

SUGARCANE (HAWAII ONLY): To Prevent Flowering (tasselings) of Cane: 1 pt. ORTHO Diquat 2 Spray plus 1/2 oz. ORTHO X-77 Spreader (non-ionic) per acre. Apply during flowering 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 6 months of harvest.

SUGARCANE (HAWAII ONLY): For Control of emerged annual weeds and suppression of sodas, six inches or less in height, using a directed spray: 1 to 1 1/2 gals. per 100 gals. water per acre. Add 1/2 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, in always 20' borders. Avoid contacting sugarcane foliage. Spray drift on sugarcane leaves will cause injury. Use lower rate for control of weed seedlings and suppression of regrowth. Use higher rate when weeds are 6 to 8 inches tall. Do not apply after top dressings.

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, Ferry Lines and Parkways, Edges and Non-Flooded Portions of Ponds, Lakes and Ditches. Also Around Ornamental Gardens, Walkways, Patios, Beneath Greenhouse Benches, Along Drive Ways and Around Golf Courses. To Kill Undesirable Above Ground Grass and Broad leaf Weed Growth: Apply 1 qt. ORTHO X-77 Spreader (non-ionic) per 50 gals. water (4 teaspoonfuls) ORTHO Diquat 2 Spray plus 1/2 teaspoonful ORTHO X-77 Spreader (non-ionic) to 100 gals. water. Apply in 10' coverage and thoroughly weed contact. Apply to young weeds since, until treatment, as weeds mature, the treatment may be necessary to control grasses and desirable weeds. Avoid spray contact with foliage of food crops or ornamental plants.

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 (Use 1 qt. ORTHO X-77 Spreader (non-ionic) per 50 gals. water)

Bladderwort (Utricularia spp.)	1/2
Ceratium (Ceratophyllum demersum)	2
Elodea (Elodea spp.)	2
Harad (Najas spp.)	1
Fanweeds (Potamogeton spp.)	2
Watermilfoil (Myriophyllum spp.)	1/2

APPLICATION: In early season where submersed weed growth has not reached the surface apply ORTHO Diquat 2 Spray 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 populations, 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 2 Spray by pouring or above or injecting a diluted (1:20 to 1:10) solution below the water surface in strips no more than 40 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 2 Spray.

FLOATING WEEDS

Pennywort (Hydrocotyle umbellata)	1/2
Water hyacinth (Eichhornia crassipes)	1/2
Waterlettuce (Najas stratiotes)	1/2

APPLICATION: Use 1/2 qt. ORTHO X-77 Spreader (non-ionic) per 50 gals. water plus 1 pt. ORTHO Diquat 2 Spray (or 1 qt. 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 10 gals. of water per acre plus 1 pt. ORTHO X-77 Spreader (non-ionic) per 100 gals. water. The high rates of ORTHO Diquat 2 Spray should be used for late season application.

Duckweed (Lemna spp.)	1
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APPLICATION: For control apply ORTHO Diquat 2 Spray as an overall spray in 50 to 150 gals. of water per acre. Care should be taken to thoroughly cover all parts of water and on damp mats. If areas of infestation of duckweed are not readily controlled with ORTHO Diquat 2 Spray, pre-treatment with ORTHO Diquat 2 Spray may be necessary to obtain season long control.

WEED SPECIES

GALS /100 GALS WATER

MARGINAL WEEDS (Use 1 qt. ORTHO X-77 Spreader (non-ionic) per 50 gals. water)

Cattails (Typha spp.)	1/2
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APPLICATION: Use 1 qt. ORTHO X-77 Spreader (non-ionic) per 50 gals. water plus 1 pt. ORTHO Diquat 2 Spray. Repeat treatment as necessary to control regrowth. For best results apply before flowering.

ALGAE: ORTHO Diquat 2 Spray plus 1/2 oz. ORTHO X-77 Spreader (non-ionic) per acre. Apply during flowering 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 6 months of harvest.

Formula For Parts Per Million (PPM) Recommendations

Gallons to use = ppm recommended x acreage of water x average depth of water x 1.4

For Example: 1 ppm recommendation, two acre pond, 4 feet average depth = 1.4 x 2 x 4 x 1.4 = 15.6 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.



ORTHO

Diquat 2 Spray

(HERBICIDE)

SUPPLEMENTAL LABELING

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 gallon as 3.73 lbs. salt per gallon	

**KEEP OUT OF REACH OF CHILDREN
WARNING**

**NOT FOR USE OR STORAGE IN OR
AROUND THE HOME.**

**REFER TO CONTAINER LABEL FOR
PRECAUTIONARY AND STORAGE AND
DISPOSAL STATEMENTS.**

AQUATIC USE DIRECTIONS

For application to ponds, lakes, reservoirs, marshes, bays, drainage ditches, canals, streams, and rivers which are slowmoving or dried out **only** by the Corps of Engineers or other Federal or State Public Agencies, or contractors or licensees under their direct control. For the purpose of this supplemental labeling, the restriction against application to aquatic sites in Florida does not apply.

Do not use the treated water for animal consumption, swimming, spraying, irrigation, or domestic purposes for 14 days after treatment. At that time an approved assay (see EPA 11 Spectrometric Method) shows that the water contains less than 0.01 part per million of diquat dibromide (calculated as the cation).

No application shall be made to any water used for commercial fish processing, resulting in the production of fish protein concentrate or fish meal, as practiced. Before application, consultation and approval of local and/or state authorities must be obtained.

WEED SPECIES	GALS/SURFACE ACRE
SUBMERSED WEEDS	
Bladderwort (<i>Utricularia</i> spp.)	1/2
Chara (<i>Chara</i> spp.)	2
Elodea (<i>Elodea</i> spp.)	1
Najas (<i>Najas</i> spp.)	1
Pondweeds (<i>Potamogeton</i> spp.)	2
Watercress (<i>Menyanthes</i> spp.)	1/2

APPLICATION: Apply to slow moving water where weed growth has not reached the surface. Apply ORTHO Diquat 2 Spray by stirring directly from the container into the water where it will cover the water. The spray should be applied to a water depth of 30 feet or less. In most cases, a single application will control weeds for 30 to 60 days.

PRECAUTIONS: Do not use the treated water for animal consumption, swimming, spraying, irrigation, or domestic purposes for 14 days after treatment. At that time an approved assay (see EPA 11 Spectrometric Method) shows that the water contains less than 0.01 part per million of diquat dibromide (calculated as the cation).

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 2 Spray should be used for late season application.

Duckweed (*Lemna* spp.) 1
APPLICATION: For control, apply ORTHO Diquat 2 Spray 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 2 Spray may be necessary to obtain season long control.

WEED SPECIES	GALS/100 GALS. WATER
MARGINAL WEEDS	
Cattails (<i>Typha</i> spp.)	10

APPLICATION: For control, apply ORTHO Diquat 2 Spray 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 regrowth. For best results apply before mowing.

ALGAE: ORTHO Diquat 2 Spray will control certain filamentous algae, *Spirogyra* spp. and *Plectonon* spp. Apply 0.5 to 1.5 ppm w. ORTHO Diquat 2 Spray for control. Application methods as for submersed weeds.

Formula For Parts Per Million (PPM) Recommendations

Gallons to use = ppm recommended x acreage of water x average depth of water x 1.4

For example: 1.5 ppm recommendations, two acre pond, 4 feet average depth: 1.5 x 2 x 4 x 1.4 = 5.6 gals. required

CONDITIONS OF SALE: 1. Chevron Chemical Company (Chevron) warrants that this material conforms to the chemical description on the label and is ready for use as directed thereon. Chevron neither makes nor authorizes any agent or representative to make any other warranty, **FITNESS** or of **MERCHANTABILITY**, guarantee, or representation, express or implied, regarding 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 exist even though the product is reasonably fit for the use stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all such risks, and they hereby accept those assumed by them in order to obtain the benefits from handling, storage, and use of this material.

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