

Milocep

Herbicide

For weed control in sorghum (milo and sweet sorghum)

Active Ingredients:
 Metolachlor:
 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide 36.3%
 Propazine:
 2-chloro-4,6-bis(isopropylamino)-s-triazine 18.7%
 Inert Ingredients: 45.0%
 Total: 100.0%

2 1/2
 Gallons
 U.S. Standard Measure

Milocep contains 5 lbs. active ingredients per gallon.

Keep Out of Reach of Children.

Danger:

See additional precautionary statements inside booklet.

EPA Reg. No. 100-604
 EPA Est. 100-LA-1

Milocep® trademark of CIBA-GEIGY
 U.S. Patent No. 3,937,730 (metolachlor)

See directions for use inside booklet.

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Agricultural Division
 CIBA-GEIGY Corporation
 Greensboro, North Carolina 27409
 CGA 62L1

CIBA-GEIGY

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 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-GEIGY.

Directions for Use

FAILURE TO FOLLOW ALL PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

Milocep is a selective herbicide for preplant incorporated or preemergence control of most annual grasses and broadleaf weeds in sorghum provided the sorghum seed has been properly treated by the seed company with Concep® at 8 oz. per 100 lbs. of seed.

Precautions: 1) If sorghum seed is not properly pretreated with Concep, Milocep will severely injure the crop. 2) Under high soil moisture conditions prior to sorghum emergence, temporary injury may occur following the use of Milocep. The crop will normally outgrow this effect. 3) Do not use under dry mulch tillage, or injury may occur.

Dry weather following preemergence application of Milocep may reduce effectiveness. Cultivate if weeds develop.

Apply Milocep in water or in fluid fertilizer in a minimum of 15 gals. of spray mixture per acre.

Sprayer Equipment: Use conventional spray equipment that provides accurate and uniform application. Screens and strainers should be no finer than 50-mesh. Rinse sprayer thoroughly with clean water immediately after use.

Mixing Instructions: Shake well before using. Fill the spray tank one-half to three-fourths full with water or fluid fertilizer, add the proper amount of Milocep, then add the rest of the water or fluid fertilizer. Provide sufficient agitation during mixing and application to maintain a uniform suspension.

To determine the compatibility of Milocep with fluid fertilizer, pour 2 1/2 teaspoons of Milocep into a pint of fluid fertilizer (assumes 5 pts. of Milocep and 25 gals. of fluid fertilizer per acre; for changes in spray volume or herbicide rate, make appropriate changes in the proportion of ingredients in the test). After thorough mixing, let stand for 5 minutes. If the combination remains mixed or can be remixed readily, the mixture is compatible and can be sprayed.

Within the rate range for a specific soil category in the rate table, use the lower rate on soil relatively coarse-textured or low in organic matter; use the higher rate on soil relatively fine-textured or high in organic matter.

Calculate the amount needed for band treatment by the formula:

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

Weeds Controlled

barnyardgrass (watergrass)
 browntop panicum
 crabgrass
 fall panicum
 giant foxtail
 green foxtail
 prairie cupgrass
 red rice
 signalgrass (Brachiaria)
 southwestern cupgrass
 witchgrass
 yellow foxtail
 yellow nutsedge

Weeds Partially Controlled

sandbur
 seedling johnsongrass
 volunteer sorghum

ACCEPTED

22 FEB 1980

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 100-604

Application: Apply Milocep either preplant incorporated or preemergence at the appropriate rate from the following rate table. **Preplant Incorporated:** Apply to the soil within 14 days before planting and incorporate into the top 2 inches, using a finishing disk, harrow, rolling cultivator, or similar implement capable of uniform incorporation. Use a preplant incorporated application if furrow irrigation is used or when a period of dry weather after application is expected. If sorghum is to be planted on beds, apply and incorporate after bed formation. **Preemergence:** Apply to the soil surface at planting, or after planting but before weeds or sorghum emerge.

BEST DOCUMENT AVAILABLE

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Soil texture	Broadcast rate per acre
COARSE Sand, loamy sand	DO NOT USE
sandy loam	3-3.5 pts.
MEDIUM Loam, silt, silt loam	3.5-4.5 pts.
FINE Silty clay loam, sandy clay loam, clay loam, sandy clay, silty clay, clay	4.5-5 pts.

Precaution: Application on highly alkaline soils or on eroded areas where calcareous subsoils are exposed may cause crop injury.

Rotational Crops: 1) If sorghum treated with Milocep is lost, sorghum may be replanted immediately using Concep-treated seed. Do not make a second broadcast application of Milocep. If the original application was banded and sorghum is replanted in the untreated row middles, a second band treatment of Milocep may be applied. 2) Corn, sorghum, or soybeans may be planted the following year. All other crops may be planted 18 months after application.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Pesticide, spray mixture, or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Triple rinse (or equivalent) and dispose of in incinerator or landfill approved for pesticide containers, or bury in a safe place. Consult federal, state, or local disposal authorities for approved alternative procedures such as limited open burning.

Precautionary Statements

Hazards to Humans and Domestic Animals
DANGER

Corrosive — causes eye damage. Do not get in eyes, skin, or clothing. Wear goggles or face shield when handling. May be fatal if inhaled. Do not breathe vapors or spray mists. Harmful if swallowed. May cause skin sensitization reactions in certain individuals. Wash thoroughly after handling. Avoid contamination of food.

First Aid: In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Call a physician. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth; get medical attention. In case of contact with skin, wash with soap and water. Remove and wash contaminated clothing before reuse.

Environmental Hazards

Keep out of any body of water. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from areas treated.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

Concep® trademark of CIBA-GEIGY
U.S. Patent No. 4,070,389

Milocep® trademark of CIBA-GEIGY
U.S. Patent No. 3,937,730 (metolachlor)

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