

## **COTTON - DEFOLIATION OF RANK COTTON (ALL OTHER STATES)**

### General Information

#### GENERAL INFORMATION

FOLEX 6 EC is a cotton defoliant that is used to remove leaves from cotton plants prior to anticipated harvesting. Formulated as an emulsifiable concentrate. FOLEX 6 EC contains 6 pounds active ingredient per gallon. FOLEX 6 EC is most commonly mixed with water and applied to cotton using either ground or aerial equipment. However, diesel oil may be substituted for water under adverse weather conditions. FOLEX 6 EC is non-corrosive and will not damage metal parts normally used in applying spray chemicals.

FOLEX 6 EC usually drops leaves in a green condition and will not appear effective until defoliation actually begins, approximately 3 days after application. By this time, the field will have an "off-cast" color. Under favorable conditions, satisfactory leaf drop will require 5 to 7 days. Adverse conditions, such as low temperatures and/or toughened plants (drought stressed, etc.) may extend this to 10 to 14 days.

FOLEX 6 EC is effective when applied to cotton with a heavy dew. Once FOLEX 6 EC has dried on the leaf, subsequent rainfall or dew does not adversely affect its activity. Application of FOLEX 6 EC is not recommended when a heavy rainfall is expected within 1 hour after treatment. Conditions which delay absorption into the leaves are primarily those which cause the cotton leaves to be wilted, toughened, or leathery. When these conditions prevail, use diesel oil instead of water.

FOLEX 6 EC does not suppress second growth especially where rainfall follows defoliation. A second application of FOLEX 6 EC will be effective in defoliation of this second growth if excessive regrowth occurs between the first application and first and/or second harvest. FOLEX 6 EC must be applied in sufficient water or diesel oil to give thorough coverage of the leaves. Larger droplets more effectively reach the lower leaves.

Use the higher FOLEX EC rate under conditions of low temperature, low humidity, of plant stress.

FOLEX 6 EC may be used alone for bottom defoliation of the leaves on the lower

portion of the plant as a preconditioner prior to total defoliation, or as a total defoliation treatment. FOLEX 6 EC may also be used in combination with Dropp (tank mix).

**IMPORTANT:** Observe all cautions and limitations on labels of all products used in mixtures specifically when FOLEX 6 EC is tank mixed with products for use on cotton in areas where citrus is grown. Observe buffer zones and other restrictions on the FOLEX 6 EC label and/or in the manufacturer's recommendations for FOLEX 6 EC.

## APPLICATION PROCEDURES

Do not apply FOLEX6 EC through any type of irrigation system.

FOLEX 6 EC alone and in a tank mixture with Dropp can be applied by both ground and aerial equipment.

### GROUND APPLICATION

Use a standard high clearance sprayer that provides a uniform accurate application. Sprayer should be equipped with screens no finer than 50 mesh in the nozzle tips and in-line strainers. A minimum spray volume of 10 gallons per acre is recommended when FOLEX 6 EC is applied with water and a minimum of 5 gallons per acre is recommended when FOLEX 6 EC is applied with diesel oil.

Do not allow sprays to drift from the application site and contact people, structures people occupy at any time and nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

For ground rig applications, apply product no more than 4 feet above the ground or the crop canopy and only when wind speed is 10 mph or less at the application site as measured by an anemometer.

### AERIAL APPLICATION

Use aerial equipment equipped with a diaphragm-type nozzle that produces cone spray patters with a maximum spray pressure of 40 psi at the nozzle tips. Nozzles should be located no farther than 3/4 the distance from the center of the aircraft to the end of the wing or rotor. The aircraft should discharge the spray a maximum of 10 feet above the crop.

Do not apply when winds may cause drift to adjacent fields.

A minimum spray volume of 5 gallons per acre should be used when FOLEX 6 EC and tank mixtures with FOLEX 6 EC are applied with water. FOLEX 6 EC alone may be applied in a minimum of 3 gallons of spray volume per acre when using diesel oil (minimum of 5 GPA in California).

Aerial applicators must be in enclosed cockpits.

**BOTTOM DEFOLIATION OF SEED COTTON:** Losses from rot and weathering can be reduced by using FOLEX 6 EC to increase air movement and sunlight to bottom bolls. Use shielded drop nozzles to direct spray to the lower leaves. Remove the picker's top 8 to 12 rows of spindles to harvest the lower bolls. The picker will not injure the 11477-20140130 FOLEX 6EC Page 7 of 8 untreated top leaves and immature bolls. FOLEX 6 EC may be applied for complete defoliation when top bolls are mature.

## Limitations, Restrictions, and Exceptions

### Minimum Spray Volumes

Ground: 15 Gallons per acre

Air: 5 Gallons per acre

### Directions:

Defoliation of Rank Cotton: Apply when 50% or more of the bolls are open.

Treatment can consist of two applications (example: tank mix) but the total cannot exceed 2-1/2 pints/A. Applications can be made until first frost.

### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field\\_rates 0](#)

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Restricted Entry Interval

7 days

Timings

[When 50% or more of the bolls are open.](#)