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Ms. Carol Eakins
Griffin Corporation
P.O. Box 1847
Valdosta, GA 31603

Dear Ms. Eakins:

Subject: Final Printed Labeling
METUKON® 4L
EPA Reg. No. 1812-285
Your submission dated May 6, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

Robert J. Taylor
Product Manager 25
Fungicide-herbicide Branch
Registration Division (H7505C)

Enclosure

RD:RTaylor:eja:5/21/92:3056800

Meturon

HERBICIDE

FLOWABLE FLUOMETURON

FOR PREEMERGENCE AND POSTEMERGENCE WEED CONTROL IN COTTON

ACTIVE INGREDIENT:

Fluometuron [1,1-dimethyl-3-(a,a,a-trifluoro-m-tolyl)urea]

INERT INGREDIENTS

TOTAL

Product contains 4 pounds Fluometuron per gallon.

KEEP OUT OF REACH OF CHILDREN WARNING

STATEMENT OF PRACTICAL TREATMENT:

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

NOTE TO PHYSICIAN: There is no specific antidote for fluometuron. Induce emesis and lavage 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 medical attention.

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

GRIFFIN CORPORATION

VALDOSTA, GEORGIA 31601

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

Causes eye irritation. Harmful if swallowed, absorbed through the skin, or inhaled. Avoid contact with skin, eyes or clothing. Wear protective clothing, as this product may cause skin rash after repeated exposure. Wash thoroughly with soap and water after handling. 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 enter treated area without protective clothing until sprays have dried.

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 labeling. 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 crops 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 about to be treated with this product.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. 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 conditioning, or puncture and dispose of in a sanitary landfill, or incinerate if allowed by state and local authorities. If burned, stay out of smoke.

GENERAL INFORMATION

Meturon 4L is effective for both annual grass and annual broadleaf weed control in cotton. Meturon 4L applied according to directions will selectively control annual weeds in cotton, such as:

ANNUAL GRASSES

Barnyardgrass	Crabgrass	Fall Panicum	Goosegrass
Brachiaria	Crowfootgrass	Fall Panicum	Ryegrass

BROAD LEAF WEEDS

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

Meturon 4L at rates up to 2 quarts per acre is not effective for the control of established perennial weeds, such as johnsongrass from rhizomes.

APPLICATION PROCEDURES

COMPATIBILITY

To determine compatibility, add one tablespoon of Meturon 4L to one pint of nitrogen solution (equals approximately 2 quarts in 2.0 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 Meturon 4L agglomerates out when mixed with nitrogen solution, a suspensibility agent may improve compatibility. Add suspensibility agent to the compatibility test to determine its effectiveness.

EQUIPMENT

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. Thoroughly clean spray nozzles 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 to 40 psi, and (2) an additional volume to maintain the mixture in suspension in the spray tank. Apply in 20 to 40 gallons of spray mixture per acre.

AERIAL APPLICATION

Apply Meturon 4L in a maximum 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.

BAND TREATMENT

For band treatments, calculate the amount of Meturon 4L needed by the formula:

band width in inches	X	broadcast rate per acre	amount needed per acre of field
row width in inches			

Crop	Type	Timing / Method	Rate / Acre	Height	Use Instructions
Cotton					Meturon 4L may be applied as a preemergence treatment to the surface of the soil, or lightly incorporated, immediately after planting. Postemergence Meturon 4L 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 4L in a program using preemergence, post-emergence directed, semi-directed, or over-the-top (cotton 3 to 6 inches tall), and postemergence, directed, or semi-directed at lay-by (last normal cultivation) using no more than 1 quart per acre
		Pre-plant Incorporation (Arizona & New Mexico Only)	1.6 quarts		After beds are prepared for pre-plant irrigation, apply Meturon 4L 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. Plant into untreated soil after drag-off and return treated soil to the beds when furrows are re-formed. Do not allow furrow irrigation water to pond over the beds
		Preemergence Treatment	1 - 2 quarts		On light silt and sandy soils, low in organic matter, use the lower rate. Meturon 4L may be applied to the surface of the soil, or lightly incorporated into the soil, after planting cotton.
		Postemergence Treatment	1 - 2 quarts	3 inches to lay-by	Meturon 4L may be applied postemergence to cotton but preemergence to weeds, or postemergence to both cotton and weeds. Application can be directed, semi-directed or over-the-top to cotton. The higher rate should be used when weeds have emerged. Weeds should be 2 inches high or less. The use of a surfactant that is approved by FDA for use on food and feed crops and is compatible with Meturon 4L when applied to cotton at a rate not to exceed 0.5% of spray volume or 1 pint per 25 gallons of water may increase activity on weeds
	Trilin* or other trifluralins		1 - 2 quarts		Meturon 4L 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
	Prowl*		1 - 2 quarts		Meturon 4L may be applied preemergence following a preplant incorporated application of Prowl. Follow label recommendations for use rates of Prowl and precautions
	DSMA / MSMA		1 - 2 quarts	3 inches to bloom	Meturon 4L may be tank mixed with DSMA or MSMA plus addition of a surfactant at 0.5% of spray volume (1 pint per 25 gallons) that is approved by FDA for use on food and feed crops and is compatible with Meturon 4L + DSMA/MSMA and applied as a postemergence directed spray to cotton. 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. Adhere strictly to the dosage and limitations on the labels of the products

PRECAUTIONS

The herbicidal activity of Meturon 4L may be lessened under dry conditions, however, rainfall sufficient to germinate seeds and grow the crop will usually activate Meturon 4L.

The use of Meturon 4L as a preemergence or early postemergence applications following the use of systemic insecticides may result in injury to cotton

Meturon 4L 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 4L application as injury may result

ARIZONA, 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 4L treated areas for one year after last application. Meturon 4L is not to be used on sandy or coarse-textured soil of less than 1% organic matter. Do not apply within 90 days of harvest. Do not feed foliage from treated cotton plants or gin trash to livestock

ARKANSAS, LOUISIANA, AND MISSISSIPPI Apply Meturon 4L at 0.8 quarts on sandy loam soil low in organic matter

WEST TEXAS Meturon 4L is not to be used on sandy, loamy sand or fine sandy loam soils nor on cotton planted in furrows



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

GCN 0414-7
CPC 0242c6

