water is still needed for activation of **A3118.01**. If applied in tank mix combination, follow use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. For minimum-tillage, no tillage, or reduced tillage systems when weeds are present at the time of application, apply in a tank mix combination with a contact herbicide. **Note:** Reduced weed control in the planted row may occur if untreated soil is exposed during the planting operation if surface applications are not incorporated prior to planting.

Preemergence Application: Apply after planting through cracking. For optimum results, apply **A3118.01** at or near planting, prior to germination of weeds. Preemergence applications are not effective until rainfall or irrigation of at least 0.25 to 0.5 inches has moved **A3118.01** into the soil where weed germination occurs. Under dry soil conditions a minimum of 0.5 inches of water is necessary for initial activation of **A3118.01**. **A3118.01** may be applied alone or in tank mix combination with other herbicide(s) registered for preemergence application to peanuts. When applied in tank mix combination, follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. Do not rely on **A3118.01** for postemergence control of emerged weeds.

Burndown Application: When used as a no-till burndown application, **A3118.01** provides foliar control of specific broadleaf weeds (bristly starbur, common cocklebur, common and giant ragweed, common sunflower, Florida beggarweed, morningglory species, tropic croton, and velvetleaf) and residual control of broadleaf weeds listed above for soil applied applications. For optimum results, apply **A3118.01** within two weeks of planting. If applied as a burndown application in tank mix combination with another herbicide(s), use only adjuvants that are recommended for the tank mix partner(s). When tank mixing with other herbicide(s), a jar test for compatibility is always recommended (see Compatibility Testing in the Mixing section). When tank mixing with glyphosate and ammonium sulfate, add ammonium sulfate to the tank mixture before adding glyphosate.

Postemergence Application: Apply **A3118.01** as a broadcast spray when weeds are in the 1 to 4 leaf stage and actively growing. Applications made to larger weeds or to weeds under stress may result in unsatisfactory control. Optimum weed control is obtained by applying **A3118.01** under favorable growing conditions (i.e., adequate soil moisture and temperature). Applications may occur from peanut cracking through pegging.

A3118.01 may be applied alone or in tank mix combination with other postemergence herbicide(s) registered for use in peanuts. Applications of **A3118.01** must include either a crop oil concentrate or a nonionic surfactant.

Application Rates and Broadleaf Weeds Controlled by Postemergence Applications: **A3118.01** will not control known ALS resistant biotypes of weeds listed below.

Weeds Controlled	A3118.01 (oz/acre)
common cocklebur common ragweed Florida beggarweed hemp sesbania morningglory species nutsedge species prickly sida smartweed spurge species spurred anoda velvetleaf	0.15 - 0.45 (0.008 – 0.02 lb. ai)

Adjuvant Systems for Postemergence Application: Use in combination with one of the following adjuvant systems approved for application to growing crops:

- Nonionic surfactant (0.125 to 0.25% v/v)
- Nonionic surfactant (0.125 to 0.25% v/v) plus urea ammonium nitrate solution (2.5% v/v); dry ammonium sulfate may be used at a rate of 2 lb per acre as a substitute for urea ammonium nitrate.
- Crop oil concentrate or methylated seed oil (1.2% v/v)
- Crop oil concentrate or methylated seed oil (1.2% v/v) plus urea ammonium nitrate solution (2.5% v/v)

Note: Use of crop oil concentrate or methylated seed oil plus urea ammonium nitrate is preferred when weeds are under drought stress, but may increase crop injury.

Tank Mix Applications: When applied in tank mix combination with other herbicide(s), follow the most restrictive use instructions, including application rates, precautions and restrictions for each product used in the tank mixture, including use of adjuvants.

Minimum Tillage, No Tillage, Strip Tillage, or Other Reduced Tillage Systems

In these tillage systems where peanuts are planted directly into a cover crop, stale seedbed, or previous crop residues, a burndown herbicide may be tank mixed with **A3118.01** to control existing weeds. Do not rely on **A3118.01** for postemergence control of emerged weeds. Apply before, during (behind the planter), or after planting through cracking. If applying at cracking, insure that any tank mix partner being used is labeled for this application. When tank mixing with glyphosate and ammonium sulfate, add ammonium sulfate to the tank mixture before adding glyphosate.

A3118.01 Followed by Postemergence Application

Weeds and grasses not controlled by **A3118.01** may be controlled with postemergence herbicide products. Follow the postemergence manufacturer's label for application rates, weeds controlled, applicable use directions, precautions and limitations before use.

Use Restrictions:

- **Do not apply A3118.01 to peanuts in the states of New Mexico, Oklahoma and Texas.**
- Do not apply more than 0.45 oz (0.02 lb. ai) of **A3118.01** per acre per application.
- Do not apply more than 0.45 oz (0.02 lb. ai) of **A3118.01** per acre per year in any combination of preplant incorporated, preplant surface, preemergence through cracking, or postemergence applications.
- Do not make more than 3 applications per year when using reduced application rate of 0.15 oz/A (0.008 lb. ai/A).

- **Preharvest Interval:** Do not harvest for 30 days following application.
- For preplant incorporation applications, do not apply **A3118.01** more than four weeks before planting.
- Do not apply **A3118.01** to peanuts in the states of New Mexico, Oklahoma and Texas.

Soybeans

A3118.01 is a soil-applied product for control of broadleaf weeds in soybeans. A single preplant incorporated, preplant surface, or preemergence application may be made.

Apply with ground equipment using a standard low pressure (20 to 40 psi) herbicide sprayer equipped with nozzles that provide uniform spray coverage. For best results use a spray volume of 10 gallons or more per acre for soil applications. Use sufficient spray volume to provide uniform coverage. Maintain sufficient agitation during mixing and spraying to ensure a uniform spray mixture. To avoid nozzle plugging, use in-line screens and nozzles greater than 50 mesh (50 mesh is greater in size opening than 100 mesh).

Application Rates and Broadleaf Weeds Controlled by Soil Applications

A3118.01 will not control known ALS resistant biotypes of weeds listed below. Note: Numbers in parentheses (-) refer to footnotes following table.

Weeds Controlled		A3118.01 (oz/acre)
bristly starbur	Pennsylvania smartweed	0.45 – 0.6 (0.02 – 0.03 lb. ai)
common cocklebur	prickly sida	
common lambsquarters	redroot pigweed	
common ragweed	smooth pigweed	
common sunflower	spurge species	
eclipta	spurred anoda	
devil's-claw	shining tickweed	
Florida beggarweed	tropic croton	
giant ragweed	velvetleaf	
morningglory species	Virginia copperleaf	
nutsedge species ^{1,2}	wild poinsetta	
palmer amaranth		

¹Heavy infestations may require postemergence application of complimentary herbicides following a soil application of **A3118.01** for season-long control.

²The level of nutsedge control provided by **A3118.01** can vary depending upon weed density and soil or environmental conditions (especially soil moisture).

Application Methods for Soil Applications

A3118.01 may be used in various tillage programs including strip till, no till and conventional tillage operations. Application of **A3118.01** on soils with greater than 5% organic matter may result in reduced weed control and require subsequent postemergence applications of other herbicides appropriate for specific weeds. Do not use on peat or muck soils. Season-long control of severe weed infestations may require a postemergence application of complimentary herbicides following application of **A3118.01**.

For best results, apply to clean-tilled and weed-free fields. Apply **A3118.01** as close as possible to planting. If irrigation is available, immediately apply 0.25 to 0.5 inches of water (apply a minimum of 0.5 inches of water if soil conditions are dry). Cultivation, a tank mixture, or applications of postemergence herbicides may also be needed to achieve the desired level of control. If cultivation is required, it should be must to avoid excessive movement of treated soil and to avoid exposing weed seed buried deep within the soil.

Note: Environmental and soil factors can influence the performance and selectivity of any herbicide treatment. Rainfall of 0.5 inches or greater is required for optimum weed control by most soil herbicides, including **A3118.01**.

When incorporated, **A3118.01** and other herbicides will perform most optimally when evenly distributed in the surface soil. When emergence of the planted crop is delayed due to unusually cool and/or wet conditions, factors such as pH, disease, and nutrient deficiencies can contribute to reduced crop tolerance to a soil-applied herbicide.

Area of Use: Use of **A3118.01** in soybeans is limited to the following states: Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri (bootheel only), New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia. Do not apply **A3118.01** in soybeans in other geographic areas.

Preplant Incorporated Application: Apply **A3118.01** alone or in tank mix combination with other herbicides registered for preplant incorporated application to soybeans. Apply to a seedbed that is relatively free of clods. Incorporate the herbicide(s) into the top 1 to 3 inches of the final seedbed using equipment that provides thorough soil mixing. For optimum results, apply **A3118.01** at or just prior to planting. Proper moisture is needed to activate **A3118.01** and maintain weed control. When **A3118.01** is applied in tank mix combination with other herbicide(s), follow the incorporation directions for the tank mix partner(s). Follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture.

Preplant Surface Application: Apply **A3118.01** alone or in tank mix combination with other herbicide(s) registered for preplant soil surface application to soybeans. Apply to a seedbed that is relatively free of clods. For optimum results, apply **A3118.01** at or just prior to planting. Soil surface applications are not effective until rainfall or irrigation of at least 0.25 to 0.5 inches has moved **A3118.01** into soil where weed germination occurs. Under dry soil conditions, a minimum of 0.5 inches of water is necessary for initial activation of **A3118.01**. If rainfall is not anticipated, shallow incorporation (i.e., 2 inches deep) prior to planting must be done to place **A3118.01** in contact with germinating weeds. Even with incorporation, water is still needed for activation of **A3118.01**. If applied in tank mix combination, follow use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. For minimum-tillage, no tillage or reduced tillage systems when weeds are present at the time of application, apply in a tank mix combination with a contact herbicide such as glyphosate. **Note:** Reduced weed control in the planted row may occur if untreated soil is exposed during the planting operation if surface applications are not incorporated prior to planting.

Preemergence Application: Apply after planting but prior to crop or weed emergence. For optimum results, apply **A3118.01** at or near planting, prior to germination of weeds and emergence of the crop. Preemergence applications are not effective until rainfall or irrigation of at least 0.25 to 0.5 inches has moved **A3118.01** into the soil where weed germination occurs. Under dry soil conditions a minimum of 0.5 inches of water is necessary for initial activation of **A3118.01**. **A3118.01** may be applied alone or in tank mix combination with other herbicide(s) registered for preemergence application to soybeans. When applied in tank mix combination, follow applicable use instructions, including application rates, precautions and restrictions of each product used in the tank mixture. Do not rely on **A3118.01** for postemergence control of emerged weeds.

Burndown Application: When used as a no-till burndown application, **A3118.01** provides foliar control of specific broadleaf weeds (bristly starbur, common cocklebur, common and giant ragweed, common sunflower, Florida beggarweed, morningglory species, tropic croton, and velvetleaf) and residual control of broadleaf weeds listed above for soil applied applications. For optimum results, apply **A3118.01** within two weeks of planting. If applied as a burndown application in tank mix combination with another herbicide(s), use only adjuvants that are recommended for the tank mix partner(s). When tank mixing with other herbicide(s), a jar test for compatibility is always recommended (see Compatibility Testing in the Mixing section). When tank mixing with glyphosate and ammonium sulfate, add ammonium sulfate to the tank mixture before adding glyphosate.

Minimum Tillage, No Tillage, Strip Tillage, or Other Reduced Tillage Systems

In these tillage systems where soybeans are planted directly into a cover crop, stale seedbed, or previous crop residues, a contact herbicide [such as Starfire or Roundup] may be tank mixed with **A3118.01** to control existing weeds. Apply before, during (behind the planter), or after planting, but before the crop emerges. When tank mixing with glyphosate and ammonium sulfate, add ammonium sulfate to the tank mixture before adding glyphosate.

A3118.01 Followed by Postemergence Application

Weeds and grasses not controlled by **A3118.01** may be controlled with postemergence herbicide products. Follow the postemergence manufacturer's labels for application rates, weeds controlled, applicable use directions, precautions and limitations before use.

Use Restrictions:

- Do not apply more than 0.6 oz (0.03 lb. ai) of **A3118.01** per acre per application.
- Do not apply more than 0.6 oz (0.03 lb. ai) of **A3118.01** per acre per year as a preplant incorporated, preplant surface, or preemergence application.
- Only a single soil application per growing season may be made in soybeans.
- **Preharvest Interval:** Do not harvest for 125 days following application.
- For preplant incorporation applications, do not apply **A3118.01** more than four weeks before planting.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

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:

[Bag: Nonrefillable outer bag. Do not reuse or refill the outer bag. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.]

[Plastic Container: 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 $\frac{1}{4}$ 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 incineration, or by other procedures allowed by state and local authorities.]

[Non-refillable fiber drums with PE liners: Nonrefillable container. DO NOT reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into formulation equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill, or by other procedures approved by state and local authorities. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.]

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, 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.

[A3118.01 is a trademark of Atticus, LLC.]

[Strongarm® is a registered trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.]

{LANGUAGE ON LABEL AFFIXED TO CONTAINER}

A3118.01TM

[Alternate Brand Name: Trumark]

[Contains diclosulam, the active ingredient used in Strongarm®.]

[HERBICIDE]

For broadleaf weed control in [peanuts] [and] [soybeans]

ACTIVE INGREDIENT: (% by weight)

diclosulam: N-(2,6-dichlorophenyl)-5-ethoxy-7-fluoro[1,2,4]triazolo-[1,5-c]pyrimidine-2-sulfonamide.....84.0%

OTHER INGREDIENTS:.....16.0%

TOTAL 100.0%

Contains 0.84 lb of active ingredient per pound of product.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none">Take off contaminated clothing.Rinse skin immediately with plenty of water for 15-20 minutes.Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none">Hold eye open and rinse slowly and gently with water for 15-20 minutes.Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	

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

CAUTION

Causes Moderate Eye Irritation. Harmful If Absorbed Through Skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or when disposing of equipment washwaters or rinsate.

This chemical and its transformation products demonstrate the properties and characteristics associated with chemicals detected in ground water. The

use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

This chemical can contaminate surface water through spray drift.

Under some conditions, this chemical, and/or its transformation products, may have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several weeks post-application. Vulnerable conditions include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas over-laying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

PHYSICAL AND CHEMICAL HAZARDS: Do not mix or allow coming in contact with oxidizing and reducing agents. Hazardous chemical reaction may occur.

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[Plastic Container: 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 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 incineration, or by other procedures allowed by state and local authorities.]

[Non-refillable fiber drums with PE liners: Nonrefillable container. DO NOT reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into formulation equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill, or by other procedures approved by state and local authorities. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.]

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

[A3118.01 is not manufactured, or distributed by Corteva Agriscience United States, seller of Strongarm®.]

Manufactured for:

Atticus, LLC

940 NW Cary Parkway, Suite 200

Cary, NC 27513

EPA Reg. No.: 91234-360

EPA Est. No.: _____

NET CONTENTS: _____

{Optional Marketing graphics}

