

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
WARNING**

May be fatal if swallowed, inhaled or absorbed through skin. Skin contact will cause severe irritation. Do not get material on skin, eye or clothing. Contact with skin may increase danger of absorption. Symptoms of injury may be delayed. Wear face shield, rubber gloves and rubber apron when handling concentrate. Do not breathe spray mist in order to avoid nasal, throat and respiratory tract irritation. When spraying or when contacting sprayed vegetation wet with dew or rain, wear waterproof footwear and clothing. Do not feed forage from treated crops to livestock. Keep livestock out of treated fields and crop areas.

STATEMENT OF PRACTICAL TREATMENT
If swallowed, IMMEDIATELY CALL A DOCTOR. If conscious, give a large amount of water to drink and make person vomit. In case of skin contact, wash immediately with water; remove clothing and wash skin where necessary. For eyes, wash thoroughly with water and get medical attention.

Note to Physicians: Emergency Information - call (415) 233-3737.

ENVIRONMENTAL HAZARDS
Do not apply directly to water except as specified on this label. Do not use treated water for animal consumption, swimming, 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.

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 temperatures above 32° F.

PESTICIDE DISPOSAL
Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable federal, state, or local procedures.

CONTAINER DISPOSAL
Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

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 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



**Diquat
Water Weed Killer**

(HERBICIDE)

Also Harvest Aid Chemical

Active Ingredient	By Wt.
Diquat dibromide [6, 7-dihydrodipyrido (1,2-a:2',1'-c) pyrazinedium dibromide]	35.3%
Inert Ingredients	64.7%
Contains 2 lbs. Diquat cation per gal. as 3.73 lbs. salt per gal.	

**KEEP OUT OF REACH OF CHILDREN
WARNING**
FOR AGRICULTURAL USE ONLY OR FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS ONLY. DO NOT STORE IN AREAS ACCESSIBLE TO CHILDREN.
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured for
Chevron Chemical Company
Ortho Agricultural Chemicals Division
San Francisco CA 94120-7144 Richmond CA 91804-0036
Product 1000-2 Made in U.S.A. EPA Est. 239-MO-1
Form 7843-J
EPA Reg. No. 239-1663-AA
NET CONTENTS 54 GALLONS

during application. Do not use with surfactants other than Diquat (non-ionic) as the activity of Diquat may be reduced.

DIRECTIONS
NON-CROP OR NON-PLANTED AREAS: Rights-Of-Way, Highways, Roads, Dividers and Medians, Pipelines, Including Pumping Stations, Transformer Stations and Electric Utilities, Commercial Buildings, Manufacturing Yards, Rail Yards, Fence Lines and Parkways, Edge Portions of Ponds, Lakes and Ditches. Also Around Walkways, Patios, Beneath Greenhouse Benches, All Around Golf Courses. To Kill Undesirable Above Ground Weeds—1 to 2 qts. plus 8 to 1 qt. Diquat (non-ionic) per 100 gals. water (4 teaspoonful Diquat (non-ionic) to 1 gal. water). Apply for full coverage contact. Apply to young weeds since control decreases as treatment may be necessary to control grasses and establish spray contact with foliage of food crops or ornamentals. **ALFALFA, CLOVER, GRAIN SORGHUM, SOYBEANS** (See to 2 pts. per acre. On thin stands of Seed Alfalfa—1 qt. Diquat (non-ionic) per 100 gals. water). **VETCH** (Seed Crops Only): 1 pt. per acre. Preharvest Foliage of Listed Crops—Use specified dosage in 15 to 20 gal. ground spray application and 5 to 10 gals. water by a hand sprayer or in 5 to 10 gals. water by a second application if necessary to obtain adequate contact. Do not apply to drought stressed potatoes. Application at least 7 days before harvest. Add ORTHO X-77 at 8 to 16 fl. oz. per 100 gals. of spray mix. **SUGARCANE (HAWAII ONLY):** To Prevent Flowering (1 qt. Diquat (non-ionic) per 100 gals. water). Do not apply to sugarcane foliage. Spray drift on sugarcane leaf burn will occur following this treatment. Do not apply after harvest.

SUGARCANE (FLORIDA AND PUERTO RICO ONLY): To Prevent Flowering (1 qt. Diquat (non-ionic) per 100 gals. water). Do not apply to sugarcane foliage. Spray drift on sugarcane leaf burn will occur following this treatment. Do not apply after harvest.

AQUATIC USE DIRECTIONS
For application only to ponds, lakes, and drainage ditches or no outflow of water and which are totally unproductive. Do not use the treated water for animal consumption, spraying, irrigation, or domestic purposes for any use. Do not apply to aquatic sites in Florida.
WEED SPECIES
SUBMERSED WEEDS (Infesting Still Ponds, Lakes, etc.):
Bladderwort (Utricularia spp.)
Coontail (Ceratophyllum demersum)
Elodea (Elodea spp.)
Waiad (Najas spp.)

ORTHO

Diquat

Water Weed Killer

HERBICIDE)

so Harvest Aid Chemical

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Other Ingredients	64.7%

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Manufactured for
Chevron Chemical Company
 Agricultural Chemicals Division
 Richmond CA 94804-0036
 Product 1000-2 Made in U.S.A.
 EPA Est. 239-MO-1
 Reg. No. 239-1663-AA

NET CONTENTS 54 GALLONS

during application. Do not use with surfactants other than ORTHO X-77 Spreader (non-ionic) as the activity of Diquat may be reduced.

DIRECTIONS

NON-CROP OR NON-PLANTED AREAS: Rights-of-Way, Including Railroads, Highways, Roads, Dividers and Medians, Pipelines, Public Utility Lines, Including Pumping Stations, Transformer Stations and Substations. Around Electric Utilities, Commercial Buildings, Manufacturing Plants, Storage Yards, Rail Yards, Fence Lines and Parkways. Edges and Non-Flooded Portions of Ponds, Lakes and Ditches. Also Around Ornamental Gardens, Walkways, Patios, Beneath Greenhouse Benches, Along Driveways and Around Golf Courses. **To Kill Undesirable Above Ground Grass and Broadleaf Weed Growth—**1 to 2 qts plus 8 to 16 oz. ORTHO X-77 Spreader (non-ionic) per 100 gals. water (4 teaspoonfuls ORTHO Diquat Water Weed Killer plus 1/2 teaspoonful 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, SOYBEANS (Seed Crops Only): 1 1/2 to 2 pts. per acre. On thin stands of Seed Alfalfa—1 pt. per acre.

VETCH (Seed Crops Only): 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, Clover and Vetch, 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 treated areas or feed treated forage to livestock. Do not use seed from treated plants for food, feed or oil purposes.

POTATOES (EXCEPT CALIFORNIA): For Desiccation of Potato Plants to Facilitate Harvest: Apply 1 pt. per acre in 50 to 100 gals. of water with ground equipment or in 5 to 10 gals. with aerial equipment. Make a second application if necessary to obtain adequate desiccation where vine growth is dense. Allow a minimum of 5 days between applications. Do not apply to drought stressed potatoes. Application should be made at least 7 days before harvest. Add ORTHO X-77 Spreader (non-ionic) at 8 to 16 fl. oz. per 100 gals. of spray mix.

SUGARCANE (HAWAII ONLY): To Prevent Flowering (tasseling) of Cane—1 pt. ORTHO Diquat Water Weed Killer plus 1 oz. ORTHO X-77 Spreader (non-ionic) per acre. Apply during flower initiation period, first 3 weeks of September. Apply by aircraft in 7 to 10 gals. water per acre. Some leaf burn will occur following this treatment. Do not apply within 5 months of harvest.

SUGARCANE (HAWAII ONLY): For Control of emerged annual weeds and suppression of sedges, six inches or less in height, using a directed spray—1 to 2 qts. in 50 to 100 gals. water per acre. Add 8 oz. ORTHO X-77 Spreader (non-ionic) per 100 gals. water. Repeat as necessary. Use power sprayer with boom, or hand sprayer with wand, directed as a coarse spray to thoroughly wet weeds in fields, roadways and borders. Avoid contacting sugarcane foliage. Spray drift on sugarcane leaves will cause injury. Use lower rate for control of weed seedlings and suppression of sedges. Use higher rate when weeds are 3 to 6 inches tall. Do not apply after crop closes in.

SUGARCANE (FLORIDA AND PUERTO RICO ONLY): To Prevent Flowering (tasseling) of Cane—1 pt. ORTHO Diquat Water Weed Killer plus 1 oz. ORTHO X-77 Spreader (non-ionic) per acre. Apply during flower initiation period. Apply by aircraft in 3 to 10 gals. of water per acre. Some leaf burn will occur following this treatment. Do not apply within 3 months of harvest.

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, swimming, spraying, irrigation, or domestic purposes for 14 days after treatment. Do not apply to aquatic sites in Florida.

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
Woad (<i>Najas</i> spp.)	1

Pondweeds (*Potamogeton* spp.)† 2
 †Except *P. robbinsii*; also Richardson Pondweed (*P. richardsonii*) in Minnesota.

Watermilfoil (*Myriophyllum* spp.) 1-2

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 slowly over the water surface in a boat. Distribute evenly over infested areas in strips 40 feet apart. In mixed weed population, use the high rate of application as indicated by weeds present.

In late season or where submersed weed growth has reached the water surface throughout the area to be treated apply ORTHO Diquat Water Weed Killer 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, pre-treatment with Copper Sulphate at recommended rates is advised for best results with ORTHO Diquat Water Weed Killer.

FLOATING WEEDS

Pennywort (<i>Hydrocotyle umbellata</i>)	1/2-3/4
Salvinia (<i>Salvinia rotundifolia</i>)	1/2-3/4
Waterhyacinth (<i>Eichhornia crassipes</i>)	1/2-3/4
Waterlettuce (<i>Pistia stratiotes</i>)	1/2-3/4

APPLICATION: 150 to 200 gals. of water plus 1 pt. ORTHO X-77 Spreader (non-ionic) 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 1 pt. ORTHO X-77 Spreader (non-ionic) per 100 gals. spray solution. The high rates of ORTHO Diquat Water Weed Killer should be used for late season application.

Duckweed (Lemna spp.) 1
APPLICATION: For control, apply ORTHO Diquat Water Weed Killer as an overall spray in 50 to 150 gals. of water 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 ORTHO Diquat Water Weed Killer may be necessary to obtain season long control.

WEED SPECIES

MARGINAL WEEDS (Infesting the Edges and Other Portions of Ponds, Lakes and Ditches):

Cattails (*Typha* spp.) 1.0
APPLICATION: For top kill, apply ORTHO Diquat Water Weed Killer in 100 gals. water plus 1 pt. ORTHO X-77 Spreader (non-ionic) for full coverage and thorough weed contact. Repeat treatment as necessary to control re-growth. For best results apply before flowering.

ALGAE: ORTHO Diquat Water Weed Killer will control certain filamentous algae. *Spirogyra* spp. and *Pithophora* spp.: Apply 0.5 to 1.5 p.p.m. w. 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 average depth of water x 1.4. For example—1/2 p.p.m. recommendations; two acre pond; 4 feet average depth; 1/2 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.

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.

2. Critical 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.