

(Container)



Diuron 80 DF Herbicide

Dispersible Granule

For the control of grasses and weeds on non-cropland areas, irrigation and drainage ditches; and for the control of algae and aquatic weeds in ponds and dugouts

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: Diuron 80%

REGISTRATION NO. 26949 PEST CONTROL PRODUCTS ACT

WARNING! EYE IRRITANT

NET CONTENTS 25 kg

Dow AgroSciences Canada Inc.
Suite 201, 1144 - 29 Avenue N.E.
Calgary, Alberta
T2E 7P1
1-800-667-3852

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

WARNING! EYE IRRITANT

May irritate eyes, nose, throat and skin. Do not get in eyes. Avoid breathing dust or spray mist. Avoid contact with skin and clothing. Wash thoroughly with soap and water after handling. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician or a poison control centre.

If in eyes: Flush with plenty of water. Get medical attention if irritation persists or contact a poison control centre.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists or contact a poison control centre.

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

For further information consult the Material Safety Data Sheet.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

STORAGE

Store product in original container only, away from other pesticides, fertilizer, food or feed.

DISPOSAL

DISPOSAL

Returnable Containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

(Booklet)



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GENERAL INFORMATION

Diuron 80 DF Herbicide is a dispersible granule, mixed with water and applied as a spray to the surface of the ground, pond or dugout for control of weeds and/or algae. Effects are slow to appear and will not become apparent until the chemical has been absorbed into the plant and trans-located into the leaves. Diuron 80 DF is noncorrosive to equipment, nonvolatile and non-flammable.

GENERAL USE PRECAUTIONS

- Do not apply, 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 dry powder or spray to desirable plants.

- Do not contaminate domestic waters.
- Keep from contact with fertilizers, insecticides, fungicides and seeds.
- Thoroughly clean all traces of Diuron 80 DF from application equipment immediately after use; otherwise, crop injury may result when equipment is used again. Flush tank, pump, hoses and boom with several changes of water after removing nozzle tips and screens (clean these parts separately).

DIRECTIONS FOR USE

Diuron 80 DF should be used only in accordance with recommendations on this label.

Before spraying, calibrate equipment to determine quantity of water necessary to uniformly cover area to be treated. Accurately weigh amount of Diuron 80 DF required and mix into necessary volume of water. Water serves only as a carrier. Except for small areas, use fixed-boom power sprayers properly calibrated to insure constant rate of application. Openings in screens should be equal to or larger than 50 mesh.

Material must be kept in suspension at all times by agitation, preferably continuous mechanical or hydraulic means in the spray tank. If bypass or return line is used, it should terminate at bottom of tank to minimize foaming. Do not use air agitation. For general weed control in small areas, tank-type hand sprayer or sprinkling can be used; shake or stir frequently.

DO NOT APPLY BY AIR.

CAUTION: Do not graze the treated crops or cut for hay; sufficient data are not available to support such use.

Non-Crop Weed Control

Diuron 80 DF is an effective general herbicide for the control of many annual and perennial grasses and herbaceous weeds such as dandelion, goldenrod, thistle and milkweed on non-cropland areas where bare ground is desired. After an extended period of time, regrowth of plantain, thistle or wild carrot will indicate that re-treatment is necessary.

Diuron 80 DF may be used at any time, except when ground is frozen, providing adequate moisture is received by rainfall or artificial means. Best results are obtained when applied shortly before weed growth begins. Dense growth should be removed. The degree of control and duration of effect will vary with the amount of chemical applied, soil type, rainfall, and other conditions.

General Weed Control

The actual rates required to control most weeds for an extended period of time vary depending on soil type, weed species present and duration of control desired. On sands and sandy loams, apply 14-27 kg Diuron 80 DF per ha. On clays or high organic soils, apply 40-55 kg/ha. The lower rate within the respective soil classifications should be used where annuals predominate and where one season's control is desired. Where perennials predominate and where more than one season's control is required, use the higher rates. To extend the control, a follow-up treatment of 1.1 kg may be used to control annuals and seedlings.

Irrigation and Drainage Ditches

Apply 0.25-0.75 kg per 100 m² (23-67 kg/ha). For irrigation ditches apply during the non-crop season, and when ditch is not in use. To minimize movement of Diuron 80 DF with irrigation water and avoid crop injury, it is essential that it be fixed in the treated soil by moisture. Apply before expected seasonal rainfall, if possible when soil in the ditch is still moist.

If rainfall has not totaled at least 10 cm following treatment and before intended use of irrigation ditch, fill with water and allow to stand for 72 hours; drain off and waste remaining water before using ditch. Do not treat any ditch area into which roots of trees or other desirable plants may extend.

For Control of Algae and Aquatic Weeds in Ponds and Dugouts

Diuron 80 DF is recommended for the control of algae, including filamentous types, and certain aquatic weeds in ponds and dugouts which have little or no water flow-through. Treatment is not effective in flowing water. The lower recommended rates control algae for several weeks; higher use rates extend algae control and usually control aquatic weeds such as naiads (Najas), pondweed (Potamogeton), duckweed (Lemna), bladderwort (Utricularia), and Chara.

Use at rates of 0.5 to 2 parts per million (ppm) diuron; use the lower rates for algae control and the higher rates for aquatic weeds and for extended algae control.

PPM Diuron in Water	Diuron 80 DF Per Hectare-Metre [†]
0.5 ppm	6.25 kg
1.0 ppm	12.50 kg
1.5 ppm	18.75 kg
2.0 ppm	25.00 kg

[†]Hectare-Metre = volume of water in pond 1 hectare in area and 1 metre deep. To calculate hectare-metre, multiply the number of hectares by the average depth or multiply surface area in sq m by average depth and then divide by 10,000.

Apply early in the season as a spray to the surface of the water, using a minimum of 450 L/ha of water. During application, agitate the spray mixture in the spray tank frequently to insure suspension of the herbicide. Application may be facilitated by marking small areas with floats before treating.

If pond contains heavy growth of aquatic plants, fish killed from oxygen depletion due to vegetation decomposition may be avoided or alleviated by treating only a portion of the pond and treating the remaining area 2 to 4 weeks later. Successive treatments may be made, if needed, provided the seasonal total does not exceed 2 ppm Diuron.

NOTE: Do not use in domestic water supplies. Do not use in ponds and dugouts producing fish for human consumption. Do not use water from treated ponds within one year for irrigation; do not apply to ponds having desirable trees or shrubs on the perimeter, or to areas where their roots may extend, or in locations where the herbicide may be washed or moved in contact with the roots; do not drain ponds into areas containing desirable plants as injury to the plants may result.

SPOT TREATMENT: To control deep-rooted perennial weeds such as couchgrass and toadflax, spot treat at a rate of 0.75-1.0 kg per 100 m². Re-treat as necessary. This treatment will result in the loss of soil productivity for an extended period.

FOR SMALL AREAS: 50 g of Diuron 80 DF per 10 m² is approximately 55 kg per ha.

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