00T #4 1004

Ar. Richard A. Zimmerman Valent U.S.A. Corporation 1330 M. Calir. Blvd. Suite 600 Walnut Creek, CA. 94596-8025



beat Br. Limmerman;

Subject: Diquat hater ween killer EPA Registration no 62499-4

Re: Lovel Amenament

Your Letter Gaten September 10, 1991

Please refer to our letter bated September 9, 1991 for the tollowing changes dade to your label. The labeling referred to above submitted in connection with registration under the Federal Insecticide. Fungicide and Rodenticine Act. as amended is acceptable, provided the proposed changes are made. Also add to your label at the end of copy C. For soybeans donot enter treated areas without appropriate protective clothing within 24 nears after treatment. Please submit (a) copies of your finely printed labels incorporating this amendment. A stamped copy is enclosed for your record.

Sincerely

Joanne 1. Miller Product Manayer (23) Fungicide-Herbicine branch Registration Division (H7505)

Enclosure

CONCURRENCES									
SYMBOL	History					.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
BURNAME	No fresh	A			}				
DATE	15/1/20								
EPA Form	1376-1 (12-70)							AL FILE COP	

48.A. (20) 1985-467-553

ORTHO Diquat Water Weed Killer Submitted: Sept. 10, 1991 EPA Reg. No. 63499-4

Copy A:

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.

Copy B:

For terrestrial uses, do not 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.

Copy C:

Do not entered 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). For Sombean do not inter treated areas without appropriate protective Clothing within 24 hours after treatment.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

* K* 4

OCT 44 1981

Under the Federal Insecticità, Funçacide de la code Act as amonuse de pendicide registeral agrico de Act, Na. BEST AVAILABLE COPY

Helping the World Grow Better®



Diquat **Water Weed Killer**

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

Active Ingredient By W	٧.
Diquat dibromide (6, 7-dihydrodipyrido (1,2-a;2',1'-c)	
pyrozinedium dibromide) 35,31	K,
Inert Ingredients 64.79	4
Contains 2 lbs. diquat cation per gal. as 3,73 lbs. salt per gal.	
Not For Homeowner Use.	

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto liasta que la etiqueta le haya sido explicada ampliamente.

DO NOT USE THIS PRODUCT FOR REFORMULATION.

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Manufactured for Chevren Chemical Compery 17 1989 Agricultural Chemicals Division San Ramon CA 94583-0947 R Form 7843 82 Product 1000 2 Made in U.S.A. EPA Res No 62499 4 AA EPA Est 23h MO (

NET CONTENTS 55 GALLONS

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS WARNING

May be tatal if swallowed, inhated or absorbed through skin. Causes substantial but temporary eye injury. Causes skin unitation. 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 ciothing. Do not breathe spray mist. Wash thoroughly with soap and water after handling and before setting, drinking, or using to bacco Remove contaminated clothing and wash before reuse. West face shield or gaggles; protective clothing; rubber gloves, rubber spron and sing coverings imperinceble is digest when handling concentrate. When spraying weer waterproof footweer and clothing, rencept when using aquatic subsurface application methods. Do not feed forage from treated crops to livestock. Reep livestock and pets out of treated fields and crep areas

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED; MINIEDIATELY give water or milk to drink and in duce vomiting by insurting finger in threat. Take person and product container to the nearest heapital or physician fast. PROMPT TREATMENT IS ESSENTIAL TO COUNTERACT POISONING and should

be initiated before signs and symptoms of injury appear. Note to Physicians: call the Chevron Poison Information Center (415) 233-3737 of any hour to obtain toxicology information and a diquat analysis. To be effective, troetment for diquet poisoning must begin IMMEDIATELY. Treatment consists of binding diquet in the gut with suspensions of activated charcoal or bentonite clay, administration of cethertics to enhance elimination, and removal of diquet from the blood by charcoal hemoperfusion or continuous hemodialysis

SKIN CONTACT: IMMEDIATELY wesh with soap and water. Remove and wash all contaminated clothing with soap and het water be-fore reuse. See a doctor if diquat contacts a skin cut, abrasion or area of critation

EYE CONTACT: IMMEDIATELY wash eyes with water for at least 15

minutes and get medical attention.
INNALATION: IMMEDIATELY get away from spray mist. Stop and check spray procedure. See a doctor if irritation persists

WORKER SAFETY RULES

Reep 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 sich in any way, STOP work and get he' right away (See Practical Treatment Section).

ENVIRONMENTAL HAZARDS (AQUATIC AND NON-AQUATIC USES)

This pesticide is toxic to wildlife. Do not apply directly to water except as specified on this label. For Non-Aquatic Use do not apply directly to water or wetlands (smemps, bogs, marshes and potholes). Do not contaminate water when disposing of equipment washwaters. Do not use treated water for animal consumption. surraying or irrigation within 14 days after treatment. Do not use treated water for drinking purposes until 14 days after treatment creatment of dense wood proce can result in oxygen loss from de composition of deed weeds. This loss can cause fish sufficiation. Therefore treat only 15 to 15 of the dense weed areas at a time and wait 14 days between treetments, DO NOT APPLY TO MUDDY WATER Avoid creating muddy water during application. Do not apply under conditions of high wind and we've action. Do not apply where plants are covered with mud deposits. Conquit your State Fish and tiams Agencies before applying this product to public waters.

DIRECTIONS FOR USE

if it a violation of Federal Law in use this product in a manner incon siglent with its labeling

READ ENTIRE LABEL. USE STRICTLY IN ACCOMMANCE WITH PRE-CAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.



BEST AVAILABLE COPY

REENTRY STATEMENT

keep all unprotected persons out of operating areas or vicinity where here may be drift.

For terrestrial uses do not enter or allow entry of agricultural or main renance personnel into treated areas within 24 hours after trestment uniess protective ciothing is worn. When contacting sprayed vegetation net with spray dew or rain, wear waterproof footwear and clothing for aquatic uses do not enter treated areas while treatments are in ZES18016

Do not allow summing 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 anderstood by workers.

Ahen oral warnings are given warnings shall be given in a language estamarily understood by workers and must indicate the specific period of time that treated areas may not be entered without protective cloth ng Oral warnings must also include appropriate first aid instructions a case of accidental exposure. These instructions are given in the TATEMENT OF PRACTICAL TREATMENT at the beginning of this label written warnings must include the following information. WARNING Area treated with ORTHO Diquat Water Weed Killer on (date of applica tion) Do not enter treated areas without appropriate protective cloth ing within 24 hours after treatment (or other reentry interval if your State has a more restrictive interval for this product). If accidental ex-(Written warnings must posure occurs, follow the instructions below." include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label).

-RECTIONS

ORTHO Diquat Water Weed Killer is a non volatile 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 equatic 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 dam aged during application. Use ORTHO X 77 Spreader (non-ionic) ORTHO x 77 Spreader is recommended, but a similar and suitable labeled non innic surfactant may be substituted. Do not use dirty or muddy water for Diquat dilution as Diquat will be inactivated.

Do not apply this product through any type of irrigation system NON-CROP OR NON-PLANTED AREAS: Rights-Of-Way, Including Rel Highways, Roods, 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, Fonce Lines and Parkways, Edges and Non-Flooded Portions of Ponds, Lakes and Ditches. Also Around Ornemental Gardens. Walkways, Potios, Beneath Greenhouse Benches, Along Driveways and Around Gelf Courses. To Kill Undesirable Above Ground Grass and Breedland Weed Growth-1 to 7 gts plus 8 to 16 az ORTHO X 77 Spreader (non-ionic) per 100 gals water (4 tsp. ORTHO Diquat Water Weed Killer plus 1; tsp. ORTHO X 77 Spreader (non-ionic) 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, SOVBEARS (Seed Crops Only): 11;

to 2 pts per acre On thin Stands of Soed Affalfa - 1 pt per acre Freharvest Desiccation of Foliage of Listed Crops-II-w specified dosage m 15 to 10 gals, mater by ground spray application and 5 to 10 gals nater by air. On Atlatta and clover desirration is complete in 1 to 10 days. On Grain Korghum, apply within 1 to 2 weeks of harvest and when seeds have not more than 30% moisture. On Soybeans, apply I week before nament 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 Potate Plants to Facilitate Har vest-Apply 1 pt per acre in 70 to 100 gais of water with ground equip ment or in 5 to 10 gain with series equipment. Use higher volumen (\$0 to) to gain) for thereugh coverage of heavy sine growth or when in ones type norries are used. Make a second application if necessary to obtain additional desiccation where i he growth is dense. Allow a minimum of 5 days between applications. In not apply to disright stressed potatoes. Applications should be made at least 7 days before harvest Add (IR(Ht) E 77 Spreader (non-ionic) at 8 to 16 ft oz per 100 gain of SPEAR THE

POTATOES (Western): For Desiccation of Potato Plants to Fockinete Horvest.—Apply 1 pt. per acre in 20 to 100 gais of water with ground equip ment 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. ANY ORTHO x 77 Spreader (non-ionic) at 8 to 16 ft, or per 100 gals, of sp ay mix



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 (Intesting Still Ponds Lakes, Ditches or Portions Thereof) 12 Bladderwort (Utricularia spp.) Coontail (Ceratophyllum demersum) (lodea (flodea sop)

Naied (Najas spp.) Pondweeds (Potamogeton sop) f Except P robbinsii, also Richardson Pondweed (P, richardsonii) in Min-Watermilfoil (Myriophyllum spp.)

APPLICATION: In early season where submersed weed growth has not reached the surface apply ORTHO Diquat Water Weed Killer by pouring directly from the container into the water while moving alowly over the water surface in a boat. Distribute evenly over intested 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 ORTHO Diquet Water Weed Riller by pouring as above or injecting a diluted (10-20 to 1) scription beion 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 Copper Sulphate at recommended rates is advised for best results with GRING Diquat Water Weed Killer

FLOATING WEEDS Pennywort (Hydrocotyle umbellata) Salvinia (Salvinia rotundifolia). Waterhyacinth (Exhhornia crassipes)

Waterlettuce (Pistia stratiotes) APPLICATION: 150 to 200 gais of water plus 1 pt ORING X-77 Spreader (non-ionic) should be applied as an userall spray for cufitral of the above weeds for serial application to Waterletture, use 7.5 gala, of water per acre plus 1 pt URIHO x 77 Sq.eader (non ionic) per 100 gals. spray solution. The high rates of URIFC Digirt Water West Filler should be used for late season application.

Duckweed (Lemna spp.) APPLICATION: For control, apply 1997PO Diquat Water Wood Fuller as an overall spray in 50 to 150 gais of water plus 1 pt. ORTHO X 77 Spreader coon some per arre Care should be taken to thoroughly cover all plants on water and on damp marginal areas. Reinlestation of duck weed occurs readily from untreated areas. Retrietment with ORTHO count shater should be en may be necessary to obtain season long

WEED SPECIES GALS./100 GALS. WATER MARGINAL WEEDS (Infesting the Edges and Other Portions of Ponds Lakes and Difches) Catteris (Typha spp.)

0.43

APPLICATION: For top hill, apply ORTHO Diquat Water Weed Riller in 100 gais, water plus 1 pt. ORTHO X-77 Spreader (non-ionic) for full coverage and thorough weed contact, Repeat treatment as necessary to control regimeth, for best results apply before flowering.

ALGAE: ORTHO Diquat Water Weed Killer with control certain filamentous algae. Spirogyra spp., and Pithophora spp.; Apply 0.5 to 1.5 p.p.m. ORTHO Diquat Water Weed Killer for control. Application methods as for submersed weeds.

Formula for Parts Per Million (PPM) Recommendations Gals to use — p.p.m. recommended x acreage of water x everage depth of water x 1.4. For example— $\frac{1}{2}$ p.p.m. recommendations; two acre pond; 4 feet average depth; $\frac{1}{2}$ x 2 x 4 x 1.4. — 5.6 gals, required. Do not apply under conditions involving possible drift to feed, forage or other plantings that might be damaged or the crops thereof rendered unlit for sale, use or consumption.

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 contaminate feed, foodstuffs or drinking water. Do not store or transport near feed or food. Store at temperatures above 32° F.

For help with any spill, leak, fire or exposure involving this material call day or night (415) 233 3737.

PESTICIDE DISPOSAL

This product is acutely hazardous. Improper disposal of excess posticide, spray mixture, or rinsate is a violation of Federal Law. If this exastes 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

Tuple cines (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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CONDITIONS OF SALE: 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. Chevron neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

Tritical and unforeseeable factors beyond Chevron's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include but are not limited to damage to plants and crops to which the material is applied lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Chevron under 1 above) resulting from handling, storage, and use of this material.