

66222 - 30

11/29/2001

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ACCEPTED

NOV 29 2001

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 66222-30

COTORAN[®] 80WP

HERBICIDE

FOR PREEMERGENCE AND POSTEMERGENCE WEED CONTROL IN COTTON

ACTIVE INGREDIENT	% BY WT.
Fluometuron: 1,1-dimethyl-3-(a,a,a-trifluoro-m-tolyl) urea	80.0%
INERT INGREDIENTS:	20.0%
	TOTAL 100.0%

Cotoran 80 WP is a wettable powder.

KEEP OUT OF REACH OF CHILDREN

WARNING-AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

IF ON SKIN OR CLOTHING:

- 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:

- 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 eye.

IF SWALLOWED:

- Call a poison control center or doctor for treatment advice.
- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.

NOTE TO PHYSICIAN: There is no specific antidote for Cotoran 80WP. Induce emesis or lavage stomach. Give a saline laxative and supportive therapy.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING-AVISO

Harmful if swallowed, inhaled, or absorbed through the skin. May cause skin irritation or skin sensitization on repeated contact. Avoid contact with eyes. Do not get on skin or clothing. Avoid breathing dust or spray mist.

NET CONTENTS: ___ POUND(S)

EPA Reg. No. 66222-30
 EPA Est. No. 11603-IS-01



Makhteshim-Agan of North America, Inc.
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 New York, NY 10176

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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Chemical-resistant apron when cleaning equipment, mixing, or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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 or enclosed cabs 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.

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 over short-sleeved shirt and short pants
- Waterproof gloves
- Chemical-resistant footwear plus socks

CHEMIGATION STATEMENT

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

GENERAL INFORMATION

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

WEED CONTROL

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

ANNUAL GRASS WEEDS

Barnyardgrass <i>Brachiaria</i>	Crabgrass Crowfootgrass	Fall panicum Foxtail	Goosegrass Ryegrass
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ANNUAL BROADLEAF WEEDS

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

Cotoran 80WP at rates up to 2.5 lbs. per acre in cotton is not effective for the control of established perennial weeds, such as johnsongrass from rhizomes.

**APPLICATION PROCEDURES
MIXING INSTRUCTIONS**

Cotoran 80WP is highly concentrated and should be thoroughly mixed as a paste or thick slurry in water in a separate container before adding to the spray tank. The spray tank should contain $\square - \frac{1}{2}$ the total amount of water or nitrogen solution to be used before adding the slurry.

To determine compatibility, add one tablespoon of Cotoran 80WP to one pint of nitrogen solution (equals 2.5 lbs. in 25 gals.; if using other application rates, adjust compatibility test amounts proportionally). Stir or shake thoroughly. Let stand 5 minutes. If it remains mixed or can be remixed readily, the mixture is compatible and can be used. If Cotoran 80WP settles out when mixed with a nitrogen solution, a suspensibility agent such as Compex[®] or equivalent at 1-2 pts. per 100 gals. fertilizer, may improve compatibility. Add $\square - \frac{1}{4}$ teaspoon of Complex to the compatibility test to determine its effectiveness.

Use bypass or mechanical agitation in the spray tank. Avoid leaving spray mixture in tank without constant agitation. If bypass agitation is used, it should terminate at the bottom of the tank to minimize foaming. Wash sprayer thoroughly with clean water immediately after use.

EQUIPMENT

Thoroughly clean sprayer prior to use. Do not use a sprayer contaminated with 2,4-D or other materials as crop damage or sprayer clogging may result.

For uniform distribution use fan-type nozzles. Use 50-mesh or coarser screens in nozzles and strainers. Use a suitable pump with capacity to deliver (1) the necessary volume to the nozzles at 35-40 psi, and (2) an additional volume to maintain the mixture in suspension in the spray tank. Apply in 20-40 gals. of spray mixture per acre.

BAND TREATMENT

For band treatment, calculate the amount of Cotoran 80WP needed by the formula:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast rate per acre} = \text{Amount needed per acre of field}$$

COTTON

Cotoran 80WP 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. For preemergence treatment only, Cotoran 80WP may be tank-mixed with most liquid nitrogen fertilizers. Cotoran 80WP may be combined with other herbicides in cotton as directed in the section **COMBINATIONS**.

Cotoran 80WP is most effective when used as follows:

- 1st Application: Preemergence broadcast. See **PREEMERGENCE TREATMENT** below.
- 2nd Application: Postemergence, directed, semi-directed, or over-the-top when cotton is 3-6 inches high. See **POSTEMERGENCE TREATMENTS** below.
- 3rd Application: If needed, postemergence, directed, or semi-directed, at lay-by (last normal cultivation), using no more than 1.25 lbs. per acre.

PREEMERGENCE TREATMENT

Apply Cotoran 80WP at a rate of 1.25-2.5 lbs. per acre. On light silt and sandy soils low in organic matter, use the lower rate.

Cotoran 80WP may be applied to the surface of the soil or lightly incorporated into the soil after planting cotton.

PREPLANT INCORPORATED USE (ARIZONA AND NEW MEXICO)

Cotoran 80WP may be applied preplant as a broadcast spray at 2 lbs. per acre after the beds for preplant irrigation have been formed. Apply before the beds are dragged off (using a bed shaper set to remove 1-2 inches from beds) in preparation for planting. Furrow 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 furrow irrigation water to pond over the beds.

POSTEMERGENCE TREATMENTS

Cotoran 80WP may be applied postemergence to cotton but preemergence to weeds, or postemergence to both cotton and weeds. Cotoran 80WP should be applied at rates of 1.25-2.5 lbs. per acre. Apply as a directed, semi-directed, or over-the-top spray. Cotoran 80WP may be applied to cotton plants at any stage of growth from 3 inches high to lay-by. Use the higher rate when applying postemergence to weeds; weeds should be 2 inches high or less. Use of a surfactant that is approved by FDA for use on food and feed crops and is compatible with Cotoran 80WP when applied to cotton may enhance the postemergence herbicidal activity of Cotoran 80WP. The surfactant rate should not exceed 0.5% of the carrier volume (1 pt. per 25 gals. of water).

PRECAUTIONS:

1. *Rainfall that is sufficient to germinate seeds or for growing crops is adequate to activate the herbicidal activity of Cotoran 80WP; where dry weather conditions prevail, the herbicidal activity of Cotoran 80WP may be delayed or reduced.*
2. *Do not make more than three applications of Cotoran 80WP to the same crops or field in any one year. Do not plant crops other than cotton or sugarcane within 6 months of the last application of Cotoran 80WP or injury may result.*
3. *The use of Cotoran 80WP as a preemergence or early postemergence application, following the use of a systemic insecticide at planting may result in injury to cotton.*

West Texas only: Do not use Cotoran 80WP on sandy, loamy sand, or fine sandy loam soils. Do not use Cotoran 80WP on cotton planted in furrows.

Arkansas, Louisiana, and Mississippi only: Use 1.0 lb. of Cotoran 80WP per acre on sandy loam soils low in organic matter.

Arizona and New Mexico only: Cotton, corn, and grain sorghum can be planted the next spring. Do not plant treated areas to other crops until one year after last application. Do not use on sandy or coarse-textured soil of less than 1% organic matter.

Note: Do not apply within 60 days of harvest. Do not feed foliage from treated cotton plants or gin trash to livestock.

COMBINATIONS

TREFLAN® EC: Use in a tank mixture with Cotoran 80WP (all areas except Arizona) or before an overlay with Cotoran 80WP in cotton for control of all weeds listed on both labels. For the tank mixture, refer to the Treflan EC label for directions, precautions, and limitations. For the overlay, apply Cotoran 80WP as a preemergence surface treatment as recommended on this label at 1.25-2.5 lbs. per acre after a preplant soil-incorporated treatment of Treflan EC. Apply Treflan EC as recommended on its label at 1-2.5 pts. per acre.

PROWL®: Apply Cotoran 80WP as a preemergence surface treatment as recommended on this label at 1.25-2.5 lbs. per acre after a preplant soil-incorporated treatment of Prowl for control of all weeds listed on both labels. Apply Prowl as recommended on its label at 1-3 pts. per acre.

DSMA OR MSMA: Cotoran 80WP may be tank-mixed with DSMA or MSMA and applied as a directed spray to cotton from three inches high to first bloom. Use the broadcast rate of 1.25-2.5 lbs. Cotoran 80WP per acre and the necessary amount of DSMA or MSMA plus 0.5% (1 pt. per 25 gals.) of a surfactant that is approved by FDA for use on food and feed crops and is compatible with Cotoran 80WP + DSMA or Cotoran 80WP + MSMA when applied to cotton. When using this mixture, do not allow spray to contact cotton foliage. Do not graze treated areas or feed treated forage or gin trash to livestock. Adhere strictly to the dosage and limitations of the labels of the products.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Store in a dry place.

PESTICIDE DISPOSAL: Improper disposal of unused spray mixture or rinse water is a violation of federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

CONTAINER STORAGE: Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. Stay out of smoke from burning bags.

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 INFOTRAC at 1-800-535-5053 day or night.

WARRANTY STATEMENT

MAKHTESHIM-AGAN OF NORTH AMERICA warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. 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 MAKHTESHIM-AGAN OF NORTH AMERICA. In no case shall MAKHTESHIM-AGAN OF NORTH AMERICA be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, MAKHTESHIM-AGAN OF NORTH AMERICA makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at MAKHTESHIM-AGAN OF NORTH AMERICA's election, the replacement of this product.

Cotoran® trademark of Agan Chemical Manufacturers, Ltd. for fluometuron

Cotoran 80WP (66222-30)(EPA app 2-16-95)