
 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY</p> <p style="text-align: center;">Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)</p>	EPA Reg. Number:	Date of Issuance:
	66222-124	APR 10 2006
	Terms of Issuance: Conditional	
Name of Pesticide Product:		Klean-Pik 500SC
Name and Address of Registrant (include ZIP Code): Makhteshim-Agan of North America 4515 Falls of Neuse Road, Suite 300 Raleigh, NC 27609		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is registered in accordance with FIFRA sec.3(c)(7)(A) provided that you.</p> <ol style="list-style-type: none"> 1. Please make the following changes: <ol style="list-style-type: none"> A. Add your EPA establishment number and net contents to the label. B. Revise the EPA Registration Number to read, "EPA Reg. No. 66222-124. <p>(Comments continued on the next page for this Notice of Registration)</p> <p>If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product under the enclosed stamped copy of the label constitutes acceptance of these conditions.</p>		
Signature of Approving Official:		Date:
		APR 10 2006

2. Submit Storage Stability (830.6317) and Corrosion Characteristics (830.6320) studies within one year of the date of this registration notice.
3. Submit and/or cite all data required for the registration/reregistration of this product when the Agency requires all registrants of similar products to submit data.
4. Submit one (1) copy of the final printed labeling before you release this product for shipment.

A stamped copy of the label is enclosed for your records.

Joanne I. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

KLEAN-PIK™ 500SC

For Agricultural Use Only
COTTON DEFOLIANT

ACCEPTED
with COMMENTS
In EPA Letter Dated:
APR 10 2006
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
66222-124
3/8

	% BY WT.
ACTIVE INGREDIENT: Thidiazuron: (N-phenyl-N-1,2,3-thiadiazol-5-ylurea)*	42.40%
INERT INGREDIENTS:	57.60%
TOTAL	100.00%

*Contains 4.17 lbs of active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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.

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. Do not contaminate food or feedstuffs.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves

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

ENGINEERING CONTROLS STATEMENT: 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.

NET CONTENTS: ___ GALS.

EPA Reg. No. 66222-xx
EPA Est. No. xx



PENDING TEXT\Klean-Pi

Makhteshim Agan of North America, Inc.
4515 Falls of Neuse Rd., Suite 300
Raleigh, NC 27609

PA 2-3-06).docPage 1 of 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.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of cleaning equipment or disposing of equipment washwaters or rinsate. Do not apply when weather conditions favor drift from target area.

GENERAL INFORMATION

Klean-Pik 500SC is used from 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:

- 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 nontarget crop phytotoxicity.

PRACTICES TO LOWER THE POTENTIAL FOR DRIFT ONTO NONTARGET CROPS

During applications, particularly under windy conditions, Klean-Pik 500SC may drift to nontarget 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 applications(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 applications(s).

- Use the largest nozzle orifice possible which permits proper deposition and coverage of product.
- In addition, for citrus crops, do not apply Klean-Pik 500SC by air when citrus in flush is within five (5) miles downwind of the point of application. Do not apply Klean-Pik 500SC by ground when citrus in flush is within one-half (1/2) mile downwind of the point of application.

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 plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

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 crops 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 recommended 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

6/8

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 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
0.15 lb. ai/Acre	4.8 ounces/Acre	26.6 Acres
0.20 lb. ai/Acre	6.4 ounces/Acre	20 Acres

*Do not exceed a total of 9.6 ounces of Klean-Pik 500SC per acre per season.

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 recommendations.

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 per acre) or Prep™ at 1.3 – 2.6 pt/A (1.0- 2.0 lbs. active/ingredient per 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 lb. ethephon a.i./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 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 500 SC 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. Makhteshim Agan of North America, Inc. 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:

PLASTIC JUGS: Triple rinse (or equivalent). 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.

RETURNABLE/REFILLABLE CONTAINERS: This material may be repacked in refillable containers by Makhteshim Agan of North America, Inc. or a registered establishment under contact to Makhteshim Agan of North America, Inc. After use, return the container to the point of purchase or designated locations. This container must only be refilled with Klean Pik 500 SC . **DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE.** Prior to refilling, inspect thoroughly for damage such as cracks, punctures, abrasions, and damaged or worn out threads on closure devices. Do not refill or transport damaged or leaking containers. Check for leaks after refilling and before transportation. If the container is not being refilled, return it to the point of purchase.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL INFOTRAC AT (800) 535-5053.

WARRANTY STATEMENT

MAKHTESHIM AGAN OF NORTH AMERICA INC. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with 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 MAKHTESHIM AGAN OF NORTH AMERICA INC. To the extent allowed by law, MAKHTESHIM AGAN OF NORTH AMERICA INC. shall not be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the

registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, MAKHTESHIM AGAN OF NORTH AMERICA INC makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at MAKHTESHIM AGAN OF NORTH AMERICA's INC. election, the replacement of this product.