

## **COTTON - EXPECTED CONDITIONS: HOT, DRY OVER 80° F**

### General Information

#### PRODUCT INFORMATION

Use this product on cotton to accelerate opening of mature cotton bolls, promote defoliation of both mature and juvenile foliage, and reduce terminal regrowth. This product promotes earlier harvest and enhances the potential for high quality, high yield, once-over harvest. Rainfall, stress, temperature fluctuations, residual nitrogen, and yield potential can affect defoliation and/or regrowth.

#### EQUIPMENT CLEANING

This product is very acidic and can damage acrylic plastics, certain paints, and metals after prolonged exposure. Therefore, ensure that any exposed acrylic plastic-type materials (e.g., aircraft windshields) and painted surfaces are washed thoroughly with detergent and water within one hour of exposure to the spray droplets. When the application is completed, all metal parts of the aircraft and other spray equipment which were exposed to the spray solution should be washed thoroughly with detergent and water.

## WHEN TO APPLY

Apply this product when the cotton crop has cut-out and there are sufficient mature unopened bolls present (40 to 60%) to produce the desired yield. This state of growth may be estimated when the crop has reached 2100 - 2400 DD 60's for the year.

Two additional methods should also be used to estimate the proper crop maturity for applications of this product:

**Sharp Knife Technique** - Apply when the number of mature unopened bolls is sufficient to produce the desired crop and bolls have become very hard, cannot be sliced easily by a sharp knife, have seed coats that are tan in color, and the seed kernel is completely filled inside the cavity. At this stage, no gelatinous material is present inside the boll or seed.

**Nodes above Cracked Boll** - The crop is ready to treat when the top-most, first-position harvestable boll is 4 nodes above the uppermost, first-position cracked boll. Delaying treatment past this date is not likely to result in additional recoverable bolls at harvest.

## USE PRECAUTION

Do not apply this product if rain is expected within 6 hours. Rainfall within 6 hours of application may reduce product performance.

## USE RESTRICTIONS AND LIMITATIONS

- Do not harvest cotton sooner than 7 days after treatment.
- Do not apply this product through any kind of irrigation equipment.
- Do not apply more than 2.0 lb ethephon active ingredient per acre per year through combined or repeated uses of any ethephon products.
- Do not apply more than 0.25 lb cyclanilide active ingredient per acre per year.

## Limitations, Restrictions, and Exceptions

### Application instructions

#### For Normal Conditions:

The cotton crop must be in cut-out condition for this product to provide the expected boll opening, defoliation, and terminal regrowth suppression.

Apply by air or ground equipment.

For aerial applications, optimal gallonage is 5 GPA and applied in a way to minimize drift.

For ground applications, optimal gallonage is between 15 - 25 GPA using a spray boom with 3 hollow cone nozzles per row and a minimum spray pressure of 40 psi. For either air or ground applications, best performance is obtained when selecting spray equipment and spray volumes which ensure uniform coverage of foliage and bolls.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Restricted Entry Interval

48 hours

Timings

[When the cotton crop has cut-out and there are sufficient mature unopened bolls present \(40 to 60%\) to produce the desired yield.](#)