

# **COTTON DEFOLIANT - WILL TREAT 33.3 ACRES**

## General Information

### USE INFORMATION

Klean-Pik 500SC is used for removal of leaves prior to harvesting. Klean-Pik 500SC disperses easily in water and can be used in any ground and aircraft equipment. It may take several days before the effect of Klean-Pik 500SC becomes noticeable. Adverse conditions, such as low temperatures, may require higher dosages and/or longer times for more complete defoliation. Klean-Pik 500SC inhibits regrowth after defoliation and thus reduces staining of lint during harvesting and ginning.

#### Use Precautions and Restrictions:

- Do not apply this product through any type of irrigation system.
- Rainfall within 24 hours after application will reduce the effectiveness of Klean-Pik 500SC. Use only freshly prepared sprays. Do not store spray mixture overnight.
- Do not feed foliage from treated cotton plants or gin trash to livestock.
- Do not plant the following crops earlier than the specified periods after the application of Klean-Pik 500SC: Small grain, sorghum, corn, or root crops (except carrots, onions, and sugar beets) Two (2) weeks; Legumes (including alfalfa) or leafy vegetables (except lettuce and spinach) Two (2) months; Sugar beets Four (4) months; Carrots, onions, or spinach Nine (9) months; Lettuce Nine (9) months and only following deep plowing (12 - 15 inches)

Do not use immature crops for food or feed.

Do not allow spray drift to contact crops other than the target crop of mature cotton or cotton which you desire to defoliate, as this product may injure or defoliate other crops.

Particular care should be taken when applying Klean-Pik 500SC adjacent to lettuce, citrus, or cantaloupe. Tank mixes with organophosphates may increase non-target crop phytotoxicity.

(In general, a decrease in droplet size or increase in wind speed at the time of application will result in risk to nontarget organisms. Alternatively, if droplet size is coarser or wind speeds are lower, exposures due to drift would be reduced.)

## APPLICATION DIRECTIONS

### TIME OF APPLICATION

Apply Klean-Pik 500SC only to mature cotton plants when the last boll you expect to harvest is mature. A boll can be described as “mature” when it is too hard to be dented when squeezed between thumb and fingers, is difficult to slice with a sharp knife, and/or when seeds cut in cross sections have fully developed cotyledons, as evidenced by an absence of jelly within the seed. Apply Klean-Pik 500SC at least 5 days prior to anticipated harvest.

NOTE: Good defoliation with Klean-Pik 500SC is dependent upon three factors:

1. Actively growing cotton
2. High humidity
3. High moisture content in leaf of cotton plant

Use of Klean-Pik 500SC alone (without a tank mix partner) when nighttime temperatures are expected to fall below 60°F can result in less than desirable defoliation and/or regrowth inhibition.

Performance of Klean-Pik 500SC is variable under low temperatures; ideally, nighttime temperatures 2 – 3 days prior to and following application should be above 60°F, or total defoliation and regrowth inhibition can be reduced.

Use of Klean-Pik 500SC on heat and drought-stressed cotton (low leaf moisture, thick cuticle, etc.) may result in less than satisfactory defoliation and regrowth inhibition.

### USE OF ADJUVANTS (CROP OILS)

The use of adjuvants such as petroleum-based crop oils or penetrating oils approved for use on growing crops has been shown to improve performance during low nighttime temperatures (60°F – 65°F) or when defoliating droughtstressed

cotton. Refer to specific adjuvant label for rate recommendations.

The use of adjuvants is recommended when applying Klean-Pik 500SC in the desert Southwest (i.e., Arizona and California).

**PRECAUTION:** The addition of adjuvants can cause desiccation and/or leaf freezing during periods of high temperatures. The use of compounds that desiccate leaf tissue is not recommended.

**APPLICATION:** Use the specified dosage of Klean-Pik 500SC in sufficient amount of water to give complete coverage of the foliage with uniform wetting of leaf surfaces. Apply in 10 - 25 gallons of spray per acre by ground equipment and 3 - 10 gallons per acre by air. Agitate the spray mix during application.

**DOSAGE:** One gallon of Klean-Pik 500SC treats 20 - 80 acres (0.05 - 0.2 lb. active ingredient/acre). Use the higher specified rates during periods of low temperatures (60° - 65°F).

Two applications not exceeding a total of 9.6 ounces (0.3 lb. active ingredient/acre) may be necessary to defoliate rank cotton.

#### SEQUENTIAL APPLICATION

**PRECAUTION:** Do not apply sequential application of Klean-Pik 500SC following any defoliant or desiccant except Klean-Pik 500SC used alone or Klean-Pik 500SC tank mixes. Reduced activity of the second treatment will result.

Limitations, Restrictions, and Exceptions

#### APPLICATION RESTRICTIONS

Use Rate Information (under normal conditions) for Cotton:

The maximum single application rate is 0.125 lb. ai/A or 4 oz/A of Klean-Pik 500SC. The maximum application rate per year is 0.3 lb. ai/A/year or 9.6 oz/A/year of Klean-Pik 500SC. A maximum of 2 applications per year may be applied, but not to exceed 0.3 lb. ai/A/year or 9.6 oz/A/year of Klean-Pik 500SC.

Use Rate Information (under variable conditions) for Cotton:

The maximum single application rate is 0.2 lb. ai/A or 6.4 oz/A of Klean-Pik 500SC.

The maximum application rate per year is 0.3 lb. ai/A/year or 9.6 oz/A/year of Klean-Pik 500SC. A maximum of 2 applications per year may be applied, but not to exceed 0.3 lb. ai/A/year or 9.6 oz/A/year of Klean-Pik 500SC.

For cutout and mature cotton under normal weather patterns, use Klean-Pik 500SC at 0.05 to 0.10 lb. active ingredient per acre. The 0.05-lb. rate is most effective when used in a tank mix with other cotton defoliant products. Increased rate of Klean-Pik 500SC above 0.10 lb. of active ingredient per acre may be needed to defoliate and control regrowth during periods of rank growth/high fertilizer conditions, extreme weather conditions, such as extended periods of rain and/or low temperature (60<sup>o</sup>-65<sup>o</sup>F), and on full-season cotton varieties.

To Achieve an Application Rate of: 0.07 lb. ai/Acre, use 2.3 fluid oz/A. One Gallon of Klean-Pik 500SC Will Treat 56 Acres.

To Achieve an Application Rate of: 0.17 lb. ai/Acre, use 5.4 fluid oz/A. One Gallon of Klean-Pik 500SC Will Treat 23.5 Acres.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field rates 0](#)

[field rates 1](#)

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Restricted Entry Interval

24 hours

Timings

[When the last boll you expect to harvest is mature.](#)