

DIQUAT-L WEED KILLER 1/5 LB.

REG. # 2393-458

Dual Purpose: Kills Land and Water Weeds
Nonselective: Kills Weeds on Contact
Nonresidual: Inactivated on Contact with Soil

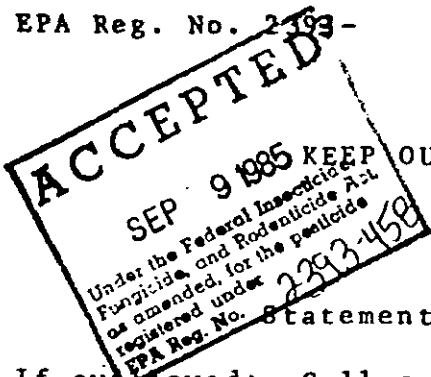
ACTIVE INGREDIENT:

Diquat dibromide [6,7-dihydrodipyrido (1,2-a:2',1'-c)pyrazinedium dibromide]	4.35%
INERT INGREDIENTS:	95.65%
TOTAL	100.00%

Contains 0.2 lbs. diquat cation per gal. as 0.373 lbs salt per gal.

EPA Reg. No. 2393-

EPA Est. No. _____



KEEP OUT OF REACH OF CHILDREN

(12 pt)

WARNING

(18 pt)

Statements of Practical Treatment

(12 pt)

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

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GALLONS

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(SIDE PANEL)

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. Symptoms of injury may be delayed.

Wear suitable eye protection such as goggles, safety glasses with side shields, face shield or equivalent while mixing and handling undiluted material. Wear rubber gloves and rubber apron for handling undiluted material. Do not breathe spray mist in order to avoid nasal, throat and respiratory tract irritation. When spraying or when contacting sprayed vegetation that is wet with spray, dew or rain, wear waterproof footwear and clothing.

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.

ENVIRONMENTAL HAZARDS

Treatment of dense aquatic weeds can result in oxygen demand from decomposition of dead weeds. This 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.

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. Follow applicable Federal, State and local regulations.

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, swimming, spraying, irrigation or domestic purposes within 14 days after treatment.

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.

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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.

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 Substations, 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, Walkways, Patios, Beneath Greenhouse Benches, Along Driveways 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.

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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 (<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

*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 boat. 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.

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-treatment with an approved copper sulfate product at recommended rates is advised for best results with this product.

FLOATING WEEDS:

<u>Weed Species</u>	<u>Gallons Per Surface Acre</u>
Pennywort (<i>Hydrocotyle umbellata</i>)	5 - 7 1/2
Salvinia (<i>Salvinia rofundifolia</i>)	5 - 7 1/2
Waterhyacinth (<i>Eichhornia crassipes</i>)	5 - 7 1/2
Waterlettuce (<i>Pistia stratiotes</i>)	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.

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Reinfestation of duckweed occurs readily from untreated areas. Re-treatment 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 1.5 ppm by method recommended above for submersed weeds.

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

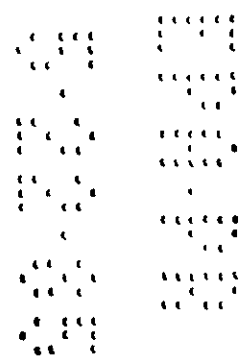
$$0.5 \times 2 \times 4 \times 14 = 56 \text{ gallons required}$$

SURFACE ACRE: 43,560 sq. ft.

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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H O P K I N S

DIQUAT-L WEED KILLER 1/5 LB.

SUPPLEMENTAL LABELING

ACCEPTED
 SEP 9 1985
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under EPA Reg. No. 2393-458

ACTIVE INGREDIENT:
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SEE CONTAINER LABEL FOR ADDITIONAL PRECAUTIONARY AND STORAGE AND DISPOSAL STATEMENTS

AQUATIC WEED CONTROL USE DIRECTIONS

For application to ponds, lakes, reservoirs, marshes, bayous, drainage ditches, canals, streams, and rivers which are slowmoving or quiescent only by the Corps of Engineers or other Federal or State Public Agencies, or contractors or licensees under their direct control.

Do not use the treated water for animal consumption, spraying, irrigation, or domestic purposes for 14 days after treatment, or until such time as an approved assay (example: PAM II Spectrometric Method) shows that the water does not contain more than 0.01 part per million of diquat dibromide (calculated as the cation).

No applications are to be made in areas where commercial fish processing, resulting in the production of fish protein concentrate or fish meal, is practiced. Before application, coordination and approval of local and/or state authorities must be obtained.

Aquatic Directions Cont. next page

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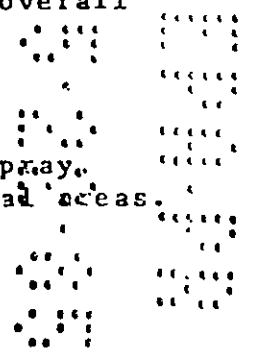
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*Subject to applicable contrary laws.

