



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 14, 2021

Danielle Larochelle  
Regulatory Manager  
Nufarm Americas, Inc.  
11901 S. Austin Avenue  
Alsip, IL 60803

Subject: Notification per PRN 98-10 – Add “Not registered for use in California” under  
Control of Undesirable Cotton Following Harvest use directions  
Product Name: Freefall SC Cotton Defoliant  
EPA Registration Number: 228-653  
Application Date: April 8, 2021  
Decision Number: 573380

Dear Ms. Larochelle:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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 (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) 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.

If you have any questions, you may contact Jamie Harrington by email at [harrington.jamie@epa.gov](mailto:harrington.jamie@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Mindy Ondish".

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

# FreeFall<sup>®</sup> SC Cotton Defoliant

## For Agricultural Use Only

### NOTIFICATION

228-653

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:

05/14/2021

### Percent by Weight

#### ACTIVE INGREDIENT:

Thidiazuron (N-phenyl-N'-1,2,3-thiadiazol-5-ylurea)\* ..... 41.4%

OTHER INGREDIENTS: ..... 58.6%

TOTAL: ..... 100.0%

\*Contains 4.0 lb of thidiazuron per gallon

### 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 label booklet for FIRST AID and PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300  
For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 228-653

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

MANUFACTURED FOR  
NUFARM AMERICAS INC.  
11901 S. AUSTIN AVE  
ALSIP, IL 60803



[Grow a better tomorrow.]

NET CONTENTS: \_\_\_\_\_ GALLONS (\_\_\_\_ Liters)

[Designation as "NONREFILLABLE" or "REFILLABLE" for containers > 5 GAL]

<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call 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 by mouth to an unconscious person.</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 further treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.	

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION / PRECAUCIÓN**

Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

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

See Engineering Controls for 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**

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.607(e)].

<b>USER SAFETY RECOMMENDATIONS</b>
<p><b>Users should:</b></p> <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• 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.</li> </ul>

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas.

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. 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 for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

This chemical has properties and characteristics associated with chemicals detected in groundwater. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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## DIRECTIONS FOR USE

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It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the state or tribal 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.

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, and shoes plus socks.

**RUNOFF PREVENTION:** To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

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

### PRODUCT INFORMATION

This product provides growers a tool to help in the harvest of cotton. This product is a suspension concentrate that readily disperses in water for use in various types of application equipment. Applications by ground or air of this product just prior to harvest cause the leaves to fall off the plants (defoliation) and inhibit additional plant growth. This effect helps to reduce any staining of lint that occurs during harvest and ginning.

The effects of this product may not be seen for several days after treatment. Cooler weather or other adverse conditions will require an adjustment in the dose level (i.e., higher rates) or require longer periods of time for defoliation to occur.

### SPRAY DRIFT MANAGEMENT

- Use a nozzle that produces medium spray or coarser spray according to ASABE (ANSI/ASAE) standard S572 for both ground and aerial application.
- When using ground application, apply with nozzle height no more than 2 feet above the ground or crop canopy.
- For both aerial and ground application, do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not spray via ground or aerial application equipment during temperature inversions.
- When applying aurally:
  - Do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.
  - The spray boom must be mounted on the aircraft so as to minimize drift caused by wing tip or rotor blade vortices. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
  - When applying to crops via aerial application equipment, use ½ swath displacement upwind at the downwind edge of the field.
  - Nozzles must be oriented so the spray is directed toward the back of the aircraft.

## SPRAY DRIFT ADVISORIES

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

### IMPORTANCE OF DROPLET SIZE

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

#### Controlling Droplet Size - Ground Boom

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

#### Controlling Droplet Size - Aircraft

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

### BOOM HEIGHT

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

### WIND

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

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

### TEMPERATURE AND HUMIDITY

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

### TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicated good vertical air mixing.

### SHIELDED SPRAYERS

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

## USE PRECAUTIONS

A rain event occurring within 24 hours of application will reduce the effectiveness of this product.

Spray drift to non-target crops can cause crop injury or defoliation.

Some crops (e.g., citrus, lettuce, cantaloupes, and others) are sensitive to this chemical and additional care needs to be exercised if these crops are present in adjacent fields.

Mixtures with organophosphates can increase non-target crop phytotoxicity.

## RESTRICTIONS

Do not apply this product through any type of irrigation system.

Do not feed gin trash, treated foliage or immature crops to livestock.

Pre-harvest interval (PHI): 5 days

**Additional drift reduction practices to reduce the potential for off-site spray drift to non-target crops sensitive to this product:**

- Do not make ground applications of this product within 100 feet of growing lettuce.
- Do not make aerial applications of this product within 1/2 mile of growing lettuce.
- **Citrus Areas in the Rio Grande Valley of Texas:** Do not make aerial applications of this product when citrus are in flush (burst of new growth, as in springtime) within 5 miles downwind of the point of application. Do not make ground applications of this product when citrus are in flush within 1/2 mile downwind of the application point.

**ROTATIONAL CROP RESTRICTIONS:** Do not replant the following crops unless the minimum specified plantback interval has elapsed after the last application of this product.

ROTATION CROP	PLANTBACK INTERVAL
Small grains, sorghum, corn, or root crops (except carrots, onions or sugar beets)	Two (2) weeks
Legumes (including alfalfa) or leafy vegetables (except lettuce)	Two (2) months
Sugar beets	Four (4) months
Carrots, onions and spinach	Nine (9) months
Lettuce (replant ONLY if the soil has been deep-plowed down to 12-15 inches.)	Nine (9) months

## USE INSTRUCTIONS

### MIXING DIRECTIONS

1. Add one-half the amount of water required to the spray tank.
2. Begin agitation and add this product.
3. Fill the spray tank with the remainder of the water.
4. Maintain agitation throughout application.

Prepare only the amount of spray solution needed for a single day of application. Do not allow the spray tank mixture to stand overnight.

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## PRE-HARVEST USE

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### APPLICATION TIMING

Make applications of this product only to mature cotton plants and when bolls are mature. Bolls are considered mature when the following are observed: 1) the boll does not dent when squeezed between thumb and finger; and/or 2) the boll is difficult to cut using a sharp knife; and/or 3) the seeds have fully developed cotyledons (determined by the fact that the seeds lack liquid within the seed coat if cut in cross section or if the outer edges of the seed coat are light brown).

Make product applications at least five (5) days before the expected day of harvest.

**Note:** The success of this product as a cotton defoliant depends on the following factors:

- Cotton plants are actively growing.
- Humid weather conditions exist.
- Cotton plant leaves have high moisture content.

## **APPLICATION CONDITIONS**

If temperatures at night fall below 60°F, this product applied as a stand-alone product (i.e., without a tank mix partner), may give inconsistent or ineffective defoliation and/or regrowth suppression. Improved performance of this product is achieved when application is timed so that overnight temperatures exceed 60°F for 2-3 days prior to and following application.

Applications of this product to heat- and/or drought-stressed cotton (low leaf moisture content, thick cuticle) may result in reduced defoliation and/or reduced regrowth suppression.

## **FOLLOW UP PRODUCT APPLICATIONS**

To avoid reduced or unsatisfactory defoliation, apply this product as a follow-up or second defoliation treatment only if the first application was made with this product as a stand-alone or as a tank mix with other defoliant. Also refer to the APPLICATION CONDITIONS section of this label.

## **USE OF CROP OIL/ADJUVANTS**

Improved defoliation and regrowth suppression has been shown when crop oil concentrates (COC's) or penetrating oils approved for use on agricultural crops are mixed with this product and applied when nighttime temperatures are low (60°-65°F) or when treating drought-stressed cotton. Consult the adjuvant label for use directions and rates.

Use adjuvants to improve spray deposition when applying this product in the desert Southwest (i.e., Arizona and California).

**Note:** The use of adjuvants can cause substantial desiccation during periods of high temperatures. If the potential for enhanced leaf sticking is a concern, do not use adjuvants that will desiccate leaf tissue.

## **TANK MIX ADJUVANTS**

To improve defoliation and spray tank clean-out, add a compatibility agent or surfactant approved for use on agricultural crops to tank mixes of this product with organophosphate defoliant. Conduct a compatibility test of all components before adding to the spray tank.

Consult the adjuvant label for mixing and application directions and use rates.

## **APPLICATION DIRECTIONS**

Apply the specified amount of this product in sufficient volume of water to ensure uniform and thorough coverage of the leaves. Ground equipment: apply 10-25 gallons per acre. Aerial applications: apply 3-10 gallons per acre.

Ensure adequate agitation is maintained during application.

## **APPLICATION RATES**

### **Restrictions**

- ♦ Do not exceed the total maximum application rate of 9.6 fl oz/A (0.3 lb a.i./A) per year from all pre-harvest and post-harvest applications.
- ♦ Do not make more than two pre-harvest applications, or two post-harvest applications, or a total of three applications per year.
- ♦ Pre-harvest interval (PHI): 5 days.

### **Use Rate for Applications under Normal Conditions**

- ♦ Single application rate: 4.0 fl oz/A (0.125 lb a.i./A)

### **Use Rate for Applications under Variable Conditions**

- ♦ Maximum single application rate of 6.4 fl oz/A (0.2 lb a.i./A)

For cutout and mature cotton under normal weather patterns, use this product at 1.6 to 3.2 fl oz/A (0.05 to 0.1 lb a.i./A). The 1.6 fl oz (0.05 lb a.i.) rate is most effective when used in a tank mix with other cotton defoliating products.

Increase rates of this product above 3.2 fl oz/A (0.1 lb a.i./A) to defoliate and control regrowth during periods of rank growth/high fertilizer conditions, extreme weather conditions, such as extended periods of rain and/or low temperatures (60-65°F), and on full-season cotton varieties.

Two applications not exceeding a total of 9.6 fl oz/A (0.3 lb a.i./A) per year may be necessary to defoliate rank cotton.

To Achieve an Application Rate of:	Use This Amount of Product	At the Indicated Rate, One Gallon of Product Will Treat:
0.05 lb a.i./Acre	1.6 fl oz/A	80 Acres
0.1 lb a.i./Acre	3.2 fl oz/A	40 Acres
0.125 lb a.i./Acre	4.0 fl oz/A	32 Acres
0.2 lb a.i./Acre	6.4 fl oz/A	20 Acres

### **ARIZONA ONLY - BOTTOM DEFOLIATION**

Use this product as an aid to improve air circulation within the cotton canopy and reduce boll rot and hard lock caused by moisture under the canopy.

Time the date of application so that application equipment can enter the fields without causing damage to the cotton crop.

Apply this product at a rate of 1.6 fl oz/A (0.05 lb a.i./A); direct the spray to the lower 1/3 part of the plants.

### **ARIZONA AND CALIFORNIA ONLY: PRECONDITIONING**

Apply this product as a preconditioner seven to ten days prior to application of other defoliant compounds to enhance defoliation. Consult the label of the other defoliant prior to use and observe all product label directions.

Apply this product at rates of 1.6 – 3.2 fl oz/A (0.05 - 0.1 lb a.i./A).

### **TANK MIXES**

It is the pesticide user's responsibility to ensure that all products included in the tank mix 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.

#### **FreeFall SC Cotton Defoliant Plus Ethephon-Containing Product – Boll Opening**

Use this product in a tank mix with a product containing ethephon (such as Super Boll®, Reg. No. 228-659) as an aid to improve defoliation and speed the opening of mature bolls. For best results, apply to mature cotton plants (refer to the APPLICATION TIMING section of this label). Ensure a sufficient number of bolls have matured prior to application in order to achieve good cotton yields. Certified cottonseed producers should consult seed companies to determine the boll and seed maturity requirements for their varieties. Low nighttime temperatures (below 60°F) may cause reduced defoliation or reduced regrowth suppression.

Apply FreeFall SC Cotton Defoliant at rates of 1.6 – 6.4 fl oz/A (0.05 - 0.2 lb a.i./A). Use the higher rates when excessive regrowth is expected or when temperatures are between 60-65°F.

#### **FreeFall SC Cotton Defoliant Plus Ethephon - Enhanced Defoliation**

Use this product plus the lower rates of a product containing ethephon (such as Super Boll, Reg. No. 228-659) to enhance defoliation without providing boll opening activity. Following this tank mix application, use Super Boll (or equivalent ethephon product) alone as a sequential treatment to promote boll opening.

Apply FreeFall SC Cotton Defoliant at rates of 1.6 - 6.4 fl oz/A (0.05 - 0.2 lb a.i./A). Use the higher rates when excessive regrowth is expected or when temperatures are between 60-65°F.

#### **FreeFall SC Cotton Defoliant Plus Tribufos – Not for Use in Cameron, Hidalgo, Starr and Willacy Counties of the State of Texas**

Use this product in a tank mix with a product containing tribufos (such as FOLEX 6 EC, Reg. No. 5481-504) to improve defoliation and regrowth suppression under less than ideal conditions, such as when overnight temperatures are expected to be below 60°F on the day of application and for three consecutive days after application. For optimum results, apply the tank mix to mature cotton plants with at least 60% open bolls.

Apply FreeFall SC Cotton Defoliant at rates of 1.6 - 6.4 fl oz/A (0.05 - 0.2 lb a.i./A). Use the higher rates when excessive regrowth is expected.

Use the lower rates of tribufos when nighttime temperatures are expected to be 65°F or above. Use the higher rates when conditions are not ideal.



If a second application of this tank mix is necessary, do not exceed a total of 9.6 fl oz/A of FreeFall SC Cotton Defoliant (0.3 lb a.i./acre) per year.

**Note:** The application of tank mixes of organophosphate defoliant plus this product at the highest use rates may cause desiccation during periods of high temperatures.

**Preparation of Tank Mixes of FreeFall SC Cotton Defoliant Plus tribufos**

1. Add one-half the amount of water required to the spray tank.
2. Begin agitation and add the required amount of this product.
3. Maintain agitation and add the remainder of the water.
4. Once FreeFall SC Cotton Defoliant is completely dispersed, add the required amount of tribufos product to the spray tank.
5. Maintain agitation throughout application.

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**CONTROL OF UNDESIRABLE COTTON FOLLOWING HARVEST \***

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*\*Not registered for use in California*

**Tank Mix with a Herbicide Product**

Apply FreeFall SC Cotton Defoliant at a rate of 3.2 fl oz/A (0.1 lb a.i./A) with a herbicide product registered for cotton stalk destruction.

For best results, wait 2 to 6 weeks after final harvest and apply at the initiation of visible regrowth. Improved regrowth suppression has been shown when crop oil concentrate at 1% v/v is mixed with this product.

**Restrictions**

- ♦ Do not exceed the maximum single application rate of 3.2 fl oz/A (0.1 lb a.i./A).
- ♦ Do not make more than two pre-harvest applications, or two post-harvest applications, or a total of three applications per year.
- ♦ Do not exceed the total maximum application rate of 9.6 fl oz/A (0.3 lb a.i./A) per year from all pre-harvest and post-harvest applications.

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**SPRAY TANK CLEANOUT INSTRUCTIONS**

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**IMPORTANT:** Residues form in the spray equipment of tank mixes of this product plus organophosphates. The residues can be removed using a commercial tank cleaner as long as the spray equipment is cleaned while the residue is still fresh and moist. **DO NOT ALLOW SPRAY EQUIPMENT TO DRY BEFORE CLEANING.** Consult your State Extension Cotton Specialist for instructions on tank cleaners and cleaning procedures.

Immediately after application, flush the entire system (nozzles, booms, application tanks, sumps, pumps, and transfer lines, etc.) using a tank cleaner and water.

Should the spray solution be allowed to dry in the application equipment, the residues will be more difficult to remove. Use the commercial tank cleaner diluted with water to completely fill the equipment and let it stand for 7 days. Then, completely flush and rinse all equipment with water.

If spray application equipment is not thoroughly cleaned, residues of this product will remain and be released during subsequent applications and lead to crop damage.

To the extent consistent with applicable law, Nufarm assumes no liability for crop damage due to spray equipment that has not been properly cleaned before re-use.

## STORAGE AND DISPOSAL

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

**STORAGE:** Store product at temperature less than 100°F. Re-mix product prior to use if product is exposed to freezing conditions.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### CONTAINER HANDLING:

**[Note to Reviewer:** The following statement will be included on all Final Printed Labels bearing multiple Container Handling statements] **“NOTE:** This product is available in multiple containers. Refer to the Net Contents section of this product’s labeling for the applicable “Nonrefillable” or “Refillable” designation. Follow the container handling instructions below that apply to your container type/size.”

#### **[Nonrefillable Containers 5 Gallons or Less]**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 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 or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers are also disposable by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

#### **[Nonrefillable containers larger than 5 gallons]**

Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure 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 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure-rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Plastic containers are also disposable by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

#### **[Refillable containers larger than 5 gallons]**

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

## WARRANTY DISCLAIMER

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