

**HOPKINS  
 DIQUAT-L WEED KILLER 1/5 LB.  
 Dual Purpose: Kills Land and Water Weeds  
 Nonselective: Kills Weeds on Contact  
 Nonresidual: Inactivated on Contact with Soil**

**ACTIVE INGREDIENT:**

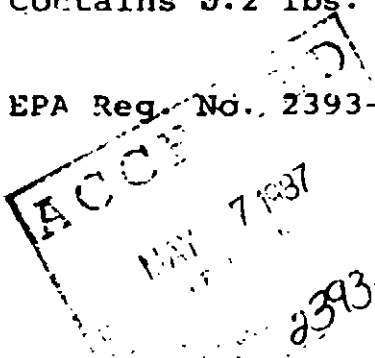
Diquat dibromide [6,7-dihydrodipyrido  
 (1,2-a:2'1'-c)pyrazinediium dibromide]..... 4.35%

**INERT INGREDIENTS:** ..... 95.65%  
**TOTAL** ..... 100.00%

Contains 3.2 lbs. diquat cation per gal. as 0.373 lbs salt per gal.

EPA Reg. No. 2393-458

EPA Est. No. \_\_\_\_\_



**KEEP OUT OF REACH OF CHILDREN (12 pt.)  
 WARNING (18 pt.)**

**Statements of Practical Treatment**

**If swallowed:** Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Use syrup of ipecac if available. Do not induce vomiting or give anything by mouth to an unconscious person.

**If on Skin:** Wash with soap and water immediately. Remove contaminated clothing.

**If in Eyes:** Flush with plenty of water holding eyelids open. Get medical attention.

**If inhaled:** Assist respiration as needed. Get medical attention for irritation, breathing difficulty or suspect symptoms.

**Note to Physician:** Symptoms following ingestion may be delayed up to 3 days. To be effective, treatment for diquat poisoning must begin IMMEDIATELY. Treatment consists of binding diquat in the gut with suspensions of bentonite clay or charcoal and removal of diquat from the blood by prolonged charcoal hemoperfusion or continuous hemodialysis.

See Additional Precautionary Statements on Side Panel

NET CONTENTS \_\_\_\_\_

Manufactured By  
 HOPKINS AGRICULTURAL CHEMICAL CO.  
 P.O. Box 7532  
 Madison, WI 53707

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**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**WARNING**

/May be fatal if swallowed, inhaled or absorbed through skin. Skin contact will cause severe irritation. Do not get material on skin, eyes or clothing. Contact with skin may increase danger of absorption. Repeated contact with skin or contact with open cuts or sores may increase the hazard associated with this product. Symptoms of injury may be delayed.

Do not contaminate feed, foodstuffs or drinking water. Do not store or transport with feed or food. Do not apply to, or 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.

**WORKER SAFETY RULES**

Keep all unprotected persons, children, livestock, and pets away from treated area or where there is danger of drift. Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away (See Practical Treatment Section).

HANDLE THE CONCENTRATE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT. Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet. Wear chemical resistant gloves, chemical resistant apron, and chemical resistant shoes, shoe coverings or boots. Wear goggles or a face shield. If handling the concentrate with a closed system - long sleeved shirt and long legged pants may be substituted for the protective suit.

WEAR THE FOLLOWING PROTECTIVE CLOTHING DURING APPLICATION (except when using subsurface aquatic application methods), EQUIPMENT REPAIR, EQUIPMENT CLEANING, DISPOSAL OF SPRAY SOLUTIONS AND DURING EARLY REENTRY TO TREATED AREAS:

Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet. Wear chemical resistant gloves and chemical resistant boots, shoes, or shoe coverings. During application only from a tractor with a completely enclosed cab or aurally with an enclosed cockpit - long sleeved shirt and long legged pants may be worn in place of the above protective clothing. Chemical resistant gloves must be available in the cab or cockpit and must be worn while exiting. This alternative clothing is inadequate to protect you during equipment repair, cleaning, or reentry.

**IMPORTANT!** Before removing gloves, wash them with soap and water. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting. After work, take off all clothes and shoes. Shower using soap and water. Wear only clean clothes. Do not use contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Clothing and protective equipment heavily contaminated or drenched with diquat dibromide must be disposed of according to state and local

regulations. HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

DURING AERIAL APPLICATION, HUMAN FLAGGERS ARE PROHIBITED UNLESS IN TOTALLY ENCLOSED VEHICLES.

**ENVIRONMENTAL HAZARDS** ✓

This pesticide is toxic to wildlife. Do not apply directly to water except as specified on this label. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not use treated water for animal consumption, spraying or irrigation within 14 days after treatment. Treatment of dense weed areas can result in oxygen loss from decomposition of dead weeds. This loss can cause fish suffocation. Therefore, treat only 1/3 to 1/2 of the dense weed areas at a time and wait 14 days between treatments. Consult your State Fish and Game agencies before applying this product to public waters.

**RESTRICTIONS** ✓

DO NOT APPLY TO MUDDY WATER, as treatment may be ineffective. 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. Follow applicable Federal, State and local regulations. Apply with care to avoid contacting desirable vegetation. Direct application or spray drift may cause plant injury or loss.

**DIRECTIONS FOR USE** ✓

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

**REENTRY STATEMENTS** ✓

Do not allow entry of maintenance personnel into treated areas of golf courses or rights-of way within 24 hours after treatment unless protective clothing is worn.

Do not allow swimming in treated areas within 14 days after treatment.

**STORAGE AND DISPOSAL (12 pt.)**

Do not contaminate water, food or feed by storage or disposal. Storage: Store at temperatures above 32 F. Keep in original container. Nonflammable.

**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:** Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

NOTE: Rinse application equipment with water after use.

### WEED CONTROL ON LAND ✓

When used as directed this nonvolatile herbicide will kill most forms of above ground plant growth and not damage the soil. Absorption and herbicidal action is usually quite rapid with effects visible in a few days. Soil does not become sterilized as this product is inactivated on contact with soil.

**NON-CROP OR NON-PLANTED AREAS:** Rights-of-way, Including Railroads, Highways, Roads, Dividers and Medians. Pipelines, Public Utility Lines, Including, Pumping Stations, Transformer Stations and Sub-Stations, around Electric Utilities, Commercial Buildings, Manufacturing Plants, Storage Yards, Rail Yards, Fence Lines and Parkways. Edges and Non-Flooded Portions of Ponds, Lakes, and Ditches. Also around Ornamental Gardens, Patios, along Driveways, Walkways, and beneath Greenhouse Benches, and Around Golf Courses. For Control of Undesirable Broadleaved and Grassy Weeds: Use 2 1/2 gallons of this product per 50 gallons water (6 2/3 fl. oz. per gal. water). Apply for full coverage and thorough weed contact. In difficult wetting situations (hard water, waxy or hairy foliage, mature plants), use 2 to 8 fluid ounces of a nonionic surfactant per 50 gallons of water (1/8 to 1/2 teaspoon per gallon) to obtain thorough coverage. Several suitable surfactants are available such as Hopkins Neptune , Ortho X-77 and Rohm & Haas Triton AG-98. For best results, apply to young weed growth since control decreases as weeds mature. Repeat application may be necessary to maintain control, particularly on grasses and established weeds. Avoid spray contact with foliage of food crops or ornamental plants. Do not water treated areas for 24 to 36 hours after application. Delay application if rain is likely.

### AQUATIC WEED CONTROL

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.

<u>Weed Species</u>	<u>Gallons per Surface Acre</u>	
Bladderwort (Utricularia spp.)	10 - 20	.....
Coontail (Ceratophyllum demersum)	20	.....
Elodea (Elodea spp.)	20	.....
Naiad (Najas spp.)	10	.....
Pondweeds (Potamogeton spp.)*	20	.....
		.....
*Except P. robbinsii; also Richardson Pondweed (P. richardsonii) in Minnesota		.....
		.....
Watermilfoil (Myriophyllum spp.)	10 - 20	.....

In early season where submersed weed growth has not reached the surface, apply this product by pouring directly from the container into the water while moving slowly over the water surface in a back and forth pattern. Distribute evenly over infested areas in strips 40 feet

apart. In mixed weed population, use the high rate of application as indicated by weeds present. Maximum rate is 20 gallons per surface acre foot. In late season or where submersed weed growth has reached the water surface throughout the area to be treated, apply this product 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, pre-reatment with an approved copper sulfate product at recommended rates is advised for best results with this product. Maximum rate is 20 gallons per surface acre foot.

**FLOATING WEEDS:**

<u>Weed Species</u>	<u>Gallons per surface acre</u>
Pennywort (Hydrocotyle umbellata)	5 - 7 1/2
Salvinia (Salvinia rofundifolia)	5 - 7 1/2
Waterhyacinth (Eichhomia crassipes)	5 - 7 1/2
Waterlettuce (Pistia stratiotes)	5 - 7 1/2

Apply 150 to 200 gallons of water plus 1 pint of nonionic surfactant (see recommendations in WEED CONTROL ON LAND section) as an overall spray. Use high rates for late season application.

Duckweed (Lemna spp.) 10

Apply in 50 to 150 gallons of water per acre as an overall spray. Very thoroughly cover all plants on water and on damp marginal areas.

Reinfestation of duckweed occurs readily from untreated areas. Retreatment may be necessary to obtain season long control.

**MARGINAL WEEDS INFESTING THE EDGES AND OTHER PORTIONS OF PONDS, LAKES, DITCHES:**

<u>Weed Species</u>	<u>Gallons Per 100 Gallons Water</u>
Cattails (Typha spp.)	10

For top kill, apply in 100 gallons water plus 1 pint nonionic surfactant. Make full coverage application. Repeat as necessary. For best results, apply before flowering.

ALGAE (Spirogyra spp. and Pithophora spp.): Apply 0.5 to 1.42 ppm by method recommended above for submersed weeds. The 1.42 ppm concentration reflects the maximum rate of 20 gallons per surface acre foot.

**FORMULA FOR PARTS PER MILLION (PPM) RECOMMENDATIONS:**

$$\text{Gallons to use} = \text{ppm recommended} \times \text{acreage of water} \times \text{average depth of water} \times 14$$

Example: 0.5 ppm recommendation  
2 acre pond with average depth 4 feet.

6066

0.5 x 2 x 4 x 14 = 56 gallons required  
SURFACE ACRE: 43,560 sq. ft.  
SURFACE ACRE FOOT: 43,560 sq. ft., 1 ft. deep.

NOTICE OF WARRANTY

Seller makes no warranty, express or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions. Buyer agrees, in purchasing this product, that in the event of damages arising from a breach of the warranty to accept a refund of the purchase price of the product as full discharge of the manufacturer's liability.\*  
\*Subject to applicable contrary laws.

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