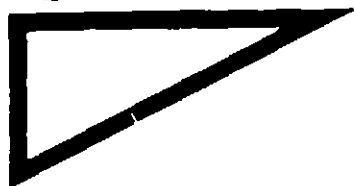


Reg # 1812-323

PM-25

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**Griffin****ACCEPTED**

OCT 26 1992

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 1812-323

# Meturon® 80DF

HERBICIDE

MADE IN THE U.S.A.

**DRY FLOWABLE**  
in Water Soluble Pack

FOR PREEMERGENCE AND POSTEMERGENCE WEED CONTROL IN COTTON

**ACTIVE INGREDIENT:**

Fluometuron 1,1-dimethyl-3-(a,a,a-trifluoro-m-tolyl)urea..... 80%

**INERT INGREDIENTS:** ..... 20%**TOTAL** ..... 100%**KEEP OUT OF REACH OF CHILDREN****CAUTION****STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 to 2 glasses of water, milk, egg whites or gelatin solution, and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Call physician immediately.

**NOTE TO PHYSICIAN:** There is no specific antidote for fluometuron. Induce emesis and lavage stomach. Give saline laxative and supportive therapy.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF IN EYES:** Flush with plenty of water. Get medical attention if irritation persists.

**GRIFFIN CORPORATION**  
VALDOSTA, GEORGIA 31601

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EPA REG NO 1812-323

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## RECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Causes eye irritation. Harmful if swallowed, absorbed through the skin, or inhaled. Avoid contact with skin, eyes or clothing. Wear protective clothing. Wash thoroughly with soap and water after handling.

### ENVIRONMENTAL HAZARDS

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 apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its label. Do not apply this product in a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not apply this product through any type of irrigation system.

### RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry 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.

### STORAGE AND DISPOSAL

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage and disposal. Do not contaminate water when disposing of equipment wash waters. 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 outer bag into application equipment. Then dispose of empty bag 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

Meturon 80 DF effectively controls selected annual grass and annual broadleaf weeds with no injury to cotton when used in accordance with label directions. Meturon 80 DF will provide effective control of the following weeds:

#### ANNUAL GRASSES

Barnyardgrass	Crowfootgrass	Goosegrass	Brachiaria	Fall Panicum	Ryegrass	Crabgrass	Foxtail
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#### BROADLEAF WEEDS

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

Meturon 80 DF is not effective for control of perennial weeds.

### APPLICATION INSTRUCTIONS

#### MIXING

Add two-thirds of the required amount of water to the spray tank. When tank-mixing with other products, Meturon 80 DF should be the first product added to the spray tank. With the agitation on, drop the required number of unopened water soluble packs into the tank. Allow at least five minutes for the water soluble pack to dissolve and the product to disperse completely before adding other ingredients. Continue agitating while adding other product in the following order.

- 1) dry flowables,
- 2) wettable powders,
- 3) liquid flowables,
- 4) emulsifiable concentrates,
- 5) surfactants or compatibility agents.

Add remainder of water after addition of products is complete.

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When tank mixing with other products, check for compatibility using the following procedure. Fill a clean, wide-mouth jar with the intended water or fertilizer solution. Open the water soluble pack and add three tablespoons of product to the pint jar. Shake well, then add the other intended ingredients in the order given above, shaking well after each addition. The final mixture should be uniform and smooth with no evidence of coagulation. If incompatibility is evident, begin test again with a compatibility agent added first. Six drops is equivalent to four ounces/100 gallons. If this does not smooth the mixture, try higher concentration or other compatibility agents. Dilution of the products with equal parts of water before adding to the spray tank may improve the mixture.

On cotton where a nitrogen solution may be used as a carrier, Meturon 80 DF must be thoroughly slurried in water before adding to nitrogen solution. Use a minimum of 2.5 gallons of water to slurry a 5 lb pack. Before tank-mixing with nitrogen solution, check for compatibility by using the following procedure. Open the water soluble pack and disperse Meturon 80 DF into water at a ratio of one tablespoon of Meturon 80 DF to four tablespoons of water. Add two tablespoons of resulting slurry to 1 pint of the nitrogen solution, agitate and allow to stand undisturbed for five minutes. The products are compatible when no lumping, curdling or gelation exist, and when any separation can be readily refixed. If Meturon 80 DF should settle out when mixed with the nitrogen solution, a compatibility agent may be used to improve suspensibility, as noted above.

To maintain a uniform spray mixture, use bypass or mechanical agitation in the test tank. To reduce foaming, bypass agitation should end in the bottom of the tank. The spray mixture should never be left in the tank without constant agitation. Spray equipment must always be thoroughly cleaned before applying Meturon 80 DF as residues of other pesticides can alter the results from Meturon 80 DF even to the point of causing serious crop injury.

# EQUIPMENT

Uniform distribution is essential for most effective weed control, fan type nozzles are generally most effective for herbicide application. Uniform distribution may also be influenced by spray pressure and volume, for ground application use no less than 10 gpa for preplant incorporated and pre-emergence treatment; and 20 gpa for postemergence.

For banded applications use rates of Meturon 80 DF and carrier proportional to broadcast. Dividing row width by band width and multiplying by the rate per acre broadcast will give the amount of Meturon 80 DF needed on the band.

$$\frac{\text{band width (in.)}}{\text{row width (in.)}} \times \text{rate/acre broadcast} = \text{Meturon 80 DF rate of band}$$

# AERIAL APPLICATION

Apply Meturon 80 DF in a minimum of 5 gallons of water per acre. Avoid applications under conditions where uniform coverage cannot be obtained or where extensive spray drift may occur. Avoid applications directly to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin and wash thoroughly before eating and at the end of each days operations.

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Crop	Type	Timing / Method	Rate / Acre	Height	Use Instructions
Cotton					Meturon 80 DF provides effective weed control when applied preemergence or postemergence to cotton and weeds. In some areas, a very light incorporation immediately following application to the soil may improve weed control. Postemergence Meturon 80 DF may be applied as directed, semi-directed or over-the-top spray to cotton. Tank mixture with most liquid nitrogen solutions can be done with preemergence application only. To be most effective apply Meturon 80 DF in a program using preemergence, early postemergence (cotton 3 to 6 inches tall), and late postemergence (lay-by) applications. Cotton may be planted in soil previously treated with Meturon 80 DF. Meturon 80 DF may be applied either preplant or pre-emergence, but not both.
		Pre-plant	1.25 to 2.5 pounds (4-2 Acres/Pack)		On light soil and sandy soils, low in organic matter, use the lower rate. Apply Meturon 80 DF to the surface of the soil. If tank mixed, follow precautions and label recommendations for use rates of product to be tank mixed.
		Pre-plant Incorporation (Arizona & New Mexico Only)	2 pounds (2.5 Acres/Pack)		After beds are prepared for pre-plant irrigation, apply Meturon 80 DF broadcast. Application should follow furrow irrigation with planting as soon as possible after irrigation. Treatment must be made before beds are dragged off for planting. A bed shaper should be used to remove 1 to 2 inches from the beds after treatment. Irrigation water should not be allowed to puddle or pond over beds.
		Preemergence Treatment	1.25 to 2.5 pounds (4-2 Acres/Pack)		On light silt and sandy soils, low in organic matter, use the lower rate. Meturon 80 DF may be applied to the surface of the soil, or lightly incorporated into the soil, after planting cotton.
		Postemergence Treatment	1.25 to 2.5 pounds (4-2 Acres/Pack)	3 inches to lay-by	Meturon 80 DF may be applied postemergence to cotton and pre- or postemergence to weeds. Application can be directed, semi-directed or topical to cotton. The higher rate should be used when weeds have emerged. The use of a surfactant at a rate not to exceed 0.5% of spray volume or 1 pint per 25 gallons of water may increase activity on weeds.
			1.25 to 2.5 pounds		Trilin® or other trifluralins Meturon 80 DF may be applied preemergence following a preplant incorporated application of Trilin or other trifluralins. Follow label recommendations for use rates of Trilin or other trifluralins and precautions.

1.25 to 2.5 pounds

Prowl®  
Meturon 80 DF may be applied preemergence following a preplant incorporated application of Prowl. Follow label recommendations for use rates of Prowl and precautions.

1.25 to 2.5 pounds

Zorial® Rapid 80  
Meturon 80 DF may be applied preemergence following a preplant incorporated application of Zorial Rapid 80 or preemergence in combination with Zorial Rapid 80. Follow label recommendations for use rates of Zorial Rapid 80 and precautions.

1.25 to 2.5 pounds

DSMA / MSMA  
Meturon 80 DF may be tank mixed with DSMA or MSMA and applied as a postemergence directed spray to cotton. Follow label recommendation for use rates of DSMA or MSMA and precautions. Addition of a surfactant at 0.5% of spray volume (1 pint per 25 gallons) will enhance performance. This mixture should be applied in such a manner as to avoid contact of cotton foliage to avoid injury. Do not graze treated areas or feed treated forage or gin trash to livestock.

(4-2 Acres/Pack)

#### PRECAUTIONS

The use of this product on light silt and sandy soils low in organic matter may result in serious crop injury or stand loss. Hillsides or slightly eroded areas are particularly subject to this injury.

The herbicidal activity of Meturon 80 DF may be lessened under dry conditions; however, rainfall sufficient to germinate seeds and grow the crop will usually activate Meturon 80 DF.  
Interaction between Meturon 80 DF when applied preemergence or early postemergence and preemergence applications of systemic insecticides may result in crop injury.

Meturon 80 DF should not be applied more than three times to the same crop or field in a year. Do not plant crops other than cotton within six months of the last Meturon 80 DF application as injury may result.

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Crop	Type	Timing / Method	Rate / Acre	Height	Use Instructions
Cotton		PRECAUTIONS			<p>ARIZONA, CALIFORNIA and NEW MEXICO: With the exception of cotton, corn and grain sorghum which may be planted the next spring, do not plant other crops to Meturon 80 DF treated areas for one year. Meturon 80 DF is not to be used on coarse-textured soil of less than 1% organic matter.</p> <p>ARKANSAS, LOUISIANA AND MISSISSIPPI: Apply Meturon 80 DF at one pound on sandy loam soil low in organic matter.</p> <p>WEST TEXAS: Meturon 80 DF is not to be used on sandy, loamy sand or fine sandy loam soils nor on cotton planted in furrows.</p>

### 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. Griffin makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

Meturon® is a registered trademark of Griffin Corporation.

Prowl® is a registered trademark of American Cyanamid.

Trilin® is a registered trademark of Griffin Corporation.

Zonal® is a registered trademark of Sandoz.

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