

Milogard® 4L

Herbicide

For weed control in sorghum (milo) and sweet sorghum

Milogard 4L contains 4 lbs. active ingredient per gal.

Active Ingredient:
Propazine: 2-chloro-4,6-bis (isopropylamino)-s-triazine 43%

Inert Ingredients: 57%
Total: 100%

Caution:

Keep out of reach of children.

Harmful if swallowed. Prolonged or repeated inhalation of mist or contact with skin may be harmful.

Do not contaminate domestic or irrigation water supplies, lakes, streams, or ponds.

Do not reuse container. Destroy when empty.

Milogard® trademark of CIBA-GEIGY for propazine. U.S. Patent No. 2,891,855

EPA Reg. No. 100-584

Agricultural Division
CIBA-GEIGY Corporation
Greenville, North Carolina 27407

GGA10L1D

CIBA-GEIGY

Gallons

U.S. Standard Measure

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.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, 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 CIBA-GEIGY or the Seller. All such risks shall be assumed by the Buyer.

CIBA-GEIGY warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. CIBA-GEIGY makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall CIBA-GEIGY or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. CIBA-GEIGY and the Seller offer this product and the Buyer and Seller accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of CIBA-GEIGY.

General Information

Milogard 4L is a selective herbicide that may be applied before planting or after planting before sorghum or weeds emerge. Milogard 4L controls annual morningglory, carpetweed, lambsquarters, pigweed, ragweed, foxtail, smartweed, and velvetleaf.

Since Milogard enters the weeds mainly through their roots, incorporation or moisture is needed to move it into the weed root zone. Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control. Use for weed control in greenhouses.

ACCEPTED

Oct 6, 1964

100-584

Mixing Instructions
Mix this product with water, nitrogen solutions, or complete liquid fertilizers and apply as a spray. Pour this product into the tank during or after filling. Hydraulic (jet) or mechanical agitation is recommended during mixing and application to keep the material in suspension. All return lines to the tank must discharge below liquid level and agitation should not be so violent as to cause air bubbles to form in the liquid. Wash thoroughly after use.
Compatibility
When mixing with fertilizer or nitrogen solution in approximate equal parts, the mixture should be mixed in spray tank. Stir or shake thoroughly and stand 5 minutes. If it remains mixed or can be remixed readily, the mixture is compatible and can be used.

Ground Application
For the most uniform distribution of broadcast applications use flat fan type nozzles. For band applications, use flat fan even spray nozzles. Screens and strainers should be no finer than 30 mesh. Use a pump with capacity to (1) provide sufficient hydraulic agitation during mixing and application to keep the material in suspension and (2) maintain 30-40 psi operating pressure. Use a minimum of 10 gals. of water per acre. For band treatments, use a proportional volume.

For band applications, calculate the amount to be applied per acre as follows:

$$\frac{\text{band width in inches}}{\text{row width in inches}} \times \frac{\text{broadcast rate per acre}}{\text{rate per acre}} = \text{amount needed per acre}$$

Aerial Application
Apply in a minimum of 5 gals. of water per acre. Do not apply where uniform coverage cannot be obtained or where excessive spray drift may occur. Avoid application directly to humans or animals. Flagmen or loaders should avoid inhalation of spray mist or contact with skin and should wash thoroughly before eating and at the end of each day's operation.

Directions for Use

For preplant and preemergence applications, nitrogen solutions or complete liquid fertilizers may replace all or part of the water as a carrier with this product. See mixing instructions, under General Information.

Preplant (Kansas, Nebraska, eastern Colorado, and South Dakota)

Apply in the spring after plowing. If sorghum is planted on a flat soil surface, apply during or after final seedbed preparation. If sorghum is planted on beds, apply only after bed formation. Best weed control results are obtained when this product is applied within 2 weeks before planting. Shallow incorporation, not more than 2 inches deep, following application will generally result in better weed control, particularly under dry or minimum moisture conditions.

Broadleaf and grass weed control

Soil texture	Broadcast* rate per acre
Sand, loamy sand	DO NOT USE
Sandy loam, loam	4 pts.
Silt loam, clay loam	4.8 pts.
Heavy clay or high organic matter soil	DO NOT USE

*See the General Information section to calculate amount per acre for band treatment

Preplant (Oklahoma, New Mexico, Texas, the Gulf Coast states, Arkansas, and Georgia)

Apply this product in the spring after plowing. If sorghum is planted on a flat soil surface, apply during or after seedbed preparation. If sorghum is planted on beds, apply only after bed formation. Best weed control results are obtained when this product is applied within 4 weeks before planting. Shallow incorporation, not more than 2 inches deep, following application will generally result in better weed control, particularly under dry or minimum moisture conditions. Do not incorporate preplant applications on sandy loam soils in the states listed in this section.

Soil texture	Broadleaf weed control	Broadleaf and grass weed control
	Broadcast* rate per acre	Broadcast* rate per acre
Sand, loamy sand	DO NOT USE	DO NOT USE
Sandy loam, loam	2.4 pts.	4 pts.**
Silt loam, clay loam	2.4 pts.	4.8 pts.
Heavy clay or high organic matter soil in the Gulf Coast states, Arkansas, and Georgia	2.4 pts.	6.4 pts.

*See the General Information section to calculate amount per acre for band treatment

**To avoid crop injury, use only 2.4 pts. per acre on sandy loam in Oklahoma, New Mexico, and Texas (except Texas Gulf Coast). Controls broadleaf weeds only.

Preemergence

Apply the amount shown in the following table at planting time or immediately after planting before weeds and sorghum emerge.

Soil texture	Broadleaf weed control (Oklahoma, New Mexico, Texas and desert regions of Arizona and California only)	Broadleaf and grass weed control (all areas except as noted)
	Broadcast* rate per acre	Broadcast* rate per acre
Sand, loamy sand	DO NOT USE	DO NOT USE
Sandy loam, loam	2.4 pts.	4 pts.**
Silt loam, clay loam	2.4 pts.	4.8 pts.
Heavy clay or high organic matter soil in the Gulf Coast states, Arkansas, and Georgia	2.4 pts.	6.4 pts.

See the General Information section to calculate amount per acre for band treatment

*To avoid crop injury, use only 2.4 pts. per acre on sandy loam in Oklahoma, New Mexico, and Texas (except Texas Gulf Coast). Controls broadleaf weeds only.

Precaution (both preplant and preemergence): Crop damage may result from applications on highly alkaline soil, or on eroded areas.

Rotational Crops: Do not rotate to any crop other than sorghum except: 1) In Arkansas, Louisiana, the Texas Gulf Coast, Texas Blacklands, and the Southeast, cotton, soybeans, or corn may be planted 12 months after treatment. Do not plant other crops for 18 months after treatment. 2) In Oklahoma, New Mexico, and

West Texas, cotton or corn may be planted 12 months after a broadcast application of 2.4 pts. or after a 10-20 inch band application which was proportional to a broadcast rate of 4 pts. or less. If a higher rate per acre was used in these areas, only corn may be planted 12 months after treatment. Do not plant other crops for 18 months after treatment. 3) In all other sorghum growing regions, corn may be planted 12 months after treatment. Do not plant other crops for 18 months after treatment. 4) If replanting is necessary, sorghum may be replanted in soil treated with this product. Do not make a second application as injury may occur.

Milgard® trademark of CIBA-GEIGY for propazine

U.S. Patent No. 2,891,855.

Combinations with DSMA or MSMA

Cotoran 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 to 2.5 pounds of Cotoran and the necessary amount of DSMA or MSMA in 25 to 40 gallons of water per acre, plus 0.5%

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.

Precaution: Rainfall that is sufficient to germinate seeds or for growing crops is adequate to activate the herbicidal activity of Cotoran; where dry weather conditions prevail, the herbicidal activity of Cotoran may be delayed or reduced. When Cotoran is applied to cotton, do not replant treated fields within the same year to crops other than cotton.

Do not make more than three applications of Cotoran to the same

(1 pint per 25 gallons) of a surfactant that is approved by EPA for use on food and feed crops and is compatible with Cotoran 80WP + or Cotoran 80WP + MSMA when applied to cotton.

Mississippi only: Use 1.0 pound of Cotoran 80 WP per acre on sandy loam soils low in organic matter.

Arizona, California, 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.

Sugarcane

Cotoran 80 WP may be applied as a preemergence application to sugarcane at any time after planting, and a second application may be made postemergence to sugarcane 12 to 18 inches high.

Cotoran 80 WP is most effective in sugarcane when used as follows:

Plant Cane

First Application: Preemergence broadcast, at a rate of 2.5 to 5.0 pounds in 25 to 40 gallons of water per acre to the surface of the soil

pounds in 25 to 40 gallons of water per acre after harvest and any time before new cane shoots and weeds emerge.

Second Application: Postemergence, directed, semi-directed, or over-the-top of the cane at a rate of 2.5 to 5.0 pounds in 25 to 40 gallons of water per acre when cane is 12 to 18 inches high. This application should be made preemergence to weeds, or to weeds less than 2 inches in height.

Precaution: Do not apply more than 10 pounds of Cotoran 80 WP to the soil during any one year. Do not plant crops other than sugarcane or cotton within one year after the last application or injury may result.

Note: Do not apply within 180 days of harvest. Do not graze treated fields with livestock.

Cotoran[®] trademark of CIBA-GEIGY for fluometuron
U.S. Patent No. 3,134,655

Agricultural Division
CIBA-GEIGY Corporation
Ardsley, New York 10502

FDC 1

Net Weight _____

USDA Registration No. 8192-14

100 53

Tenoran[®] Technical

For Manufacturing Purposes Only

ACCEPTED
 8/31/70
 UNDER THE FEDERAL INSECTICIDE
 FUNGICIDE AND MITICIDE ACT
 FOR ECONOMIC PEST CONTROL ADMINISTERED
 TO ATTACHED COMMENTS.
 Transferred to
 130-558

Active Ingredient:

chloroxuron: 3-[p-(p-chlorophenoxy)-
phenyl]-1,1-dimethylurea

95%

Inert Ingredient:

5%

Total 100%

C
I
B
A

CAUTION: KEEP OUT OF REACH OF CHILDREN AND ANIMALS. May be harmful if swallowed. Avoid inhaling dust. Wash hands with soap and water before eating, drinking, or smoking. Do not contaminate food or feed. Avoid repeated or prolonged contact with skin. Wear clean clothing. Wash clothes before reusing. Do not contaminate water by dumping tank washings in ponds or streams. Destroy empty containers by burning. Do not inhale smoke from burning containers.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. In no case shall CIBA or the seller be liable for consequential, special, or indirect, damages resulting from the use or handling of this product. CIBA and the seller offer this product, and the buyer and user accept it, subject to the foregoing conditions of sale and warranty which may be varied only by agreement in writing signed by a duly authorized representative of CIBA.

Manufactured for:
CIBA AGROCHEMICAL COMPANY
Division of CIBA Corporation
556 Morris Ave., Summit, New Jersey 07901

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Agricultural Division
CIBA-GEIGY Corporation
Greensboro, North Carolina 27409

CGA 10L10

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CIBA-GEIGY

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Compatibility

To determine compatibility, pour the product into a small container of liquid fertilizer or nitrogen solution in approximate proportion to be mixed in spray tank. 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.

Ground Application

For the most uniform distribution of broadcast applications use flat fan-type nozzles. For band applications use flat fan even spray nozzles. Screens and strainers should be no finer than 50-mesh. Use a pump with capacity to (1) provide sufficient hydraulic agitation during mixing and application to keep the material in suspension and (2) maintain 30-40 psi operating pressure. Use a minimum of 10 gals. of water per acre. For band treatments use a proportional volume.

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