

Griffin

10125
1812-323

ACCEPTED
12 1992
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 1812-323

METURON[®]
80DF



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DRY FLOWABLE

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

EPA Reg. No. 1812-323

NET CONTENTS 5 Lbs.

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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. 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.

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate if allowed by state and local authorities. If burned, stay out of smoke.

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.

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 GRASS WEEDS							
Barnyardgrass	Crowfootgrass	Goosegrass	Bracharia	Fall Panicum	Ryegrass	Crabgrass	Foxtail
ANNUAL BROADLEAF WEEDS							
Butterweed	Sesbania	Lambsquarters	Tumbleweed	Momingglory			
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

METURON 80 DF readily mixes with water. To assure thorough mixing the spray tank should be 1/3 to 1/2 full of water before adding METURON 80 DF. If other products are tank mixed, add in the following order:

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

Should poor mixing occur with any product, dilute the product equal parts of water before adding to the spray tank. In cotton where a nitrogen solution may be used as a carrier, METURON 80 DF must be thoroughly stirred in water before adding to nitrogen solution.

Before mixing METURON 80 DF with nitrogen solution check for compatibility. Thoroughly mix METURON 80 DF with 2 tablespoons of water. Then mix the slurry with the nitrogen solution 1 tablespoon of METURON 80 DF per pint of nitrogen solution equals 2.5 pounds in 25 gallons (adjust accordingly for other rates) and allow to stand for 5 minutes. The products are compatible when no lumping, curdling or gelation exist, and when any separation can be readily remixed. If METURON 80 DF should settle out when mixed with the nitrogen solution, a compatibility agent may be used to improve suspensibility. Adding the compatibility agent at its recommended rate, usually 1 to 2 pints per 100 gallons (1/8 to 1/4 teaspoon per pint for test), may improve mixture with nitrogen solution.

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

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 preemergence 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 80DF in a minimum of 5 gallons of water per acre. Avoid applications under conditions where uniform coverage cannot be obtained or where excessive 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 day's operation.

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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.
		Pre-plant Incorporation (Arizona & New Mexico Only)	2 pounds		PRECAUTION: 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.
		Preemergence Treatment	1.25 to 2.5 pounds		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.
		Postemergence Treatment	1.25 to 2.5 pounds	3 inches to lay-by	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.
Combinations and Overlays (Cotton)	Trilin™ or other trifluralins		1.25 to 2.5 pounds		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.
	Prowl		1.25 to 2.5 pounds		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.
	Zonal® Rapid 80		1.25 to 2.5 pounds		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		METURON 80 DF may be applied preemergence following a preplant incorporated application of Zonal Rapid 80 or preemergence in combination with Zonal Rapid 80. Follow label recommendations for use rates of Zonal Rapid 80 and precautions.
	DSMA / MSMA		1.25 to 2.5 pounds	3 inches to bloom	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.
		Mixing Instructions			When tank mixing, products should be added to the spray tank in the following order: First fill tank 1/2 to 2/3 full of water. Second, add wettable powders, water dispersible granules and dry flowables. Wettable powders may need to be premixes (skimed) in a small amount of water. Third, add liquid flowables to tank. Then emulsifiable concentrates may be added. Last, add surfactants. Agitate vigorously during the mixing and thereafter.
		Precautions			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. 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. ARKANSAS, LOUISIANA and MISSISSIPPI (only): Apply METURON 80 DF at one pound on sandy loam soil low in organic matter. WEST TEXAS (only): METURON 80 DF is not to be used on sandy, loamy sand or fine sandy loam soils nor on cotton planted in furrows.

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WARRANTY STATEMENT

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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.

Trilin™ trademark of Griffin Corporation for trifluralin.

Prowl® trademark of American Cyanamid for pendimethalin.

Zonal® Rapid 80 trademark of Sandoz for norflurazon.

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CPC 000002

