

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Feb 10 1995

Thomas J. Parshley  
Senior Regulatory Manager  
Ciba-Geigy Corp.  
P.O. Box 18300  
Greensboro, NC 27419-8300

Dear Mr. Parshley:

Subject: Cotoran + MSMA ✓  
EPA Reg. No. 100-553  
Label Revisions  
Your Letter & Application Dated Feb. 1, 1995

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments given below. You must submit one (1) copy of your final printed labeling for our records, prior to releasing the product for shipment.

Under Environmental Hazards, change the first sentence of the ground water advisory to read, "This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water."

Sincerely,

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Cynthia Giles-Parker  
Product Manager (22)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

cc: Andrew Ertman, SRRD  
Tom Luminello, SRRD

CONCURRENCES

SYMBOL	7505C						
SURNAME	C. Giles						
DATE	3/9/95						

(WPS)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 10 1995

Cotoran® + MSMA with Surfactant

Herbicide

For postemergence weed control in cotton

One Gallon

U.S. Standard Measure

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

100-553

SHAKE WELL BEFORE USING

Use entire contents at one time

Active Ingredients:

Fluometuron: 1,1-dimethyl-3-	
( $\alpha, \alpha, \alpha$ -trifluoro- <i>m</i> -tolyl) urea .....	13.2%
<u>Monosodium acid methanearsonate*</u> .....	<u>27.6%</u>
<u>Inert Ingredients:</u> .....	<u>59.2%</u>
Total:	100.0%

\*Total arsenic, as elemental, all in water soluble form, 12.7%.

This mixture contains 2 lbs. Cotoran 80W and 3.3 lbs MSMA (6 lbs. DSMA equivalent) per gal.

KEEP OUT OF REACH OF CHILDREN.

**CAUTION**

See additional precautionary statements on back of panel.

EPA Reg. No. 100-553

See directions for use on back panel.

Ciba-Geigy

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, which may be varied only by agreement in writing signed by a duly authorized representative of Ciba-Geigy.

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 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. Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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
- Chemical-resistant footwear plus socks
- Protective eyewear

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General Information

Cotoran + MSMA with Surfactant is effective for postemergence control of broadleaf and grass weeds in cotton, such as:

Grass Weeds

Barnyardgrass	Dallisgrass	Johnsongrass
<u>Brachiaria</u> spp.	Fall panicum	Nutgrass
Crabgrass	Foxtail	Ryegrass
Crowfootgrass	Goosegrass	Sandbur

Broadleaf Weeds

Buttonweed	Morningglory	Purslane
Cocklebur	Pigweed	Ragweed
Florida pusley	Prickly sida	Sesbania
Goathead	(ironweed or	Sicklepod
Jimsonweed	teaweed)	Smartweed
Lambsquarters	Puncturevine	Tumbleweed

Band Treatment

For band applications, the following formula may be used to calculate the amount of Cotoran + MSMA with Surfactant required:

$$\frac{\text{band width (inches)}}{\text{row width (inches)}} \times 0.5 \text{ gal. per acre} = \text{gals. needed per acre}$$

Equipment

Use conventional spray equipment with 80° fan-type nozzles. Screen size should be 50-mesh.

Do not apply this product through any type of irrigation system.

Mixing Instructions

Cotoran + MSMA with Surfactant is a highly concentrated formulation and should be thoroughly shaken before mixing. Pour recommended amount of Cotoran + MSMA with Surfactant into nearly filled spray tank or premix in a bucket half filled with water, and pour mixture into nearly filled spray tank.

By-pass agitation should terminate at the bottom of the tank to minimize foaming. Avoid leaving spray mixture in tank without constant agitation.

Do not add surfactant to the mix or damage may result.

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After use, clean equipment thoroughly. Do not contaminate water by cleaning of equipment or disposal of wastes.

### Application

Apply Cotoran + MSMA with Surfactant at the broadcast rate of 1/2 gal. per acre, in 25 to 40 gals. of water per acre. Direct spray to the base of the cotton plants, avoiding the cotton foliage. Apply only when cotton is 3 inches high to first bloom. Best results are obtained when applied to young, actively growing weeds at air temperatures above 70°F.

**Precaution:** Do not make more than two applications of Cotoran + MSMA with Surfactant to the same crop or field in any one year.

Slight burnings and a reddish discoloration of the cotton leaf may occur occasionally following treatment with products containing MSMA, but the cotton plants will develop normally.

**West Texas Only:** Do not use this product on sand, loamy sand, or fine sandy loam soils.

**Note:** Do not graze treated field or feed plants or gin trash from treated areas to livestock. Do not plant crops other than cotton within one year after last application, or crop injury may result. Do not apply within 60 days of harvest.

### Storage and Disposal

Do not store or dispose of pesticide, spray mixture, or rinsate in a manner that is likely to result in contamination of water, food, feed, other pesticides, seed, or fertilizer, or is otherwise likely to result in accidental ingestion by humans or domestic animals.

Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions, must be disposed of according to federal, state, or local procedures under the Resource Conservation and Recovery Act. For guidance in proper disposal methods, contact your state pesticide or environmental control agency, or the Hazardous Waste representative at the nearest U.S. EPA Regional Office.

Triple rinse container (or equivalent). 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 minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other emergency, call 1-800-888-8372 day or night.

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

**CAUTION**

May be fatal if absorbed through skin. Causes eye irritation. Do not get in eyes, on skin, or on clothing. Wear protective clothing as specified under Directions for Use on this label. Harmful if swallowed or inhaled. Avoid breathing vapor or spray mist.

**First Aid:** If on skin, wash with plenty of soap and water. Get medical attention. 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 in eyes, flush with plenty of water. If inhaled, move to fresh air.

**Personal Protective Equipment:**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear

- Chemical-resistant apron when cleaning equipment, mixing, or loading
- For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)
- For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH) approval number prefix TC-21C)

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 Control Statements:**

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**

This chemical is known to leach through soil into ground water under certain conditions as a result of registered uses. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

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 wash waters.

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Ciba Crop Protection  
Ciba-Geigy Corporation  
Greensboro, North Carolina 27419

CGA 34L1H 015

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Revised	September 21, 1993
Revised	January 24, 1995
	(Add GW Advisory, other changes)

[GANNONC.LABELC]COTMSMAW - 1/25/95

