

## **ARIZONA ONLY: BOTTOM DEFOLIATION**

### General Information

#### PRODUCT INFORMATION

THIDIAZURON 4 SC, a harvest aid compound, is used for leaf removal prior to cotton harvest. THIDIAZURON 4 SC can be used in aircraft or ground equipment and is easily dispersed in water. Several days may pass before effects of treatment may be observed. Low temperature and other adverse conditions may require longer times and/or higher dosages for adequate defoliation.

THIDIAZURON 4 SC diminishes lint staining at the time of harvest and ginning by slowing regrowth.

#### USE RESTRICTIONS

This product is not to be applied through any type of irrigation system. The efficacy of THIDIAZURON 4 SC will be diminished if rainfall occurs within 24 hours post application.

Foliage from treated plants or gin trash is not to be fed to livestock. Do not use immature crops for feed.

#### TIME OF APPLICATION

THIDIAZURON 4 SC defoliant applications are to be made only on mature cotton plants when the uppermost harvestable boll is mature. Boll maturity is defined as: 1) when a boll is squeezed between thumb and finger, it does not dent; 2) when cutting a cross section with a sharp knife is difficult; 3) when seeds in cross section lack liquid within the seed coat or outer edges of seed coat are light brown; and 4) when fully developed cotyledons are present.

Make applications of THIDIAZURON 4 SC at least five (5) days prior to expected harvest date.

NOTE: The following conditions will determine adequate defoliation with THIDIAZURON 4 SC:

- Cotton is actively growing
- High relative humidity
- Cotton plant leaves are turgid and not desiccated

#### THIDIAZURON 4 SC AS A FOLLOW UP DEFOLIATION TREATMENT

Reduced or unsatisfactory defoliation may occur when THIDIAZURON 4 SC is used as a second or follow up treatment, except when following a prior THIDIAZURON 4 SC or THIDIAZURON 50WP stand alone or tank mixed application with other defoliants. Also, see CONDITIONS.

#### CROP OIL/ADJUVANTS USAGE

Crop oil concentrates (COC's) or penetrating oils approved for agricultural crops have shown to improve performance under low nighttime temperatures (60°-65°F) and heat or drought conditions. Follow adjuvant label recommendations for proper rates.

Adjuvant usage in the desert Southwest (i.e., Arizona and California) is recommended when applying THIDIAZURON 4 SC.

**ATTENTION:** During periods of high temperature, the use of adjuvants may result in the freezing and/or desiccation of leaves. As a result, the use of such compounds is not recommended during high temperature periods.

#### APPLICATION

Use an adequate volume of water with the specified amount of THIDIAZURON 4 SC defoliant to uniformly and completely cover leaves. For ground equipment, apply 10-25 gallon per acre and by air, use 3-10 gallons per acre. Maintain agitation during application.

Do not allow mixed spray solution to stand overnight.

Limitations, Restrictions, and Exceptions

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THIDIAZURON 4 SC can be used to help reduce boll rot and hard lock caused by

moisture retained in the canopy, by aiding improved air circulation within the cotton canopy. Base product application timing upon the latest date when application equipment will not cause significant crop damage when driving applicator through the cotton crop.

It is recommended to apply THIDIAZURON 4 SC only to the bottom 1/3 of the plant.

#### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

#### Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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#### Restricted Entry Interval

24 hours

#### Timings

[Preharvest](#)

[When the uppermost harvestable boll is mature.](#)