



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

September 29, 2023

Arianna Shorey
Regulatory Consultant
Loveland Products, Inc.
c/o Pyxis Regulatory Consulting Inc.
4110 136th St. Ct. NW
Gig Harbor, WA 98332

Subject: Label Amendment to Apply Early Organophosphate Mitigations to Applicable Tribufos Products
Product Name: DFT 6 EC Cotton Defoliant
EPA Registration Number: 34704-867
Application Date: 07/10/2023
Decision Number: 592869

Dear Arianna Shorey,

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

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

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.

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

If you have any questions about this letter, please contact Anna Romanovsky via email at romanovsky.anna@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kelly Sherman", with a long horizontal flourish extending to the right.

Kelly Sherman, Chief
Risk Management and Implementation Branch 3
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure



DFT 6 EC Cotton Defoliant

ACCEPTED

Sep 29, 2023

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 34704-867

[Cotton Defoliant]
 [VERY LOW ODOR]
 [FOR FAST AND EFFECTIVE COTTON DEFOLIATION]

ACTIVE INGREDIENT:

Tribufos: S, S, S- Tributyl phosphorotrithioate	70.5%
OTHER INGREDIENTS:	29.5%
TOTAL	100.0%

Contains Petroleum Distillates
 Contains 6.0 pounds tribufos: S,S,S-Tributyl phosphorotrithioate per U.S. gallon

STOP – Read the label before use.

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

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

FIRST AID	
CONTAINS AN ORGANOPHOSPHATE THAT INHIBITS CHOLINESTERASE	
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.	
Note to Physician: This product inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system and the somatic motor nerves. Poisoning with this product also results in cardiovascular and respiratory symptoms which must be treated as separate pathological entities apart from the cholinergic effects.	
Use atropine sulfate to reverse cholinergic symptoms; maintain a systematic, symptomatic treatment of the cardiovascular and respiratory effects, even though the cholinergic symptoms have ceased. Do not give central nervous system depressants. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. The use of oxygen is recommended in case of respiratory distress. Probable mucosal damage may contraindicate the use of gastric lavage. May pose an aspiration pneumonia hazard. Contains petroleum distillate.	

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For assistance with any spill, leak, fire or exposure involving this material, call day or night, CHEMTREC – 1800-424-9300.

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EPA Est. No. 34704-MS-001

NET CONTENTS 2.5 GAL (9.46L)

[For additional Precautionary Statements; (complete) (First Aid,) Directions for Use, Storage and Disposal and other Use Information, see (inside) (this) (label) (booklet) (booklet label) (container label) (booklet and container label).]

[For Additional Precautionary Statements, Directions for Use, and Other Use Information, See Inside (This) [(attached) Label Booklet.]

[See (inside this) (product) label (booklet) for (additional) Precautionary Statements, (and) Directions for Use (and Storage and Disposal)]

**DFT 6 EC COTTON DEFOLIANT
EPA REG. NO. 34704-867**

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

DANGER: Corrosive. Causes skin burns and irreversible eye damage. May be fatal if absorbed through skin or swallowed. Harmful if inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing vapor or spray mist.

Personal Protective Equipment (PPE):

Some materials that are chemical resistant to this product are made out of barrier laminate, butyl rubber, nitrile rubber, or viton. If you want more options, follow the instructions for category F on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants,
- Chemical-resistant gloves,
- Chemical-resistant footwear plus socks,
- Protective eyewear,
- Chemical-resistant headgear for overhead exposure, and
- Chemical-resistant apron when cleaning equipment, mixing, or loading.

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

ENGINEERING CONTROLS STATEMENTS:

Mixers and loaders supporting aerial and ground applications must use a mechanical transfer system that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607 (d-f)] for providing dermal protection. The system must be capable of removing the pesticide from the shipping container and transferring it into mixing tanks and/or application equipment. At any disconnect point, the system must be equipped with a dry disconnect or dry couple shut-off device that is warranted by the manufacturer to minimize drippage to not more than 2 milliliters per disconnect point. In addition to wearing the specified PPE, all handlers of this product must wear chemical resistant gloves and a chemical resistant apron. Persons using a closed system that operates under pressure shall wear protective eyewear.

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

USER SAFETY RECOMMENDATIONS

User should:

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

ENVIRONMENTAL HAZARDS

This product is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates. 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 apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as specified on this label.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

Application Restrictions

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. Cotton treated with this product must be mechanically harvested. Hand harvesting is prohibited. Do not allow this product to drift.

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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 10 days for fields treated at application rates above 1 pint (0.75 lb ai)/A and 7 days for fields treated at application rates at or below 1 pint (0.75 lb ai)/A.

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

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

PRODUCT INFORMATION

DFT 6 EC Cotton Defoliant is a cotton defoliant which may be used for the removal of leaves from cotton plants prior to the anticipated harvest of the crop. DFT 6 EC Cotton Defoliant contains 6.0 pounds of active ingredient per gallon. It is noncorrosive and non-clogging to spray equipment and does not constitute a fire hazard.

DFT 6 EC Cotton Defoliant must be applied in sufficient amounts of spray carrier to provide thorough coverage of leaves.

DFT 6 EC Cotton Defoliant treated leaves do not appear affected until defoliation actually begins and the leaves drop in a green condition. Under favorable conditions, defoliation of cotton normally occurs within 4 to 7 days following application. Adverse conditions such as low temperature (especially temperatures below 60°F at night), low humidity or plant stress may extend the defoliation time to 9 to 14 days. Under these adverse conditions, use the higher specified DFT 6 EC Cotton Defoliant rate and/or use diesel oil rather than water as the spray carrier.

Heavy rainfall during or immediately following a DFT 6 EC Cotton Defoliant application may result in reduced performance.

Application is not recommended when a heavy rainfall is expected within 1 hour after treatment. Dew on the plant leaves at time of application should not affect performance.

DFT 6 EC Cotton Defoliant does not suppress second growth (regrowth), especially where rainfall follows defoliation. A second application of DFT 6 EC Cotton Defoliant or a tank mixture of DFT 6 EC Cotton Defoliant with specified labeled cotton harvest aid products will be effective for defoliation of the second growth if excessive second growth has occurred.

DFT 6 EC Cotton Defoliant may be used alone for bottom defoliation or for general plant defoliation. DFT 6 EC Cotton Defoliant may also be applied in tank mixture with specified registered products for enhanced cotton harvest aid activity.

USE RESTRICTIONS

Do not apply by air more than 1 pint (0.75 lb ai)/A of DFT 6 EC Cotton Defoliant per year.

Do not apply by ground more than 1.5 pints (1.125 lbs ai)/A of DFT 6 EC Cotton Defoliant per year.

DFT 6 EC Cotton Defoliant is suitable for use in all power-operated ground and aircraft sprayers. Do not apply DFT 6 EC Cotton Defoliant through any type of irrigation equipment.

Do not use DFT 6 EC Cotton Defoliant on any other crop except cotton. Avoid spray drift to susceptible plants, as this product may injure or defoliate other crops.

Do not graze treated fields.

Do not apply DFT 6 EC Cotton Defoliant within 7 days of harvest.

Observe all labeling cautions and limitations of all products used in tank mixtures.

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Aerial Application Mixers, Loaders, and Applicators: Do not handle more than 100 gallons of product per person per day (which is enough to treat 800 acres).

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 641 (ASABE S641). If the windspeed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Do not apply during temperature inversions.
- Do not apply within 200 feet of residential areas.

Ground Boom Applications:

- Do not release spray at a height greater than 4 feet above the ground or crop canopy.
- Applicators must select nozzle and pressure that deliver medium or coarser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 10 mph at the application site.
- Do not apply during temperature inversions.
- Do not apply within 25 feet of residential areas with a low boom (up to 2 feet above the ground or crop canopy).
- Do not apply within 50 feet of residential areas with a high boom release height (up to 4 feet above the ground or crop canopy).

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.

Controlling Droplet Size – Aircraft

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

BOOM HEIGHT – Ground Boom

- For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

- Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

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

TEMPERATURE AND HUMIDITY

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

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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.

WIND

Drift potential generally increases with wind speed. Drift potential is lowest between wind speeds of 2-10 mph. However, many factors including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns.

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

AERIAL SPRAY DRIFT MANAGEMENT

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

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed $\frac{3}{4}$ the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.
3. Where states have more stringent regulations, they should be observed.

MIXING INSTRUCTIONS

Compatibility of DFT 6 EC Cotton Defoliant or its labeled tank mix products should always be predetermined prior to mixing. Refer to the COMPATIBILITY SECTION of this label for further details.

DFT 6 EC Cotton Defoliant Alone: Fill the spray tank $\frac{1}{2}$ to $\frac{3}{4}$ full of clean water. Initiate the recirculation and agitation system and add the specified amount of DFT 6 EC Cotton Defoliant. Continue sufficient agitation from the time of mixing through application to ensure a uniform spray mixture. Follow the same mixing instructions when diesel oil is substituted for water.

DFT 6 EC Cotton Defoliant Tank Mixtures: Fill the spray tank $\frac{1}{2}$ to $\frac{3}{4}$ full of clean water and begin the sprayer recirculation and agitation system. If tank mixing with wettable powders of other dry products, make a slurry of these products with water and add slurry slowly to the spray tank. Next add the specified amount of DFT 6 EC Cotton Defoliant. If mixing spray adjuvants in the mixture, add them after all other products have been mixed. Fill the spray tank to the desired level with water and continue agitation during transport and application until the spray tank is empty. Follow the same mixing instructions when diesel oil is substituted for water.

Addition of Adjuvants: To improve spray coverage, DFT 6 EC Cotton Defoliant may be applied with the following types of adjuvants:

1. commercial blends of vegetable or petroleum-based oils,
2. non-ionic surfactant and
3. diesel oil (if allowed by local regulations). Adding or using diesel oil (3.0 to 5.0 gallons by air or a minimum of 5.0 gallons by ground) may be helpful when night temperatures drop below 60°F, plants are under moisture stress, or on storm-proof cotton varieties.

Use only those adjuvants which are exempt from tolerance requirements under 40 CFR 180.1001.

Compatibility: To determine the compatibility of DFT 6 EC Cotton Defoliant with other products, do the following:

1. pour the specified proportions of the products into a suitable container of water,
2. mix thoroughly and
3. allow to stand at least 5 minutes. If the combination remains mixed or can be re-mixed readily, it is considered physically compatible. For further information contact your local Loveland Products, Inc. representative.

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SPRAY EQUIPMENT CLEANING AND DECONTAMINATION

Immediately after applying DFT 6 EC Cotton Defoliant alone or in tank mixtures, remove all unused spray mixture and follow directions on this label for disposal. Do not allow the pesticide mixtures to dry in the spray equipment. Dried pesticide residues may become resuspended and damage other crops if uncleaned spray equipment is used to apply other products during the same or the following year.

Thoroughly clean the spray tank, lines, nozzles and exterior surfaces of equipment immediately before and after applying DFT 6 EC Cotton Defoliant alone or tank mixtures and before using the spray equipment the following year. Use a cleaner such as "Spic and Span®," "Fantastik®," or "Formula 409®." Remove dried deposits from the exterior surfaces, especially aircraft fabric. This cleaning is particularly important if the spray equipment has been used to apply products containing thidiazuron or products containing chlorates. Follow directions on this label for disposal of wash and rinse water.

APPLICATION PROCEDURES

DFT 6 EC Cotton Defoliant alone may be applied with all suitable power operated ground and aircraft sprayer. If applying DFT 6 EC Cotton Defoliant in tank mixture, refer to the application procedures of the tank mix partner and follow the most restrictive label. Do not apply DFT 6 EC Cotton Defoliant through any type of irrigation system.

Ground Application: Use spray equipment that provides a uniform and accurate application. A minimum spray volume of 10.0 gallons per acre is specified when DFT 6 EC Cotton Defoliant is applied with water and a minimum of 5.0 gallons per acre is specified when DFT 6 EC Cotton Defoliant is applied in diesel oil.

Aerial Application: Use aerial equipment calibrated to provide accurate and uniform spray coverage and application rates and to minimize the potential for spray drift. Do not apply when wind may cause drift.

A minimum spray volume of 5.0 gallons per acre should be used when DFT 6 EC Cotton Defoliant and tank mixtures with DFT 6 EC Cotton Defoliant are applied with water. DFT 6 EC Cotton Defoliant alone may be applied in a minimum of 3.0 gallons of spray volume per acre when using diesel oil (minimum of 5.0 gallons per acre in California).

Aerial applicators must be in enclosed cockpits.

USE RATES

Use the specified use rate of DFT 6 EC Cotton Defoliant in water or once refined vegetable oil or diesel oil. Apply sufficient spray to ensure uniform leaf wetting. All leaves must be treated for complete defoliation. DFT 6 EC Cotton Defoliant does not suppress secondary growth.

Application Rates				
Crop	DFT 6 EC Cotton Defoliant Rate Pt/A		Minimum Water Spray Volume* Gal/A	
	Air	Ground	Air	Ground
Cotton^[†] [† All states except [CA] [and] [AZ]]	1.0	1.3 to 1.5	5.0	15.0
	General Plant Defoliation ^a Apply specified dosage/A to give thorough coverage of leaves when at least 50% of bolls are open, or according to local specifications for Node Above Cracked Boll (NACB). For LV/ULV application, use not less than 1.5 pt/A of once refined vegetable oil. For rank cotton, see below.			
Cotton^[†] [† All states except [CA] [and] [AZ]]	-	1.0 to 1.5	-	10.0
	Bottom Defoliation ^b Apply specified dosage (the rate should be proportional to the fraction of the plant being defoliated)/A with spray directed only to the lower part of the plant where mature bolls are found.			
Rank Cotton^[†] [† All states except [CA] [and] [AZ]]	1.0	1.5	5.0	15.0
	Rank Cotton Defoliation Apply specified dosage/A to give thorough coverage of leaves when at least 50% of bolls are open, or according to the local specifications for Node Above Cracked Boll (NACB). The total rate may be applied in 1 or 2 applications (2 to 6 weeks apart) either alone or in an approved tank mix. To achieve more complete general plant defoliation, especially when using the 1.5 pts/A for ground applications, use with an approved tank mixture is highly recommended. For LV/ULV applications, a maximum of 1.5 pt/A of DFT 6 EC			

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	Cotton Defoliant/use season may be applied in not less than 1.5 pt/A of once refined vegetable oil.			
Long Staple Cotton (including Pima)^[†] [† All states except [CA] [and] [AZ]]	1.0	1.5	5.0	15.0
	Long Staple (including Pima) Cotton Defoliation			
	Apply specified dosage to mature cotton plants with 50% or more open bolls. For best results on pima cotton, use in tank mix combination with 0.2 to 0.4 lb of product containing thidiazuron per acre when 60% or more bolls are open.			
<p>^a General Plant Defoliation: Apply to mature cotton plants when 50% or more of the bolls are open and 7 to 10 days prior to anticipated picking. Plants are considered mature if the youngest bolls 1) cannot be dented by pressure between the thumb and forefinger or 2) cannot be cut through easily with a sharp knife.</p> <p>^b Bottom Defoliation: Losses from rot and weathering may be reduced by using DFT 6 EC Cotton Defoliant to increase air movement and sunlight to bottom bolls. Use shielded drop nozzles to direct sprays to the lower leaves. By removing the picker's top 8 to 12 rows of spindles, the exposed bolls may be harvested. The picker will not injure the untreated top leaves and immature bolls. DFT 6 EC Cotton Defoliant may be applied for entire plant defoliation when top bolls are mature.</p> <p>* If using diesel oil as the spray carrier, refer to the APPLICATION PROCEDURES section for minimum spray volume information.</p>				

TANK MIX PARTNERS

DFT 6 EC Cotton Defoliant may be applied in tank mixture with additional registered cotton harvest aid products to enhance cotton desiccation, defoliation and/or regrowth control. They may be applied with similar timings and methods as DFT 6 EC Cotton Defoliant alone unless specifically prohibited in the mix partner product label. In some cases, cotton harvest aid performance may be affected by the temperature sensitivity of the tank mix partner. Refer to the individual product labels for additional information on use rates, precautions and/or restrictions. The following products are recommended for tank mixtures with DFT 6 EC Cotton Defoliant:

[Boll'd®] [(9779-349)] [55.4%][Ethephon]
[CottonQuik®] [(228-607)] [18.3%][Ethephon];[and][58.6%][Urea, Sulfate (1:1)]
[Products containing Paraquat Dichloride][Products containing Thidiazuron][WP] [or similar][formulation]
[Ethephon 6] [55.4%][Ethephon] [and] [Products containing Ethephon]
[Finish® 6 Pro] [264-703] [Products containing Cyclanilide]
[GinStar®] [(264-634)] [6%][Diuron];[and][12%][Thidiazuron]
[Gramoxone® products][and]
[Prep®] [brand products] [(264-418)] [55.4%][Ethephon]
[Roundup®] [(524-445)] [41%][Glyphosate IPA] [Glyphosate] [Products containing Glyphosate][alone][and products containing Glyphosate in combination with other active ingredients]
[Roundup Ultra®] [(524-475)] [41%][Glyphosate IPA]
[SuperBoll®] [(228-659)] [55.4%][Ethephon]

Tank Mix Partners	Remarks
Products containing Thidiazuron [WP] [or similar][formulation]	<p>Use 1.0 to 1.5 pt of DFT 6 EC Cotton Defoliant plus 0.066 to 0.1 lb/A of thidiazuron for defoliation and inhibition of secondary growth (regrowth). Tank mix activity is maximum when 60% or more bolls are open and the mean 24-hour temperature before and after application is above 60°F.</p> <p>Adverse conditions may require</p> <ol style="list-style-type: none"> 1) use of the maximum dosage, 2) a second application or 3) longer time for complete defoliation. <p>Mix DFT 6 EC Cotton Defoliant and thidiazuron combinations in the following order:</p> <ol style="list-style-type: none"> 1) water, 2) thidiazuron (as per label), 3) after thidiazuron has completely dispersed add DFT 6 EC Cotton Defoliant and 4) adjuvant (if used). Do not apply this combination to immature cotton (<60% open boll) or at higher than specified use rates as desiccation and leaf freezing may occur.

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	When used in citrus growing areas, observe buffer zones restrictions. Refer to the thidiazuron label for additional precautions, restrictions or comments.
<p>[Products containing Ethephon][, including] [Boll'd] [(9779-349)] [55.4%][Ethephon] [Ethephon 6] [55.4%] [Ethephon] [Prep] [(264-418)] [brand products] [55.4%][Ethephon] [SuperBoll] [(228-659)] [55.4%] [Ethephon] [CottonQuik] [(228-607)] [18.3%][Ethephon];[and] [58.6%] [Urea, Sulfate (1:1)] [Finish 6 Pro] [264-703] [Products containing Cyclanilide]</p>	Tank mix with DFT 6 EC Cotton Defoliant at 1.0 pt/A, for aerial applications, or 1.0 to 1.5 pt/A , for ground applications, for enhanced speed of defoliation and cotton boll opening. Refer to the tank mix partner's label for the use rates, precautions, restrictions and additional comments.
<p>[Ginstar [(264-634)] [6%][Diuron];[and][12%] [Thidiazuron] [Gramoxone® products][and] [Products containing Paraquat Dichloride]</p>	Tank mix with DFT 6 EC Cotton Defoliant at 1.0 pt/A, for aerial applications, or 1.0 to 1.5 pt/A, for ground applications, for enhanced desiccation of cotton and certain weed species. Refer to the tank mix partner's label for use rates, precautions, restrictions and additional comments.
<p>[Roundup] [(524-445)] [41%][Glyphosate IPA] [Glyphosate] [Products containing Glyphosate] [alone][and products containing Glyphosate in combination with other active ingredients] [Roundup Ultra] [(524-475)] [41%] [Glyphosate IPA]</p>	In states where permitted, tank mix with DFT 6 EC Cotton Defoliant at 1.0 pt/A, for aerial applications, or 1.0 to 1.5 pt/A, for ground applications, for enhanced defoliation, regrowth control and additional late season weed control. Refer to the tank mix partner's label for use rates, precautions, restrictions and additional comments.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth, or synthetic absorbent.

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

CONTAINER HANDLING:

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at www.acrecycle.org. If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

For packages up to 5 gallons: 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.

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.

For packages greater than 5 gallons and less than 56 gallons: 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.

For packages greater than 56 gallons: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

For refillable containers: Refill this container with this product 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 mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC – 1-800-424-9300.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

BEFORE BUYING OR USING THIS PRODUCT, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

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