



KARMEX[®] DL

DIURON WEED KILLER

ACTIVE INGREDIENT

Diuron [3-(3,4-dichlorophenyl)-1,1-dimethylurea]..... 28%

INERT INGREDIENTS 72%

EPA Reg. No. 352-199-AA

CAUTION! Keep out of reach of children.
MAY IRRITATE EYES, NOSE, THROAT, AND SKIN.

Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing.

IMPORTANT: Injury to or loss of desirable trees or other plants may result from failure to observe the following: Do not apply (except as recommended for crop use), or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants. Do not re-use container. Crush and bury when empty. Do not contaminate domestic waters. Keep from contact with fertilizers, insecticides, fungicides, and seeds. Thoroughly clean all traces of "Karmex" DL from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately).

GENERAL INFORMATION: Du Pont "Karmex" DL Diuron Weed Killer, applied as a PRE-EMERGENCE spray, selectively controls annual weed and grass seedlings such as crabgrass, pigweed, purslane, lambsquarters and ragweed in cotton.

"Karmex" DL, in combination with Du Pont Surfactant WK, applied as a directed POST-EMERGENCE spray when cotton is at least 6 inches tall, controls emerged annual weeds up to 2 inches in height.

These treatments are not effective against perennial weeds such as nutgrass, Johnsongrass, Bermudagrass and vines.

KEEP CONTAINER CLOSED—DO NOT SUBJECT TO TEMPERATURES BELOW 32°F.

1/2 U.S. GALLON (Contains 1.4 lbs. diuron)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)

AGRICULTURAL DEPARTMENT WILMINGTON, DELAWARE

DIRECTIONS—COTTON

"Karmex" DL should be used only in accordance with recommendations on this label, or in separate published Du Pont recommendations available through local dealers.

Apply with a tractor-mounted power sprayer properly calibrated to a constant speed and rate of delivery. For calibration instructions, see Du Pont bulletin, "KARMEX[®] DL Diuron Weed Killer—Suggested Spray Equipment and Calibration Procedures for use in Cotton". To prepare spray, fill spray tank ¼ to ½ full of water and start pump to agitate; pour proper amount of "Karmex" DL (stir thoroughly before measuring) into spray tank while tank is being filled.

PRE-EMERGENCE APPLICATION (except California and Arizona)

Make a single application at the following rates as a broadcast or band spray after planting but before cotton emerges. Do not treat cotton planted in deep furrows as crop injury may result.

BROADCAST TREATMENT

Soil Type*	Pts. "Karmex" DL Per Acre (In 25 to 40 Gals. Water)	Lbs. Diuron Per Acre
Loamy sand	1½	0.5
Sandy loam, loam, silt loam and silt	2¼	0.8
Sandy clay loam, clay loam, silty clay loam, and sandy clay	3	1.0
Silty clay and clay	4½	1.6

*Do not use on sand as crop injury may result.

BAND TREATMENT: Use proportionately less; for example, for 14" band on 42" row, use ⅓ of the broadcast rate.

Apply immediately after cotton is planted; wherever possible, planting and spraying should be combined in one operation. For best results, soil should be well prepared and as free as possible from trash and clods. Shallow incorporation (no deeper than ¼") with a rotary hoe or similar equipment following planting usually improves results particularly during dry weather. A wide press wheel following planting should be used to provide a level seed bed for subsequent early season post-emergence treatments.

Treatment usually provides weed control for a period of 3 to 8 weeks. Sufficient moisture (usually 1" to 2") in the form of rainfall or irrigation is necessary after treatment to carry the chemical into the root zone of germinating weeds; best results are obtained when this occurs within 2 weeks after application. If moisture is insufficient to activate the chemical or if soil becomes crusted before crop emerges, a shallow rotary hoeing (no deeper than ¼") should be made before weeds become established.

If initial seeding fails to produce a stand, cotton may be replanted in soil treated with "Karmex" DL. Wherever possible, avoid disturbing original bed. If necessary to rework soil before replanting, use shallow cultivation such as disking; do not re-list nor move soil onto the original drill area. Plant seed at least 1 inch deep. Do not re-treat field with a second pre-emergence application of "Karmex" DL during the same crop year as injury to the crop may result.

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POST-EMERGENCE APPLICATION

Apply "Karmex" DL, in combination with Surfactant WK, as a directed spray when cotton is at least 6 inches tall and when weeds do not exceed 2 inches in height; a second application may be made if needed. Control of weeds under drought stress or over 2 inches in height is usually impractical. Apply as a band treatment only, directing spray to cover weed foliage. **DO NOT SPRAY OVER TOP OF COTTON.** Use nozzle pressures of 20 to 25 psi and adjust nozzles to minimize contact of cotton leaves with spray or drift, or crop injury may result.

BAND TREATMENT

Amount Per Acre of Cropland Applied to 14" Band on 42" Rows
(In 10 to 15 Gals. Water)*

Weed Problem (Up to 2" tall)	Fl. Ozs. "Karmex" DL	Lbs. Diuron**
Annual Weeds	6	.14 (0.4)
Pigweed	3	.07 (0.2)

*Include Surfactant WK at 1 pt. per 25 gals. of spray; dilute with 10 parts water and add as last ingredient to nearly full tank.

**Equivalent broadcast rates in parentheses.

SUBSEQUENT CROPS

"Karmex" DL—Type of Application	Crops That May Follow Treated Cotton
Band pre- or post-emergence	Any crop 4 months after last application
Band pre- plus post-emergence —or— Broadcast pre-emergence —or— Broadcast pre-emergence plus band post-emergence	Cotton, soybeans, corn or grain sorghums (not sorghos or forage sorghums nor grass sorghums) the next spring. Do not replant treated areas to any other crop within one year after last application as injury to subsequent crops may result.

NOTE: During a single crop season, do not exceed the following amount of diuron per acre from combined applications of "Karmex" DL and "Karmex" Diuron Weed Killer as injury to subsequent crops may result: 0.8 lbs. on loamy sand; 1.2 lbs. on sandy loam; 1.6 lbs. on clay loam; and 2.2 lbs. on clay.

NOTICE TO BUYER: Seller 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. This warranty does not extend to use of this product contrary to label use directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller; buyer assumes all risk of any such use. Seller makes no other warranties, express or implied.

Purchase of this material does not confer any rights under patents of countries outside of the United States.



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DU PONT DE NEMOURS & COMPANY (INC.)
DEPARTMENT OF CHEMISTRY, WILMINGTON, DELAWARE

BEST DOCUMENT AVAILABLE

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Dec 12, 1977