ACTIVE INGREDIENT:
Diquat dibromide [6,7-dihydropyrido (1, 2-a:2'-1'-c) pyrazinedium dibromide] ............................................................... 37.3%
OTHER INGREDIENTS:..............................................................................................................................................................................................................100.0%
Contains 2lbs. diquat cation per gal. (3.73 lbs. diquat dibromide per gal.)

KEEP OUT OF REACH OF CHILDREN
CAUTION
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.)

NOTE TO PHYSICIANS
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.

Have the product container or label with you when calling a poison control center or physician, or going for treatment.

FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE 1-800-424-9300 OR 1-703-527-3887.

SEE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

Manufactured for:
Aceto Agricultural Chemicals Corporation
4 Tri Harbor Court, Port Washington, NY 11050-4661

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage and disposal.

PECTICIDE STORAGE: Store at temperatures above 32ºF, in a cool, dry area under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Do not put concentrate or dilute product into food or drink containers. Store away from food, pet food, feed, seed, fertilizer, insecticides, fungicides and veterinary supplies.

PECTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinseate is a violation of Federal law. If these wastes cannot be disposed of 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 HANDLING: Nonrefillable container. Do not reuse this container to hold other than pesticides or dilute pesticides (rinseate). After emptying and cleaning, it may be allowable to temporarily hold rinseate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Offer for recycling, if available or reconditioning of appropriate or puncture and dispose in a sanitary landfill, or by incineration or by other procedures approved by state and local authorities. Do not burn unless allowed by state and local ordinances. If rinseate cannot be used, follow pesticide disposal instructions. If not triple or pressure rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

FOR METAL CONTAINERS: DO NOT cut or weld metal containers.

FOR SMALL CONTAINERS: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinseate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

FOR LARGE CONTAINERS: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinseate into the application equipment or a mix tank or store rinseate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain container for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinseate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

FOR BULK AND MINIBULK CONTAINERS
CONTAINER HANDLING: Refillable container. Refill this container with diquat dibromide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from the container into the application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinseate into application equipment or rinseate collection system. Repeat this rinsing procedure two times.

Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices. Check for leaks after filling and before transporting. Do not refill or transport a damaged or leaking container.

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.
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes or clothing.

Personal Protective Equipment (PPE)
Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on an EPA Chemical Resistance Category Selection Chart.

Mixers, Loaders, Applicators and other handlers must wear:
- Coveralls over short-sleeved shirt and long pants.
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.
- Chemical-resistant footwear plus socks.
- Protective eyewear.
- Chemical-resistant headgear for overhead exposure.
- A dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Exception: After ACETO DIQUAT 2L AG HERBICIDE has been diluted to 0.50% or less in water (i.e. the labeled rate for some spot applications); applicators for AQUATIC SURFACE APPLICATIONS must, at a minimum wear (Note – Mixers and Loaders for this application method must still wear the personal protective equipment (PPE) as described in the above section):
- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Protective eyewear

Exception: At a minimum, applicators for AQUATIC SUBSURFACE APPLICATIONS must wear (Note-Mixers and loaders for this application method must still wear the personal protective equipment (PPE) as described in the above section):
- Short-sleeved shirt and short pants
- Waterproof gloves
- Chemical-resistant footwear plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them. Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Control Statements:
When handlers are using closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standards (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)], the handler PPE requirements may be reduced or modified as specified in the WPS. Mixers, loaders, and applicators using closed systems who meet these requirements may wear: long-sleeved shirt and long pants; protective eyewear; waterproof gloves; shoes plus socks; and a chemical-resistant apron when mixing, loading or cleaning equipment. If handling tasks are performed from inside an enclosed cab or aircraft with enclosed cockpits that meet the requirements may wear: long-sleeved shirt, long pants, shoes, and socks for labeling-specified PPE. All labeling-specific PPE must be immediately available for use in an emergency. All applicable requirements as specified in 40 CFR 170.240(d)(4-6) must be followed.

USER SAFETY RECOMMENDATIONS:
USER SHOULD:
- Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Prolonged contact of the product with the skin many produce burns.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish and aquatic invertebrates and may adversely affect non-target plants. For Terrestrial Uses, do not apply directly to water, or to areas where the surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. For Aquatic Uses do not apply directly to water except as specified on this label.

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

READ ENTIRE LABEL PRIOR TO USE. 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.
AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval.

The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treat areas during this restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

• Coveralls over short-sleeved shirt and long pants
• Chemical-resistant gloves made of any waterproof material
• Chemical-resistant footwear plus socks
• Protective Eyewear
• Chemical-resistant headgear for overhead exposure

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170).

The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep all unprotected persons out of operating areas or vicinity where there may be drift.

Do not allow people or pets to touch treated plants until spray has dried. For aquatic uses, do not enter treated areas while treatments are in progress. For terrestrial uses, do not allow entry of 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.

PRODUCT USE INFORMATION

ACETO DIquat 2L AG HERBICIDE is non-volatile herbicide chemical for use as a pre-harvest aid to desiccate certain crops in order to facilitate harvesting or for use as a herbicide to control weeds in commercial greenhouses and nurseries; ornamental seed crops (flowers, bulbs, etc. – except in the state of California); landscape, industrial, recreational, commercial, residential, and public areas; turf renovation (all turf areas except commercial sod farms); dormant established turfgrass (bermudagrass, zoysiagrass – non-food or feed crop); and aquatic areas. ACETO DIquat 2L AG HERBICIDE is also used as a herbicide to control weeds in non-crop areas and non-bearing crops. ACETO DIquat 2L AG HERBICIDE is a contact-type herbicide and requires actively growing green plant tissue to function. Thorough coverage of all green plant tissue is essential for effective control. ACETO DIquat 2L AG HERBICIDE is rapidly absorbed by green plant tissue and interacts with the phytosynthetic process to produce compounds which destroy plant cells. Herbicide activity is usually quite rapid with effect visible in a few days.

PRECAUTIONS

Avoid spray drift to crops, ornamentals, and other desirable plants during application, as injury may result.

Application to muddy water may result in reduced control.

Minimize creating muddy water during application.

Use of dirty or muddy water for ACETO DIquat 2L AG HERBICIDE dilution may result in reduced herbicidal activity.

Avoid applying under conditions of high wind, water flow, or wave action.

Retreatment may be necessary to control large weeds or established weeds.

Rinse all spray equipment thoroughly with water after use.

AGRICULTURAL USE DIRECTIONS

APPLICATION

Since ACETO DIquat 2L AG HERBICIDE is a contact-type herbicide, it is essential to obtain complete coverage of the target weed or crop to achieve effective results. Improper application technique and/or application to large, stressed, or mowed weeds will generally result in unacceptable control. Complete coverage is also essential for effective performance in harvest aid applications. See details below for additional information.

Nozzle Selection

The use of flat fan nozzles will result in the most effective application of ACETO DIquat 2L AG HERBICIDE. The use of nozzles other than flat fans may result in reduced performance due to inadequate coverage.

Spray Volume

Follow the minimum spray volumes listed for each use of ACETO DIquat 2L AG HERBICIDE. These are minimum volumes only, and increase spray volumes as necessary to obtain complete coverage of the target weed or plant without runoff from the foliage. When spraying less than 20 gals. of spray carrier per acre, target weeds are not to be greater than 6 inches in height.
SPRAY ADJUVANTS
Always add one of the Following:

Nonionic Surfactant (NIS)
• Add a NIS containing 75% or greater surface active agent at 0.06-0.5% v/v (½ – 4 pts. per 100 gals.) of the finished spray volume.

Other Adjuvants
• Adjuvants other than NIS may be used providing the product meets the following criteria:
  o Contains only EPA exempt ingredients.
  o Is compatible in mixture. Compatibility may be established through a jar test.
  o Is supported locally for use with ACETO DIQUAT 2L AG HERBICIDE through proven field trials and through university and extension recommendations.

RATES
Follow the application rates listed with each use of ACETO DIQUAT 2L AG HERBICIDE. Use the higher level rates when weeds are large or dense. Also, use higher labeled rates for harvest aid when crop vegetation is dense.

APPLICATION TIMING
ACETO DIQUAT 2L AG HERBICIDE is to be applied to emerged weeds when they are small. Weeds 1 inch to 6 inches in height are the easiest to control. When weeds have been grazed or mowed, thus removing much of the green foliage, allow the weeds to regrow to a height of 2-4 inches before spraying. For proper application timing of harvest aid applications, refer to each crop for specific use directions. Weeds emerging after application of ACETO DIQUAT 2L AG HERBICIDE will not be controlled or suppressed.

RAINFASTNESS
Because ACETO DIQUAT 2L AG HERBICIDE is rapidly absorbed by green plant tissue, rain occurring 30 minutes after application will have no effect on the activity of ACETO DIQUAT 2L AG HERBICIDE.

ENVIRONMENTAL CONDITIONS
ACETO DIQUAT 2L AG HERBICIDE is active over a wide range of environmental conditions. Cool weather (below 55ºF) will slow the activity of ACETO DIQUAT 2L AG HERBICIDE, as will cloudy, overcast weather, but not affect performance.

In dry areas, dust stirred up by high winds or equipment tires can coat target surface and reduce ACETO DIQUAT 2L AG HERBICIDE activity. Avoid spraying ACETO DIQUAT 2L AG HERBICIDE in extremely dusty conditions.

Spray Drift Management
Do not allow this product to drift onto neighboring crops or non-crop area or use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE, IS THE RESPONSIBILITY OF THE APPLICATOR. The interaction of many equipment – and weather – related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. Where states have more stringent regulations, they should be observed.

The following drift management requirements must be followed to avoid off-target drift movement from aerial application to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.
1. The distance of the outer most nozzles on the boom must not exceed ¾ the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more then 45 degrees. Where states have more stringent regulations, they should be observed.

The importance of spray droplet size:
The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that proved sufficient coverage and control. Applying larger droplets reduces drift potential but may not prevent drift if applications are made improperly or under unfavorable environmental conditions (see the following "Wind", "Temperature and Humidity" and "Temperature Inversion" sections of this advisory).

Controlling initial droplet size:
• Volume – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher flow rates produce larger droplets.
• Pressure – Use the lower spray pressures suggested by the manufacture for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
• Number of nozzles – Use the minimum number of nozzles that provide uniform coverage.
• Nozzle orientation – Orienting nozzles so the spray stream is released backwards, parallel to air stream will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
• Nozzle type- Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.
Controlling placement of spray droplets:

- **Boom Length** – For some use patterns, reducing the effective boom length to less than ¼ of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application height** – Applications should not be greater than 10 feet above the top of the tallest plants unless a great height is required for aircraft safety. Greater application heights result in greater droplet size reduction through evaporation and greater movement in air currents. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.
- **Application speed** – Slower aircraft speeds within a safe range will produce less air turbulence and fewer small droplets.
- **Swath adjustment** – When applications are made with a cross-wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicators must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distances should increase drift potential (wind speed, droplet size, etc.)

Key environment factors:

- **Wind** – Drift potential is the lowest between wind speeds of 2 to 10 mph. However, many factors including droplet size and equipment type determine drift potential at any given point. Application should be avoided when wind speeds are below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Applicators should be familiar with local wind patterns and how they affect drift.
- **Temperature and Humidity** – When making applications in low relative humidity set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.
- **Temperature Inversions** – Application should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable air currents that are common during inversion. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke detector. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.
- **Sensitive Areas** – The pesticide should only be applied when the wind is blowing away from adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops).

COMMERCIAL GREENHOUSES AND NURSERIES

For weed control in commercial greenhouses (beneath benches) field grown and container stock, and other similar areas, ACETO DIQUAT 2L AG HERBICIDE may be applied pre-plant or post-plant pre-emergence in field grown ornamental nursery planting or post-emergence as a directed spray. ACETO DIQUAT 2L AG HERBICIDE may also be applied pre-emergence in ornamental seed crops (except in the state of California). Do not use on food or feed crops.

**Spot Spray:** 1-2 qts. ACETO DIQUAT 2L AG HERBICIDE plus the labeled rate of 75% or greater nonionic surfactant per 100 gals. of water, or 0.75 oz. (22 ml) ACETO DIQUAT 2L AG HERBICIDE plus the labeled rate of 75% or greater nonionic surfactant per 1 gal. of water.

**Broadcast:** 1-2 pts. ACETO DIQUAT 2L AG HERBICIDE in a minimum of 15 gals. of water per acre. Add the labeled rate of a 75% or greater nonionic surfactant per 100 gals. or spray mixture. Use an adequate spray volume to insure good coverage.

ORNAMENTAL SEED CROPS (FLOWERS, BULBS, ETC.) EXCEPT IN THE STATE OF CALIFORNIA

For pre-harvest desiccation of ornamental seed crops. NOT FOR FOOD OR FIBER CROPS.

**Broadcast (Air or Ground):** 1.5 – 2 pts. ACETO DIQUAT 2L AG HERBICIDE plus the labeled rate of a 75% or greater nonionic surfactant per acre in sufficient water (minimum of 5 gals. by air; 15 gals. by ground) for desiccation and weed burn down. Repeat as needed at no less than 5-day intervals up to three applications. Do not use seed, screenings, or waste as feed or for consumption.

DIRECTIONS FOR LANDSCAPE, INDUSTRIAL RECREATIONAL, COMMERCIAL, RESIDENTIAL AND PUBLIC AREAS

ACETO DIQUAT 2L AG HERBICIDE provides fast control of broadleaf and grassy weeds in industrial, recreational, golf course, commercial, residential, and public areas.

ACETO DIQUAT 2L AG HERBICIDE is a non-selective herbicide that rapidly kills undesirable above ground weed growth in 24-36 hours.

ACETO DIQUAT 2L AG HERBICIDE is a contact/desiccant herbicide; it is essential to obtain complete coverage of the target weeds to get good control. Improper application technique and/or application to stressed weeds may result in unacceptable weed control. For best results, apply to actively growing, young weeds.

Difficult weeds (such as perennial or deeply-rooted weeds) can often be controlled by tank mixing ACETO DIQUAT 2L AG HERBICIDE with other systemic-type herbicides. Refer to other product labels for specific application directions.

For residual weed control, tank mix ACETO DIQUAT 2L AG HERBICIDE with a pre-emergent herbicide labeled for the intended use site. When mixing ACETO DIQUAT 2L AG HERBICIDE with another herbicide, it is suggested to mix just a small amount first to determine if the mixture is physically compatible before proceeding with larger volumes.
Aceto Agricultural Chemicals Corporation has not tested all possible tank mixtures with other herbicides for compatibility, efficacy or other adverse effects. Before mixing with other herbicides Aceto urges you first consult your state experimental station, state university or extension agent.

**Ground maintenance weeds control:** ACETO DIQUAT 2L AG HERBICIDE can be used as a spot or broadcast spray to control weeds in public, commercial and residential landscapes, including landscape beds, lawns, golf courses and roadsides. ACETO DIQUAT 2L AG HERBICIDE can also be used for weed control around the edges and non-flooded portions of ponds, lakes and ditches.

**Trim and Edge weed control:** ACETO DIQUAT 2L AG HERBICIDE can be used to eliminate undesired grass and broadleaf plant growth in a narrow band along driveways, walkways, patios, curbs, fences, and around trees, ornamental gardens, buildings, other structures, and beneath non-commercial greenhouse benches. Vegetation control with ACETO DIQUAT 2L AG HERBICIDE is limited to the spray application width. Do not exceed the labeled rate of ACETO DIQUAT 2L AG HERBICIDE as excessive rates may result in staining of concrete-based materials.

ACETO DIQUAT 2L AG HERBICIDE, since it does not translocate systemically, can be used as an edging or pruning tool when precisely applied to select areas of grass or to undesirable growth on desirable ornamental bedding plants, ground covers, etc.

**Industrial Weed Control:** ACETO DIQUAT 2L AG HERBICIDE can be used as a spot or broadcast spray either alone or in combination with other herbicides as a fast burndown or control weeds in rights-of-ways, railroad beds/yards, highways, roads, dividers and medians, parking lots, pipelines, pumping stations, public utility lines, transformer stations and substations, electric utilities, storage yards, and other non-crop areas.

**Spot Spray:** Apply either 1-2 qts. of ACETO DIQUAT 2L AG HERBICIDE plus the labeled rate of a 75% or greater nonionic surfactant per 100 gals. of water, or 0.75 oz. (22 ml.) ACETO DIQUAT 2L AG HERBICIDE plus the labeled rate of a 75% or greater nonionic surfactant per 1 gal. of water.

**Broadcast:** 1-2 pts. ACETO DIQUAT 2L AG HERBICIDE per acre in sufficient water to insure good spray coverage. Add the labeled rate of 75% or greater nonionic surfactant per 100 gals. spray mixture. Greater water volumes are necessary if the target plants are tall and/or dense. Use 60 gals. or greater water volume to obtain good coverage of dense weeds.

**TURF RENOVATION (ALL TURF AREAS EXCEPT COMMERCIAL SOD FARMS)**

To desiccate golf course turf and other turf areas prior to renovation, apply 1-2 pts. of ACETO DIQUAT 2L AG HERBICIDE per acre plus the labeled rate of 75% or greater nonionic surfactant in 20-100 gals. of water (4 teaspoons ACETO DIQUAT 2L AG HERBICIDE plus the labeled rate of a 75% or greater nonionic surfactant per 1 gal. of water) using ground spray equipment. Apply for full coverage and thorough contact with the turfgrass. Apply only when the turf is dry, free from dew and incidental moisture. For enhanced turf desiccation of treated turfgrass, especially in the case of thick turfgrass, use water volumes approaching 100 gallons, of water per acre.

For suppression of regrowth and quick desiccation of treated turfgrass, ACETO DIQUAT 2L AG HERBICIDE may be mixed with other systemic non-selective or systemic post-emergence grassy weed herbicides. Refer to other product labels for specific application directions and restrictions.

Do not graze livestock on treat turf or feed treated thatch to livestock.

**DORMANT ESTABLISHED TURFGRASS (BERMUDAGRASS, ZOYSIAGRASS), NON-FOOD OR FEED CROP**

For control of emerged annual broadleaf and grass weeds, including Little Barley*, Annual Bluegrass Bromes including Rescuegrass, Sixweeks fescue, Henbit, Buttercup, and Carolina Geranium in established dormant bermudagrass lawns, parks, golf courses, etc.

Apply 1-2 pts. ACETO DIQUAT 2L AG HERBICIDE per acre in 20-100 gals. of spray mix by ground as a broadcast application. Add the labeled rate of 75% or greater nonionic surfactant per 100 gals. or 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 must be attentive to the extent of dormancy at the time of application.

*For the control of Little Barley, apply ACETO DIQUAT 2L AG HERBICIDE prior to the mid-boot stage.

**AQUATIC USE DIRECTIONS**

New York – Not for Sale or Use in New York State without Supplemental Special Local Needs Labeling.

Necessary approval and/or permits must be obtained prior to application if required. Consult the responsible State Agencies (i.e. Fish and Game Agencies, State Water Conservation authorities, or Department of Natural Resources).

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 ½ of the water body area at one time and wait 14 days between treatments.

For best results on submersed weeds, ACETO DIQUAT 2L AG HERBICIDE apply only to actively growing (photosynthesizing) weeds when water temperatures have reached or exceeded approximately 50°F, typically during the Spring of early Summer.

For application only to still water (i.e. ponds, lakes, and drainage ditches) where there is minimal or no outflow to public waters And/or
For applications to public waters in ponds, lakes, reservoirs, marshes, bayous, drainage ditches, canals, streams, rivers, and other slow-moving or quiescent bodies of water for control of aquatic weeds.

For use by:
• Corps of Engineers; or
• Federal or State Public Agencies (i.e. Water Management District personnel, municipal officials); or
• Applicators and/or Licensees (Certified for aquatic pest control) that are authorized by the State or Local government.

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 the designated maximum contaminant level goal (MCLG) or 0.02 mg/l (ppm) of diquat dibromide (calculated as the cation).

**Water Use Restrictions Following Applications with ACETO DIQUAT 2L AG HERBICIDE**

<table>
<thead>
<tr>
<th>Application Rate</th>
<th>Drinking</th>
<th>Fishing and Swimming</th>
<th>Livestock/Domestic Animals Consumption</th>
<th>Spray Tank Applications **</th>
<th>Spray Tank Applications **</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 gals./surface acre</td>
<td>3 days</td>
<td>0</td>
<td>1 day</td>
<td>3 days</td>
<td>5 days</td>
</tr>
<tr>
<td>1 gal./surface acre</td>
<td>2 days</td>
<td>0</td>
<td>1 day</td>
<td>2 days</td>
<td>5 days</td>
</tr>
<tr>
<td>0.75 gal./surface acre</td>
<td>2 days</td>
<td>0</td>
<td>1 day</td>
<td>2 days</td>
<td>5 days</td>
</tr>
<tr>
<td>0.50 gal./surface acre</td>
<td>1 day</td>
<td>0</td>
<td>1 day</td>
<td>1 day</td>
<td>5 days</td>
</tr>
<tr>
<td>Spot Spray* &lt; 0.5 gal./surface acre</td>
<td>1 day</td>
<td>0</td>
<td>1 day</td>
<td>1 day</td>
<td>5 days</td>
</tr>
</tbody>
</table>

*Add a nonionic surfactant (with at least 75% of the constituent’s active as a spray adjuvant) at the rate suggested by the manufacturer.

** For preparing agricultural sprays for food crops, turf or ornamentals (to prevent phytotoxicity), do not use water treated with ACETO DIQUAT 2L AG HERBICIDE before the specified time period.

When the contents of more than one spray tank is necessary to complete a single aquatic application, no water holding restrictions apply between the consecutive spray tanks.

No applications are to be made in areas where commercial processing of fish, 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.

**Floating and Marginal Weeds Including:**
Water lettuce, *Pistia stratiotes*
Water hyacinth, *Eichhornia crassipes*
Duckweed, *Lemma spp.*
Salvinia spp. (including *S. molesta*)
Pennywort (*Hydrocotyle spp.*)
Frog’s Bit*, *Limnobium spongia*
Cattails, *Typha spp.*

* Not for use in California

ACETO DIQUAT 2L AG HERBICIDE may be applied by backpack, airboat, spray handgun, helicopter, airplane, or similar application equipment that results in thorough spray coverage.

**Spot Treatment:** Apply ACETO DIQUAT 2L AG HERBICIDE at 2 quarts per 100 gallons spray carrier (0.5% solution) with an approved aquatic wetting agent at 0.25-1.0% v/v (1 quart to 1 gallon per 100 gallons water). For cattail control, apply ACETO DIQUAT 2L AG HERBICIDE prior to flowering at the maximum application rate (8 quarts of ACETO DIQUAT 2L AG HERBICIDE /100 gallons spray carrier) plus the wetting agent. Repeat treatments may be necessary for complete control.

Spray to completely wet target weeds but not to runoff. Densely packed weeds or mats may require additional applications due to incomplete spray coverage. Re-treat as needed. For best results, re-treat weed escapes within 2 weeks of the initial treatment.

**Broadcast Treatment:** Apply ACETO DIQUAT 2L AG HERBICIDE at the rate of 0.5-2.0 gallons per surface acre in sufficient carrier along with 16-32 oz./A of an approved wetting agent. Re-treat as necessary for densely populated weed areas. Good coverage is necessary for control of the target weeds.

For duckweed control, apply ACETO DIQUAT 2L AG HERBICIDE at 1-2 gallons/A.
Submersed Weeds including:
Bladderwort, Utricularia spp.
Hydrilla, Hydrilla verticulata
Watermilfoils (including Eurasian), Myriophyllum spp.
Pondweeds*, Potamogeton spp.
Coontail, Ceratophyllum demersum
Elodea, Elodea spp.
Braziliam Elodea, Egeria densa
Naiad, Najas spp.
Algae*, Spirogyra spp. and Pithophora spp.

1 ACETO DIQUAT 2L AG HERBICIDE controls Potamogeton species except Richardson’s pondweed, P. richardsonii.
2 Suppression only. For control of Spirogyra and/or Pithophora, use ACETO DIQUAT 2L AG HERBICIDE in a tank mix with an approved algaecide.

For severe weed or algae infestations, the use of an approved algaecide either as a pretreatment to the ACETO DIQUAT 2L AG HERBICIDE application or in a tank mix, may result in enhanced weed control.

To control submersed weeds, apply ACETO DIQUAT 2L AG HERBICIDE in water at 0.5-2.0 gallons per surface acre (per 4 foot water depth). For severe weed infestations, use the 2.0 gallon per surface acre rate. For best results, re-treat as necessary on 14-21 day intervals. The table below shows how many gallons of ACETO DIQUAT 2L AG HERBICIDE to apply per surface acre based on water depth.

| Gallons of ACETO DIQUAT 2L AG HERBICIDE per Surface Acre Average Water Depth |
|-----------------------------|----------------|----------------|----------------|
|                             | 1 Foot | 2 Feet | 3 Feet | 4 Feet |
| 1 gallon/acre rate          | 0.25 gal. | 0.50 gal. | 0.75 gal. | 1.0 gal. |
| 2 gallon/acre rate          | 0.50 gal. | 1.0 gal. | 1.50 gals. | 2.0 gals. |

Note: For water depths of 2 feet or less including shorelines, do not exceed 1 gallon per surface acre.

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 boom trailing hoses carrying nozzle tips to apply the dilute spray below the water surface to insure adequate coverage.

Bottom Placement: Water submersed weeds such as Hydrilla, Bladderwort, or Coontail have reached the water surface and/or where the water is slowly moving through the weed growth, the use of an invert emulsion carrier injected diluted ACETO DIQUAT 2L AG HERBICIDE near the bottom with weighted hoses may improve control. The addition of a copper based algaecide may improve control. If algae are present along with the submersed weeds, a pretreatment with a copper based algaecide may improve overall control.

Surface Application for Submerged Aquatic Weeds: Apply the use rate of ACETO DIQUAT 2L AG HERBICIDE as a spray in sufficient carrier to fully cover the target area. Apply in a manner to ensure complete coverage of the weed areas. In mixed weed populations, use the high rate of application as indicated by weeds present. For dense submersed weeds or water over 2 feet deep, a surface spray is to be avoided. In these situations, use ACETO DIQUAT 2L AG HERBICIDE in a subsurface application.

If posting is required by your state or tribe – consult the agency responsible for pesticide regulations for specific details.
### SPECIFIC USE DIRECTIONS

The following table indicates use pattern, rates, minimum spray volumes, and pre-harvest interval for specific uses.

<table>
<thead>
<tr>
<th>CROP</th>
<th>USE PATTERN</th>
<th>ACETO DIQUAT 2L AG HERBICIDE RATE PER ACRE</th>
<th>PRECAUTIONS, RESTRICTIONS AND COMMENTS</th>
</tr>
</thead>
</table>
| Alfalfa (seed crop only)    | Pre-harvest desiccation broadcast | 1 ½ - 2 pts. (see precautions section for additional rate information) | • On thin stands of seed alfalfa use 1 pt. per acre.  
• Desiccation is complete in 3-10 days.  
• Apply a minimum of 15 gallons of spray per acre by ground.  
• Apply a minimum of 5 gallons of spray per acre by air.  
• Minimum post-harvest interval (PHI) is 3 days.  
• Do not graze or feed treated forage to livestock.  
• Do not use seed from treated plants for food, feed, or oil purposes. |
| Canola                      | Pre-harvest desiccation broadcast | 1 ½ - 2 pts.                                | • Apply a minimum of 15 gallons of spray per acre by ground.  
• Apply a minimum of 5 gallons of spray per acre by air.  
• Minimum post-harvest interval (PHI) is 7 days.  
• Harvest must be completed no more than 10 days after application. |
| Clover (seed crop only)     | Pre-harvest desiccation broadcast | 1 ½ - 2 pts.                                | • Desiccation is complete in 3-10 days.  
• Apply a minimum of 15 gallons of spray per acre by ground.  
• Apply a minimum of 5 gallons of spray per acre by air.  
• Minimum post-harvest interval (PHI) is 3 days.  
• Do not graze or feed treated forage to livestock.  
• Do not use seed from treated plants for food, feed, or oil purposes. |
| Potato                      | Pre-harvest desiccation broadcast | 1 - 2 pts.                                  | • Do not apply to drought stressed potatoes.  
• Apply in a minimum 20 gallons of spray per acre by ground.  
• Apply a minimum of 5 gallons of spray per acre by air.  
• Make a second application if necessary to obtain additional desiccation where vine growth is dense. For improved vine coverage, a 5 day interval is used between applications.  
• Minimum post-harvest interval (PHI) is 7 days.  
• Do not exceed a total of 4 pts. per acre. |
<table>
<thead>
<tr>
<th>CROP</th>
<th>USE PATTERN</th>
<th>ACETO DIQUAT 2L AG HERBICIDE RATE PER ACRE</th>
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</tr>
</thead>
</table>
| Tree, Vine, Small Fruit, Vegetables Crops- Nonbearing | Directed spray | 1 1/2 - 2 pts. | • Apply a minimum of 15 gallons of spray per acre by ground.  
• Do not use for food or feed for one year after application.  
• This product can be used during site preparation prior to planting and up to one year of harvest.  
• Retreatment may be necessary for complete control of grasses and older established weeds.  
• Do not allow spray to contact green stems, foliage, or fruit as injury can occur.  
• Use a shield or wrap when spraying around young trees and vines.  
• Do not graze treated areas. |
| Acerola (West Indian Cherry) | Directed spray | 1 1/2 - 2 pts. | |
| Almonds | Directed spray | 1 1/2 - 2 pts. | |
| Apple | Directed spray | 1 1/2 - 2 pts. | |
| Apricots | Directed spray | 1 1/2 - 2 pts. | |
| Artichoke | Directed spray | 1 1/2 - 2 pts. | |
| Asparagus | Directed spray | 1 1/2 - 2 pts. | |
| Avocados | Directed spray | 1 1/2 - 2 pts. | |
| Bananas | Directed spray | 1 1/2 - 2 pts. | |
| Blackberry | Directed spray | 1 1/2 - 2 pts. | |
| Blueberry | Directed spray | 1 1/2 - 2 pts. | |
| Boysenberry | Directed spray | 1 1/2 - 2 pts. | |
| Cherries | Directed spray | 1 1/2 - 2 pts. | |
| Coffee | Directed spray | 1 1/2 - 2 pts. | |
| Conifers | Directed spray | 1 1/2 - 2 pts. | |
| Crabapple | Directed spray | 1 1/2 - 2 pts. | |
| Cranberry | Directed spray | 1 1/2 - 2 pts. | |
| Dates | Directed spray | 1 1/2 - 2 pts. | |
| Dewberry | Directed spray | 1 1/2 - 2 pts. | |
| Elderberry | Directed spray | 1 1/2 - 2 pts. | |
| Figs | Directed spray | 1 1/2 - 2 pts. | |
| Filberts | Directed spray | 1 1/2 - 2 pts. | |
| Ginseng | Directed spray | 1 1/2 - 2 pts. | |
| Gooseberry | Directed spray | 1 1/2 - 2 pts. | |
| Grapes | Directed spray | 1 1/2 - 2 pts. | |
| Grapefruit | Directed spray | 1 1/2 - 2 pts. | |
| Guava | Directed spray | 1 1/2 - 2 pts. | |
| Huckleberry | Directed spray | 1 1/2 - 2 pts. | |
| Jojoba | Directed spray | 1 1/2 - 2 pts. | |
| Kiwi | Directed spray | 1 1/2 - 2 pts. | |
| Lemons | Directed spray | 1 1/2 - 2 pts. | |
| Limes | Directed spray | 1 1/2 - 2 pts. | |
| Loganberry | Directed spray | 1 1/2 - 2 pts. | |
| Macadamia | Directed spray | 1 1/2 - 2 pts. | |
| Mango | Directed spray | 1 1/2 - 2 pts. | |
| Nectarines | Directed spray | 1 1/2 - 2 pts. | |
| Olives | Directed spray | 1 1/2 - 2 pts. | |
| Oranges | Directed spray | 1 1/2 - 2 pts. | |
| Papayas | Directed spray | 1 1/2 - 2 pts. | |
| Passion Fruit | Directed spray | 1 1/2 - 2 pts. | |
| Peaches | Directed spray | 1 1/2 - 2 pts. | |
| Pears | Directed spray | 1 1/2 - 2 pts. | |
| Pecans | Directed spray | 1 1/2 - 2 pts. | |
| Persimmons | Directed spray | 1 1/2 - 2 pts. | |
| Pistachios | Directed spray | 1 1/2 - 2 pts. | |
| Plantains | Directed spray | 1 1/2 - 2 pts. | |
| Plum | Directed spray | 1 1/2 - 2 pts. | |
| Pomegranates | Directed spray | 1 1/2 - 2 pts. | |
| Prunes | Directed spray | 1 1/2 - 2 pts. | |
| Raspberry | Directed spray | 1 1/2 - 2 pts. | |
| Tangelo | Directed spray | 1 1/2 - 2 pts. | |
| Tangerines | Directed spray | 1 1/2 - 2 pts. | |
| Walnuts | Directed spray | 1 1/2 - 2 pts. | |
The following table indicates the use pattern and rates for non-crop or non-planted areas.

<table>
<thead>
<tr>
<th>OTHER USES</th>
<th>USE PATTERN</th>
<th>ACETO DIQUAT 2L AG HERBICIDE RATE</th>
<th>PRECAUTIONS, RESTRICTIONS AND COMMENTS</th>
</tr>
</thead>
</table>
| Non-crop or Non-planted Areas on Farms | Broadcast | 1-2 pts. | • Apply for full coverage and thorough weed contact.  
• Apply in a minimum of 15 gallons water per acre.  
• Retreatment may be necessary to control grasses and established weeds.  
• Avoid spray contact with foliage of food crops or ornamental plants or other desirable vegetation.  
• Add the labeled rate of 75% or greater nonionic surfactant to the finished spray volume. |
| Fence Lines, Farmyards, Farm Buildings, Fuel Storage Areas, Barrier Strips, Equipment Areas, and Dry (non-flooded) Areas around ponds, lakes, and drainage ditches on farms. | Spot Treatment | 1-2 qts. | • For spot treatment the labeled rate of a 75% or greater nonionic surfactant per 100 gals. water or 0.75 oz. (22 ml) plus the labeled rate of a 75% or greater nonionic surfactant per 1 gal. of water. |

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