

# Cotoran® 80 WP

Herbicide

## SAMPLE LABEL

For preemergence and post-emergence weed control in cotton and sugarcane.

**Active Ingredient:**  
Fluometuron: 1,1-dimethyl-3-(*n,n,n*-trifluoro-*m*-tolyl)urea 80%  
**Inert ingredients:** 20%  
**Total:** 100%

Cotoran 80 WP is a wettable powder.

### Caution:

Keep out of reach of children. May be harmful if swallowed. Avoid inhaling dust. Wash hands with soap and water before eating, drinking, or smoking. Do not contaminate water by dumping tank washings in ponds or streams. Destroy empty containers by burning. Do not inhale smoke from burning containers.

EPA Reg. No. 8192-5-  
100-549

ACCEPTED

MAY 25 1973

UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POLICY REGISTERED UNDER NO. 8192-5 SUBJECT TO ATTACHED COMMENTS.

Transferred to  
100-549

### DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

**IMPORTANT:** Read the entire Directions For Use and the Conditions Of Sale And Warranty before using this product.

#### Conditions Of Sale And Warranty

The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. CIBA-GEIGY and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions Of Sale And Warranty and may be varied only by agreement in writing made by a duly authorized representative of CIBA-GEIGY.

Cotoran® 80 WP

ACCEPTED

5-25-73

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### General Information

Cotoran 80 WP is effective for both annual grass and annual broadleaf weed control in cotton and sugarcane.

### Weed Control

Cotoran 80 WP applied according to directions will selectively control annual weeds in cotton and sugarcane such as:

### Annual Grass Weeds

Barnyardgrass	Fall Panicum
Brachiaria	Foxtail
Crabgrass	Goosegrass
Crowfootgrass	Ryegrass

### Annual Broadleaf Weeds

Buttonweed	Pigweed
Cocklebur	Prickly Sida
Florida Pusley	(Ironweed or teaweed)
Goathead	Purslane
Groundcherry	Ragweed
(Wright)	Sesbania
Jimsonweed	Sicklepod
Lambsquarters	Smartweed
Morningglory	Tumbleweed

Cotoran 80 WP at rates up to 2.5 pounds per acre in cotton and up to 5.0 pounds per acre in sugarcane is not effective for the control of established perennial weeds such as Johnsongrass from rhizomes.

### Band Treatment

The following formula may be used to calculate the amount of Cotoran 80 WP per acre needed for band treatment:

Band width (inches)	rate 'A' for broadcast treatment	amount needed for band treatment
row width (inches)	X	

### Equipment

Use conventional spray equipment and TeeJet nozzle tips 8002 to 8006, or equivalent, for broadcast applications, or 8002E to 8006E nozzle tips, or equivalent, for band treatments. Screen size should be 50 mesh.

### Mixing Instructions

Cotoran 80 WP is highly concentrated and should be thoroughly mixed as a paste or thick slurry in water (cotton or sugarcane) or nitrogen solution (cotton only) in a separate container before adding to the spray tank. The spray tank should contain 1/3 to 1/2 the total amount of water or nitrogen solution to be used before adding the slurry.

Use by-pass or mechanical agitation in the spray tank. Avoid leaving spray mixture in tank without constant agitation. If by-pass agitation is used, it should terminate at the bottom of the tank to minimize foaming.

If Cotoran should settle out when mixed with liquid nitrogen solutions, a suspensibility agent, such as Complex, may be used at recommended rates.

### Directions for Use

#### Cotton

Cotoran 80 WP may be applied as a preemergence treatment to the surface of the soil, or lightly incorporated immediately after planting, or as a directed, semi-directed, or over-the-top postemergence application. Cotoran may be tank-mixed with most liquid nitrogen fertilizers and applied as a preemergence treatment. Cotoran may be applied as a preemergence surface treatment after a preplant soil-incorporated treatment of trifluralin and nitralin. Cotoran may be tank-mixed with DSMA or MSMA and applied as a postemergence directed spray to cotton from three inches high to first bloom.

Cotoran 80 WP is most effective when used as follows:

**1st Application:** Preemergence broadcast. See application direc-

tions below.

**2nd Application:** Postemergence, directed, semi-directed, or over-the-top when cotton is 3 to 6 inches high. See application directions below.

**3rd Application:** If needed, post-emergence, directed, or semi-directed, at lay-by (last normal cultivation). See application directions below.

#### Preemergence Treatment

Apply Cotoran 80 WP at a rate of 1.25 to 2.5 pounds per acre in 25 to 40 gallons of water per acre. On light silt and sandy soils, low in organic matter, use the lower rate.

Cotoran may be applied to the surface of the soil, or lightly incorporated into the soil, after planting cotton.

#### Preemergence with Liquid Nitrogen Fertilizer Solutions

Cotoran 80 WP may be tank-mixed with most liquid nitrogen fertilizers. Use 1.25 to 2.5 pounds Cotoran 80 WP per acre in the nitrogen solutions.

#### Preplant Incorporated Use (Arizona, California, and New Mexico only)

Cotoran 80 WP can be applied preplant as a broadcast spray at 2.0 lb/A after the beds for preplant irrigation have been formed. Apply in 25 to 40 gallons of water per acre before the beds are dragged off in preparation for planting. Irrigation should precede the application and planting should follow as soon as possible. Plant into untreated soil after drag-off and return treated soil to the beds when furrows are reformed. Do not allow irrigation water to pond over the beds.

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