

34704-867

7/2/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Robert Avalos  
Loveland Products, Inc.  
P.O. Box 1286  
Greeley, CO 80632

JUL -2 2014

Subject: Notification; Per PR-Notice 98-10  
DFT 6 EC Cotton Defoliant  
EPA Reg. No. 34704-867  
Date Submitted: June 30, 2014

Dear Mr. Avalos:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated June 30, 2014 for the product referenced above. 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.

If you have any questions regarding this letter, please contact me at (703) 306-0415 or [davis.kable@epa.gov](mailto:davis.kable@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", written over a horizontal line.

Kable Bo Davis  
Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

United States <b>EPA</b> <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
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**Application for Pesticide - Section I**

1. Company/Product Number 34704-867	2. EPA Product Manager Kable 'Bo' Davis	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DFT 6 EC COTTON DEFOLIANT	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Loveland Products Inc. P.O. Box 1286 Greeley, CO 80632-1286 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____ Product Name _____

**Section - II**

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application. Agency letter dated _____
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For Section I and Section II.)  
 Notification- remove Mode of action box from the Master Label.

NOTIFICATION

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This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

**1. Material This Product Will Be Packaged In:**

Child Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt.    No. per container	If "Yes" Package wgt    No. per container

3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) Retail Container 2.5 gal; 60 gal; 270 gal; bulk	5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Label accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Other self adhesive <input type="checkbox"/> Stenciled		

**Section - IV**

**1. Contact Point** (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Robert Avalos robert.avalos@cpsagu.com	Title Manager of Registrations	Telephone No. (Include Area Code) (970) 685-3355
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Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statements may be punishable by fine or imprisonment or both under applicable law.

2. Signature 	3. Title Manager of Registrations	6. Date Application Received  (Stamped)
4. Typed Name Robert Avalos robert.avalos@cpsagu.com	5. Date 6/30/2014	

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GROUP INSECTICIDE

# DFT 6 EC

## 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%	
	<b>TOTAL</b>	<b>100.0%</b>

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

**NOTIFICATION**  
**JUL -2 2014**

**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.)

<b>FIRST AID</b>	
<b>CONTAINS AN ORGANOPHOSPHATE THAT INHIBITS CHOLINESTERASE</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 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</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>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  <b>FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.</b>  <b>Note to Physician:</b> 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.</p>	

EPA REG. NO. 34704-867  
EPA EST. NO. 34704-MS-001  
NET CONTENTS 2.5 GAL (9.46L)

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**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 applications must use a mechanical transfer system that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)] 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.

**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.

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**DFT 6 EC COTTON DEFOLIANT**  
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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 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.

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information.

**Aerial Drift Reduction Advisory:** This section is advisory in nature and does not supersede the mandatory label requirements.

**Information on 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. 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).

**Controlling Droplet Size**

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Do not exceed the nozzle manufacturer's specified pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of nozzles** - Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **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. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

**Boom Length:** For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

**Application Height:** Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

**Swath Adjustment:** When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.)

**Wind:** Drift potential is lowest between wind speeds of 2 to 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. Every applicator should be familiar with local wind patterns and how they affect spray drift.

**Temperature and Humidity:** When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

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

**Sensitive Areas:** The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

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**DFT 6 EC COTTON DEFOLIANT  
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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 7 days.**

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 more than 1.5 pints (1.125 pounds active ingredient per acre) of DFT 6 EC Cotton Defoliant per acre per year in all states except California and Arizona.

Do not apply more than 2.5 pints (1.875 pounds active ingredient per acre) per acre per year in California and Arizona only.

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.

**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.

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**DFT 6 EC COTTON DEFOLIANT**  
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**DFT 6 EC Cotton Defoliant Alone:** Fill the spray tank 1/2 to 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 1/2 to 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.

**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 Dropp® 50WP 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.

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Crop	Application Rates		
	DFT 6 EC Cotton Defoliant Rate Pt/A	Minimum Water Spray Volume*	
		Air	Ground
Cotton	AZ and CA	5.0	15.0
	All Other States		
	General Plant Defoliation <sup>a</sup> 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.		
	All States	1.0 to 1.5	10.0
Bottom Defoliation <sup>b</sup> 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	AZ and CA	5.0	15.0
	All Other States		
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 pt, use with an approved tank mixture is highly recommended. For LV/ULV applications, a maximum of 2.5 (CA, AZ) or 1.5 (all other states) pt/A of DFT 6 EC 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)	AZ and CA	5.0	15.0
	All Other States		
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 Dropp 50 WP/A when 60% or more bolls are open.			

<sup>a</sup> 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.

<sup>b</sup> 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.

\* If using diesel oil as the spray carrier, refer to the APPLICATION PROCEDURES section for minimum spray volume information.

**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:

- |              |            |                |            |
|--------------|------------|----------------|------------|
| Accelerate®  | Dropp      | Harvade        | Starfire   |
| Boll'd®      | Ethephon 6 | Prep® PC       | SuperBoll® |
| Cotton-Aide® | Finish®    | Quik Pic       |            |
| CottonQuik®  | Ginstar®   | Roundup®       |            |
| Cyclone®     | GK Prep    | Roundup Ultra® |            |



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Tank Mix Partners	Remarks
Dropp	<p>Use 1.0 to 1.5 pt of DFT 6 EC Cotton Defoliant plus 0.066 to 0.1 lb of Dropp 50 WP 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"> <li>1) use of the maximum dosage,</li> <li>2) a second application or</li> <li>3) longer time for complete defoliation.</li> </ol> <p>Mix DFT 6 EC Cotton Defoliant and Dropp 50 WP combinations in the following order:</p> <ol style="list-style-type: none"> <li>1) water,</li> <li>2) Dropp 50 WP (as per label),</li> <li>3) after Dropp 50 WP has completely dispersed add DFT 6 EC Cotton Defoliant and</li> <li>4) adjuvant (if used). Do not apply this combination to immature cotton (&lt;60% open boll) or at higher than specified use rates as desiccation and leaf freezing may occur.</li> </ol> <p>When used in citrus growing areas, observe buffer zones restrictions. Refer to the Dropp 50 WP label for additional precautions, restrictions or comments.</p>
Accelerate Boll'd CottonQuik Ethephon 6 Finish GK Prep Prep Prep PC SuperBoll	<p>Tank mix with DFT 6 EC Cotton Defoliant at 1.0 to 1.5 pt/A 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>
Cyclone Star® Ginstar Harvade Quick Pic Starfire	<p>Tank mix with DFT 6 EC Cotton Defoliant at 1.0 to 1.5 pt/A 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 Roundup Ultra	<p>In states where permitted, tank mix with DFT 6 EC Cotton Defoliant at 1.0 to 1.5 pt/A 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.</p>

**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](http://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

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**Storage & Disposal cont'd.:**

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.**

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