

 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460</p>	EPA Reg. Number: 84930-29	Date of Issuance: FEB 15 2011
	Term of Issuance: conditional	
	Name of Pesticide Product: ARC-TDZ SC Cotton Defoliant	
<p style="text-align: center;">NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)</p>		
<p>Name and Address of Registrant (include ZIP Code):</p> <p>Arcana, LLC P.O. Box 26 Timnath, CO 80547</p>		
<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. 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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data. 2. Make the following label changes: <ol style="list-style-type: none"> a. On page 2, under the heading "Personal Protective Equipment" change the statement from Applicators and other handlers must wear: Long-sleeved shirt and long pants, Shoes plus socks" to read "Applicators and other handlers must wear: <ul style="list-style-type: none"> - Long-sleeved shirt, - Long pants, and - Shoes and socks. See Engineering Controls for Requirements" 		
<p>Signature of Approving Official:</p> <p><i>Kathryn V. Montague</i></p> <p>Kathryn V. Montague Product Manager 23 Herbicide Branch Registration Division (7505P)</p>	<p>Date:</p> <p>FEB 15 2011</p>	

- b. On page 2, under the heading "Environmental Hazards" change the second sentence from "Do not contaminate water when disposing of equipment washwaters" to read "Do not contaminate water when disposing of equipment washwater or rinsate."
- c. On page 3, under the "Agricultural Use Requirements", delete the statement "Thidiazuron products cannot be applied by air within ½ mile of lettuce or 5 miles downwind of the point of application when citrus is in flush (burst of new growth, as in springtime) in the Rio Grande Valley of Texas. Ground applications are restricted to 100 feet away from lettuce and ½ mile downwind from the point of application for citrus.
(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).
- d. On page 4, change the second statement from "Increased non-target phytotoxicity is sometimes observed when tank-mixing this product with organophosphates or when particularly sensitive crops such as lettuce, citrus, and cantaloupes are planted adjacent to fields treated this product" to read "Increased non-target phytotoxicity is sometimes observed when tank-mixing this product with organophosphates or when particularly sensitive crops such as lettuce, citrus, and cantaloupes are planted adjacent to fields treated with ARC-TDZ SC Cotton Defoliant."
- e. On page 5, under the heading "Application Use Rates" delete the bold "Do Not Apply More Than 9.6 FL. OZ. (0.3 LB. AI/ACRE) Per Year".
- f. On page 5, under the heading "Application Use Rates", change the first statement from "General Use Rate Information (under normal conditions) for Cotton: 0.125 lbs. AI/A" to read "Cotton Use Rate (under normal cotton growing conditions) is 0.125 lbs. AI/A/Application. Also change the statement from "General Use Rate Information (under variable conditions) for Cotton" to read "Cotton Use Rate (under variable cotton growing conditions, e.g. rank cotton)".
- g. On page 5, under the heading "Application Use Rates", move the first statement "For defoliation of rank cotton, apply a second application to ensure adequate defoliation. Do Not make more than two applications and Do Not exceed a total of 9.6 fl. Oz. (0.3 lb. AI/acre)" under the statement "Increased rates of this product above 0.10 lb. of active ingredient per acre 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 temperatures (60-65 F), and on full-season cotton varieties."
- h. On page 5, under the heading "Application Use Rates", add "Rank Cotton – Climatic conditions increase the vegetative growth of the cotton – the result is "rank cotton." after "For defoliation of rank cotton, apply a second application to ensure adequate defoliation. Do Not make more than two applications and

Do Not exceed a total of 9.6 fl. Oz. (0.3 lb. AI/acre).”

- i. On page 5, in the box use the examples from the “Cotton Use Rate” section. Under the heading “To Achieve an Application Rate of:” replace “0.07 lbs. AI/Acre and 0.17 lbs. AI/Acre” to read “0.125 lbs. AI/Acre and 0.2 lbs. AI/Acre” and do the redo the calculations for the headings “Use this Amount of Product” and “At the Indicated Rate, One Gallon of Product Will Treat:”.
- j. On page 5, under the heading “Application Use Rates” change the statement from “For cutout and mature cotton under normal weather patterns, use this product at 0.05 to 0.10 lb. active ingredient per acre” to read “For cutout and mature cotton under normal weather patterns, use ARC-TDZ SC Cotton Defoliant at 0.05 to 0.10 lb. active ingredient per acre.”
- k. On page 5, under the heading “Application Rates”, change sentence from “Increased rates of this product above 0.10 lb. of active ingredient per acre 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 temperatures (60-65 F), and on full-season cotton varieties” to read “Increased rates of ARC-TDZ SC Cotton Defoliant 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 temperatures (60-65 F), and on full-season cotton varieties.”
- l. On page 6, change the three headings under “Tank Mixes” from “Product Plus Ethephon-Containing Compounds – Boll Opening, Product Plus Ethephon – Enhanced Defoliation, Product Plus Tribufos Products (DEF/FOLEX) – Not For Use In Cameron, Hidalgo, Starr and Willacy Counties of the State of Texas” to read “ARC-TDZ SC Cotton Defoliant Plus Ethephon-Containing Compounds – Boll Opening, ARC-TDZ SC Cotton Defoliant Plus Ethephon – Enhanced Defoliation, ARC-TDZ SC Cotton Defoliant Plus Tribufos Products (DEF/FOLEX) – Not For Use In Cameron, Hidalgo, Starr and Willacy Counties of the State of Texas”
- m. On page 6, under the heading “Preparation of Tank Mixes of this Product Plus Def 6/ Folex 6 EC”, change number 3 from “Add the required amount of this product and agitate to ensure complete mixing and water” to read “Add the required amount of ARC-TDZ SC Cotton Defoliant and agitate to ensure complete mixing with water.”
- n. On page 7, under the heading “Spray Tank Cleanout Instructions”, change the last sentence in the first paragraph from “Consult your State Extension Cotton Specialist for instructions tank cleaners and cleaning procedures” to read “Consult your State Extension Cotton Specialist for instructions on using tank cleaners and cleaning procedures.”
- o. On page 7, under the heading “Warranty Disclaimer”, change the statement from “Unintended consequences, including but not limited to ineffectiveness, may result because of such factors as the presence or absence of other

4/12

materials used in combination with the goods, or the manner of use or application, including weather, all of which are beyond the control of manufacturer or seller and assumed by buyer or user" to read "Unintended consequences, including but not limited to ineffectiveness, may result because of such factors as the presence or absence of other materials used in combination with the goods, or the manner of use or application, including weather, all of which are beyond the control of manufacturer or seller and, to the extent consistent with applicable law, assumed by buyer or user."

- p. Revise the EPA Registration Number to read, "**EPA Reg. No. 84930-29**, include the EPA Establishment Number, and add the batch number to non-refillable containers."

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Kathryn V. Montague
Product Manager 23
Herbicide Branch
Registration Division (7505P)

5/12

ARC-TDZ SC Cotton Defoliant

For Agricultural Use Only

ACTIVE INGREDIENT:

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

OTHER INGREDIENTS: 57.6%

TOTAL: 100.0%

*Contains not less than 4.0 lbs. of thidiazuron per gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION**

See inside label booklet for additional FIRST AID and PRECAUTIONARY STATEMENTS.

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300

EPA REG. NO. 84930-29
EPA EST. NO. _____

NET CONTENTS _____ GALS. (_____ Liters)

MANUFACTURED FOR
ARCANA LLC
P.O. BOX 26
TIMNATH, CO 80547

102110

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
FEB 15 2011**

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

84930-29

6/12

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

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants, Shoes plus 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

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.

FIRST AID

If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none"> • 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 inhaled:	<ul style="list-style-type: none"> • 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 swallowed:	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • DO NOT induce vomiting unless told to do so by a poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

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 equipment washwaters. **DO NOT** apply when weather conditions favor drift from treated areas.

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

7/12

applications when rainfall is expected 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 groundwater. 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 State or Tribal 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 to 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
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Thidiazuron products cannot be applied by air within 1/2 mile of lettuce or 5 miles downwind of the point of application when citrus is in flush (burst of new growth, as in springtime) in the Rio Grande Valley of Texas. Ground applications are restricted to 100 feet away from lettuce and 1/2 mile downwind from the point of application for citrus.

(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).

PRODUCT INFORMATION

This product provides growers a tool to help in the harvest of cotton. This product readily disperses in water for use in various types of application equipment. Applications by ground or air of this product just prior to harvest causes the leaves to fall off the plants (defoliation) and inhibits additional plant growth. This effect helps to reduce any staining of lint that occurs during harvest and ginning.

The effects of this product may not be seen for several days after treatment. Cooler weather or other adverse conditions will require an adjustment in the dose level (i.e., higher rates) or require longer periods of time for defoliation to occur.

USE PRECAUTIONS

- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply this product if rainfall is expected within 24 hours of application.
- **DO NOT** feed gin trash, treated foliage or immature crops to livestock.

Rotation Crop Restrictions: DO NOT replant the following crops unless the minimum specified time has elapsed after the last application of this product.

ROTATION CROP	PLANTBACK INTERVAL
Small grains, sorghum, corn, or root crops (except carrots, onions or 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 and spinach	Nine (9) months
Lettuce (replant ONLY if the soil has been deep-plowed down to 12-15 inches.)	Nine (9) months

This product will defoliate and cause injury to other plant species. Avoid spray drift to crops other than the target crop of cotton.

8/12

Increased non-target phytotoxicity is sometimes observed when tank-mixing this product with organophosphates or when particularly sensitive crops such as lettuce, citrus, and cantaloupes are planted adjacent to fields treated this product.

DRIFT REDUCTION PRACTICES

Drift to non-target crops occurs during application of this product especially under windy weather conditions. Take the following steps to reduce the potential for off-site spray drift:

- 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.
- **DO NOT** make aerial or ground applications of this product when wind speeds are greater than ten (10) miles per hour at the application site. If wind speeds are less than ten (10) miles per hour, consult your State Extension Cotton Specialist for local application instructions.
- Use the specified low nozzle pressures of 20-30 psi.
- **DO NOT** apply this product during a temperature inversion or if a temperature inversion appears likely to occur during the application.
- Use the maximum nozzle orifice size that provides appropriate coverage and deposition of this product.
- **DO NOT** make ground applications of this product within 100 feet of growing lettuce.
- **DO NOT** make aerial applications of this product within 0.5 miles of growing lettuce.
- **Citrus Areas in the Rio Grande Valley of Texas: DO NOT** make aerial applications of this product within 5 miles downwind of the point of application when citrus are in flush (burst of new growth, as in springtime). **DO NOT** make ground applications of this product within 0.5 miles upwind of the application point when citrus are in flush.

APPLICATION TIMING

Make applications of this product only to mature cotton plants and when bolls are mature. Bolls are considered mature when the following are observed: 1) the boll does not dent when squeezed between thumb and finger; and/or 2) the boll is difficult to cut using a sharp knife; and/or 3) the seeds have fully developed cotyledons (determined by the fact that the seeds lack liquid within the seed coat if cut in cross section or if the outer edges of the seed coat are light brown).

Make product applications at least five (5) days before the expected day of harvest.

Note: The success of this product as a cotton defoliant depends on the following factors

- Cotton plants are actively growing.
- Humid weather conditions exist.
- Cotton plant leaves are high in moisture content

APPLICATION CONDITIONS

If the temperatures at night fall below 60°F, this product applied as a stand-alone product (i.e., without a tank mix partner), may give inconsistent or ineffective defoliation and/or regrowth suppression. Improved performance of this product is achieved if application is timed so that the overnight temperatures exceed 60°F for 2-3 days prior to and 2-3 days after application.

Heat- and/or drought-stressed cotton (low leaf moisture content, thick cuticle) will not be completely defoliated and/or suppressed in growth when this product is applied to these plants.

SEQUENTIAL PRODUCT APPLICATIONS

To avoid reduced or unsatisfactory defoliation, apply a sequential application of this product **only** if the first application was applied as a stand-alone or as a tank mix with other defoliants. Also refer to the section on **APPLICATION CONDITIONS** of this label.

USE OF CROP OIL/ADJUVANTS

Improved defoliation and regrowth suppression has been shown when crop oil concentrates (COC's) or penetrating oils approved for use on agricultural crops are mixed with this product and applied when nighttime temperatures are low (60°-65°F) or when drought conditions exist. Consult the adjuvant label for use directions and rates.

When applying this product in the desert Southwest (i.e., Arizona and California), use adjuvants.

9/12

NOTE: DO NOT use adjuvants during high temperature periods (freezing and/or desiccation of leaves has been observed.)

MIXING INSTRUCTIONS

1. Add one-half the amount of water required to the spray applicator tank.
2. Begin agitation and continue agitation during the addition and application steps below.
3. Add this product.
4. Fill the spray tank with the remainder of the water.

Prepare only the amount of spray solution needed for a single day of application. **DO NOT** allow the spray tank mixture to stand overnight.

TANK MIX ADJUVANTS

To improve defoliation and spray tank clean-out, add a compatibility agent or surfactant to tank mixes of this product with organophosphate defoliant. Conduct a compatibility test of all components before adding to the spray tank.

Only products which are exempt from tolerance (refer to 40 CFR 180.1001) are permitted for this use.

Consult the adjuvant label for mixing and application directions and use rates.

DIRECTIONS FOR APPLICATION

Apply the specified amount of this product in sufficient volume of water to ensure uniform and thorough coverage of the leaves. Ground equipment: apply 10-25 gallons per acre. Aerial applications: apply 3-10 gallons per acre.

Ensure adequate agitation is maintained during application.

APPLICATION USE RATES

For defoliation of rank cotton, apply a second application to ensure adequate defoliation. **DO NOT** make more than two applications and **DO NOT** exceed a total of 9.6 fl. oz. (0.3 lb. AI/acre).

DO NOT APPLY MORE THAN 9.6 FL. OZ. (0.3 LB. AI/ACRE) PER YEAR.

General Use Rate Information (under normal conditions) for Cotton: 0.125 lbs. AI/A
Maximum application rate of 0.3 lbs. AI/A/year
Maximum of 2 applications, but not to exceed 0.3 lbs. AI/A/year

General Use Rate Information (under variable conditions) for Cotton:
Maximum application rate of 0.2 lbs. AI/A
Maximum application rate of 0.3 lbs. AI/A/year
Maximum of 2 applications, but not to exceed 0.3 lbs. AI/A/year

For cutout and mature cotton under normal weather patterns, use this product 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 defoliating products.

Increased rates of this product above 0.10 lb. of active ingredient per acre 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 temperatures (60-65°F), and on full-season cotton varieties.

To Achieve an Application Rate of:	Use This Amount of Product	At the Indicated Rate, One Gallon of Product Will Treat:
0.07 lbs. AI/Acre	2.3 fluid oz./A	56 Acres
0.17 lbs. AI/Acre	5.4 fluid oz./A	23.5 Acres

ARIZONA ONLY- BOTTOM DEFOLIATION

Use this product to improve air circulation within the cotton canopy and reduce boll rot and hard lock caused by moisture under the canopy.

Time the date of application so that application equipment can enter the fields without causing damage to the cotton crop.

Apply 0.05 lb. AI/acre (1.6 fl. oz. this product /A); direct the sprays to the lower 1/3 part of the plants.

ARIZONA AND CALIFORNIA ONLY: **PRECONDITIONING**

10/12

Apply this product to pre-condition the cotton seven to ten days prior to application of other defoliant compounds and results in improved efficacy of the defoliants. Consult the label of the other defoliant prior to use, and observe all product label directions, specifications and prohibitions.

Apply this product at rates between 0.05 lb AI/A (1.6 fl. oz./A) and 0.1 lb. AI/A (3.2 fl. oz./A).

TANK MIXES

PRODUCT PLUS ETHEPHON-CONTAINING COMPOUNDS – BOLL OPENING

Use of this product and Ethephon 6 or equivalents will improve defoliation and speed the opening of mature bolls. For best results, apply to mature cotton plants (refer to the **APPLICATION TIMING** section of this label). Ensure a sufficient number of bolls have matured prior to application in order to achieve good cotton yields. Certified cottonseed producers should consult seed companies to determine the boll and seed maturity requirements for their varieties. Reduced defoliation or suppression of regrowth occurs if applications are made when nighttime temperatures are expected to be below 60°F.

Apply this product at rates between 0.05 lb. AI/A (1.6 fl. oz./A) and 0.2 lb. AI/A (6.4 fl. oz./A) plus 1-2 lbs. AI/acre (32-64 fl. oz./A) of Ethephon 6.

The higher rates of this product are used when excessive regrowth is expected or if temperatures are between 60-65°F.

PRODUCT PLUS ETHEPHON - ENHANCED DEFOLIATION

Use the lower rates of Ethephon 6 or its equivalents plus this product to enhance defoliation without affecting boll opening. After this tank mix application, use Ethephon 6 alone to promote boll opening but **DO NOT** apply more than 2.0 lb. AI/acre of Ethephon 6 (approximately 42 fl. oz. of product) for all ethephon applications to cotton. Read and follow the Ethephon 6 label directions, specifications and prohibitions.

Apply this product at rates between 0.05 lb. AI/A (1.6 fl. oz./A) and 0.2 lb. AI/A (6.4 fl. oz./A) plus 0.25 lbs. AI/acre (32-64 fl. oz./A) of Ethephon 6. The higher rates of this product are used when excessive regrowth is expected or if temperatures are between 60-65°F.

PRODUCT PLUS TRIBUFOS PRODUCTS (DEF[®]/FOLEX[®]) – NOT FOR USE IN CAMERON, HIDALGO, STARR AND WILLACY COUNTIES OF THE STATE OF TEXAS

If plants are treated when growing under less favorable conditions, such as when overnight temperatures are expected to be below 60°F one day prior to and three days after application, use this product and DEF[®] 6/ FOLEX[®] 6 EC tank mixes for improved regrowth suppression and defoliation. For optimum results, apply the tank mix to cotton plants that have at least 60% open bolls.

Apply this product at rates between 0.05 lb. AI/A (1.6 fl. oz./A) and 0.2 lb. AI/A (6.4 fl. oz./A) plus DEF[®] 6 at 0.5- 2.0 pints per acre.

Apply this product at rates between 0.05 lb. AI/A (1.6 fl. oz./A) and 0.2 lb. AI/A (6.4 fl. oz./A) plus FOLEX[®] 6 EC at 0.5-2.0 pints per acre.

The higher rates of this product are used when excessive regrowth is expected.

The lower rates of DEF[®] 6/ FOLEX[®] 6 EC are used when nighttime temperatures are expected to be 65°F or above. Use the higher rates if conditions are not ideal.

If a second application of this tank mix is necessary, **DO NOT** exceed a total of 0.3 lb. AI/acre (9.6 fl. oz./A) of this product.

Read and follow the DEF[®] 6 and FOLEX[®] 6 EC label directions, specifications and prohibitions.

NOTE: Use caution when tank mixes of phosphate defoliants plus this product are applied at the highest use rates and during extremely high temperatures since leaf desiccation occurs.

PREPARATION OF TANK MIXES OF THIS PRODUCT PLUS DEF[®] 6/ FOLEX[®] 6 EC

Use the directions below to prepare tank mixes of this product plus DEF[®] 6/ FOLEX[®] 6 EC:

1. Add one-half the amount of water required to the spray applicator tank.
2. Begin agitation and continue through addition and application steps.
3. Add the required amount of this product and agitate to ensure complete mixing with water.
4. Add the required amount of DEF[®] 6 or FOLEX[®] 6 EC to the spray tank.

IMPORTANT: Residues form in the spray equipment of tank mixes of this product plus organophosphates. The residues can be removed using a commercial tank cleaner as long as the spray equipment is cleaned while the residue is still fresh and moist. **DO NOT ALLOW SPRAY EQUIPMENT TO DRY BEFORE CLEANING.** Consult your State Extension Cotton Specialist for instructions tank cleaners and cleaning procedures.

Immediately after application, flush the entire system (nozzles, booms, application tanks, sumps, pumps, and transfer lines, etc.) using a tank cleaner and water.

Should the spray solution be allowed to dry in the application equipment, the residues will be more difficult to remove. Use the commercial tank cleaner diluted with water to completely fill the equipment and let it stand for 7 days. Then, completely flush and rinse all equipment with water.

If spray application equipment is not thoroughly cleaned, residues of this product will remain and be released during subsequent applications and lead to crop damage.

To the extent consistent with applicable law, Nufarm assumes no liability for crop damage due to spray equipment that has not been properly cleaned before re-use.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store product at temperature less than 100°F. Re-mix product prior to use if product is exposed to freezing conditions.

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. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) 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 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 by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS 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. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION,

12/12
HANDLING, AND DISPOSAL TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you DO NOT agree with or DO NOT accept any of directions for use, the warranty disclaimers, or limitations on liability, DO NOT use the product, and return it unopened to the Seller, and the purchase price will be refunded.

All trademarks are the property of their respective owners.