

10182-356

08/29/2000

1/8

Page 1 of 8  
Diquat Weed Killer "D"  
DIQ356MAS-080400

**Diquat Weed Killer "D"**

**TO PREVENT ACCIDENTAL POISONING, NEVER PUT INTO FOOD, DRINK OR  
OTHER CONTAINERS AND USE STRICTLY IN ACCORDANCE WITH ENTIRE LABEL**

**ACTIVE INGREDIENT:**

Diquat dibromide [6,7-dihydrodipyrido (1,2-a:2',1'-c)

pyrazinedium dibromide] ..... 4.35%

**INERT INGREDIENTS** ..... 95.65%

**Total** ..... 100.0%

Contains 0.2 lbs. diquat cation per gal. as 0.371 lbs. salt per gal.

EPA REG. NO. 10182-356

EPA EST. NO.

Net Contents:

**KEEP OUT OF REACH OF CHILDREN**

**WARNING - AVISO**

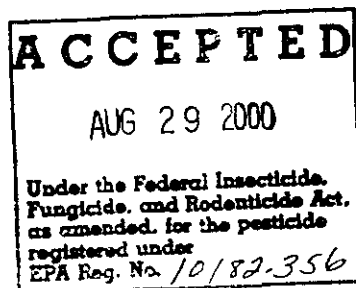
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail.)

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

Active Ingredient Made in U.K.

**ZENECA Professional Products**

ZENECA Ag Products Inc.  
Wilmington, DE 19850-5458



2/8

## STATEMENT OF PRACTICAL TREATMENT

~~IF SWALLOWED: IMMEDIATELY give water or milk to drink and induce vomiting by inserting finger in throat. Take person and product container to the nearest hospital or physician fast. PROMPT TREATMENT IS ESSENTIAL TO COUNTERACT POISONING and should be initiated before signs and symptoms of injury appear.~~

~~IF ON SKIN: IMMEDIATELY wash with plenty of soap and water. Get medical attention.~~

~~IF IN EYES: IMMEDIATELY flush with plenty of water. Call a physician if irritation persists.~~

~~IF INHALED: IMMEDIATELY remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.~~

### FIRST AID

If swallowed:	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• If person is unconscious, do not give anything by mouth and do not induce vomiting.</li></ul>
If on skin or clothing:	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If in eyes:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If inhaled:	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

**NOTE TO PHYSICIANS:** Call ZENECA Medical Emergency Information Network 1-800-F-A-S-T-M-E-D (327-8633) at any hour to obtain toxicology information and a diquat analysis. To be effective, treatment for diquat poisoning must begin **IMMEDIATELY**. Treatment consists of binding diquat in the gut with suspensions of activated charcoal or bentonite clay, administration of cathartics to enhance elimination, and removal of diquat from the blood by charcoal hemoperfusion or continuous hemodialysis.

3/8

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### WARNING

Harmful if swallowed, inhaled or absorbed through skin. Causes skin irritation. Do not get on skin, in eyes, or on clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse. Do not feed forage from treated crops to livestock. Keep livestock and pets out of treated areas.

Applicators and other handlers must wear:

- Coveralls over short sleeved shirt and short pants
- Shoes plus socks
- Chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or viton
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing, and loading

Application Restrictions: Do not apply this product in a way that will contact any person or pet, either directly or through drift. Only persons applying this product may be in the area during application.

#### User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

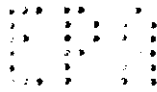
#### User Safety Recommendations

Users should:

- wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS (AQUATIC AND NONAQUATIC USES)

This pesticide is toxic to aquatic invertebrates. **For terrestrial uses**, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. **For aquatic uses**, do not apply directly to water except as specified on this label. Treatment of dense weed areas may result in oxygen loss from decomposition of dead weeds. This loss of oxygen may cause fish suffocation. Therefore, treat only 1/3 to 1/2 of the water body area at one time, especially if dense areas of weeds and/or algae exist, and wait 14 days between treatments.



4/8

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modifications and being grown in interior plantscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

### **REENTRY STATEMENT**

Do not allow people or pets to touch treated plants until the sprays have dried.

For terrestrial uses, do not allow entry of maintenance personnel into treated areas, or allow contact with treated vegetation wet with spray, dew or rain, without appropriate protective clothing until spray has dried.

For aquatic uses, do not enter treated areas while treatments are in progress.

Do not allow swimming in treated areas within 24 hours after treatment.

Certain states may require more restrictive reentry intervals; consult your State Department of Agriculture for further information.

Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

When oral warnings are given, warnings shall be given in a language customarily understood by workers and must indicate the specific period of time that treated areas may not be entered without protective clothing. Oral warnings must also include appropriate first aid instructions in case of accidental exposure. These instructions are given in the STATEMENT OF PRACTICAL TREATMENT at the beginning of this label.

Written warnings must include the following information, "WARNING. Area treated with Diquat Herbicide on (date of application). Do not enter treated areas without appropriate protective clothing until spray has dried (or other reentry interval if your State has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label).

5/8

## DIRECTIONS

Diquat Weed Killer "D" is recommended for use as a general weed killer and as an aquatic weed killer. Absorption and herbicidal action is usually quite rapid with effects visible in a few days. Rinse all spray equipment thoroughly with water after use. AVOID SPRAY DRIFT to crops which may be damaged during application. Always add a 75% nonionic spreader. Do not use dirty or muddy water for Diquat dilution as Diquat will be inactivated. Do not mix or apply with any other desiccant, pesticide or fertilizer.

### NONCROP OR NONPLANTED AREAS (Spot Sprays):

Rights-Of-Way, including Railroads, Highways, Roads, Dividers and Medians, Pipelines, Public Utility Lines, Including Pumping Stations, Transformer Stations and Substations, Around Electric Utilities, Commercial Buildings, Manufacturing Plants, Storage Yards, Rail Yards, Fence Lines and Parkways, Edges and Nonflooded Portions of Ponds, Lakes and Ditches. Also Around Ornamental Gardens, Walkways, Patios, Beneath Greenhouse Benches, Along Driveways and Around Golf Courses. To Kill Undesirable Above-Ground Grass and Broadleaf Weed Growth -- 2½ to 5 gals. plus 8 to 16 oz. of a nonionic surfactant per 100 gals. water (6¾ oz. Diquat Weed Killer "D" plus ½ teaspoonful of a nonionic surfactant to 1 gal. water). Apply for full coverage and thorough weed contact. Apply to young weeds since control decreases as weeds mature. Retreatment may be necessary to control grasses and established weeds. Avoid spray contact with foliage of food crops or ornamental plants.

### AQUATIC USE DIRECTIONS

**Do not apply to public waters.**

For application only to ponds, lakes, and drainage ditches where there is little or no outflow of water and which are totally under the control of the product's user. Do not use the treated water for animal consumption, spraying, irrigation, or domestic purposes for 14 days after treatment.

**DO NOT APPLY TO MUDDY WATER.** Avoid creating muddy water during application. Do not apply under conditions of high wind and wave action. Do not apply where plants are covered with mud deposits. Consult your State Fish and Game Agencies before applying this product to public waters.

## WEED SPECIES

## GALS/SURFACE ACRE

### Submersed Weeds (Infesting Still Ponds, Lakes, Ditches or Portions Thereof):

Bladderwort ( <i>Utricularia</i> spp.)	10-20
Coontail ( <i>Ceratophyllum demersum</i> )	20
Elodea ( <i>Elodea</i> spp.)	20
Naiad ( <i>Najas</i> spp.)	10
Pondweeds ( <i>Potamogeton</i> spp.)*	20
Watermilfoil ( <i>Myriophyllum</i> spp.)	10-20

\*Except *P. robbinsii*; also Richardson Pondweed (*P. richardsonii*) in Minnesota

**APPLICATION:** In early season where submersed weed growth has not reached the surface, apply Diquat Weed Killer "D" by pouring directly from the container into the water while moving slowly over the water surface in a boat. Distribute evenly over infested areas in strips 40 feet apart. In mixed weed populations, use the high rate of application as indicated by weeds present.

In late season or where submersed weed growth has reached the water surface throughout the area to be treated, apply Diquat Weed Killer "D" by pouring as above or injecting below the water surface in strips no more than 20 feet apart. Use the high rate of application as indicated by the weeds present. Where algae are present along with the submersed weeds, pretreatment with Copper Sulphate at recommended rates is advised for best results with Diquat Weed Killer "D".

## FLOATING WEEDS

## GALS/SURFACE ACRE

Pennywort ( <i>Hydrocotyle umbellata</i> )	5 - 7½
Salvinia ( <i>Salvinia rotundifolia</i> )	5 - 7½
Waterhyacinth ( <i>Eichhornia crassipes</i> )	5 - 7½
Waterlettuce ( <i>Pistia Stratiotes</i> )	5 - 7½

**APPLICATION:** 150 to 200 gals. of water plus 1 pint of a nonionic surfactant should be applied as an overall spray for control of the above weeds. The high rates of Diquat Weed Killer "D" should be used for late season application.

## GALS/SURFACE ACRE

Duckweed ( <i>Lemna</i> spp.)	10
-------------------------------	----

**APPLICATION:** For control, apply Diquat Weed Killer "D" as an overall spray in 50 to 150 gals. of water per acre. Care should be taken to thoroughly cover all plants on water and on damp marginal areas. Reinfestation of Duckweed occurs readily from untreated areas. Retreatment with Diquat Weed Killer "D" may be necessary to obtain season-long control.

7/8

WEED SPECIES

GALS/100 GALS WATER

**Marginal Weeds** (Infesting the Edges and Other Portions  
of Ponds, Lakes and Ditches):

Cattails (*Typha* spp.)

10

**APPLICATION:** For top kill, apply Diquat Weed Killer "D" in 100 gals. water, plus 1 pint of a nonionic surfactant for full coverage and thorough weed contact. Repeat treatment as necessary to control regrowth. For best results, apply before flowering.

**ALGAE:** Diquat Weed Killer "D" will control certain filamentous algae. For *Spirogyra* spp. and *Pithophora* spp.: Apply 0.5 to 1.5 p.p.m. Application methods as for submersed weeds.

**Formula for Parts Per Million (PPM) Recommendations**

Gals. to use = p.p.m. recommended x acreage of water x average depth of water x 14.

For Example --  $\frac{1}{2}$  p.p.m. recommendations; two acre pond; 4 feet average depth;  
 $\frac{1}{2} \times 2 \times 4 \times 14 = 56$  gals. required.

**Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.**

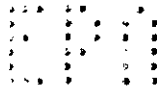
**STORAGE AND DISPOSAL**

**PROHIBITIONS:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

**STORAGE:** Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Do not contaminate feed, foodstuffs or drinking water. Do not store or transport near feed or food. Store at temperature above 32°F. For help with any spill, leak, fire or exposure involving this material, call CHEMTREC (1-800-424-9300).

**PESTICIDE DISPOSAL:** This product is acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Do not reuse container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.



8/8

**IMPORTANT:** Read the Entire Directions for Use and the Conditions of Sale and Warranty before using this product.

**CONDITIONS OF SALE AND LIMITED WARRANTY:**

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIVE REMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.