



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 27, 2020

Cherilyn Moore  
Regulatory Product Manager  
Syngenta Crop Protection, LLC  
P.O. Box 18300  
Greensboro, NC 27419

Subject: Registration Review Label Mitigation for Prometryn and Trifloxysulfuron-sodium  
Product Name: Suprend Herbicide  
EPA Registration Number: 100-1163  
Application Dates: 12/13/2017; 5/13/2019  
Decision Numbers: 560839; 560840

Dear Ms. Moore:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Prometryn and Trifloxysulfuron-sodium Interim Decisions, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

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

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

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If you have any questions about this letter, please contact Darius Stanton by phone at 703-347-0433, or via email at [stanton.darius@epa.gov](mailto:stanton.darius@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

PROMETRYN	GROUP	5	HERBICIDE
TRIFLOXYSULFURON-SODIUM	GROUP	2	HERBICIDE

### Suprend® Herbicide

A herbicide for control of certain broadleaf, sedge, and grass weeds in cotton

Active Ingredients:

Prometryn <sup>1</sup>	79.30%
Trifloxysulfuron-sodium <sup>2</sup>	0.70%
Other Ingredients:	20.00%
Total:	100.00%

<sup>1</sup> CAS No. 7287-19-6

<sup>2</sup> CAS No. 199119-58-9

Suprend® Herbicide is formulated as a wettable granule (WG) and contains 0.793 lb prometryn and 0.007 lb trifloxysulfuron-sodium per lb product.

**KEEP OUT OF REACH OF CHILDREN.**

## CAUTION - PRECAUCIÓN

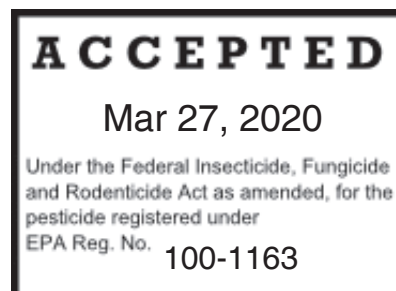
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-1163

EPA Est.

\_\_\_\_\_ pounds  
Net Weight



<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything to an unconscious person.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b> For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call <b>1-800-888-8372</b>	

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## **PRECAUTIONARY STATEMENTS**

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### **Hazards to Humans and Domestic Animals**

#### **CAUTION - PRECAUCIÓN**

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, 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
- Shoes plus socks
- Waterproof gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils or Viton® ≥ 14 mils
- A minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters

## User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## Engineering Controls

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

## User Safety Recommendations

### Users should:

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

## Environmental Hazards

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas.

This pesticide is toxic to vascular plants and must be used strictly in accordance with the drift precautions on this label in order to minimize off-site exposures.

### **Groundwater Advisory**

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

### **Surface Water Advisory**

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of trifloxysulfuron-sodium from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

### **Non-Target Organism Advisory**

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. It is critical to avoid contaminating the forage sources and habitat of non-target organisms by minimizing spray drift. Protect the forage and habitat of nontarget organisms by following label directions intended to minimize spray drift. For further guidance and instructions on how to minimize spray drift, refer to the **Spray Drift Management** section of this label.

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## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

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

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.**

To the extent permitted by applicable law, in no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitations of Warranty and of Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

## DIRECTIONS FOR USE

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

Use Suprend Herbicide only in accordance with directions on this label or in separately published supplemental labeling directions for this product.

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 the 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.**

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 made of barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, natural rubber  $\geq$  14 mils, polyethylene, polyvinyl chloride (PVC)  $\geq$  14 mils or Viton  $\geq$  14 mils
- Shoes plus socks
- A minimum of a NIOSH-approved particulate filtering facepiece respirator with any R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR WEED CONTROL, AND/OR ILLEGAL RESIDUES.**



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## PRODUCT INFORMATION

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Suprend Herbicide is for postemergence control of certain broadleaf, sedge, and grass weeds in cotton. Use post-directed application methods to provide coverage of weed foliage while adjusting nozzles to minimize contact of cotton foliage with spray or drift. Over-the-top application of Suprend in cotton will result in cotton injury and may cause yield reduction.

For a list of weeds controlled, refer to Table 1 in the **Target Weeds** section of this label. The level of control resulting from application of Suprend Herbicide is primarily dependent upon application rate, weed species, weed size at application, coverage of the weed (including terminal), environmental conditions and growing conditions. For best results, apply Suprend Herbicide when target weeds are less than 6 inches in height. Weed control is enhanced when emerged weeds have ample soil moisture and weeds are actively growing. Growth of susceptible weeds is inhibited soon after application of Suprend Herbicide. Complete plant death occurs within a few days after application, depending upon weed species and growing conditions.

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## WEED RESISTANCE MANAGEMENT

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	<b>PROMETRYN</b>	<b>GROUP</b>	<b>5</b>	<b>HERBICIDE</b>
	<b>TRIFLOXYSULFURON-SODIUM</b>	<b>GROUP</b>	<b>2</b>	<b>HERBICIDE</b>

Suprend Herbicide contains the active ingredients prometryn which is a photosynthetic inhibitor (Site of Action Group 5) and trifloxysulfuron-sodium which inhibits the enzyme acetolactate synthase (ALS; Site of Action Group 2). Some naturally occurring weed populations have been identified as resistant to Group 2 and 5 herbicides. Selection of resistant biotypes, through repeated use of these herbicides or lower than labeled use rates in the same field, may result in weed control failures. A resistant biotype may be present where poor performance cannot be attributed to adverse environmental conditions or improper application methods.

### Principles of herbicide resistant weed management

#### Scout and know your field

- Know weed species present in the field to be treated through scouting and field history. An understanding of weed biology is useful in designing a resistance management strategy. Ensure the weed management program will control all weeds present.
- Fields should be scouted prior to application to determine species present and growth stage. Always apply this herbicide at the full labeled rate and correct timing for the weeds present in the field.

### **Utilize non-herbicidal practices to add diversity**

- Use diversified management tactics such as cover crops, mechanical weed control, harvest weed seed control, and crop rotation as appropriate.

### **Use good agronomic practices, start clean and stay clean**

- Use good agronomic practices that enhance crop competitiveness.
- Plant into weed-free fields utilizing tillage or an effective burndown herbicide for control of emerged weeds.
- Sanitize farm equipment to avoid spreading seed or vegetative propagules prior to leaving fields.

### **Difficult to control weeds**

- Fields with difficult to control weeds should be planted in rotation with crops that allow the use of herbicides with an alternative mode of action or different management practices.
- Difficult to control weeds may require sequential applications, such as a broad spectrum preemergence herbicide followed by one or more postemergence herbicide applications. Utilize herbicides containing different modes of action effective on the target weeds in sequential applications.

### **Do not overuse the technology**

- Do not use more than two applications of this or any other herbicide with the same mode of action in a single growing season unless mixed with an herbicide with a different mode of action which provides overlapping spectrum for the difficult to control weeds.

### **Scout and inspect fields following application**

- Prevent an influx of weeds into the field by controlling weeds in field borders.
- Scout fields after application to verify that the treatment was effective.
- Suspected- herbicide resistant weeds may be identified by these indicators
  - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;

- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.
- Report non-performance of this product to your Syngenta retailer, Syngenta representative, or call 1-866-Syngent(a) (866-796-4368). If resistance is suspected ensure weed escapes are controlled using an herbicide with an effective mode of action and/or use non-chemical means to prevent further seed production.

### **Prevent weed escapes before, during, and after harvest**

- Do not allow weed escapes to produce seed or vegetative structures such as tubers or stolons which contribute to spread and survival. Consider harvest weed seed management and control weeds post-harvest to prevent seed production.

### **Resistant weeds**

- Contact your local Syngenta representative, retailer, crop advisor or extension agent to determine if weeds resistant to modes of action contained in this product are present in your area. Do not assume that each listed weed is being controlled by multiple modes of action. Premixes are intended to broaden the spectrum of weeds that are controlled. Some weeds may be controlled by only one of the active ingredients in this product. If resistant biotypes have been reported, use the full labeled rate of this product, apply at the labeled timing, and tank-mix with an additional different mode of action product so there are multiple effective modes of application for each suspected resistant weed.

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### **USE PRECAUTION**

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- Degradation of Suprend Herbicide in the soil is enhanced by soil with pH <7 and moist conditions. Application of Suprend Herbicide to soils with pH >7.5 may increase the potential for rotational crop injury and may reduce rotational crop yield. Alkaline soils increase the potential for injury to rotational crops. If severe drought conditions develop (less than 12 inches of rainfall/irrigation within the first five months following application of Suprend Herbicide and/or less than 1 inch of rainfall/irrigation within the first month after application) rotational crop injury may occur. In areas where soil pH is >7.5 and/or drought occurs, a field bioassay prior to planting of the rotational crop is important. See Table 2 for crop rotation intervals following normal harvest.

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### **USE RESTRICTIONS**

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- Do not apply Suprend Herbicide by air.
- Do not apply this product through any type of irrigation system.
- Do not spray over-the-top of cotton or crop injury may result.
- Apply Suprend Herbicide post-directed using properly adjusted and calibrated precision applicators (e.g., hooded sprayer).
- Do not apply more than 1.5 lb/A of Suprend Herbicide in a single application. This is equivalent to 0.0105 lb/A trifloxysulfuron-sodium, and 1.18 lb/A prometryn.
- Do not exceed a total of 2.7 lb/A of Suprend Herbicide per season, or per calendar year, from all applications. Suprend Herbicide contains two herbicidal active ingredients, trifloxysulfuron-sodium and prometryn.
- Do not exceed a total of 0.0188 lb active ingredient of trifloxysulfuron-sodium per acre per season, or per calendar year, resulting from all applications of Suprend Herbicide or other trifloxysulfuron-sodium containing products.
- Do not exceed a total of 5.15 lb active ingredient of prometryn per acre per season, or per calendar year, resulting from all applications of Suprend Herbicide or other prometryn containing products.
- Due to reduced crop tolerance, do not apply Suprend Herbicide post-directed on stripper-type cotton varieties.
- Do not tank mix Suprend Herbicide with products containing malathion, profenofos, emamectin-benzoate, acephate, dicrotophos, bifenthrin, or lambda-cyhalothrin. Unacceptable cotton injury may occur.
- Do not feed treated forage to livestock or graze treated areas.
- To avoid crop injury, do not apply to furrow-planted cotton until furrows are leveled (plowed-in).
- Do not treat cotton under stress caused by adverse environmental conditions, insect or disease damage, chemical or mechanical injury, or nutrient deficiency.
- Do not apply Suprend Herbicide using liquid fertilizer as the carrier.
- Do not use in the Rio Grande Valley of TX, the Coachella Valley of AZ and CA, on sand and loamy sand in AZ, nor in CA.

- Do not apply Suprend Herbicide within 60 days of cotton harvest.
- Do not make more than 2 applications of Suprend Herbicide per crop cycle, or per calendar year.
- Sequential applications of Suprend Herbicide must be made at least 14 days apart.

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## MIXING PROCEDURES

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### MIXING INSTRUCTIONS

1. Clean the spray tank before using. If it is contaminated with other materials, mixing problems and/or clogging may occur which could cause injury to the crop or reduced performance. Prepare no more spray mixture than is required for the immediate application.
2. Fill the spray tank  $\frac{1}{4}$ - $\frac{1}{2}$  full with clean water and begin agitation. Make certain that the agitation system is working properly and creates a rippling or rolling action on the water surface. Maintain agitation throughout the mixing and spraying process.
3. Add any products packaged in water-soluble film to the tank first. Allow the packets to completely dissolve and the contents of the packets to fully disperse into the mix water. **Important: Water-soluble packets must always be the first material put into the spray tank after water.** For products packaged in water-soluble packaging, 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 has been thoroughly cleaned (see **Instructions for Cleaning Spray Equipment After Application**).
4. Add the required amount of Suprend Herbicide to the spray tank while maintaining agitation. Allow the product to wet and thoroughly disperse into the mix water.
5. While maintaining agitation, continue filling the spray tank. When the tank is  $\frac{3}{4}$  full, add any tank mix partners. Add any water-dispersible granule or other dry formulation first, and allow that material to fully and uniformly disperse. Then add any emulsifiable liquid formulation.
6. Maintain agitation while adding a good nonionic surfactant with a minimum of 80% of the constituents effective as a spray adjuvant, at a rate not greater than 1 qt/100 gal spray mixture (0.25% v/v).
7. Maintain agitation while adding a nonphytotoxic COC containing 15-20% approved emulsifier at 0.5-1.0% v/v of finished spray solution.

8. Complete filling the tank while maintaining sufficient agitation at all times to ensure surface action until the spray tank mixture is uniform.
9. An anti-foaming agent may be added to reduce excessive foaming, if it occurs.
10. **Do not leave spray in the spray tank without continuous agitation.** Always maintain agitation to maintain a uniform mixture in the spray tank.
11. Make only sufficient spray mixture that can be used the day in which it was mixed.

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## APPLICATION PROCEDURES

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### GROUND APPLICATION EQUIPMENT

Apply Suprend Herbicide post-directed to prevent contact of the spray with cotton leaves, or crop injury may occur. Use precision application equipment so the spray is directed to the base of the cotton plant and still thoroughly covers the soil and weeds beneath the cotton plant. Apply during calm periods to avoid drift. Use leaf lifters or shields if leaf contact cannot be avoided merely by directing the spray.

For best results, apply to level, well prepared surfaces, such as relatively clod-free beds made with bed-shapers.

To help ensure accuracy, calibrate sprayer at the beginning of the season before use and recalibrate frequently. For ground application, use a minimum of 10 gallons water per acre. Use higher volumes (i.e., at least 20 gal/A on a broadcast basis) for severe weed infestations to ensure adequate spray coverage. Always include a nonionic surfactant spray adjuvant, approved for application to growing crops, in the spray mixture (see the **Mixing Procedures** section).

Use a pump with capacity to: (1) maintain at least 25-40 psi pressure at nozzles, and (2) provide sufficient agitation within the tank to keep product in suspension. Lower pressures may be used with extended range or drift reduction flat fan nozzles. Use a centrifugal pump that provides shear action for dispersing and mixing the product and that provides a minimum of 20 gallons/minute/100 gallons tank size circulated through a correctly positioned sparger tube or jet agitators. If jet agitators are used, align at least two agitators on the bottom of the tank pointing toward each end. Agitation during both mixing and application is essential. Use screens or strainers placed on the suction side of the pump that are 16-mesh or coarser. Use 50-mesh or coarser screens between the pump and boom, and when required, at the nozzles. Check nozzle manufacturer's specifications.

Good weed coverage with the spray mixture is essential for optimum weed control. Observe sprayer nozzles frequently during the spraying operation to ensure that the spray pattern is uniform. Avoid spray overlaps that result in excessive rates in the

overlap areas. Also, avoid application under conditions when uniform coverage cannot be obtained or when spray drift may occur (see section titled **Spray Drift Management**).

Avoid all direct or indirect contact (such as spray drift) of this product with crops other than those listed for treatment on this label, since injury may occur. Always follow the **Spray Drift Management** and the **Instructions for Cleaning Spray Equipment after Application** sections of this label.

**Rainfastness:** Suprend Herbicide is rainfast within 3 hours after application.

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## **SPRAY DRIFT MANAGEMENT**

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As with all crop protection products, it is important to avoid off-target movement onto adjacent land or crops, as even small amounts may injure sensitive plants. To reduce spray drift, the following spray drift management requirements must be followed.

### **SPRAY DRIFT** **Ground Boom Applications**

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

## **SPRAY DRIFT ADVISORIES**

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

## **IMPORTANCE OF DROPLET SIZE**

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

## **Controlling Droplet Size – Ground Boom**

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

## **BOOM HEIGHT – Ground Boom**

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

## **SHIELDED SPRAYERS**

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

## **TEMPERATURE AND HUMIDITY**

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

## **TEMPERATURE INVERSIONS**

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

## **WIND**

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.**



Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

## WINDBLOWN SOIL PARTICLES

Suprend Herbicide has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying Suprend Herbicide if prevailing local conditions may be expected to result in off-site movement.

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## SPRAY EQUIPMENT

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### INSTRUCTIONS FOR CLEANING SPRAY EQUIPMENT AFTER APPLICATION

Because some crops are extremely sensitive to low rates of Suprend Herbicide, special attention must be given to cleaning equipment before spraying a crop other than those listed on this label. Mix only as much spray solution as needed. Immediately after spraying, clean equipment thoroughly using the following procedure:

1. Flush tank, sump, hoses, boom, and nozzles with clean water.
2. Prepare a tank cleaning solution of 1 gal of household ammonia per 50 gal of water. **Do not** use chlorine-based cleaners, such as Clorox®. Many commercial spray tank cleaners may be used. Refer to the publication “Clean It Up! A Guide to Cleaning Sprayers” from Syngenta for additional information. The guide may be obtained from your local Syngenta Sales Representative.
3. When available, use a pressure washer to clean the inside of the spray tank with this solution. Take care to wash all internal parts of the tank, including the inside top surface. Completely fill the sprayer with the ammonia cleaning solution to ensure contact of the cleaning solution with all internal surfaces of the tank and plumbing. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
4. Flush hoses, spray lines, and nozzles for at least 15 minutes with the cleaning solution.
5. Dispose of rinsate from steps 1-4 in an appropriate manner. Spray the cleaning solution on an untreated crop on which Suprend Herbicide is registered, or return to a rinsate tank for later use as make-up water for spraying crops on which Suprend Herbicide is registered, or use other approved disposal.
6. Repeat steps 2-5.

7. Remove nozzles, screens, and strainers and clean separately in the ammonia cleaning solution after completing the above procedures.
8. Rinse the complete spraying system with clean water.

**Note:** If the tank is equipped with the proper number of correctly mounted 360° tank washing nozzles that are attached to a dedicated rinsing system, less cleaning solution than a full tank may be used. Use sufficient cleaning solution to thoroughly rinse all surfaces. Start the sprayer agitation and recirculate the cleaning solution for at least 15 minutes. Flush the spray boom with the cleaning solution. Repeat the rinsing procedure 1-2 times.

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## **CROP USE DIRECTIONS**

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### **COTTON (PICKER AND PIMA VARIETIES ONLY)**

Apply Suprend Herbicide as a directed spray to provide good coverage of weed canopy including weed terminals while minimizing contact of cotton leaves with spray or drift. Directed applications are usually best achieved when cotton is at least 6 inches tall. **DO NOT SPRAY OVER THE TOP OF COTTON OR CROP INJURY WILL RESULT.**

Suprend Herbicide can be used post-directed on picker and pima cotton varieties in AL, AR, AZ, FL, GA, KS, KY, LA, MS, NM, NC, OK, SC, TN, VA, the boot heel area of MO, and portions of TX (excluding the area within the borders of I-20, I-10 and State Highway 83).

Suprend Herbicide can be used with all cotton tillage systems.

### **TARGET WEEDS**

For best results, apply when target weeds are less than 6 inches in height. Apply to actively growing weeds listed below.

**Table 1: Weeds Controlled or Partially Controlled With Suprend Herbicide**

Weeds Controlled <sup>1,2</sup>	Latin Name	Control Level <sup>3</sup>	Suprend Herbicide	
			0.75-1.25 Lb/A	1.5 Lb/A
			Weed Size Ranges for Optimum Control (Inches)	
Barnyardgrass	<i>Echinochloa crus-galli</i>	PC	0.25-1	0.25-1
Bristly starbur	<i>Acanthospermum hispidum</i>	C	1-4	1-6
Broadleaf signalgrass	<i>Brachiaria platyphylla</i>	PC	0.25-1	0.25-1
Carpetweed	<i>Mollugo verticillata</i>	C	0.5-2	0.5-3
Coffee senna	<i>Senna occidentalis</i>	C	1-5	1-6
Common cocklebur	<i>Xanthium strumarium</i>	C	1-5	1-6
Corn, volunteer (non-IR or IT)	<i>Zea mays</i>	C	1-5	1-6
Copperleaf hophornbeam	<i>Acalypha ostryifolia</i>	PC	1-3	1-3
Crabgrass, large	<i>Digitaria sanguinalis</i>	PC/C	1-5	1-5
Crabgrass, Southern	<i>Digitaria ciliaris</i>	PC	1-5	1-5
Florida beggarweed	<i>Desmodium tortuosum</i>	C	1-4	1-5
Hemp sesbania	<i>Sesbania exaltata</i>	C	1-4	1-5
Horse purslane	<i>Trianthema portulacastrum</i>	PC	0.5-1	0.5-2
Horseweed	<i>Conyza canadensis</i>	PC	1-3	1-4
Johnsongrass (seedling)	<i>Sorghum halepense</i>	C	1-4	1-6
Lambsquarters, common	<i>Chenopodium album</i>	C	0.5-2	0.5-3
Morningglory:				
Entireleaf	<i>Ipomoea hederacea</i> var. <i>integriuscula</i>	C	1-4	1-5
Ivyleaf	<i>Ipomoea hederacea</i>	C	1-5	1-6
Pitted	<i>Ipomoea lacunosa</i>	C	1-5	1-6
Red/scarlet	<i>Ipomoea coccinea</i>	C	1-4	1-5
Tall morningglory	<i>Ipomoea purpurea</i>	C	1-3	1-4
Nutsedge:				
Purple	<i>Cyperus rotundus</i>	PC	2-4	2-4
Yellow	<i>Cyperus esculentus</i>	C	2-6	2-6
Peanut, volunteer	<i>Arachis hypogea</i>	PC	1-2	1-3
Pigweed:				
Palmer amaranth	<i>Amaranthus palmeri</i>	PC	1-2	1-2
Redroot pigweed	<i>Amaranthus retroflexus</i>	C	1-4	1-6
Smooth pigweed	<i>Amaranthus hybridus</i>	C	1-4	1-5
Waterhemp, tall	<i>Amaranthus tuberculatus</i>	C	1-2	1-2
Poinsettia, wild	<i>Euphorbia heterophylla</i>	C	0.5-2	0.5-3
Prickly sida	<i>Sida spinosa</i>	PC	1-4	1-4
Ragweed, common	<i>Ambrosia artemisiifolia</i>	C	1-4	1-6
Redweed	<i>Melochia corchorifolia</i>	C	0.5-2	0.5-3
Soybean, volunteer (Non-STG)	<i>Glycine max</i>	C	1-3	1-4
Sicklepod	<i>Senna obtusifolia</i>	C	1-4	1-6
Sunflower, common	<i>Helianthus annuus</i>	C	1-4	1-5
Velvetleaf	<i>Abutilon theophrasti</i>	C	1-4	1-4

<sup>1</sup>ALS resistant plants or photosystem II resistant plants may be controlled by Suprend Herbicide.

<sup>2</sup>For improved control of grass weeds tank mix with MSMA or glyphosate.

<sup>3</sup>C = Control (85-100%) of weeds present at the time of application. C = may require use of higher rates or repeated applications to achieve control. PC = Partial control; partial control means significant activity but not always at a level generally acceptable for commercial weed control.

**Directions for Use in Cotton are Divided into 3 Sections, Based on Geographical Region:**

1. AL, AR, FL, GA, KS, KY, LA, MO [Bootheel], MS, NC, SC, TN and VA
2. NM, OK and TX
3. AZ

See the appropriate section for specific directions for use in each region.

1. **Directions for Use in Cotton in AL, AR, FL, GA, KS, KY, LA, MO [Bootheel], MS, NC, SC, TN and VA**

**Post-Directed Applications – Picker/Stripper Type Varieties**

Apply Suprend Herbicide post-directed at 1.0-1.5 lb/A once cotton is large enough to adequately direct applications (usually 6 inches in height or above). Add to the finished spray solution either a high quality nonionic surfactant with a minimum of 80% surface-active agent at 0.25% v/v or 1 qt/100 gal or a nonphytotoxic crop oil concentrate (COC) containing 15-20% approved emulsifier at 0.5-1.0% v/v (2-4 qt/100 gal). Adjust spray to minimize contact with cotton terminal and foliage while directing the application to maximize contact with weeds. Good coverage is essential for optimum weed control.

Early season weed control with the use of a registered preemergence or early postemergence herbicide is recommended prior to the post-directed application of Suprend Herbicide. This will reduce weed competition and allow cotton to achieve a height advantage over targeted weeds. For herbicide rates and weed sizes to achieve optimum control in cotton refer to Table 1. Application of Suprend Herbicide may be made up to 60 days before cotton harvest.

Rotational crop restrictions are listed in Table 2.

**Table 2: Rotational Crop Restrictions Following Cotton in AL, AR, FL, GA, KS, KY, LA, MO [Bootheel], MS, NC, SC, TN and VA**

Following normal crop harvest, which has been treated with Suprend Herbicide, the crops listed below may be planted at, or after, the time interval specified from the last application of Suprend Herbicide. If another herbicide with a longer rotational interval was used, follow the longer rotational limitation.

**Rotational Crop Intervals in Months Following In-Crop Applications of Suprend Herbicide in Cotton in AL, AR, FL, GA, KS, KY, LA, MO [Bootheel], MS, NC, SC, TN and VA**

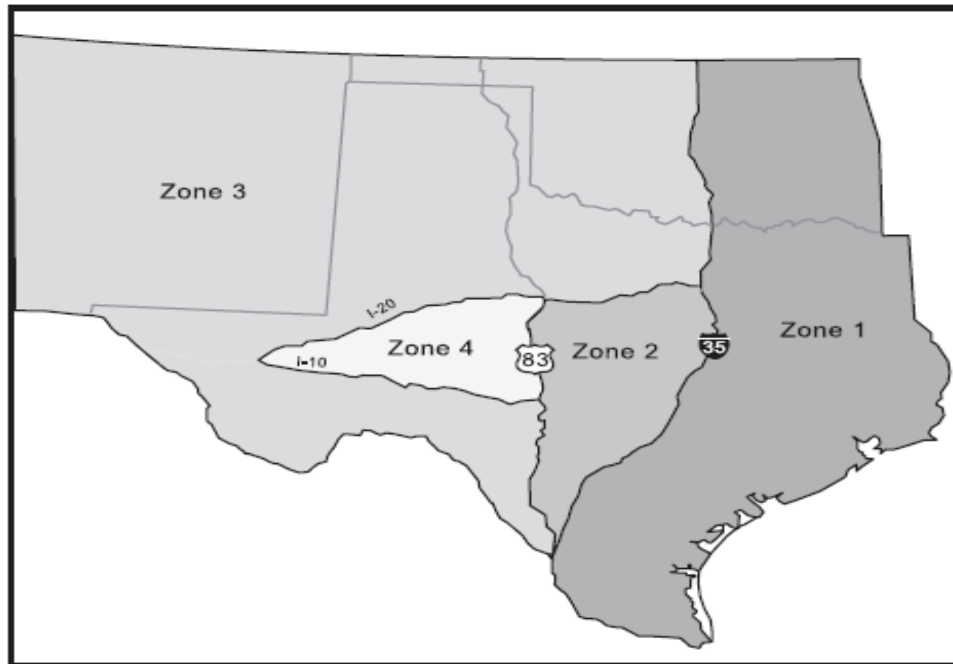
<b>Rotational Crop</b>	<b>Interval (months)</b>
Bell pepper (transplanted)	12*
Cotton	7
Corn, field	7
Corn, sweet	7
Grain sorghum	7
Parsley	12*
Peanut	7
Potato, Irish	12*
Radish	12*
Rice	7
Soybean	7
Sugarcane	1
Tobacco (transplanted)	7
Tomato (transplanted)	3
Wheat, winter	3
All other crops	18*

\*Field Bioassay. After the interval in the table above, take soil samples to a depth of 6 inches (preferably in a solid core) from several locations within the field as well as the untreated area. Plant the intended rotational crop in the collected soil and allow to grow for three weeks. If, at the end of three weeks, there are no adverse effects on root and shoot growth of the intended rotational crop, when comparing plants on treated and untreated soil, the intended rotational crop can be planted with good growing conditions.

**2. Directions for Use in Cotton in NM, OK and TX**

**Directions for use in NM, OK and TX are divided into 4 geographical zones (see Map)**

## Map of Suprend Herbicide Application/Rotation Zones in NM, OK and TX



### **Zone 1: OK and TX [East of I-35]**

#### **Post-Directed Applications - Picker/Stripper Type Varieties**

Apply Suprend Herbicide post-directed at 1.0-1.5 lb/A once cotton is large enough to adequately direct applications (usually 6 inches in height or above). Add to the finished spray solution either a high quality nonionic surfactant with a minimum of 80% surface-active agent at 0.25% v/v or 1qt/100 gal or a nonphytotoxic crop oil concentrate (COC) containing 15-20% approved emulsifier at 0.5-1.0% v/v (2-4 qt/100 gal). Adjust spray to minimize contact with cotton terminal and foliage while directing the application to maximize contact with weeds. Good coverage is essential for optimum weed control.

Early season weed control with the use of a registered preemergence or early postemergence herbicide is recommended prior to the post-directed application of Suprend Herbicide. This will reduce weed competition and allow cotton to achieve a height advantage over targeted weeds. For directed herbicide rates and weed sizes to achieve optimum control in cotton refer to Table 1. Application of Suprend Herbicide may be made up to 60 days before cotton harvest.

Rotational crop restrictions are listed in Table 3.

## **Zone 2: TX [West of I-35, East of State Highway 83, South of I-20]**

### **Post-Directed Applications - Picker/Stripper Type Varieties**

Apply Suprend Herbicide post-directed at 0.75-1.0 lb/A once cotton is large enough to adequately direct applications (usually 6 inches in height or above). Add to the finished spray solution either a high quality nonionic surfactant with a minimum of 80% surface-active agent at 0.25% v/v or 1qt/100 gal or a nonphytotoxic crop oil concentrate (COC) containing 15-20% approved emulsifier at 0.5-1.0% v/v (2-4 qt/100 gal). Adjust spray to minimize contact with cotton terminal and foliage while directing the application to maximize contact with weeds. Good coverage is essential for optimum weed control.

Early season weed control with the use of a registered preemergence or early postemergence herbicide is recommended prior to the post-directed application of Suprend Herbicide. This will reduce weed competition and allow cotton to achieve a height advantage over targeted weeds. For directed herbicide rates and weed sizes to achieve optimum control in cotton refer to Table 1. Application of Suprend Herbicide may be made up to 60 days before cotton harvest.

### **Special Use Precautions for Post-Directed Applications TX [West of I-35, East of State Highway 83, South of I-20]**

Do not use greater than 0.007 lb ai/A (1.0 lb/A Suprend Herbicide), per year trifloxysulfuron-sodium from either Suprend Herbicide or Envoke® herbicide sources, or other products containing trifloxysulfuron-sodium.

Rotational crop restrictions are listed in Table 3.

### **Table 3: Rotational Crop Restrictions Following Cotton in Zone 1: OK and TX [East of I-35], Zone 2: TX [West of I-35, East of State Highway 83, South of I-20]**

Following normal crop harvest, which has been treated with Suprend Herbicide, the crops listed below may be planted at, or after, the time interval specified from the last application of Suprend Herbicide. If another herbicide with a longer rotational interval was used, follow the longer rotational limitation.

<b>Rotational Crop Intervals in Months Following In-Crop Applications of Suprend Herbicide in Cotton in Zone 1: OK and TX [East of I-35], Zone 2: TX [West of I-35, East of State Highway 83, South of I-20]</b>	
<b>Rotational Crop</b>	<b>Interval (months)</b>
Bell pepper (transplanted)	12*
Cotton	7
Corn, field	7
Corn, sweet	7
Grain sorghum	7
Parsley	12*
Peanut	7
Potato, Irish	12*
Radish	12*
Rice	7
Soybean	7
Sugarcane	1
Tobacco (transplanted)	7
Tomato (transplanted)	3
Wheat, winter	3
All other crops	18*

\*Field Bioassay. After the interval in the table above, take soil samples to a depth of 6 inches (preferably in a solid core) from several locations within the field as well as the untreated area. Plant the intended rotational crop in the collected soil and allow to grow for three weeks. If, at the end of three weeks, there are no adverse effects on root and shoot growth of the intended rotational crop, when comparing plants on treated and untreated soil, the intended rotational crop can be planted with good growing conditions.

**Zone 3: NM, OK [West of I-35] and TX [West of I-35, excluding Zones 2 and 4]**

**Post-Directed Applications - Picker/Stripper Type Varieties**

Apply Suprend Herbicide post-directed at 0.75-1.0 lb/A once cotton is large enough to adequately direct applications (usually 6 inches in height or above). Add to the finished spray solution either a high quality nonionic surfactant with a minimum of 80% surface-active agent at 0.25% v/v or 1 qt/100 gal or a nonphytotoxic crop oil concentrate (COC) containing 15-20% approved emulsifier at 0.5-1.0% v/v (2-4 qt/100 gal). Adjust spray to minimize contact with cotton terminal and foliage while directing the application to maximize contact with weeds. Good coverage is essential for optimum weed control.

Early season weed control with the use of a registered preemergence or early postemergence herbicide is recommended prior to the post-directed application



of Suprend Herbicide. This will reduce weed competition and allow cotton to achieve a height advantage over targeted weeds. For directed herbicide rates and weed sizes to achieve optimum control in cotton refer to Table 1. Application of Suprend Herbicide may be made up to 60 days before cotton harvest.

**Special Use Precautions for Postemergence Over-the-Top and Post-Directed Applications in Zone 3: NM, OK [West of I-35] and TX [West of I-35, Excluding Zones 2 and 4]**

Suprend Herbicide may not be used in cotton in two consecutive years.

Do not use greater than 0.007 lb ai/A (1.0 lb/A Suprend Herbicide), per year trifloxysulfuron-sodium from either Suprend Herbicide or Envoke Herbicide sources, or other products that contain trifloxysulfuron-sodium.

Rotational crop restrictions are listed in Table 4.

**Table 4: Rotational Crop Restrictions Following Cotton in Zone 3: NM, OK [East of I-35] and TX [West of I-35, excluding Zones 2 and 4]**

Following normal crop harvest, which has been treated with Suprend Herbicide, the crops listed below may be planted at, or after, the time interval specified from the last application provided a **minimum of 24 inches of rainfall or irrigation** has occurred. Uniform irrigation must be applied to all furrows. If another herbicide with a longer rotational interval was used, follow the longer rotational limitation.

<b>Rotational Crop Intervals in Months Following In-Crop Applications of Suprend Herbicide in Cotton in Zone 3: NM, OK [East of I-35] and TX [West of I-35, excluding Zones 2 and 4]</b>	
	<b>Maximum Rate Applied Per Season</b>
<b>Rotational Crop</b>	<b>1.0 lb/A</b>
Alfalfa	16
Bell pepper (transplanted)	22
Cotton	7
Corn, field	22
Cucumber	22
Grain sorghum	22
Onion	22
Peanut	22
Soybean	10
Sunflower	10
Watermelon	22
Wheat, winter	3
All other crops	22*

\*Field Bioassay. After the interval in the table above, take soil samples to a depth of 6 inches (preferably in a solid core) from several locations within the field as well as the untreated area. Plant the intended rotational crop in the collected soil and allow to grow for three weeks. If, at the end of three weeks, there are no adverse effects on root and shoot growth of the intended rotational crop, when comparing plants on treated and untreated soil, the intended rotational crop can be planted with good growing conditions.

Suprend Herbicide may not be used in cotton in two consecutive years.

#### **Zone 4: TX [Within the area bordered by I-20 and I-10 and State Highway 83]**

Do not apply Suprend Herbicide in Cotton.

### **3. Directions for Use in Cotton in AZ**

#### **Post-Directed Applications – Picker/Stripper/Pima Type Varieties**

Apply Suprend Herbicide at 0.75-1.0 lb/A as described in the post-directed section above. Add to the finished spray solution either a high quality nonionic surfactant with a minimum of 80% surface-active agent at 0.25% v/v (1 qt/100 gal), or a nonphytotoxic crop oil concentrate (COC) containing 15-20% approved emulsifier at 0.5-1.0% v/v (2-4 qt/100 gal). For optimum weed control, irrigate prior to Suprend Herbicide application to ensure the weeds are not under stress from lack of moisture. Best results are usually obtained when Suprend Herbicide application is made within 7 days after irrigation. This is particularly important if the target weed is nutsedge. Nutsedge should not exceed 6 inches in height at the time of Suprend Herbicide application. MSMA, Dual Magnum®, Touchdown (Roundup Ready® cotton only), or other labeled herbicides may be required before the first irrigation to keep nutsedge from exceeding 6 inch height at the appropriate timing for Suprend Herbicide. Application of a registered preemergence or early postemergence herbicide is recommended prior to the post-directed application of Suprend Herbicide. This will reduce weed competition and facilitate cotton achieving a height advantage over targeted weeds.

For herbicide rates and weed sizes to achieve optimum weed control in cotton refer to Table 1.

#### **Special Use Precautions for Post-Directed Applications (AZ) (Picker/Stripper/Pima Type Varieties)**

Suprend Herbicide may not be used in cotton in two consecutive years.

Rotational crop restrictions for AZ are listed in Table 5.

Conduct a field bioassay as described in Table 5 for the intended rotational crop.

Do not use greater than 0.007 lb ai/A (1.0 lb/A Suprend Herbicide), per year trifloxysulfuron-sodium from either Suprend Herbicide or Envoke Herbicide sources, or other products containing trifloxysulfuron-sodium.

**Table 5: Rotational Crop Restrictions Following Cotton in AZ**

Following normal crop harvest, which has been treated with Suprend Herbicide, the crops listed below may be planted at, or after, the time interval specified from the last application provided the **minimum rainfall and/or irrigation** shown in Table 5 has occurred. Uniform irrigation must be applied to all furrows. If another herbicide with a longer rotational interval was used, follow the longer rotational limitation.

<b>Rotational Crop Intervals in Months Following In-Crop Applications of Suprend Herbicide in Cotton in AZ</b>		<b>Minimum Rainfall and/or Irrigation (Inches) Between Application And Rotational Crop Planting</b>
	<b>Maximum Rate Applied Per Season</b>	
<b>Rotational Crop</b>	<b>1.0 lb/A</b>	
Alfalfa	14	72
Barley	6	48
Cantaloupe**	12	72
Cotton	7	48
Corn, field	12	48
Grain sorghum	12	48
Wheat, winter	3	48
All other crops	18*	

\*Field Bioassay. After the interval in the table above, take soil samples to a depth of 6 inches (preferably in a solid core) from several locations within the field as well as the untreated area. Plant the intended rotational crop in the collected soil and allow to grow for three weeks. If, at the end of three weeks, there are no adverse effects on root and shoot growth of the intended rotational crop, when comparing plants on treated and untreated soil, the intended rotational crop can be planted with good growing conditions.

\*\*After harvest of cotton treated with Suprend Herbicide, that has received 48 inches of rainfall and/or irrigation since the last Suprend Herbicide application, another crop receiving a minimum of 24 inches of irrigation must be grown before planting cantaloupe.

Suprend Herbicide may not be used in cotton in two consecutive years.

A minimum of two cultivations must be made following application of Suprend Herbicide to cotton (pre or post-harvest) before planting any rotational crop.

## **TANK MIXES WITH OTHER HERBICIDES**

Suprend Herbicide can be tank mixed with Dual Magnum, MSMA, Aim®, diuron, linuron, Cobra®, and Caparol® for post-directed applications where use of these products is also registered for use in cotton. Suprend Herbicide can also be tank mixed with Buctril® for post-directed applications in BXN cotton varieties. Suprend Herbicide can be tank mixed with Touchdown® brands (glyphosate) for post-directed use in Roundup Ready Cotton varieties.

Suprend Herbicide can be tank mixed with Touchdown brands (glyphosate) for use in conventional cotton varieties if applied with hooded sprayers that completely enclose the spray pattern for weed control between the rows. Adjust the hooded sprayer in raised seedbeds to ensure the rear flaps touch the ground to completely enclose the spray solution. Keep the spray and drift off cotton leaves and stems. Spray contacting cotton leaves and stems may cause cotton injury.

For all tank mixtures of Suprend Herbicide refer to individual product labels for precautionary statements, restrictions, rates, and a list of weeds controlled. Spray contacting cotton leaves may cause cotton injury with many of these tank mixtures. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

**Restriction:** If tank mixing with Caparol, do not exceed a total of 5.15 lb active ingredient of prometryn per acre per season resulting from all applications of Suprend Herbicide or Caparol 4L, or other prometryn containing products.

## **REPLANTING AFTER COTTON CROP FAILURE**

If a cotton crop is lost (e.g., due to hail), and adequate growing season remains, and not more than 1.0 lb/A of Suprend Herbicide has been applied, cotton may be replanted 30 or more days after the Suprend Herbicide application, or 14 or more days after the first significant rainfall event ( $\geq 0.5$  inches) following the Suprend Herbicide application. If Suprend Herbicide has been applied at  $>1.0$  lb/A, cotton may be replanted 30 days after the first significant rainfall event ( $\geq 0.5$  inches) following the Suprend Herbicide application.

**Table 6: Envoke/trifloxysulfuron and Caparol/prometryn Dose Conversion**

<b>Suprend Herbicide lb Product/A</b>	<b>Envoke Herbicide oz Product/A</b>	<b>Trifloxysulfuro n lb ai/A</b>	<b>Caparol 4L pt/A</b>	<b>Prometryn lb ai/A</b>
1.00	0.15	0.007	1.58	0.79
1.25	0.19	0.00875	1.97	0.98
1.50	0.23	0.0105	2.37	1.18
2.01	0.30	0.0141	3.18	1.59
2.69	0.40	0.0188	4.25	2.12

## **STORAGE AND DISPOSAL**

### **Pesticide Storage**

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

### **Pesticide Disposal**

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by 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 [less than or equal to 50 pounds]**

**Non-refillable 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 mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

### **Container Handling [bags]**

**Non-refillable container.** Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

### **Container Handling [fiber drums with liners]**

**Non-refillable 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 application equipment. Then offer for recycling if available or dispose of liner in a sanitary landfill, or by incineration, 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.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

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

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Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:  
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000100-01163.20190513.SUPREND-HERB-AMEND-MAY2019-CL.pdf