

1381-212

09/23/2008

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

SEP 23 2008

Dr. Alice Walker
Agent for Winfield Solutions, LLC
3094 Country Club Road
Senatobia, MS 38668

Subject: Label Notifications for Pesticide Registration Notice 2007-4

Dear Dr. Walker,

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notices (PRN) 98-10 and 2007-4 dated June 3, 2008 and your resubmissions dated June 13, 2008 for the following products:

Arctic[®] 3.2 EC Insecticide	EPA Registration Number 1381-187
Battery[™] 2.5 EC Insecticide	EPA Registration Number 1381-188
Compact[™]	EPA Registration Number 1381-189
Charger Max[™] ATZ Lite	EPA Registration Number 1381-208
Grizzly[™] Z Insecticide	EPA Registration Number 1381-211
Daze[®] 4SC	EPA Registration Number 1381-212
Dormant Oil 435	EPA Registration Number 9779-251
Asulam 3.3 Herbicide	EPA Registration Number 9779-342
Boll'd	EPA Registration Number 9779-349

The Registration Division (RD) has conducted its review of these requests for their applicability under PRNs 98-10 and 2007-4 and finds that the label changes requested fall within the scope of PRNs 98-10 and 2007-4. The labels submitted with the application have been stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please call me directly at 703-305-6249 or Steve Schaible of my staff at 703-308-9362.

Sincerely,



Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 1381-212	2. EPA Product Manager Joanne Miller	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Daze 4SC	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Winfield Solutions, LLC, c/o Alice Walker Consulting 3094 Country Club Road Senatobia, MS 38668 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ NOTIFICATION Product Name SEP 23 2008	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of new container disposal language per PRN 07-4. We have also repositioned the Chemtrec no. below Storage and Disposal. This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section - III

1. Material This Product Will Be Packaged In:					
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1, 2-1/2, 5, and 15 gals.		5. Location of Label Directions <input checked="" type="checkbox"/> On label	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Alice Walker, Ph.D.		Title Agent		Telephone No. (Include Area Code) 662-562-5995	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 			3. Title Agent		
4. Typed Name Alice Walker, Ph.D.			5. Date 4-24-08		

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DAZE® 4SC

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%

*Not less than 4.0 lbs. of thidiazuron per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION –PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

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 15-20 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. • 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 mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything by mouth to an unconscious person.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information in case of medical emergency call toll free 1-877-424-7452.</p>	

SEE INSIDE (SIDE PANEL) FOR ADDITIONAL PRECAUTIONS AND USE DIRECTIONS

EPA Reg. No. 1381-212

EPA Est. No. 70989-AR-001
NET CONTENTS: 1 gallon (3.785 LITERS)
LOT NO. _____

Manufactured For:
Winfield Solutions, LLC
P.O. Box 64589
St. Paul, Minnesota 55164-0589

0/0424/8

**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

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride
- Shoes plus socks

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

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide get inside. Then wash thoroughly and put on clean clothing. If no such instructions for washables exist, use detergent and hot water.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into the 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 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. Do not apply when weather conditions favor drift from treated areas.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: This product should be stored at temperatures less than 100° F. Should this product be subject to freezing conditions, this product should be re-mixed prior to use.

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: Use label language appropriate for container size and type.

Nonrefillable containers. Do not reuse or refill this container. Clean container promptly after emptying.

Nonrefillable container equal to or less than 5 gallons. 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 by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable container greater than 5 gallons. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Refillable container. Refill this container with this pesticide 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call
CHEMTREC 1-800-424-9300**

GENERAL INFORMATION

DAZE 4SC, a harvest aid compound, is used for leaf removal prior to cotton harvest. DAZE 4SC can be used in aircraft or ground equipment and is easily dispersed in water. Several days may pass before effects of treatment may be observed. Low temperature and other adverse conditions may require longer times and / or higher dosages for adequate defoliation.

DAZE 4SC diminishes lint staining at the time of harvest and ginning by slowing regrowth.

USE PRECAUTIONS

This product is not to be applied through any type of irrigation system.

The efficacy of DAZE 4SC will be diminished if rainfall occurs within 24 hours post application.

Foliage from treated plants or gin trash is not to be fed to livestock. Do not use immature crops for feed.

Rotation to the following crops requires the minimum of the specified periods below after the last application of DAZE 4SC.

- 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 beetsfour (4) months
- carrots, onions and spinachnine (9) months
- lettuce ONLY when soil has been deep-plowed (12-15 inches)nine (9) months

DIRECTIONS FOR USE

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

Do not make applications of this product that may contact workers or other persons either by drift or directly. Protected handlers only are allowed in the area during application. Consult your State or Tribe agency responsible for pesticide regulations for any specific recommendation.

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 statement 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 worn over long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material.
- Chemical-resistant footwear plus socks
- Protective eyewear

To avoid defoliation of and injury to other plant species, prevent spray drift from contacting crops other than mature cotton.

Mixtures with organophosphate products can increase non-target crop phytotoxicity. Exercise additional care when lettuce, citrus, cantaloupes or any other edible crops are adjacent to DAZE 4SC treated fields.

PROCEDURES TO LOWER SPRAY DRIFT POTENTIAL ONTO NON-TARGET CROPS

Under windy weather conditions, applications of DAZE 4SC may drift to non-target crops. The following procedures can help reduce the potential for drift:

- If wind speeds top ten (10) miles per hour at the application site, do not make aerial or ground applications of DAZE 4SC.
- Nozzle pressures of 20 – 30 psi is recommended.
- Do not apply this product during a temperature inversion because drift potential is high. In addition, do not apply this product if the development of a temperature inversion appears likely during the application period.
- Do not apply this product by ground within 100 feet or by air within 0.5 mile of lettuce.

RIO GRANDE VALLEY OF TEXAS PROCEDURES TO LOWER SPRAY DRIFT POTENTIAL

The following procedures can help reduce the potential for drift:

- If wind speeds top ten (10) miles per hour at the application site, do not make aerial or ground applications of DAZE 4SC. If wind speeds are less than ten (10) miles per hour, observe local recommendations from your State Extension Cotton Specialist.
- Nozzle pressures of 20 – 30 psi is recommended.

- Do not apply this product during a temperature inversion because drift potential is high. In addition, do not apply this product if the development of a temperature inversion appears likely during the application period.
- Use the maximum nozzle orifice size that provides appropriate coverage and deposition of this product should be used.
- **CITRUS AREAS:** Do not apply this product by ground within 0.5 mile or by air within 5 miles downwind of citrus in flush.

SPRAY DRIFT MANAGEMENT

Avoid spray drift to nearby crops as this product will cause modifications in plant growth. Small seeded crops such as lettuce, carrots, onions and spinach are especially sensitive. Plant injury or reduced yields will result.

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 is responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops.

1. The distance of the outer most 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 air stream and never be pointed downwards more than 45 degrees.

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

AERIAL DRIFT REDUCTION ADVISORY

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).

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 - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. 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 parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from 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 produces larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produces the largest droplets and the lowest drift.

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 height - Applications should not be made at a height greater than 10 feet above the top of the target 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 crosswind, the swath will be displaced windward. Therefore, on the up and down edges of the field, the applicator should compensate for the displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with the increasing drift potential (higher wind, smaller drops, etc.).

WIND

Drift potential is lowest between winds speeds of 2 - 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should 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 spray 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 should 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 light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures 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 upward and rapidly dissipates indicates good vertical air mixing.

SENSITIVE AREAS

The pesticide should 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).

Thidiazuron products cannot be applied by air within ½ mile of lettuce or 5 miles downwind of the point of application when citrus is 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.)

TIME OF APPLICATION

DAZE 4SC defoliant applications are to be made only on mature cotton plants when the uppermost harvestable boll is mature. Boll maturity is defined as: 1) when a boll is squeezed between thumb and finger, it does not dent; 2) when cutting a cross section with a sharp knife is difficult; 3) when seeds in cross section lack liquid within the seed coat or outer edges of seed coat are light brown; and 4) when fully developed cotyledons are present.

Make applications of DAZE 4SC at least five (5) days prior to expected harvest date.

NOTE: The following conditions will determine adequate defoliation with DAZE 4SC:

- Cotton is actively growing
- High relative humidity
- Cotton plant leaves are turgid and not desiccated

CONDITIONS

Under low nighttime temperatures (below 60°F), this product, when used alone, may provide less than expected defoliation and / or regrowth suppression. For best results, apply this product when overnight temperatures will exceed 60°F two to three days before and after application.

The effects of DAZE 4SC on heat or drought stressed cotton having non-turgid leaves and extremely waxy leaf surfaces may include reduced defoliation and reduced regrowth suppression.

DAZE 4SC AS A FOLLOW UP DEFOLIATION TREATMENT

Reduced or unsatisfactory defoliation may occur when DAZE 4SC is used as a second or follow up treatment, except when following a prior DAZE 4SC or DAZE 50WP stand alone or tank mixed application with other defoliant. Also, see CONDITIONS.

CROP OIL / ADJUVANTS USAGE

Crop oil concentrates (COC's) or penetrating oils approved for agricultural crops have shown to improve performance under low nighttime temperatures (60° - 65°F) and heat or drought conditions. Follow adjuvant label recommendations for proper rates.

Adjuvant usage in the desert Southwest (i.e., Arizona and California) is recommended when applying DAZE 4SC.

ATTENTION: During periods of high temperature, the use of adjuvants may result in the freezing and/or desiccation of leaves. As a result, the use of such compounds is not recommended during high temperature periods.

MIXING INSTRUCTIONS

1. Fill spray applicator tank with at least one half of the water to be used
2. Start agitation
3. Add the appropriate volume of DAZE 4SC
4. Continue agitation and fill tank with the remainder of the water to be used
5. Agitation should continue throughout the application

TANK MIX ADJUVANTS

To assist in defoliation performance it is recommended, when using a combination of this product and organophosphate defoliant in a tank mix, that a compatibility agent or surfactant is also used. Always perform a small jar test for compatibility before tank-mixing.

When tank-mixing, only tolerance-exempt products (pursuant to 40 CFR 180.1001) are permitted for use.

Follow manufacturers label instructions of the appropriate adjuvant.

APPLICATION

Use an adequate volume of water with the recommended amount of DAZE 4SC defoliant to uniformly and completely cover leaves. For ground equipment, apply 10 – 25 gallon per acre and by air, use 3 –10 gallons per acre. Maintain agitation during application.

Do not allow mixed spray solution to stand overnight.

DOSAGE

General Use Rate Information (under normal conditions) for Cotton:

- 0.125 lbs ai/A
- Maximum application rate 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.

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For cutout and mature cotton under normal weather patterns, use Daze 4SC Cotton Defoliant 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 rates of Daze 4SC 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.

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

DAZE 4SC can be used to help reduce boll rot and hard lock caused by moisture retained in the canopy, by aiding improved air circulation within the cotton canopy. Base product application timing upon the latest date when application equipment will not cause significant crop damage when driving applicator through the cotton crop.

Application Rate: Use 0.05 lb. active ingredient/acre (1.6 fl. oz./A).

It is recommended to apply DAZE 4SC only to the bottom 1/3 of the plant.

ARIZONA AND CALIFORNIA ONLY: PRECONDITIONING

When used as a pre-conditioner seven to ten days before application of other defoliant compounds, this product will improve the efficacy of such a defoliant application. Before use, observe all product label directions, recommendations and prohibitions on both product's labels.

Application Rate: Use 0.05-0.1 lb. active ingredient/acre (1.6-3.2 fl. oz./A).

TANK MIXES OF DAZE 4SC AND ETHEPHON CONTAINING COMPOUNDS

Improved defoliation and improved opening of mature bolls can be achieved by tank mixing DAZE 4SC and Ethephon 6™ or its equivalents. For best results, apply to mature cotton plants (See Application Timing section of this label). Wait until unopened bolls have reached adequate maturity so as to not affect the desired cotton yield. **Certified cottonseed producers** should consult seed companies as to proper boll and seed maturity requirements for their varieties. Low nighttime temperatures (if expected to be below 60°F) can reduce defoliation and decrease regrowth suppression.

Application Rate: Use 0.05-0.2 lb. active ingredient/acre (1.6-6.4 fl. oz./A) of DAZE 4SC along with 1-2 lbs. active ingredient/acre (32-64 fl. oz./A) of Ethephon 6™.

Under conditions of excessive regrowth potential or expected low temperatures, use the higher rates of DAZE 4SC.

TANK MIX OF DAZE 4SC PLUS ETHEPHON FOR DEFOLIATION ENHANCEMENT:

To improve defoliation, you may use lower rates (high enough to promote boll opening) of Ethephon 6™ or its equivalents tank mixed with this product. Following such an application, Ethephon 6™ can still be used to promote boll opening. Per year, however, you may use no more than 2.0 lb. a.i./acre of Ethephon 6™ (approximately 42 fl.oz. of product) across all applications. Observe all product label directions, recommendations and prohibitions for Ethephon 6™.

Application Rate: Use 0.05-0.2 lb. active ingredient/acre (1.6-6.4 fl. oz./A) of DAZE 4SC along with 0.25 lbs. active ingredient/acre (32-64 fl. oz./A) of Ethephon 6™. If excessive regrowth or low temperatures are expected, use the higher rates of DAZE 4SC.

TANK MIX OF DAZE 4SC WITH TRIBUFOS PRODUCTS (DEF® / FOLEX®)

When plants to be treated are subject to non-ideal conditions, such as overnight temperatures below 60°F one day previous and three days after application, it is recommended to tank mix this product and DEF® 6 / FOLEX® 6 EC. This combined spray solution will improve regrowth suppression and defoliation.

Make tank mix applications to mature cotton with at least 60% open bolls to achieve best activity.

RATE OF APPLICATION for DAZE 4SC – TRIBUFOS TANK MIXES

DAZE 4SC at 1.6 to 6.4 fluid ounces per acre + DEF® 6 at 0.5 – 2.0 pints per acre.

DAZE 4SC at 1.6 to 6.4 fluid ounces per acre + FOLEX® 6 EC at 0.5 – 2.0 pints per acre.

If excessive regrowth is expected, use the higher rates of DAZE 4SC.

ATTENTION: Desiccation may occur when tank mixing organophosphate defoliant and maximum rates of this product during extremely high temperatures.

When under low temperatures of 60° - 65°F, use the higher rates of DEF® 6/ FOLEX® 6 EC as specified.

For tank mix of DAZE 4SC and DEF® 6 / FOLEX® 6 EC:

Follow MIXING INSTRUCTIONS. Following the complete dispersion of DAZE 4SC, add the required amount of DEF® 6 / FOLEX® 6 EC to spray tank. Should an additional application of this tank mix be necessary, be sure to use no more than a total of 0.3 lb. active ingredient per acre (9.6 fl.oz./A) of this product.

Observe all product label directions for use, recommendations, prohibitions and tank mixing compatibility instructions for DEF®6 and FOLEX® 6 EC.

**CAMERON, HIDALGO, STARR AND WILLACY COUNTIES OF THE STATE OF TEXAS:
THE USE OF A TANK MIX OF THIS PRODUCT WITH DEF® 6 OR FOLEX® 6 EC IS PROHIBITED.**

IMPORTANT CLEANOUT INSTRUCTIONS

When tank mixing organophosphate defoliant with DAZE 4SC, a residue may form in application equipment. This residue can best be flushed out of the spraying system by using a commercial tank cleaner when done while residue is still fresh and moist. **DO NOT ALLOW EQUIPMENT TO DRY BEFORE CLEANOUT.** Consult your State Extension Cotton Specialist for recommended tank cleaners and cleaning procedures.

Tank cleaner and water should be used immediately after application. The entire system including nozzles, booms, application tanks, sumps, pumps, and transfer lines should be flushed. Allowing the spray solution to dry in the application equipment can result in residues that are more difficult to remove. **Dried residues are extremely difficult to remove. To remove such dried residues, fill the affected equipment to capacity with commercial tank cleaner solution and let it remain for 7 days. Afterwards, the equipment will need to be thoroughly flushed and rinsed.**

Spray application equipment that has been inadequately cleaned will contain residue of DAZE 4SC. Such improper cleaning could lead to crop damage in later applications.

Winfield Solutions, LLC assumes no liability for crop damage due to equipment that has not been properly cleaned.

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