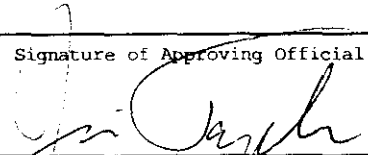
	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number: 1812-438	Date of Issuance: 2-10-2000	
	NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)	Term of Issuance: Conditional		Name of Pesticide Product: Cotoran DF Herbicide
	Name and Address of Registrant (include ZIP Code): Griffin Corporation P.O. Box 1847 Valdosta, GA 31603-1847			
<p>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.</p> <p>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.</p> <p>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.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit data. Make the following label changes listed below before you release the product for shipment: <ol style="list-style-type: none"> Add the phrase, "EPA Reg. No. 1812-438". 				
Signature of Approving Official: 		Date: 2-10-2000		

b. The Agency has recently revised its recommended First Aid statements for pesticide products and intends to issue a PR Notice announcing the changes in the near future. In the interim we are encouraging registrants to begin using the new statements. The new statements were developed as part of the Consumer Labeling Initiative in close cooperation with poison control center personnel and other medical experts. While it is not mandatory that you revise your label at this time, you are strongly encouraged to substitute the revised statements (below) for those statements currently on the label at your next label printing:

FIRST AID

If swallowed:	<ul style="list-style-type: none"> • 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.
If in eyes:	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
If on skin:	<ul style="list-style-type: none"> • 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 inhaled:	<ul style="list-style-type: none"> • 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.

c. The statements "Failure to follow the directions for use...., and/or illegal residues" are not required on pesticide labels. If retained, move the statements to the General Information section.

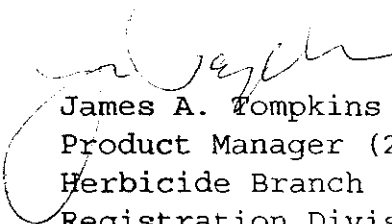
d. On page 6 delete "by FDA". This is misleading since surfactants approved by this Agency can be used on food or feed crops.

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3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.


James A. Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

Enclosure

4/11

ACCEPTED
with COMMENTS
In EPA Letter Dated:
FEB 10 2000

Cotoran® DF

HERBICIDE

WATER-DISPERSIBLE GRANULE
For Preemergence and Postemergence Weed Control in Cotton

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
1412-426

Active Ingredient	
Fluometuron: 1.1-dimethyl-3-(a,a,a-trifluoro-m-tolyl) urea	85.0%
Inert Ingredients	15.0%
Total	100.0%

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 IN EYES: Immediately flush with plenty of water. Get medical attention if irritation occurs.

IF ON SKIN: Wash thoroughly with soap and water. Get medical attention if irritation occurs.

IF SWALLOWED: Drink water and induce vomiting by placing fingers at back of throat. Immediately contact a physician, hospital, or local Poison Control Center.

IF INHALED: Move from the contaminated area.

Note to Physician: If Cotoran DF is ingested, lavage stomach or induce vomiting. A slurry of activated charcoal in water can be left in the stomach. Give a saline laxative and supportive therapy

For medical emergencies involving this product, call toll free 1-888-324-7598.
See Label for Additional Precautions and Directions for Use

Griffin L.L.C.
VALDOSTA, GEORGIA 31601 NET CONTENTS _____

EPA REG. NO. 1812-
EPA EST. NO.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING – AVISO**

Causes eye irritation. Do not get in eyes. Harmful if swallowed, inhaled, or absorbed through the skin. This product may cause skin rash after repeated exposure. Avoid contact with skin or clothing. Avoid breathing dust or spray mist.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

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.

ENVIRONMENTAL HAZARDS

This chemical is known to leach through soil into ground water under certain conditions, as a result of registered uses. Uses 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, 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.

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR WEED CONTROL, AND/OR ILLEGAL RESIDUES.

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
- Shoes plus socks
- Protective eyewear

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes may be toxic. Improper disposal of unused pesticide, 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.

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. Stay out of smoke from burning jugs.

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.

GENERAL INFORMATION

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

Weed Control

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

Annual Grass Weeds

- | | |
|---------------|--------------------------|
| Barnyardgrass | Foxtail |
| Crabgrass | Goosegrass |
| Crowfootgrass | Ryegrass |
| Fall Panicum | Signalgrass (Brachiaria) |

Annual Broadleaf Weeds

- | | |
|-----------------------|------------------------------|
| Spurred Anoda | Prickly Sida (teaweed) |
| Cocklebur | Purslane |
| Florida Pusley | Ragweed |
| Groundcherry (Wright) | Sesbania |
| Jimsonweed | Sicklepod |
| Lambsquarters | Smartweed |
| Morningglory | Russian Thistle (tumbleweed) |
| Pigweed | |

Cotoran DF at rates up to 2.4 pounds per acre in cotton is not effective for the control of established perennial weeds, such as johnsongrass, from rhizomes.

APPLICATION PROCEDURES

Mixing Instructions

(1) Fill spray tank 1/4 full with clean water or nitrogen solution. (2) Start agitation. (3) Pour Cotoran DF directly from the container into the partially filled spray tank. (4) If Cotoran DF is to be tank-mixed with another herbicide, add that product after the Cotoran DF is thoroughly mixed in the partially filled spray tank. (5) Add the rest of the water or nitrogen solution. (6) Provide agitation during mixing and application to maintain a uniform suspension.

To determine compatibility, add 3 teaspoons of Cotoran DF to 1 pint of nitrogen solution (equals 2.4 pounds in 25 gallons; 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 DF settles out when mixed with a nitrogen solution, a suspensibility agent, such as Compex®, Unite®, or equivalent at 1 to 3 pints per 100 gallons of fertilizer, may improve compatibility. Add 1/8, to 3/8 teaspoon of Unite to the compatibility test to determine its effectiveness.

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.

Use properly calibrated conventional spray equipment that will apply spray uniformly and has hydraulic or mechanical agitation, except in Arizona where only mechanical agitators are recommended. Screens in nozzles, in suction, and in-line strainers should be no finer than 50-mesh. Use a pump with capacity to maintain 35-40 psi at the nozzles. If hydraulic agitation is used, the pump should also provide sufficient agitation in the tank to keep the mixture in suspension. 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.

Apply in a minimum of 10 gallons per acre for preplant incorporated or preemergence applications, or apply in a minimum of 20 gallons per acre for postemergence application.

Band Treatment

For band treatment, calculate the amount of Cotoran DF 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 DF 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 DF may be tank-mixed with most liquid nitrogen fertilizers. Cotoran DF may be combined with other herbicides in cotton as directed in the **Combinations** section.

Cotoran DF is most effective when used as follows:

- 1st Application:** Preemergence broadcast. See the **Preemergence Treatment** section.
- 2nd Application:** Postemergence, directed, semi-directed, or over-the-top when cotton is 3 to 6 inches high. See the **Postemergence Treatments** section.
- 3rd Application:** If needed, postemergence, directed, or semi-directed, at lay-by (last normal cultivation), using no more than 1.2 pounds per acre.

Preemergence Treatment

Apply Cotoran DF at a rate of 1.2 to 2.4 pounds per acre. On light silt and sandy soils, low in organic matter, use the lower rate.

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

Preplant Incorporated Use (AZ and NM)

Cotoran DF may be applied preplant as a broadcast spray at 1.9 pounds 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 to 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 DF may be applied postemergence to cotton, but preemergence to weeds, or postemergence to both cotton and weeds. Cotoran DF should be applied at rates of 1.2 to 2.4 pounds per acre. Apply as a directed, semi-directed, or over-the-top spray. Cotoran DF 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 DF when applied to cotton, may enhance the postemergence herbicidal activity of Cotoran DF. The surfactant rate should not exceed 0.5% of the carrier volume (1 pint per 25 gallons of water).

Precautions: Rainfall that is sufficient to germinate seeds or for growing crops is adequate to activate the herbicidal activity of Cotoran DF; where dry weather conditions prevail, the herbicidal activity of Cotoran DF may be delayed or reduced. Cultivate if weeds develop.

Do not make more than three applications of Cotoran DF to the same crops or field in any 1 year. Do not plant crops other than cotton or sugarcane within 6 months of the last application of Cotoran DF, or injury may result.

The use of Cotoran (any application method) in conjunction with a systemic insecticide at planting may result in injury to cotton. In addition, Cotoran applied to cotton with any application of Command® (clomazone) herbicide may result in crop injury. Griffin will not be held responsible for losses or damage resulting from such uses.

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

AR, LA, and MS only: Use 1.0 pounds of Cotoran DF per acre on sandy loam soils low in organic matter.

AZ and NM only: Cotton, corn, and grain sorghum can be planted the next spring. Do not plant treated areas to other crops until 1 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

Dual® 8E: Use in a tank mixture with Cotoran DF preemergence in cotton for control of all weeds as listed on both labels. This combination will also control spotted spurge, hyssop spurge, nodding

spurge, and prostrate spurge. Apply to the soil surface at planting or after planting, but before weeds or crop emerge, using the appropriate rates from the following table.

Note: If incompatibility occurs, add X-77® at 0.5% volume/volume spray (4 pints per 100 gallons) to help overcome this condition.

Cotoran DF + Dual 8E - Cotton
(AR, LA, MS, Eastern OK, TN, Bootheel of MO,
Gulf Coast, Rio Grande Valley, and Eastern TX)

Soil Texture	Broadcast Rates Per Acre	
	Cotoran DF	Dual 8E
Sand, Loamy sand	DO NOT USE	
Sandy loam*	1.2 lbs.	1.25-1.5 pts.
Loam, Silt loam, Silt	1.2-1.9 lbs.	1.5-2 pts.
Sandy clay loam, Silty clay loam, Clay loam, Sandy clay, Silty clay, Clay	1.9-2.4 lbs.	2 pts.

*Use on sandy loam soils only in eastern OK, Gulf Coast, Rio Grande Valley, and eastern TX.

Precautions: (1) Do not apply Cotoran DF + Dual 8E on sand or loamy sand soils or in areas where water is likely to "pond" over the bed, or crop injury may occur. (2) Do not apply broadcast to furrow-planted cotton. (3) The use of Cotoran (any application method) in conjunction with a systemic insecticide at planting may result in injury to cotton. In addition, Cotoran applied to cotton with any application of Command (clomazone) herbicide may result in crop injury. Griffin will not be held responsible for losses or damage resulting from such uses. (4) Do not use on Taloka silt loam, or crop injury may occur.

Refer to the Dual 8E label for further instructions, precautions, and limitations.

Note: Do not feed treated forage or gin trash to livestock, or graze treated areas.

Rotational Crops: Refer to the crop rotation instructions for Cotoran DF alone on this label and for Dual 8E alone on the Dual 8E label.

Trilin®: Apply Cotoran DF as a preplant incorporated or preemergence soil surface treatment as recommended on this label after a preplant soil incorporated treatment of Trilin. Refer to the Trilin label for directions, precautions, and limitations for use of that product, as well as the directions, precautions, and limitations on this Cotoran DF label.

Prowl®: Apply Cotoran DF as a preplant incorporated or preemergence soil surface treatment as recommended on this Cotoran DF label after a preplant soil-incorporated treatment of Prowl. Refer to the Prowl label for directions, precautions, and limitations for use of that product.

Zorial Rapid 80®: Apply Cotoran DF according to directions on this Cotoran DF label as a preemergence soil surface treatment following a preplant incorporated application of Zorial Rapid 80 or tank mix with Zorial Rapid 80 and apply as a preemergence treatment. Refer to the Zorial Rapid 80 label for directions for use, precautions, and limitations for use of that product.

DSMA or MSMA: Cotoran DF may be tank-mixed with DSMA or MSMA and applied as a directed spray to cotton from 3 inches high to first bloom. Use the broadcast rate of 1.2 to 2.4 pounds of Cotoran DF per acre and the necessary amount of DSMA or MSMA plus 0.5% (1 pint per 25 gallons) of a surfactant that is approved by FDA for use on food and feed crops and is compatible with Cotoran DF + DSMA or Cotoran DF + 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 on the labels of the products.

WARRANTY STATEMENT

GRIFFIN 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 GRIFFIN. In no case shall GRIFFIN 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. 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 not exceed the purchase price paid for this product or at GRIFFIN'S election, the replacement of this product. GRIFFIN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

Command trademark of FMC Corporation
 Compex trademark of KALO Agricultural Chemicals, Inc.
 Cotoran trademark Makhteshin Agan North America
 Dual, and Zorial Rapid 80 trademarks of Novartis
 Griffin and Design are a registered trademark of Griffin Corporation.
 Prowl trademark of American Cyanamid Company
 Trilin is a registered trademark of Griffin Corporation.
 Unite trademark of HACO, Inc.
 X-77 trademark of Loveland Industries, Inc.