

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PM 28 10182-353

PS 18 95

FEB 25 1994

Drew Davidson
Zeneca Ag Products
1800 Concord Pike
Wilmington, DE 19897

Dear Mr. Davidson:

Subject: Supplemental Labeling - Aquatic Uses in Florida
Diquat Herbicide
EPA Registration No. 10182-353
Your Submission Dated November 4, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

1) It must be specified that aquatic applications are allowed only by the Corps of Engineers or other Federal or State Public Agencies, or contractors or licensees under their direct control.

2) Please note that, on the condition that this supplemental labeling is labeled for and marketed in the state of Florida only, the reference to Richardson Pondweed (P. richardsonii) in Minnesota may be deleted.

A stamped copy is enclosed for your records. Please submit five (5) final printed copies for the referenced label, incorporating the above changes, before releasing the product for shipment.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

CONCURRENCES

SYMBOL	7505C						
SURNAME	D. KENNY						
DATE	2/24/94						

ZENECA

ZENECA Ag Products

PO Box 751
Wilmington
Delaware 19897

Telephone (302) 886-1000

SUPPLEMENTAL LABEL FOR AQUATIC USES IN FLORIDA

Diquat Herbicide

EPA Reg. No. 10182-353

28 25
**ACCEPTED
with COMMENTS
in EPA Letter Dated**

FEB 25 1994

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-353

DIRECTIONS FOR USE

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

FLORIDA AQUATIC USE DIRECTIONS

For application only to farm ponds, farm lakes, and drainage ditches around farms 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.

For use only by Certified Applicators for aquatic herbicide applications. Contact your local office of the Department of Environmental Protection, Bureau of Aquatic Plant Management to determine if a permit is required for a specific use.

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.

- OVER -



A business unit of ZENECA Inc.
a member of the ICI Group

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] 36.4%

INERT INGREDIENTS 63.6%

TOTAL 100.0%

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

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

EPA REG. NO.: 10182-353

FEB 25 1994

Net Contents:

EPA EST. NO.:

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-353

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

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

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Made in U.S.A.
ZENECA Ag Products
ZENECA Inc.
Wilmington, DE 19897

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: IMMEDIATELY give water or milk to drink and induce vomiting by inserting finger in throat. ~~Do not induce vomiting or give anything by mouth to an unconscious person.~~ 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 THE 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 on clothing. ~~Do not~~ Avoid breathing 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],

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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 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. ~~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 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 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.~~

Necessary approval and/or Permits should be obtained if required. Consult the responsible State Agencies (i.e., Fish and Game agencies or Department of Natural Resources) before making applications to public waters.

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**CONDITIONS OF SALE
AND LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. 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 manner or use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

ZENECA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. 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 or ZENECA and Buyer and User assume the risk of any such use. ZENECA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall ZENECA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ZENECA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ZENECA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

ZENECA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty of liability, which may not be modified except by written agreement signed by a duly authorized representative of ZENECA.

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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.

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

Refer to label booklet attached to container for complete Directions for Use.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

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.

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Do not refill or transport damaged or leaking container.

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

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).

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Diquat Herbicide

COMPLETE DIRECTIONS FOR USE

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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The Directions for Use of this product should be followed carefully. 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 manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

ZENECA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. 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 or ZENECA and Buyer and User assume the risk of any such use. ZENECA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall ZENECA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ZENECA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ZENECA OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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ZENECA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty of liability, which may not be modified except by written agreement signed by a duly authorized representative of ZENECA.

Made in U.S.A.
ZENECA Ag Products
ZENECA Inc.
Wilmington, DE 19897

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**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

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

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

ACTIVE INGREDIENT:

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

pyrazinediium dibromide] 36.4%

INERT INGREDIENTS 63.6%

TOTAL 100.0%

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

EPA REG. NO.: 10182-353

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

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

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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.

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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 **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. ~~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 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 dense weed areas at a time and wait 14 days between

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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 & debris. Consult your State Fish and Game Agencies before applying this product to public waters.~~

~~Necessary approval and/or Permits should be obtained if required. Consult the responsible State Agencies (i.e., Fish and Game agencies or Department of Natural Resources) before making applications to public waters.~~

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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.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

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: ~~Pesticide wastes are toxic. 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.

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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!

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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.

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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. Diquat Herbicide is also recommended for use as a general herbicide to control weeds in noncrop weed-killer and as an aquatic areas weed-killer. Absorption and herbicidal action is usually quite rapid with effects visible in a few days. Diquat Herbicide controls weeds by interfering with photosynthesis within green plant tissue. Weed plants should be succulent and actively growing for best results. Do not use on lawns. Rinse all spray equipment thoroughly with water after use. AVOID SPRAY DRIFT to crops, ornamentals and other desirable plants which may be damaged during application as injury may result. Always add a 75% nonionic spreader. Application to muddy water may result in reduced control. Minimize

creating muddy water during application. Use of dirty or muddy water for Diquat dilution may result in reduced herbicidal activity. Avoid applying under conditions of high wind and wave action. 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 AROUND FARMS: Fence lines, Farmyards, Farm Buildings, Fuel Storage Areas, Rights-of-Way, Barrier Strips, Equipment Areas, and Nonflooded Portions of Ponds, Lakes and Ditches around Farms --

OR

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 on or Around Golf Courses. To Kill Undesirable Above-Ground Grass and Broadleaf Weed Growth --

1 to 2 qts. plus 8 - 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.

DORMANT ESTABLISHED BERMUDAGRASS (Nonfood or Feed Crop)

For suppression of emerged annual broadleaf and grass weeds, including Little Barley*, Annual Bluegrass, Bromes including Fescuegrass, Sowgrass, Fescue, Henbit, Buttercup, and Carolina Geranium in established dormant bermudagrass lawns, parks, golf courses, etc.

Apply 1 to 2 pts. Diquat per acre in 20 to 100 gallons spray mix by ground as a broadcast application. Add 16-32 oz. of a nonionic surfactant per 100 gallons spray mixture.

Bermudagrass must be dormant at application. Application to actively growing bermudagrass may cause delay or permanent injury. Users in the extreme Southern areas should be attentive to the extent of dormancy at the time of application.

*For control of Little Barley, apply Diquat prior to the mid-boot stage.

ALFALFA, CLOVER, GRAIN SORGHUM, SOYBEANS (Seed Crops Only): 1½ to 2 pts. per acre. On Thin Stands of Seed Alfalfa -- 1 pt. per acre. 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.

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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 8 - 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 8 - 16 fl. oz. per 100 gals of spray mix.

REGIONAL USE MAP

AQUATIC USE DIRECTIONS

(U.S., except Florida)

For application only to farm ponds, farm lakes, and drainage ditches around farms 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.~~

(Florida)

For application only to farm ponds, farm lakes, and drainage ditches around farms where there is little or no outflow of water and which are totally under the control of the product's user.

For use only by Certified Applicators for aquatic herbicide applications. Contact your local office of the Department of Environmental Protection, Bureau of Aquatic Plant Management to determine if a permit is required for a specific use.

OR

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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.

OR

For application to ponds, lakes, reservoirs, marshes, bayous, drainage ditches, canals, streams, rivers and other slow moving or quiescent bodies of water for control of aquatic weeds.

Necessary approval and/or Permits should be obtained if required. Consult the responsible State Agencies (i.e., Fish and Game agencies or Department of Natural Resources) before making applications.

Treated water may be used according to the following table or until such time as an approved assay (example: PAM II Spectromatic Method) shows that the water does not contain more than 0.01 part per million of diquat dibromide (calculated as the cation):

**WATER USE RESTRICTIONS FOLLOWING APPLICATIONS
WITH DIQUAT HERBICIDE (Days)**

Application Rate**	Drinking	Swimming	Livestock Consumption	Irrigation Turf/ Nonfood Crop	Irrigation Food Crops
2 gal./surface acre	14 days	1 day	14 days	5 days	14 days
1 gal./surface acre	14 days	1 day	14 days	5 days	14 days
0.75 gal./surface acre	14 days	1 day	14 days	5 day	14 days
0.50 gal./surface acre	14 days	1 day	14 days	5 day	14 days
Spot Spray* (< 0.5 gal./surface acre)	14 days	1 day	14 days	5 day	14 days

* Rates refer to total surface area for spot spray.

** For water with an average depth less than 2 feet, use no more than 1 gal./surface acre.

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.

Apply Diquat Herbicide in accordance with the following table:

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WEED SPECIES	SUBSURFACE OR BOTTOM PLACEMENT GALS/SURFACE ACRE	SURFACE GALS/SURFACE ACRE
Bladderwort (<i>Utricularia</i> spp.)	1-2	2
Coontail (<i>Ceratophyllum demersum</i>)	2	2
Elodea (<i>Elodea</i> spp.)	2	2
Najas (<i>Najas</i> spp.)	1-2	2
Pondweeds ¹ (<i>Potamogeton</i> spp.) [*]	2	2
Watermilfoils (<i>Myriophyllum</i> spp.)	1-2	2
Hydrilla (<i>Hydrilla verticillata</i>)	2	2
Waterlettuce ² (<i>Pistia Stratiotes</i>)	NA	0.5 - 0.75
Waterhyacinth ² (<i>Eichhornia crassipes</i>)	NA	0.5 - 0.75
Pennywort ³ (<i>Hydrocotyle</i> spp.)	NA	0.5 - 0.75
Salvinia ² (<i>Salvinia</i> spp.)	NA	0.5 - 0.75
Duckweed ⁴ (<i>Lemna</i> spp.)	NA	1
Cattails ⁵ (<i>Typh.</i> spp.)	NA	1-2
Algae ⁶ (<i>Spirogyra</i> spp. & <i>Pithophora</i> spp.)	1-2	2

¹ Except *P. robbinsii*.

² For salvinia, waterlettuce and water hyacinth, use the labeled rate of Diquat in 150 gallons water plus 1 pt. of 75% nonionic surfactant per acre for surface sprays and for aerial application for waterlettuce and water hyacinth control, apply the labeled rate of Diquat in 10 to 24 gallons water plus 1 qt. of 75% nonionic surfactant per acre.

³ For Pennywort and coontail control, apply in 100 gallons of water plus 1 pt. 75% nonionic surfactant per acre for full coverage and thorough weed contact. Repeat treatments may be necessary to control regrowth. For best results, apply before flowering (cattail).

⁴ For duckweed control, apply as an overall spray in 50-150 gallons of water plus 1 pt. 75% nonionic surfactant per acre. Retreatment may be necessary for plants missed in previous applications and regrowth.

⁵ For suppression of certain filamentous algae species including *Spirogyra* and *Pithophora*, apply according to the submerged use directions. For water less than 2 feet in average depth, use a maximum of 1 gallon Diquat Herbicide per surface acre.

APPLICATION: In mixed weed populations, use the high rate of application as indicated by weeds present.

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SUBSURFACE APPLICATIONS: Where the submersed weed growth, especially Hydrilla, has reached the water surface, apply either in a water carrier or an invert emulsion through a boom trailing hoses carrying nozzle tips to apply the dilute spray below the water surface to insure adequate coverage.

BOTTOM PLACEMENT: Where the submersed weeds, especially Hydrilla, Bladderwort, and Coontail growth have reached the water surface or where water is slowly moving through the submersed weed growth that has reached the water surface, especially Hydrilla, Bladderwort, and Coontail, control may be enhanced when applied in an invert emulsion carrier injecting diluted Diquat near the bottom with weighted hoses. The addition of a copper herbicide will improve control. Where algae are present along with the submersed weeds, pretreatment with copper sulphate at recommended rates is advised for best results with Diquat Herbicide.

SURFACE APPLICATION: Apply Diquat either as concentrate slowly poured directly from the container in strips or as a spray in sufficient carrier. Applications should be made to ensure complete coverage of the weed areas. In mixed weed populations, 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 gallon Diquat Herbicide per surface acre.

WEED SPECIES _____ GALS/SURFACE ACRE

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

Bladderwort (<i>Utricularia</i> spp.) _____	1-2
Coontail (<i>Coratophyllum 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 dilute (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 Sulphate at recommended rates is advised for best results with Diquat Herbicide.

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FLOATING WEEDS	GALS/SURFACE ACRE
Pennywort (<i>Hydrocotyle umbellata</i>)	$\frac{1}{2}$ - $\frac{3}{4}$
Salvinia (<i>Salvinia rotundifolia</i>)	$\frac{1}{2}$ - $\frac{3}{4}$
Waterhyacinth (<i>Eichhornia crassipes</i>)	$\frac{1}{2}$ - $\frac{3}{4}$
Waterlettuce (<i>Pistia Stratiotes</i>)	$\frac{1}{2}$ - $\frac{3}{4}$

APPLICATION: 150 to 200 gals. of water plus 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 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 (<i>Lemna</i> spp.)	1

APPLICATION: For control, apply Diquat Herbicide as an overall spray in 50 to 150 gals. of water plus 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 (<i>Typha</i> 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 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 — $\frac{1}{2}$ ppm recommendations; two acre pond; 4 feet average depth; $\frac{1}{2} \times 2 \times 4 \times 1.4 = 5.6$ 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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SUPPLEMENTAL LABELING

REWARD® Aquatic and Noncrop Herbicide

FOR USE BY THE CORPS OF ENGINEERS OR OTHER FEDERAL OR STATE PUBLIC AGENCIES, OR CONTRACTORS OR LICENSEES UNDER THEIR DIRECT CONTROL

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	<u>64.7%</u>
TOTAL	100.0%

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

EPA REG. NO. 10182-353

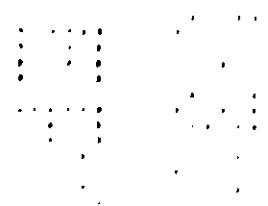
KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

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

REFER TO CONTAINER LABEL FOR PRECAUTIONARY AND STORAGE AND DISPOSAL INFORMATION

Made in U.S.A.
ICI Professional Products
ICI Americas Inc.
Wilmington, DE 19897



AQUATIC USE DIRECTIONS

For application to ponds, lakes, reservoirs, marshes, bayous, drainage ditches, canals, streams, and rivers which are slow moving 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 Spectromatic 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.

WEED SPECIES

GALS/SURFACE ACRE

Submersed Weeds:

Bladderwort (Utricularia spp.)	1-2
Coontail (Ceratophyllum demersum)	2
Elodea (Elodea spp.)	2
Naiad (Najas spp.)	1
Pondweeds (Potamogeton spp.)*	2
Watermilfoil (Myriophyllum 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 REWARD® Aquatic and Noncrop 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. REWARD Aquatic and Noncrop Herbicide per surface acre.

In late season or where submersed weed growth has reached the water surface throughout the area to be treated, apply REWARD Aquatic and Noncrop 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 Sulphate at recommended rates is advised for best results with REWARD Aquatic and Noncrop Herbicide.

FLOATING WEEDS

GALS/SURFACE ACRE

Pennywort (Hydrocotyle umbellata)	1/2 - 3/4
Salvinia (Salvinia rotundifolia)	1/2 - 3/4
Waterhyacinth (Eichhornia crassipes)	1/2 - 3/4
Waterlettuce (Pistia Stratiotes)	1/2 - 3/4

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	GALS/SURFACE ACRE
Duckweed (<i>Lemna</i> spp.)	1

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WEED SPECIES	GALS/100 GALS WATER
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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; $\frac{1}{2} \times 2 \times 4 \times 1.4 = 5.6$ gals. required.

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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.

REWARD® is a trademark of an ICI Group Company

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