



CHEMPAR DIURON 80% WP

Weed Killer

Active Ingredient:		
Diuron 3 (3,4-dichlorophenyl)-1,1-dimethylurea		80%
Inert Ingredients:		20%
	Total	100%

ALL DOSAGES ARE UNDERSTOOD TO BE IN POUNDS OF DIURON 80% PER ACRE

CAUTION: KEEP OUT OF THE REACH OF CHILDREN

May irritate eyes, nose, throat and skin. Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing. Do not contaminate streams or ponds.
Use only as recommended on this label. Do not apply or allow to come in contact with plants or trees or plants or their roots. Do not use on lawns, walks, driveways or other similar areas.
Keep away from fertilizers, insecticides, fungicides and seeds. Clean all application equipment thoroughly immediately after use. Flush tank and pump equipment and accessories repeatedly with plenty of water after use.
Do not use shipping containers. Destroy by flushing and turning.
Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product to a hard surface.

DIRECTIONS FOR USE

Read equipment label for use.
Use proper equipment to determine amount of water necessary to cover thoroughly the intended area. Mix Diuron with suspended in water by at least 1000 g/gal. Screens should have a mesh of 50 mesh or finer. Use screens to minimize foaming by allowing 1 inch of water in tank. For use on small areas, portable equipment may be used provided the amount of water is correct.

NON-CROP USE

Use Diuron to control weeds in lawns, ornamentals and perennial grasses and weeds in areas where it is not intended to be used by the amount of active material use. Do not apply to growing plants. Herbicide should be applied before emergence of weeds in most cases. For use on lawns, apply 2 to 4 lbs per 1000 sq ft. After emergence, remove tops and spray the lawn with Diuron. For use on ornamentals, add 2 quarts Sulfatop Adsee 801 per 100 gallons of water. Apply as directed spray in temperatures of 70 F or higher.

For use on highway, pipeline and railroad right of way, use Diuron in the following areas: BERRYARDS, PETROLEUM TANK FARMS, INDUSTRIAL PLANTS, CANALS, etc. Use the following dosages of Diuron per acre:

1. Lawns	5 to 20 lbs
2. Ornamentals	20 to 60 lbs
3. Highway, pipeline, railroad right of way, etc.	See label for directions

Mix and store treatments. See label for directions.

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SELECTIVE CROP USE

Any well established weeds should be eliminated prior to use of this product. The following weed seedlings can be controlled with Diuron: crabgrass, foxtail, watergrass, pigweed, Johnson grass, Spanish needle, purslane, chickweed, ragweed, annual ryegrass, annual morningglory, wild mustard, lambsquarters. Apply when moisture is present or just before rain to allow the chemical to drain to root area. Do not cultivate area right after application to avoid crop injury. Apply with sufficient water (25 to 40 gals per acre) with a fixed-boom power sprayer to allow thorough coverage.

SOIL LIMITATIONS: Crop injury may result from failure to observe the following: Unless otherwise directed, do not use (1) on light (sand, loamy sand or gravelly) soils or exposed subsoil.

(2) on alfalfa, citrus (cotton, soy, and sugarcane where organic matter is less than 1%).
ALFALFA - CITRUS: Refer to supplement No. 1 from manufacturer for additional use directions and limitations.

CROPS

All rates are expressed as broadcast rates unless otherwise specified. Unless otherwise directed, surface of soil should not be cultivated or disturbed after application as crop injury may result.

Unless otherwise indicated, do not replant treated areas at least two years after application of Diuron to avoid crop injury.

COTTON

Pre-emergence (except Arizona and California). Make a single application as a broadcast or a band spray after planting but before cotton emerges. Use at the following rates:

BROADCAST TREATMENT

Soil Type*	Apply Mixture 1 lb Diuron in 1/2 to 1/3 Acre of Water per Acre
Loamy sand	1.0
Sandy loam, silty loam and silty	1.0
Sandy clay loam, clay loam, silty clay and sandy clay	1.2
Silty clay and clay	1.5

*Do not use on sand as crop injury may result. Do not treat with Diuron for wheat as crop injury may result.

BAND TREATMENT

Use proportionately less, for example, for 14 inch band in 40 inch row, use 1/4 of broadcast rate.

Apply immediately after cotton is planted, wherever possible, using ground spraying should be combined in one operation. For best results, soil should be well prepared and as free as possible from trash and clots. For row incorporation, use a roller or harrow with a rotary hoe or similar equipment following planting, usually in pre-planting operations during dry weather. A wide press, when following planting, will be used to provide a level seed bed for subsequent early season post-emergence treatments.

Treatment usually provides weed control for a period of 4 to 8 weeks. If an early moisture (usually 1 to 2 inches) in the form of rain falls or irrigation is necessary after treatment to carry the Diuron into the root zone of germinating weeds, the results are improved when this occurs within 2 weeks after application. If moisture does not fall within a month, Diuron should be re-treated before crop emergence. In the winter, Diuron should be reapplied to the soil to control weeds for the winter crop.

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

Post-emergence Early Season: Apply in combination with Surfactant Adsee 801 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 pressure 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 when applied to 14' band on 42' rows (in 10 to 15 gals. water)

Weeds	Diuron	Equivalent Broadcast Rates
Annual Weeds	0.18 lb	2.8 oz
Fl. weed	0.09 lb	1.4 oz

Use Surfactant Adsee 801 at 1 pt. per 25 gals. of spray dilute with 10 parts water and add as last ingredient to nearly full tank.

Early Season (L.V. E.V.): Use 1 to 1.5 lbs. Diuron (1 to 2 lbs. in Arizona and California) in 25 to 40 gals. water per acre as a directed spray (see Soil Limitations). Apply when cotton is at least 12 inches high (at least 20 inches for Pima S-2). Keep control of spray or drift on cotton plants to a minimum. **DO NOT SPRAY OVER TOP OF COTTON.** For control of germinating weed seedlings, apply immediately after last cultivation. Directing spray to cover the soil beneath cotton plants and between rows. After harvest, for control of emerged annual weeds (4 inches or less in height) at lay-by time, add 1 pt. Surfactant Adsee 801 for each 25 gals. spray; apply as a directed spray to cover weed foliage beneath cotton plants and between rows. **NOTE:** Treatment of 1-2 to 3-4 lb Diuron per acre plus surfactant followed by the same treatment later, if needed, may be more appropriate to the preceding recommendation.

If irrigated, 10 to 15 days post-emergence weed control is obtained if the field is irrigated within 3 to 4 days after application, thoroughly wet the surface of the ground over the row zone, and the water seeps into the root zone of germinating weeds.

SUBSEQUENT CROPS:

Diuron Type Application	Crops that may Follow Treated Cotton
Pre-emergence Post-emergence	Any crop 4 months after last application.
Pre-emergence Post-emergence Pre-emergence Pre-emergence and pre-emergence	Cotton, soybeans, corn or grain sorghums, nut sorghum, sorghum forage, sorghums for grass, sorghums for seed, sorghum (do not re-plant treated areas to any other crop within one year after last application). Any other subsequent crops may result.
Pre-emergence Pre-emergence Pre-emergence Pre-emergence	Cotton, corn, grain sorghums, nut sorghum, forage sorghums, nut grass, sorghums for seed, sorghum. Do not re-plant treated areas to any other crop within one year after last application. Any other subsequent crops may result.

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NOTE: During a single crop season, do not exceed the following amount of Diuron per acre 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.

PINEAPPLE - Hawaii: Apply 4 to 8 lbs. per acre as a broadcast spray immediately after planting and prior to weed emergence. Use 4 lbs. per acre after harvesting plant crop (for ratoon crop). For plant crop only, a second and third broadcast or interspace application may be made prior to differentiation at the rate of 2 lbs. per acre at intervals of not less than 2 months. Additional applications to plant crop may be made as needed to interspace or using 2 lbs. per acre. Do not apply more than 3 broadcast sprays, maximum 12 lbs. per acre, prior to differentiation nor more than 16 lbs. total per acre per plant crop. Treated areas may be planted to pineapple or sugar cane 1 year after last application.

SUGAR CANE: To prevent possible crop injury on new cane varieties, tolerance to Diuron should be determined prior to adoption as field practice. Do not treat sugar cane growing on thin, covered sub-soils or rocky areas as crop injury may result. See Soil Conditions. Temporary chlorosis of the crop may result from application over emerged cane. To minimize crop loss, use directed, post-emergence sprays.

Florida: For high organic soils, apply 2 to 4 lbs. per acre as a broadcast or third spray prior to weed emergence after planting or after harvesting plant crop (for ratoon crop). A second and third application of 2 lbs. per acre may be made as needed by directed spray. Do not apply more than 4 treatments nor more than 8 lbs. per acre between planting and harvest.

Hawaii and Puerto Rico: Apply 4 to 8 lbs. as a broadcast spray prior to weed emergence after planting or after harvesting plant crop (for ratoon crop). A second and third application of 2 to 4 lbs. per acre may be made as a broadcast spray over emerged cane or by directed spray after row.

Use wetting agent or surfactant such as Surfactant Adjuv. E05-Retzol. Add 1 to 2 qt. to the spray mixture at the rate of 1 to 2 qt. per 100 gal. of spray. Apply as directed spray. **DO NOT SPRAY OVER TOP OF CANE.**

Do not apply more than 4 treatments in a more than 12 mos. Period. Hawaii and Florida: Do not apply more than 4 treatments in a more than 12 mos. Period. Treated areas may be planted to sugar cane or pineapple one year after last application.

Louisiana: Do not apply more than 4 treatments in a more than 12 mos. Period. Application should be made at intervals of four to five weeks. Fall treatment (August through October) should be made prior to planting or after planting of cane. In bare woods or areas to be planted to cane, apply Diuron through April, May, and June at 2 to 4 lbs. per acre. Do not apply more than 4 treatments in a more than 12 mos. Period.

MISCELLANEOUS USES: For use as a weed killer on non-crop areas, apply as directed. For use on lawns, apply as directed. For use on roads, apply as directed. For use on golf courses, apply as directed. For use on tennis courts, apply as directed. For use on parking lots, apply as directed. For use on driveways, apply as directed. For use on sidewalks, apply as directed. For use on patios, apply as directed. For use on decks, apply as directed. For use on porches, apply as directed. For use on balconies, apply as directed. For use on terraces, apply as directed. For use on stairs, apply as directed. For use on ramps, apply as directed. For use on walkways, apply as directed. For use on playgrounds, apply as directed. For use on school grounds, apply as directed. For use on public parks, apply as directed. For use on private property, apply as directed. For use on commercial property, apply as directed. For use on residential property, apply as directed. For use on industrial property, apply as directed. For use on agricultural property, apply as directed. For use on other property, apply as directed.

DO NOT STORE WITH FOODSTUFFS

NOTICE: This product is a restricted use pesticide. It is not to be used by anyone other than a person who is licensed by the State of Louisiana to use restricted use pesticides. It is not to be used in any manner that would be injurious to humans, animals, or the environment. It is not to be used in any manner that would be injurious to crops, plants, or animals. It is not to be used in any manner that would be injurious to the environment. It is not to be used in any manner that would be injurious to the soil. It is not to be used in any manner that would be injurious to the water. It is not to be used in any manner that would be injurious to the air. It is not to be used in any manner that would be injurious to the climate. It is not to be used in any manner that would be injurious to the ozone layer. It is not to be used in any manner that would be injurious to the global environment. It is not to be used in any manner that would be injurious to the world.

Manufactured for
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260 Madison Avenue
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EPA Reg. No. 227-100-01
EPA Est. No. 1-11-100

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