

264-661

10/01/2002

ACCEPTED

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Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 264-661

Dropp Ultra™ COTTON DEFOLIANT

FOR AGRICULTURAL USE ONLY
Packaged In Water-Soluble Bags

NOT FOR SALE OR USE IN CALIFORNIA

ACTIVE INGREDIENTS:*	Percent by Weight
Thidiazuron: N-phenyl-N'-1,2,3-thidiazol-5-ylurea.....	50%
Diuron: 3-(3,4-dichlorophenyl)-1,1-dimethylurea	25%
INERT INGREDIENTS:	25%
*Protected by U.S. Patent Nos. 4,294,605 and 4,613,354	TOTAL 100%

EPA Reg. No. 264-661

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION – CAUCION

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577

For **PRODUCT USE** Information Call 1-888-AVENTIS (1-888-283-6847)

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 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.

For **MEDICAL** Emergencies Call 24 Hours A Day 1-800-334-7577.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Harmful if swallowed, or absorbed through the skin. Avoid contact with skin, eyes, and clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves, such as nitrile rubber or butyl rubber gloves
- 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

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.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing 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 equipment washwaters. Do not apply when weather conditions favor drift from target area.

STORAGE AND DISPOSAL

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

STORAGE: Do not store box under wet conditions. Handle box carefully when stored at temperatures of less than 50°F to avoid breakage of soluble bags.

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: Completely empty box into application equipment. Then dispose of empty box in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

Dropp® Ultra™ is a defoliant to be used as a harvest aid for cotton. The product is formulated as a wettable powder containing 75% active ingredients (75WP) and is packaged in water soluble bags. Dropp® Ultra™ disperses easily in water and can be used in any ground and aircraft equipment designed for application of wettable powders. It may take several days before the effect of Dropp® Ultra™ becomes noticeable. Adverse conditions, such as low temperatures, may require higher dosages and/or longer times for more complete defoliation. Dropp® Ultra™ 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 may reduce the effectiveness of Dropp® Ultra™. 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 application of Dropp® Ultra™:

small grains, sorghum, corn, or root crops (except carrots, onions).....	two (2) months
legumes (including alfalfa) or leafy vegetables (except lettuce)	two (2) months
cole crops, garlic, safflower, tomatoes, or watermelon	two (2) months
carrots	three (3) months
onions	four (4) months
cantaloupe, honeydew melon/ casaba melon, muskmelon, or peppers	five (5) months
lettuce	two (2) months

*with deep-plowing of soil (12–15 inches);
or nine (9) months when soil is only disced (4–6 inches).*

Cover Crops: Small grains and/or legumes intercropped within the cotton crop to which Dropp® Ultra™ will be applied may **only** be used as cover crops and may not be harvested for food or feed. Small grains and/or legumes planted earlier than two (2) months following Dropp® Ultra™ application may **only** be used as cover crops and may not be harvested for food or feed.

Do not plant any other *rotational* crops (except those specified above) within one year of application of Dropp® Ultra™.

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 Dropp® Ultra™ 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, Dropp® Ultra™ may drift to nontarget crops.

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

- Do not apply Dropp® Ultra™ 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 Dropp® Ultra™ when a temperature inversion is present or when conditions favor an inversion prior to completing application(s).

- Additionally, do not apply Dropp® Ultra™ by air within one-half (1/2) mile of lettuce. Do not apply Dropp® Ultra™ by ground equipment within 100 feet of lettuce.

PRACTICES TO LOWER DRIFT POTENTIAL ONTO NONTARGET CROPS IN THE RIO GRANDE VALLEY OF TEXAS.

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

- Do not apply Dropp® Ultra™ 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 Dropp® Ultra™ when a temperature inversion is present or when conditions favor an inversion prior to completing application(s).
- Use the largest nozzle orifice possible which permits proper depositing and coverage of product.
- In addition, for citrus crops, do not apply Dropp® Ultra™ by air when citrus in flush is within five (5) miles downwind of the point of application. Do not apply Dropp® Ultra™ by ground when citrus in flush is within one-half (1/2) mile.

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 intervals. The requirements in this box only apply to uses of this product that are covered by 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, such as nitrile rubber or butyl rubber gloves
- Shoes plus socks

TIME OF APPLICATION

Apply Dropp® Ultra™ as a cotton defoliant 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 Dropp® Ultra™ at least 5 days prior to anticipated harvest.

NOTE: Good defoliation with Dropp® Ultra™ is dependent upon three factors:

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

Response of the cotton plant to an application of Dropp® Ultra™ slows under temperatures below 60°F. Ideally, nighttime temperatures 2–3 days prior to and following application should be no less than 60°F or defoliation and/or regrowth inhibition can be reduced.

Use of Dropp® Ultra™ on heat and drought-stressed cotton (low leaf moisture, thick cuticle, etc.) can result in less than satisfactory defoliation and regrowth inhibition.

USE OF ADJUVANTS (CROP OILS)

The use of adjuvants such as petroleum-based crop oils or penetrating oils approved for use on growing crops have been shown to improve performance of Dropp® Ultra™. Refer to specific adjuvant labels for rate recommendations. However, 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.

PRECAUTION: Risk of desiccation increases if Dropp® Ultra™ is tank mixed with methyl parathion. Three-way tank mixes of Dropp® Ultra™, crop oil concentrate, and methyl parathion are not recommended during periods of high temperatures.

MIXING INSTRUCTIONS

Fill the spray tank with one-half the total amount of water to be used. After opening each box to be used, open inner foil liners for the bags. Immediately dump the entire contents of the required number of boxes of soluble bags into the mix tank. Fill the tank with the additional quantity of water required and then start the agitator. Use entire contents of each box.

TANK MIX ADJUVANTS

When using tank mixes of Dropp® Ultra™ and organophosphates, the use of a surfactant or compatibility agent is recommended to improve tank clean-out and overall defoliation. Prior to mixing in the spray tank, a small scale compatibility test should be conducted.

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

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

DOSAGE

One box (5 x 1 lb. bags) of Dropp® Ultra™ treats 20–50 acres (0.25–0.10 lbs. of Dropp® Ultra™ per acre). Apply in 10–25 gallons of spray per acre by ground equipment and 2–10 gallons per acre by air. Use the higher rates where excessive regrowth is anticipated or during periods of low nighttime temperatures (60°– 65°F). Two applications may be necessary to defoliate rank cotton. Do not apply more than 0.25 lbs of Dropp® Ultra™ per acre per season.

DROPP® ULTRA™ APPLICATION RATE TABLE

To Achieve An Application Rate Of:	Use This Amount of Dropp® Ultra™	At Application Rate, One Box (5 x 1 lb.) Will Treat
0.10 lb /Acre (0.075 lb ai/Acre)	5 lbs.	50 Acres
0.133 lb/Acre (0.10 lb ai/Acre)	5 lbs.	38 Acres
0.20 lb/Acre (0.15 lb ai/Acre)	5 lbs.	25 Acres
0.25 lb/Acre (0.1875 lb ai/Acre)	5 lbs.	20 Acres

DO NOT APPLY MORE THAN 0.25 POUNDS OF DROPP® ULTRA™ PER ACRE PER SEASON.

TANK MIX INSTRUCTIONS

Dropp® Ultra™ can be tank mixed with other products registered for use on cotton. Use other registered cotton products in a tank mix at rates recommended on labels for the products and follow all precautions, restrictions, and directions for use which appear on those product labels.

TANK MIX OF DROPP® ULTRA™ PLUS PREP® FOR BOLL OPENING:

A tank mix of Dropp® Ultra™ plus 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 Dropp® Ultra™ at a rate of 0.1–0.25 lbs. formulated product plus PREP® at 1.0–2.0 lbs. active ingredient per acre. The higher rate of Dropp® Ultra™ should be used where excessive regrowth is anticipated, or during cooler temperatures.

Apply as a dilute spray as follows:

Application Method	Gallons of Water/Acre
Aerial	3–10
Ground	10–50

TANK MIX OF DROPP® ULTRA™ PLUS PREP FOR DEFOLIATION ENHANCEMENT:

Lower rates of PREP® may be tank mixed with Dropp® Ultra™ to enhance defoliation without providing boll opening activity. PREP® may still be applied as a sequential treatment for boll opening following an application of Dropp® Ultra™ plus PREP® at a defoliation enhancement rate. Read and follow the PREP® label, and do not exceed the maximum rate for combined uses of PREP® per acre per year.

Apply Dropp® Ultra™ at a rate of 0.1–0.25 lbs. formulated product plus PREP® at 1/3 pint per acre (0.25 lbs. ai/acre). The higher rates of Dropp® Ultra™ should be used where excessive regrowth is anticipated, or during cooler temperatures.

IMPORTANT CLEANOUT INSTRUCTIONS

Tank mixes of Dropp® Ultra™ 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. Refer to Aventis CropScience technical information bulletins for recommended tank cleaners which have been found to effectively remove these **fresh residues**.

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

Should small quantities of Dropp® Ultra™ remain in inadequately cleaned equipment, they may be released during subsequent applications and may cause damage to crops. Aventis CropScience accepts no liability for damage to crops due to inadequately cleaned equipment.

SEQUENTIAL APPLICATION PRECAUTION

Applications of Dropp® Ultra™ following any defoliant or desiccant **except Dropp® 50WP used alone**, or Dropp 50WP tank mixed with PREP®, or Dropp® Ultra™ used alone, is not recommended, as reduced activity on the second treatment will result.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

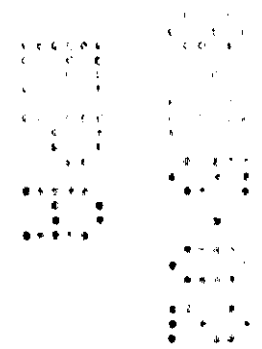
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Dropp Ultra Cotton Defoliant

Dropp Ultra Cotton Defoliant (PENDING) Submitted 8/14/02.