

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 10182-353 DATE OF ISSUANCE 10 AUG 1992 TERM OF ISSUANCE Conditional NAME OF PESTICIDE PRODUCT Diquat Herbicide
NAME AND ADDRESS OF REGISTRANT (Include ZIP code) ICI Americas Inc. Agricultural Products Deleware Corporate Center 2 Wilmington, DE 19897	
NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.	
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none">1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.2. Make the labeling changes listed below before you release the product for shipment:<ol style="list-style-type: none">a. Add the phrase "EPA Registration No. 10182-353."b. Add the appropriate EPA Establishment Number to the front panel.c. Add the statement "Not For Homeowner Use" to the front panel.d. Change the wording "...at least 16 fl. oz. of a 75% non-ionic spreader..." to read "...8 - 16 fl. oz. of a 75% non-ionic spreader..." in the following sections:<ol style="list-style-type: none">i. The directions for Non-Crop or Non-Planted Areas.ii. The directions for Potatoes (Eastern and Western). <p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>	
SIGNATURE OF APPROVING OFFICIAL	DATE

e. Delete the words "at least" from the statement "...at least 16 fl. oz. of a non-ionic spreader..." from all sections in the Aquatic Use Directions where such wording occurs.

f. Within the Storage and Disposal block, add the statement "Open dumping is prohibited" under the Prohibitions section.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy is enclosed for your records.

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosures

CONCURRENCES							
SYMBOL	H7505C						
SURNAME	D. KENNY						
DATE	8/6/92						

Diquat Herbicide

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

DO NOT USE THIS PRODUCT FOR REFORMULATION

ACTIVE INGREDIENT:

Diquat dibromide [6,7-dihydrodipyrido (1,2-a:2',1'-c)
pyrazinediium dibromide] 35.3%

INERT INGREDIENTS 64.7%
TOTAL 100.0%

Contains 2 lbs. diquat cation per gal. as 3.73 lbs. salt per gal.

EPA REG. NO. 10182-

GAL (___ LITERS)

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto has que la etiqueta la haya sido explicada ampliamente.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

ICI Agricultural Products
ICI Americas Inc.
Wilmington, DE 19897

~~CONFIDENTIAL~~
EPA Center

10 AUG 1992

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the purpose of
registered under EPA Reg. 162.104

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 soap and water. Remove and wash all contaminated clothing with soap and hot water before reuse. See a doctor if diquat contacts a skin cut, abrasion or area of irritation.

IF IN EYES: IMMEDIATELY wash eyes with water for at least 15 minutes and get medical attention.

IF INHALED: IMMEDIATELY get away from spray mist. Stop and check spray procedure. See a doctor if irritation persists.

NOTE TO PHYSICIANS: Call ICI Americas 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.

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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING

May be fatal if swallowed, inhaled or absorbed through skin. Causes substantial, but temporary, eye injury. Causes skin irritation. Contact with irritated skin, or a cut, or repeated contact with intact skin may result in poisoning. Do not get in eyes or on skin or clothing. Do not breathe spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse. Wear a protective suit, chemical resistant gloves and chemical resistant footwear when handling the product (mixing, loading, application [except aquatic subsurface applications], flagging, or disposal). A chemical resistant apron and face shield, or goggles, must also be worn when handling the concentrate. A protective suit consists of one or two pieces, such as coveralls, worn over work clothing to cover the entire body except head, hands and feet. Do not feed forage from treated crops to livestock. Keep livestock and pets out of treated fields and crop areas.

WORKER SAFETY RULES: Keep all unprotected persons and children away from treated area or where there may be drift. Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get medical help right away (See Practical Treatment Section).

ENVIRONMENTAL HAZARDS (AQUATIC AND NONAQUATIC USES)

This pesticide is toxic to wildlife. Do not apply directly to water except as specified on this label. For Nonaquatic Use, do not apply directly to water, 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. Do not use treated water for animal consumption, spraying or irrigation within 14 days after treatment. Do not use treated water for drinking purposes until 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. 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.

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.

REENTRY STATEMENT

Keep all unprotected persons out of operating areas or vicinity where there may be drift.

For terrestrial uses, do not enter or allow entry of agricultural or maintenance workers into treated areas, or allow contact with treated vegetation wet with spray, dew or rain, without appropriate protective clothing until spray has dried. Treated soybean fields may not be entered within 24 hours of treatment unless protective clothing is worn.

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). Treated soybean fields may not be entered within 24 hours of treatment unless protective clothing is worn. If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label).

DIRECTIONS

Diquat Herbicide is a nonvolatile herbicidal chemical for use in the desiccation of certain plants in preharvest application in order to facilitate both mechanical and hand harvesting. It is also

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. Do not use on lawns. 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 Herbicide will be inactivated.

Do not apply this product through any type of irrigation system.

NONCROP OR NONPLANTED 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 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 -- 1 to 2 qts. plus ~~at least~~ 16 oz. of a 75% nonionic spreader per 100 gals. water (4 teaspoonfuls Diquat Herbicide plus 1 teaspoonful of a 75% nonionic spreader 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.

ALFALFA, CLOVER, GRAIN SORGHUM, SOYBEANS (Seed Crops Only): 1½ to 2 pts. per acre. On Thin Stands of Seed Alfalfa -- 1 pt. per are. Preharvest Desiccation of Foliage of Listed Crops -- Use specified dosage in 15 to 30 gals. water by ground spray application and 5 to 10 gals. water by air. On Alfalfa and Clover, desiccation is complete in 3 to 10 days. On Grain Sorghum, apply within 1 to 2 weeks of harvest and when seeds have not more than 30% moisture. On Soybeans, apply 1 week before harvest. Do not graze or feed treated forage to livestock. Do not use seed from treated plants for food, feed or oil purposes.

POTATOES (Eastern): For Desiccation of Potato Plants to Facilitate Harvest -- Apply 1 pt per acre in 20 to 100 gals. of water with ground equipment or in 5 to 10 gals. with aerial equipment. Use higher volumes (40 to 100 gals.) for thorough coverage of heavy vine growth or when hollow cone type nozzles are used. Make a second application if necessary to obtain additional desiccation where vine growth is dense. Allow a minimum of 5 days between applications. Do not apply to drought stressed potatoes. Applications should be made at least 7 days before harvest. Add a 75% nonionic spreader of ~~at least~~ 16 fl. oz. per 100 gals. of spray mix.

POTATOES (Western): For Desiccation of Potato Plants to Facilitate Harvest -- Apply 1 pt. per acre in 20 to 100 gals. of water with ground equipment or in 5 to 10 gals. with aerial equipment. Use sufficient water for thorough coverage. Make a second application if necessary to obtain additional desiccation where vine growth is dense. Allow a minimum of 5 days between applications. Do not apply to drought stressed potatoes. Applications should be made at least 7 days before harvest. Add a 75% nonionic spreader at a rate of ~~at least~~ 16 fl. oz. per 100 gals of spray mix.

REGIONAL USE MAP

AQUATIC USE DIRECTIONS

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.

WEED SPECIES

GALS/SURFACE ACRE

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

Bladderwort (<i>Utricularia</i> spp.)	1-2
Coontail (<i>Ceratophyllum demersum</i>)	2
Elodea (<i>Elodea</i> spp.)	2
Naiad (<i>Najas</i> spp.)	1
Pondweeds (<i>Potamogeton</i> spp.)*	2
Watermilfoil (<i>Myriophyllum</i> spp.)	1-2

*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 Herbicide 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. For waters less than 2 feet in average depth, use a maximum of 1 gal. Diquat Herbicide per surface acre.

In late season or where submersed weed growth has reached the water surface throughout the area to be treated, apply Diquat Herbicide by pouring as above or injecting a diluted (10-20 to 1) solution 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 Sulfate at recommended rates is advised for best results with Diquat Herbicide.

FLOATING WEEDS

GALS/SURFACE ACRE

Pennywort (<i>Hydrocotyle umbellata</i>)	½ - ¾
Salvinia (<i>Salvinia rotundifolia</i>)	½ - ¾
Waterhyacinth (<i>Eichhornia crassipes</i>)	½ - ¾
Waterlettuce (<i>Pistia Stratiotes</i>)	½ - ¾

APPLICATION: 150 to 200 gals. of water plus ~~at least~~ 16 oz. of a 75% nonionic spreader should be applied as an overall spray for control of the above weeds. For aerial application to Waterlettuce, use 7.5 gals. of water per acre plus ~~at least~~ 16 oz. of a 75% nonionic spreader per 100 gals. spray solution. The high rates of Diquat Herbicide should be used for late season application.

GALS/SURFACE ACRE

) Duckweed (*Lemna* spp.)

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APPLICATION: For control, apply Diquat Herbicide as an overall spray in 50 to 150 gals. of water plus ~~at least~~ 16 oz. of a 75% nonionic spreader 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 Herbicide may be necessary to obtain season-long control.

WEED SPECIES

GALS/100 GALS WATER

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

) Cattails (*Typha* spp.)

1.0

) **APPLICATION:** For top kill, apply Diquat Herbicide in 100 gals. water, at a rate not to exceed 100 gals. per acre, plus ~~at least~~ 16 oz. of a 75% nonionic spreader for full coverage and thorough weed contact. Repeat treatment as necessary to control regrowth. For best results, apply before flowering.

ALGAE: Diquat Herbicide will control certain filamentous algae. For *Spirogyra* spp. and *Pithophora* spp.: Apply 1 to 2 gals. per surface acre. For water less than 2 feet in average depth, use a maximum of 1 gal. Diquat Herbicide per surface acre. Application methods as for submersed weeds.

Formula for Parts Per Million (PPM) Recommendations

Gals. to use = ppm recommended x acreage of water x average depth of water x 1.4. For example -- ½ ppm recommendations; two acre pond; 4 feet average depth; ½ x 2 x 4 x 1.4 = 5.6 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.

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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: Triple rinse (or equivalent). Do not reuse container. Incinerate, burn, or puncture and dispose of in a sanitary landfill, or dispose of by other procedures allowed by State and local authorities. If burned, stay out of smoke.

FOR BULK AND MINI-BULK CONTAINERS:

CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices.

REFILL ONLY WITH DIQUAT HERBICIDE. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than Diquat Herbicide will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER!

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.