

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

PM 23 10182-354

10/21/98

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Andrew A. Davidson  
 Zeneca Ag Products  
 P.O. Box 15458  
 Wilmington, DE 19850-5458

OCT 21 1998

Dear Mr. Davidson:

Subject: Revised Labeling - Revised Ingredient Statement  
 Diquat Concentrate  
 EPA Registration No. 10182-354  
 Your Submission Dated June 22, 1998

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:

The following revisions are required as a result of additional reviews conducted during reregistration efforts for this product. Please make the following changes to the Precautionary Statements:

- 1) Revise the statement currently reading "May be fatal if swallowed, inhaled or absorbed through skin" to read "May be fatal if swallowed or absorbed through skin." Then add an additional statement to read "Harmful if inhaled."
- 2) Add the statement "Avoid breathing vapor."

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

Sincerely yours,

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

Enclosure

DK: 305-7546 HB/PM23

CONCURRENCES

SYMBOL	SURNAME	DATE						
7505C	D. KENNY	10/21/98						

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**Diquat Concentrate**

**A HERBICIDE FOR FORMULATING USE ONLY**

THIS PRODUCT IS FOR USE IN THE FURTHER PREPARATION OF HERBICIDE PRODUCTS. CONTACT ZENECA AG PRODUCTS FOR SPECIFIC FORMULATING INFORMATION. DO NOT USE FOR ANY OTHER PURPOSES. Products formulated with Diquat Concentrate will require registration with the Environmental Protection Agency.

**ACTIVE INGREDIENT:**

Diquat dibromide [6,7-dihydrodipyrido (1,2-a:2',1'-c) pyrazinediium dibromide] .....	37.45	41.1%
<b>INERT INGREDIENTS</b> .....	<u>62.55</u>	<u>58.9%</u>
<b>TOTAL</b>		100.0%

~~Contains 2.08 lbs. diquat cation per gal. as 3.88 lbs. salt per gal.~~

EPA Reg. No. 10182-354  
EPA Est. No.

Net Contents

**KEEP OUT OF REACH OF CHILDREN**

**WARNING - AVISO**

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

**DO NOT INHALE. DO NOT GET ON SKIN**

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

**TRANSPORTED IN BULK**

ZENECA Ag Products  
ZENECA Inc.  
Wilmington, DE 49897 19850-5458

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

OCT 21 1998

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
10182-354

385

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

**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. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse. Wear face shield or goggles; protective clothing; rubber gloves, rubber apron and shoe coverings impermeable to diquat when handling concentrate.

#### ENVIRONMENTAL HAZARDS (AQUATIC AND NONAQUATIC USES)

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## INSTRUCTIONS FOR FORMULATION

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.**

### DIRECTIONS FOR USE

**Only for Formulation Into Herbicide Products Intended for:**

**(1) The Following Use(s):**

**Terrestrial Food Uses On:** Potato Harvest Aid:

**Terrestrial Uses On:** Seed Crops (Alfalfa, Clover, Grain Sorghum, Soybeans), Nonbearing Grapes; 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; Rights-of-way, including Railroads, Highways, Roads, Dividers and Medians, Pipelines, Public Utility Lines, 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. Turf Renovation (all Turf Areas Except Commercial Sod Farms), Dormant Established Bermudagrass (nonfood or Feed Crop)

**Aquatic, NonFood Uses On:** Ponds, Lakes and Drainage Ditches where there is little or not outflow of water. Also Ponds, Lakes, Reservoirs, Marshes, Bayous, Drainage Ditches, Canals, Streams, Rivers and other slow moving or quiescent bodies of water.

**(2) Uses for Which USEPA Has Accepted The Required Data And/Or Citations of Data That The Formulator Has Submitted In Support of Registration; and**

**(3) Uses for Experimental Purposes That Are In Compliance with USEPA Requirements.**

### 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. Store at temperature above 32°F. Do not store or transport near feed or food. Do not store near fertilizers, seeds, insecticides or fungicides. 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.

**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.

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

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**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.

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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.