

**SPECIMEN LABEL****BEST AVAILABLE COPY**45639-89  
**FOR AGRICULTURAL USE ONLY****Drop<sup>®</sup>****50 WP****COTTON DEFOLIANT**  
Packed In Water-Soluble Bags**ACTIVE INGREDIENT:** Thidiazuron  
N-phenyl N'-1,2,3-thiadiazol-5-ylurea  
**INERT INGREDIENTS**

50

50

Total 100

**EPA REG. NO. 45639-89****EPA EST. NO. 33689-WG-1****PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION – CAUCION**  
**STATEMENT OF PRACTICAL TREATMENT****IF SWALLOWED:** CALL A PHYSICIAN OR POISON CONTROL CENTER. DRINK 1 OR 2 GLASSES OF WATER AND INDUCE VOMITING BY TOUCHING BACK OF THROAT WITH FINGER. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**IF INHALED:** REMOVE PERSON TO FRESH AIR.**IF IN EYES:** FLUSH WITH PLENTY OF WATER FOR FIFTEEN MINUTES.**IF ON SKIN:** WASH WITH PLENTY OF SOAP AND WATER.

THIS BOX CONTAINS DROPP 50 WP IN WATER SOLUBLE BAGS. INNER BAGS DISSOLVE IN WATER AND CONTENTS DISPERSE. AFTER OPENING OUTER BOX, OPEN FOIL LINER. IMMEDIATELY BUMP ENTIRE UNOPENED INNER BAGS INTO THE MIX TANK. DO NOT HANDLE SOLUBLE BAGS OR EXPOSE THEM TO MOISTURE, SINCE THIS MAY CAUSE BREAKAGE.

SEE SIDE PANEL FOR ADDITIONAL INFORMATION AND STATEMENTS.

**NOR-AM**  
NORAM CHEMICAL COMPANY3509 Silverside Road, P.O. Box 7495  
Wilmington, DE 19803**NET CONTENTS:**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS —** 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.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons.

The area being treated must be vacated by unprotected persons.

**ENVIRONMENTAL HAZARDS —** DO NOT APPLY DIRECTLY TO WATER OR WETLANDS. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT FROM THE TARGET AREA.

## 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:** Do not contaminate water, food or feed by storage or 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® 50WP cotton defoliant is used for removal of leaves prior to harvesting. Dropp 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 becomes noticeable. Adverse conditions, such as low temperatures, may require higher dosages and/or longer times for more complete defoliation. Dropp inhibits regrowth after defoliation and thus reduces staining of lint during harvesting and ginning.

### USE PRECAUTIONS

Do not allow spray drift to contact trees or crops other than cotton, as this product may injure or defoliate other crops. Rainfall within 24 hours after application will reduce the effectiveness of Dropp. 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 small grain, sorghum, corn or root crops earlier than two weeks after application of Dropp. Do not plant legumes, alfalfa or leafy vegetables earlier than two months after application of Dropp. Do not use immature crops for food or feed.

### DIRECTIONS FOR USE

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

### REENTRY STATEMENT

Reentry into treated areas is prohibited until leaves are completely dry or until 24 hours after application.

Do not enter treated areas without protective clothing.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

**CAUTION:** Area treated with Dropp® 50WP on (date of application). Do not enter without appropriate protective clothing for 24 hours or until leaves are completely dry. In case of accidental exposure see Statement of Practical Treatment on the label.

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### Time of Application

Apply DROPP 50 WP cotton defoliant only to mature cotton plants when 60-70% or more of the bolls are open, and the remaining bolls are determined to be mature.

A boll is mature when it is too hard to be dented when squeezed between thumb and fingers, too hard to be sliced with a sharp knife, and when the seed coat becomes light brown in color.

Apply DROPP 50 WP at least 5 days prior to anticipated harvest.

Note: Good defoliation with DROPP is dependant upon three factors:

1. High air temperature
2. High humidity
3. High moisture content in leaf of cotton plant

Do not use DROPP 50 WP alone or in combinations when nighttime temperatures are expected to fall below 60°F. Performance of DROPP 50 WP alone or in tank mixes is variable under low temperatures. Ideally, nighttime temperatures 2-3 days following application should be above 60°F or total defoliation can be affected. Use of DROPP 50 WP on drought stressed cotton (low leaf moisture, thick cuticle, etc) may result in less than satisfactory defoliation.

**MIXING INSTRUCTIONS**

Fill the spray tank with one-half of the total amount of water to be used. After opening each box to be used, open its foil liner. Then, with the agitator running, immediately dump the entire contents of the required number of boxes of soluble bags into the mix tank and fill the tank with the additional quantity of water required. Use entire contents of each box.

**APPLICATION**

Use the specified dosage of Dropp<sup>®</sup> 50WP cotton defoliant in sufficient amount of water to give complete coverage of the foliage with uniform wetting of leaf surfaces. Agitate the spray mix during application.

**DOSAGE**

One box (5 x 1 lb. bags) of Dropp treats 12.5-25 acres (0.2-0.4 lbs. Dropp 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 during periods of low temperatures.

Two applications not exceeding a total of 1 box per 8.3 acres (0.6 lbs./acre) may be necessary to defoliate rank cotton.

**BOTTOM DEFOLIATION FOR USE IN ARIZONA ONLY**

Dropp 50WP may be used as an aid to improve air circulation and help reduce boll rot caused by moisture.

Apply Dropp 50WP at .1 lbs. formulated product per acre in 10-25 gallons of water per acre.

Application to bottom 1/3 of plant only recommended.

Timing of application should be based upon the latest date when ground application equipment can enter the field without crop damage.

**PRE-CONDITIONING FOR USE IN ARIZONA AND CALIFORNIA ONLY**

Dropp 50WP may be used as a pre-conditioner to enhance the activity of a defoliant application.

Apply Dropp 50WP at 0.1 - 0.2 lbs. formulated product per acre. Apply in 10-25 gallons of water per acre by ground application or 2-10 gallons of water per acre by aerial application.

Timing of application is recommended to be 7-14 days prior to the use of another defoliant. Refer to the second product label prior to use for complete recommendations.

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TANK MIX OF DROPP 50WP PLUS PREP<sup>(1)</sup> (NOTE: Not for use in the states of California or Arizona)

The tank mix of DROPP 50WP + 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 with 50-60% open bolls and the remaining bolls are determined to be mature (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. Do not apply tank mix if righttime temperatures are expected to fall below 60°F; unsatisfactory defoliation may result. Certified cotton seed producers should determine boll and seed maturity prior to treatment.

Direction for Use: Apply DROPP 50 WP at a rate of 0.1 - 0.2 lbs. formulated product plus Prep at 1.0 - 2.0 lbs. active ingredient per acre.

Higher rate of DROPP should be used where excessive regrowth is anticipated, or during cooler temperatures.

Apply as a dilute spray as follows:

<u>Application</u>	<u>Gal. Water/Acre</u>
Aerial	3 - 10
Ground	10 - 50

Use Precautions: Avoid spray drift to non-target crops as phytotoxicity may occur.

<sup>(1)</sup> Prep is a trademark of Union Carbide Agricultural Products., Inc.

TANK MIX OF DROPP 50 WP PLUS DEF 6<sup>1</sup> OR DROPP 50 WP PLUS FOLEX 6 EC<sup>2</sup> FOR USE IN LA., MS., ARK., ALA., GA., NC., SC., TN. ONLY

The tank mix of DROPP 50 WP and DEF 6 or FOLEX 6 EC is recommended to improve defoliation and inhibit regrowth under less than ideal conditions. Less than ideal conditions are those when the nighttime temperatures are expected to be 60°F on the date of application and for three days following application.

Best activity will be obtained when the tank mix is applied to mature cotton plants with 60% or more open bolls.

Rates of Application/Acre

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DROPP 50 WP + DEF 6 = Use .1-.2 lbs DROPP 50 WP +  
.5-.1.0 pints DEF 6

DROPP 50 WP + FOLEX 6 EC = Use .1-.2 lbs DROPP 50 WP  
+ 1.0-1.3 pints FOLEX 6 EC

Higher rate of DROPP 50 WP should be used where excessive regrowth is anticipated.

Maximum rates of DROPP and phosphate defoliant applied in a tank mix during very high air temperatures can cause desiccation.

Use lower rate of DEF 6 or FOLEX 6 EC under ideal nighttime temperature conditions (65°F); higher rate during less than ideal or adverse conditions.

Apply as a dilute spray in 5-10 gallons of water per acre by air or 10-25 gallons of water per acre with ground equipment.

When applying DEF 6 or FOLEX 6 EC defoliant plus DROPP 50 WP as a tank mix, the following mixing sequence is recommended:

- 1) Add required water to spray tank, agitate
- 2) Add DROPP 50 WP according to label directions  
(see mixing instructions)
- 3) Add DEF 6 or FOLEX 6 EC according to rate desired  
after the DROPP 50 WP has completely dispersed.

A second application of the labeled tank mix or of DROPP alone may be made where necessary.

<sup>1</sup> DEF 6 is a registered trademark of Mobay Chemical Corporation, Agricultural Chemical Division

<sup>2</sup> FOLEX 6 EC is a registered trademark of Rhone-Poulenc Inc., Agrochemical Division.

CLEAN-OUT INSTRUCTIONS

Tank mixes of DROPP 50WP with organophosphates can form a residue in application equipment. While still fresh and moist, this residue is easily removed by flushing the entire system with water and an ordinary detergent such as Tide®. Loveland Tank and Equipment Cleaner<sup>(1)</sup> has also been found to be effective in cleaning out fresh residues. On drying and aging, this residue becomes increasingly difficult to remove.

Do not allow the spray solution to dry in the application equipment. Within 2 hours of finishing applications, clean all equipment (mix tanks, pumps, transfer lines; application tanks, sumps, booms and nozzles; and all related equipment) thoroughly with detergent and water.

(1) Loveland Industries, Inc., P. O. Box 906, Loveland. CO 80539

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