



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505C)
 401 "M" St., S.W.
 Washington, D.C. 20460

EPA Reg. Number:
 45639-201

Date of Issuance:
 JUN 18 1996

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
 Conditional

Name of Pesticide Product:
 Dropp Ultra

Name and Address of Registrant (include ZIP Code):

AgrEvo USA Company
 Little Falls Centre One
 2711 Centerville Road
 Wilmington, DE 19808

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.

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes before you release the product for shipment:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 45639-201".
- b. Delete the phrase "...if irritation persists" from the end of the dermal statement in the Statement of Practical Treatment.
- c. The statement "Do not get on skin or on clothing" may be deleted from the Precautionary Statements. The restriction is appropriately addressed by the following statement, "Avoid contact with skin, eyes, and clothing."

Signature of Approving Official:

Date:

JUN 18 1996

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- d. The statements "Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse" may be deleted from the Precautionary Statements. These restrictions are addressed in language specified by the Worker Protection Standards.
- e. Revise the requirement of waterproof gloves in the list of personal protective equipment for applicators and other handlers as well as for early reentry to a requirement for chemical resistant (such as nitrile or butyl) gloves.
- f. Add a statement to the directions for the recommended tank mix to direct the user to also follow all precautions, restrictions, and directions for use on the tank mix partner's product label.
- g. Add the appropriate EPA Establishment Number.

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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.

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

Enclosure

DK:305-7546:FHB/PM23		CONCURRENCES						
SYMBOL ▶	7505C							
SURNAME ▶	D. KENNY							
DATE ▶	6/17/96							

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SPECIMEN LABEL

FOR AGRICULTURAL USE ONLY

Dropp[®] UltraTM

ACCEPTED
with COMMENTS
In EPA Letter Dated

JUN 18 1996

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
45639-201

**COTTON DEFOLIANT
PACKAGED IN WATER SOLUBLE BAGS
NOT FOR SALE OR USE IN CALIFORNIA**

ACTIVE INGREDIENTS:

Thidiazuron: N-phenyl-N'-1,2,3-thiadiazol-5-ylurea

Diuron: 3-(3,4-dichlorophenyl)-1,1-dimethylurea

INERT INGREDIENTS:

Percent by Weight

50%

25%

25%

100%

EPA Reg. No. 45639-ENR

Protected by U.S. Patent Nos. 4,294,605 and 4,613,354

KEEP OUT OF REACH OF CHILDREN

CAUTION- CAUCION

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF SWALLOWED: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or if available, by administering syrup or ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

IN CASE OF MEDICAL EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, OR IN CASE OF FIRE, LEAKING OR DAMAGED CONTAINERS, INFORMATION MAY BE OBTAINED BY CALLING 800-228-5635, EXT. 202.

 AgrEvo USA Company

Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

NET CONTENTS

EPA REC'D
6/11/96

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

Causes moderate eye irritation. Harmful if swallowed, or absorbed through the skin. ~~Do not get on skin or on clothing.~~ Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- > Long-sleeved shirt and long pants
- > Waterproof 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 dosage 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 watermelontwo (2) months
- carrotsthree (3) months
- onions.....four (4) months
- cantaloupe, honeydew melon/ casaba melon,
muskmelon, or peppersfive (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 non-target crop phytotoxicity.

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

During applications, particularly under windy conditions, Dropp Ultra may drift to non-target 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 NON-TARGET 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 down-wind 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
- > Waterproof 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, night-time 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 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 night-time 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 the Indicated Rate, One Box (5 x 1 lb bags) of Dropp Ultra 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 OF Dropp Ultra PLUS PREP¹ 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 night-time 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 AgrEvo 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, clean 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. AgrEvo USA Company 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-mixes with Prep, or Dropp Ultra used alone, is not recommended, as reduced activity on the second treatment will result.

¹ Prep is a registered trademark of Rhône-Poulenc, Inc.

IMPORTANT: READ BEFORE USE


By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond AgrEvo USA Company's control, it is impossible for AgrEvo USA Company to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of AgrEvo USA Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. AgrEvo USA Company disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

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