

# Klean-Pik® 500SC

## Cotton Defoliant

### For Agricultural Use Only

#### ACTIVE INGREDIENT:

Thidiazuron: (N-phenyl-N'-1,2,3-thiadiazol-5-ylurea)\* . . . . . 42.4%

**INERT INGREDIENTS:** . . . . . 57.6%

**TOTAL:** . . . . . 100.0%

\*Contains 4.17 lbs of active ingredient per gallon.

EPA Reg. No. 66222-124

EPA Est. No. 37429-GA-001<sup>ST</sup>; 37429-GA-002<sup>80</sup>

Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN CAUTION

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing.

### How can we help? 1-866-406-6262

Manufactured for:  
Makhteshim Agan of  
North America, Inc.  
d/b/a ADAMA

3120 Highwoods Blvd., Suite 100  
Raleigh, NC 27604

Net Contents  
**1 gallon**



GROWTH  
REGULATOR

ADAMA  
ESSENTIALS

#### FIRST AID

**IF SWALLOWED:** Immediately call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Have the product container or label with you when calling a poison control center or doctor or going for treatment.** You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store at temperatures below 100°F. If allowed to freeze, remix before using.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:**

**Nonrefillable Container (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. 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 ¼ 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. Then offer for recycling or reconditioning, or 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.

See additional precautionary statements and directions for use inside booklet.

PULL HERE TO OPEN ▶

15201  
EPA 061511 Rev D

# Klean-Pik<sup>®</sup> 500SC

## Cotton Defoliant

### For Agricultural Use Only

ACTIVE INGREDIENT:	% BY WT.
Thidiazuron: (N-phenyl-N'-1,2,3-thiadiazol-5-ylurea)*	42.4%
INERT INGREDIENTS:	57.6%
TOTAL:	100.0%

\*Contains 4.17 lbs of active ingredient per gallon.

EPA Reg. No. 66222-124

EPA Est. No. 37429-GA-001<sup>01</sup>; 37429-GA-002<sup>00</sup>

Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN CAUTION

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing.

For additional precautionary, handling, and use statements, see inside of this booklet.

How can we help? 1-866-406-6262

Net Contents

# 1 gallon



## GROWTH REGULATOR

# ADAMA ESSENTIALS

<b>FIRST AID</b>	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>● Immediately call a poison control center or doctor for treatment advice.</li> <li>● Have person sip a glass of water if able to swallow.</li> <li>● Do not induce vomiting unless told to do so by the poison control center or doctor.</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 by mouth-to-mouth if possible.</li> <li>● Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>● Hold eye open and rinse slowly and gently with water for 15-20 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 15-20 minutes.</li> <li>● Call a poison control center or doctor for treatment advice.</li> </ul>
<p><b>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</b> You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.</p>	

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**All mixers, loaders, and applicators must wear:**

- Long-sleeved shirt
- Long pants, and
- Shoes and socks

See Engineering Controls for Requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENGINEERING CONTROLS:** When handlers use closed systems, enclosed cabs, or aircraft in a

manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d) (6)].

### **USER SAFETY RECOMMENDATIONS**

#### **Users 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**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion-control practices will reduce this product's contribution to surface water contamination.

This chemical has properties and characteristics associated with chemicals detected in ground water. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

## **DIRECTIONS FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

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.

### 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 24 hours.

PPE required for early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as soil or water is:

For all end-use products:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

### 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 non-target organisms. Alternatively, if droplet size is coarser or wind speeds are lower, exposures due to drift would be reduced.)

**PRACTICES TO LOWER THE POTENTIAL FOR DRIFT ONTO NON-TARGET CROPS**

During applications, particularly under windy conditions, Klean-Pik 500SC may drift to non-target crops.

To help reduce the drift potential, use the following practices:

- Do not apply Klean-Pik 500SC by ground or air when wind speeds exceed ten (10) miles per hour at the time of application. Follow local recommendations if wind speeds of less than ten (10) miles per hour are specified in those recommendations.
- Use of low nozzle pressure (20–30 psi) is recommended.
- Do not apply Klean-Pik 500SC when a temperature inversion is present or when conditions favor an inversion prior to completing application(s).
- Additionally, do not apply Klean-Pik 500SC by air within one-half (1/2) mile of lettuce. Do not apply Klean-Pik 500SC by ground equipment within 100 feet of lettuce.

**PRACTICES TO LOWER DRIFT POTENTIAL ONTO NON-TARGET CROPS IN THE RIO GRANDE VALLEY OF TEXAS**

To help reduce the drift potential, use the following practices:

- Do not apply Klean-Pik 500SC by ground or air when wind speeds exceed ten (10) miles per hour at the time of application. Follow local recommendations if wind speeds of less than ten (10) miles per hour are specified in those recommendations.
- Use of low nozzle pressure (20 – 30 psi) is recommended.
- Do not apply Klean-Pik 500SC when a temperature inversion is present or when conditions favor an inversion prior to completing application(s).
- Use the largest nozzle orifice possible which permits proper deposition and coverage of product.
- Do not apply Klean-Pik 500SC by air within 5 miles upwind of citrus in flush (burst of new growth, as in springtime) in the Rio Grande Valley of Texas. Ground applications are restricted to no less than 1/2 mile upwind from citrus.

### 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 determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. 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 outermost 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 airstream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they must be observed.

### IMPORTANCE OF 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** sections of this label).

### 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:** Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. 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 backwards parallel to the airstream will produce larger droplets than other orientations. Significant deflection from the 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 larger droplets than other nozzle types.

**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:** Applications must 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 cross-wind, 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 2-10 mph. However, many factors including droplet size and equipment type determine drift potential at any given speed. Application must 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 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 must 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 temperature 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 upwards and rapidly dissipates indicates good vertical air mixing.

### **SENSITIVE AREAS**

The pesticide must 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).

### **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 drought-stressed 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.

**MIXING INSTRUCTIONS:** Fill the spray tank with one-half of the total amount of water to be used. Begin agitation and add the specified amount of Klean-Pik 500SC. Fill the tank with the additional quantity of water required. Maintain sufficient agitation to ensure a uniform spray mixture during application.

**TANK MIX ADJUVANTS:** When using tank mixes of Klean-Pik 500SC and organophosphates, the use of a surfactant or compatibility agent is recommended to improve tank clean-out and overall defoliation. Prior to mixing in the spray tank, a small scale compatibility test should be conducted.

Use only products which are exempt from tolerance under 40 CFR 180.1001.

Always follow the mixing instructions on the label of the appropriate adjuvant.

**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.

**KLEAN-PIK 500SC APPLICATION RATE TABLE**

To Achieve an Application Rate of:	Use This Amount of Klean-Pik 500SC	At the Indicated Rate, One Gallon of Klean-Pik 500SC Will Treat:
0.05 lb. ai/Acre	1.6 ounces/Acre	80 Acres
0.10 lb. ai/Acre	3.2 ounces/Acre	40 Acres
0.125 lb. ai/Acre	4.0 ounces/Acre	33.3 Acres
0.15 lb. ai/Acre	4.8 ounces/Acre	26.6 Acres
0.20 lb. ai/Acre	6.4 ounces/Acre	20 Acres

## 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°-65°F), and on full-season cotton varieties.

To Achieve an Application Rate of:	Use This Amount of Klean-Pik 500SC	At the Indicated Rate, One Gallon of Klean-Pik 500SC Will Treat:
0.07 lb. ai/Acre	2.3 fluid oz/A	56 Acres
0.17 lb. ai/Acre	5.4 fluid oz/A	23.5 Acres

**BOTTOM DEFOLIATION FOR USE IN ARIZONA ONLY:** Klean-Pik 500SC may be used as an aid to improve air circulation and help reduce boll rot caused by moisture.

Apply Klean-Pik 500SC at 1.6 ounces (0.05 lb. active ingredient/acre) formulated product per acre.

Application to bottom 1/3 of plant **only** recommended.

Timing of application should be based upon the latest date when ground application equipment can enter the field without crop damage.

**PRECONDITIONING:** Klean-Pik 500SC may be used as a pre-conditioner to enhance the activity of a defoliant application. Apply Klean-Pik 500SC at 1.6 – 3.2 ounces (0.05 – 0.1 lb. active ingredient/acre) formulated product per acre.

Timing of application is recommended to be 7–14 days prior to the use of another defoliant. Refer to the second product label prior to use for complete use directions and restrictions.

**TANK MIX OF KLEAN-PIK 500SC PLUS FINISH® 6 PRO OR PREP™ FOR BOLL OPENING:** The tank mix of Klean-Pik 500SC plus FINISH® 6 PRO or Prep™ is recommended to improve overall defoliation and as an aid in accelerating the opening of mature, unopened cotton bolls. Best activity will be obtained where the tank mix is applied to mature cotton plants. (See **TIME OF APPLICATION** section of this label.) Do not apply tank mix before sufficient unopened bolls have matured to produce the desired cotton yield. If nighttime temperatures are expected to fall below 60°F, unsatisfactory defoliation and regrowth inhibition may result. Certified cotton seed producers should determine boll and seed maturity prior to treatment.

Apply Klean-Pik 500SC at a rate of 1.6 – 6.4 ounces (0.05 – 0.2 lb. active ingredient/acre) formulated product plus FINISH® 6 PRO at 1.3 – 2 pt/A (1.0 – 1.5 lbs. active ingredient/acre) or Prep™ at 1.3 – 2.6 pt/A (1.0 – 2.0 lbs. active ingredient/acre). The higher rate of Klean-Pik 500SC should be used where excessive regrowth is anticipated or during cooler temperatures.

**TANK MIX OF KLEAN-PIK 500SC PLUS FINISH® 6 PRO FOR DEFOLIATION ENHANCEMENT:** Lower rates of FINISH® 6 PRO may be tank mixed with Klean-Pik 500SC to enhance defoliation without providing boll opening activity. FINISH® 6 PRO may still be applied as a sequential treatment for boll opening following an application of Klean-Pik 500SC plus FINISH® 6 PRO at a defoliation enhancement rate. Read and follow the FINISH® 6 PRO label, and do not exceed a maximum of 2.0 lbs. ethephon ai/acre for combined uses per acre per year.

Apply Klean-Pik 500SC at a rate of 1.6 – 6.4 ounces (0.05 – 0.2 lb. active ingredient/acre) formulated product plus FINISH® 6 PRO at 5 ounces per acre (0.23 lb. active ingredient/acre). The higher specified rates of Klean-Pik 500SC should be used where excessive regrowth is anticipated or during cooler temperatures.

**TANK MIX OF KLEAN-PIK 500SC PLUS DEF® 6 OR KLEAN-PIK 500SC PLUS FOLEX® 6 EC:** The tank mix of Klean-Pik 500SC and Def® 6 or Folex® 6 EC is recommended to improve defoliation and inhibit regrowth under less than ideal conditions. Less than ideal conditions are those when the nighttime temperatures are expected to be 60°F on the date of application and for three days following application.

Best activity will be obtained when the tank mix is applied to mature cotton plants with 60% or more open bolls.

#### **RATE OF APPLICATION**

Klean-Pik 500SC + Def® 6 = 1.6 – 6.4 ounces Klean-Pik 500SC + 0.5 – 2.0 pints Def® 6.

Klean-Pik 500SC + Folex® 6 EC = 1.6 – 6.4 ounces Klean-Pik 500SC + 0.5 – 2.0 pints Folex® 6 EC.

Higher rate of Klean-Pik 500SC should be used where excessive regrowth is anticipated.

Maximum rates of Klean-Pik 500SC and phosphate defoliant applied in a tank mix during very high air temperatures can cause desiccation.

Use lower rate of Def® 6 or Folex® 6 EC under ideal nighttime temperature conditions (65°F); higher rate during less than ideal or adverse conditions.

When applying Def® 6 or Folex® 6 EC defoliant plus Klean-Pik 500SC as a tank mix, the following mixing sequence is recommended:

1. Add required water to spray tank, agitate.
2. Add Klean-Pik 500SC according to label directions (see **MIXING INSTRUCTIONS**).
3. Add Def® 6 or Folex® 6 EC according to rate desired after the Klean-Pik 500SC has completely dispersed.

A second application of the labeled tank mix may be made where necessary, but not exceeding a total of 0.3 lb. active ingredient of Klean-Pik 500SC per acre.

Refer to Def® 6 and Folex® 6 EC labeling for additional use directions and cautions when using tank mixtures of Klean-Pik 500SC and those products.

**DO NOT USE TANK MIX OF KLEAN-PIK 500SC PLUS DEF® 6 OR FOLEX® 6 EC IN THE RIO GRANDE VALLEY COUNTIES OF STARR, HIDALGO, WILLACY, AND CAMERON.**

#### **IMPORTANT CLEANOUT INSTRUCTIONS**

Tank mixes of Klean-Pik 500SC with organophosphates may form a residue in application equipment. While still fresh and moist, this residue can be removed by flushing the entire system with a commercial tank cleaner.

**Do not allow the spray solution to dry in the application equipment. Immediately following application,** clean all equipment (mix tanks, pumps, transfer lines, application tanks, sumps, booms, nozzles, and all related equipment) thoroughly with cleaner and water.

Should small quantities of Klean-Pik 500SC remain in inadequately cleaned equipment, they may be released during subsequent applications and may cause damage to crops. ADAMA accepts no liability for damage to crops due to inadequately cleaned equipment.

#### **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.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store at temperatures below 100°F. If allowed to freeze, remix before using.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL:

**Nonrefillable Container (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. 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  $\frac{1}{4}$  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. Then offer for recycling or reconditioning, or 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.

**Nonrefillable Container (greater than five gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  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 or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**Refillable Container:** Refillable container. Refill this container with thidiazuron 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 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL INFOTRAC AT 1-800-535-5053.**

## LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES** and **LIMITATIONS OF LIABILITY**.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of ADAMA. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ADAMA makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of ADAMA is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ADAMA disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at ADAMA's election, the replacement of product.

Klean-Pik® is a trademark of ADAMA.

DEF®, Finish® 6 PRO and Prep™ are trademarks of Bayer CropScience.

FOLEX® 6 EC is a trademark of AMVAC Chemical Corporation.

Manufactured for:

Makhteshim Agan of North America, Inc.

d/b/a ADAMA

3120 Highwoods Blvd., Suite 100

Raleigh, NC 27604