



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 12, 2024

SENT BY EMAIL

Mandy K. Styles
mstyles@drexchem.com
DREXEL CHEMICAL COMPANY

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - Minor label revision
Product Name: Drexel Diquat 2SL
Admin Number: 19713-729
EPA Receipt Date: 08/07/2024
Action Case Number: 00624661

Dear Mandy K. Styles:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have questions, please contact Bewanda Alexander via email at alexander.bewanda@epa.gov.

Sincerely,

Heather McFarley, Product Manager 24
FHB, RD
Office of Pesticide Programs

NOTIFICATION

19713-729

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

09/12/2024

DIQUAT DIBROMIDE | GROUP 22 | HERBICIDE

Drexel®

Diquat 2SL

Desiccant

ACTIVE INGREDIENT:

Diquat dibromide [6,7-dihydrodipyrido

(1,2-a:2',1'-c) pyrazinediium dibromide]..... 37.3%

OTHER INGREDIENTS:..... 62.7%

TOTAL: 100.0%

This product is formulated as a soluble liquid containing 2 pounds of Diquat cation per gallon or 3.73 pounds of Diquat Dibromide per gallon.

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.)

[See FIRST AID Below]

[See Side (Back) Panel for FIRST AID];

[See Page ____ for FIRST AID]

[See Container Labeling for (FIRST AID and) Complete Directions for Use]

[See (Attached) Booklet (Container Labeling) for Complete Directions for Use]

(SHAKE WELL BEFORE USING)

(RECIRCULATE CONTENTS BEFORE USE)

EPA Reg. No. 19713-729

EPA Est. No. 19713-XX-X

Net Content:

____ Gals. (____ L)

FIRST AID

IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- DO NOT induce vomiting unless told to do so by a poison control center or doctor.
- DO NOT give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency medical treatment information.

NOTE TO PHYSICIAN:

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.

Manufactured By:

Drexel Chemical Company

P.O. Box 13327, Memphis, TN 38113-0327

SINCE 1972

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION/PRECAUTION: Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and pants or coveralls over long-sleeved shirt and pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading
- Face shield when mixing or loading

Exception: After this product 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:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Waterproof gloves
- Protective eyewear

NOTE: (Mixers and Loaders for this application method must still wear the personal protective equipment (PPE) as described in the above section.)

Exception: At a minimum, applicators for AQUATIC SUBSURFACE APPLICATIONS must wear:

- Short-sleeved shirt and pants
- Waterproof gloves
- Chemical-resistant footwear plus socks

USER SAFETY REQUIREMENTS

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 CONTROLS

Mixers and loaders supporting aerial application are required to use closed systems. The closed system must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)] When using the closed system, mixers and loaders' PPE requirements may be reduced or modified as specified in the WPS.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], 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
- Chemical-resistant gloves made out of barrier laminate, butyl rubber > 14 mils
- Nitrile rubber > 14 mils
- Neoprene rubber > 14 mils
- Natural rubber > 14 mils
- Polyethylene, polyvinyl chloride > 14 mils or viton > 14 mils
- Shoes and socks
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading
- 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 these requirements may wear:
 - long-sleeved shirt, long pants
 - shoes, and socks for the labeling-specified PPE. All labeling-specified 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

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.
- 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 aquatic invertebrates.

NON-TARGET ORGANISM ADVISORY: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

For Terrestrial Uses: DO NOT apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment washwaters or rinsate.

For Aquatic Uses: DO NOT apply directly to water except as specified on this label. 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 one-third to one-half of the water body area at one time, especially if dense areas of weeds and/or Algae exist and wait 14 days between treatments.

Obtain the necessary approval and/or permits prior to application if required. Consult the responsible State Agencies (i.e., Fish and Game agencies or Department of Natural Resources) before making applications to public waters.

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. 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 (REI). 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 treated areas during the 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 short 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 the sprays have dried.

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.

For aquatic uses, DO NOT enter treated areas while treatments are in progress.

PRODUCT INFORMATION

DIQUAT 2SL is a nonvolatile herbicide for use as a pre-harvest aid to desiccate certain crops to facilitate harvesting. It may also be used as a general herbicide to control weeds in non-crop areas, non-bearing crops and aquatic areas.

This product 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. It is rapidly absorbed by green plant tissue and interacts with the photosynthetic process to produce compounds which destroy plant cells. Herbicidal activity is usually quite rapid with effects visible in a few days.

APPLICATION

Since this product 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.

Selection of Nozzle

The use of flat fan nozzles will result in the most effective application of this product. The use of nozzles other than flat fans may result in reduced performance due to inadequate coverage.

Spray Volume

Follow specified minimum spray volumes listed for each use of this product. These are minimum volumes only. 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 gallons of spray carrier per acre, target weeds should not exceed 6 inches in height.

SPRAY ADJUVANTS

Always Add One of the Following:

Non-Ionic Surfactant (NIS)

Add a NIS containing 75% or greater surface active agent at 0.06 to 0.5% v/v (0.5 to 4 pt./100 gal.) of the finished spray volume.

Other Adjuvants

Adjuvants other than NIS may be used provided that the product meets the following criteria:

- Contains only EPA exempt ingredients.
- Is compatible in mixture. Compatibility may be established through a jar test.
- Is supported locally for use with this product through proven field trials and through university and extension recommendations.

RATES

Follow specified rates listed with each use of this product. Use the higher label rates when weeds are large or dense. Also, use higher labeled rates for harvest aid when crop vegetation is dense.

APPLICATION TIMING

Apply this product 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 to 4 inches before spraying. For proper application timing of harvest aid applications, refer to each crop for use directions.

Weeds emerging after application of this product will not be controlled or suppressed.

RAINFASTNESS

Because this product is rapidly absorbed by green plant tissue, rain occurring 30 minutes after application will have no effect on the activity of this product.

ENVIRONMENTAL CONDITIONS

This product is active over a wide range of environmental conditions. Cool weather (below 55°F) will slow the activity of this product, as will cloudy, overcast weather, but will not affect performance.

In dry areas, dust stirred up by high winds or equipment tires can coat target surface and reduce the activity of this product. Avoid applying this product in extremely dusty conditions.

SPRAY DRIFT MANAGEMENT

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR AND THE GROWER.

WHERE STATES HAVE MORE STRINGENT REGULATIONS, THEY SHOULD BE OBSERVED.

Agricultural Aerial Applications

MANDATORY SPRAY DRIFT

Aerial Applications:

- **DO NOT** release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- **DO NOT** apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- If the windspeed is 10 miles per hour or less, applicators must use one-half swath displacement upwind at the downwind edge of the field. When the windspeed is between 11 to 15 miles per hour, applicators must use three-quarters swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Groundboom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Groundboom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. 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.

Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

WEED RESISTANCE MANAGEMENT

DIQUAT DIBROMIDE | GROUP 22 | HERBICIDE

For resistance management, this product is a Group 22 mode of action herbicide which inhibits Photosystem I. Any weed population may contain or develop plants naturally resistant to this product and other Group 22 mode of action herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Follow the appropriate resistance management strategies. To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 22 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank-mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Drexel Chemical Company representatives at (901) 774-4370.

Note: Within the United States, specific biotypes of a number of species, including American black nightshade (*Solanum americanum*), Goosegrass (*Eleusine indica*), Hairy fleabane (*Conyza bonariensis*) and Horseweed/Marestail (*Conyza canadensis*) have become resistant to Diquat.

Since the occurrence of resistant weeds is difficult to detect prior to use, Manufacturer accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

CROP USE SITES

ALFALFA (SEED CROP ONLY)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation broadcast*	1.5 to 2 (0.69 to 0.93 lb. a.i.) Thin stands: 1 (0.47 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 15 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. <p>*Desiccation is complete in 3 to 10 days.</p>
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per crop cycle (2 crop cycles per year) and 4 applications per year. • Minimum spray interval: 5 days • DO NOT apply more than 8 pt. of this product (3.73 lb. a.i.) per acre per year. • Pre-Harvest Interval (PHI): 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

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation broadcast	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 15 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. • Complete the harvest no more than 10 days after application.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 1 application per year. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per year. • Pre-harvest Interval (PHI): 7 days • DO NOT graze or feed treated forage to livestock. • DO NOT use seed from treated plants for food, feed, or oil purposes. 		

CANTALOUPE (FL)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Burndown after final harvest	1 (0.47 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 35 gal. of spray per acre. • Add 1 to 2 pt. of non-ionic surfactant per 100 gal. of water. • Thorough coverage is needed to ensure maximum burndown. • Use of dirty or muddy water may result in reduced efficacy.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply in states other than Florida. • DO NOT apply more than 1 pt. of this product (0.47 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per crop cycle (3 crop cycles per year) and 6 applications per year. • Minimum spray interval: 5 days • DO NOT apply more than 6 pt. of this product (2.80 lb. a.i.) per acre per year. 		

CARROTS, CILANTRO, RADISH, TURNIPS GROWN FOR SEED ONLY (ID, WA)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation broadcast	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: 15 to 30 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. • Apply only to crops grown for seed production for pre-harvest desiccation. • Apply 3 to 10 days before harvest prior to swathing when majority of the seeds are harvest-ripe. • Apply only to crops grown for seed production for pre-harvest desiccation.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply in states other than Idaho and Washington. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 1 application per year. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per year. • Pre-Harvest Interval (PHI): 7 days • No portion of the Carrot, Cilantro, Radish or Turnip including, but not limited to seed screening, green chop, hay, chaff, combined tailings, pellets, meal, whole seed and cracked seed may be grazed, used or distributed for food or feed purposes. • DO NOT use on Daikon varieties of Radish. 		

CLOVER (SEED CROP ONLY)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation broadcast*	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 15 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. *Desiccation is complete in 3 to 10 days.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per crop cycle (2 crop cycles per year) and 4 applications per year. • Minimum spray interval: 5 days • DO NOT apply more than 8 pt. of this product (1.87 lb. a.i.) per acre per year. • Pre-Harvest Interval (PHI): 3 days • DO NOT graze or feed treated forage to livestock. • DO NOT use seed from treated plants for food, feed, or oil purposes. 		

CUCUMBERS, SQUASH (EXCEPT ACORN AND WATERMELON) (FL)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Burndown after final harvest	1.5 (0.69 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 35 gal. of spray per acre. • Add 1 to 2 pt. of non-ionic surfactant per 100 gal. of water. • Thorough coverage is needed to ensure maximum burndown. • Use of dirty or muddy water may result in reduced efficacy.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply in states other than Florida. • DO NOT apply more than 1.5 pt. of this product (0.69 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per crop cycle (3 crop cycles per year) and 6 applications per year. • Minimum spray interval: 5 days • DO NOT apply more than 9 pt. of this product (4.20 lb. a.i.) per acre per year. 		

GRAIN SORGHUM (SEED CROP ONLY)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation broadcast	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 15 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. • Add 1 to 2 pt. of non-ionic surfactant per 100 gal. of water. • Apply 1 to 2 weeks of harvest and when seeds have a moisture content of 30% or less.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per year. • Minimum spray interval: 5 days • DO NOT apply more than 4 pt. of this product (1.26 lb. a.i.) per acre per year. • DO NOT graze or feed treated foliage to livestock. • DO NOT use seed from treated plants for food, feed or oil purpose. 		

PEPPERS AND ACORN SQUASH (FL)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Burndown after final harvest	2 (0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 35 gal. of spray per acre. • Add 1 to 2 pt. of non-ionic surfactant per 100 gal. of water. • Thorough coverage is needed to ensure maximum burndown. • Use of dirty or muddy water may result in reduced efficacy.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply in states other than Florida. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per crop cycle (3 crop cycles per year) and 6 applications per year. • Minimum spray interval: 5 days • DO NOT apply more than 12 pt. of this product (5.60 lb. a.i.) per acre per year. 		

POTATOES

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation broadcast	1 to 2 (0.47 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 20 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. • Where vine growth is dense, make a second application, if necessary, to obtain additional desiccation.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply to drought stressed Potatoes. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per year. • DO NOT apply more than 4 pt. of this product (0.93 lb. a.i.) per acre per year at minimum 5 day intervals. • Pre-Harvest Interval (PHI): 7 days 		

POTATOES (ID, NV, WA)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation broadcast plus Late blight fungicide tank-mixtures	1 to 2 (0.47 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 20 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. • Where vine growth is dense, make a second application, if necessary, to obtain additional desiccation. • Use this product in tank-mixtures with labeled rates of Chlorothalonil, Chlorothalonil-Zn, Copper Hydroxide, Mancozeb and other fungicides approved for use against Potato late blight. • It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply in states other than Idaho, Nevada, and Washington. • DO NOT apply to drought stressed Potatoes. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per year. • DO NOT apply more than 4 pt. of this product (0.93 lb. a.i.) per acre per year at minimum 5 day intervals. • Pre-Harvest Interval (PHI): 7 days 		

SPINACH AND TABLE BEETS GROWN FOR SEED ONLY (WA)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation broadcast	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: 15 to 30 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. • Apply 3 to 10 days before harvest prior to swathing when majority of the seeds are harvest-ripe.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply in states other than Washington • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 1 application per crop cycle (2 crop cycles per year) and 2 applications per year. • DO NOT apply more than 4 pt. of this product (1.87 lb. a.i.) per acre per year. • No portion of the Spinach or Table beets including, but not limited to seed screening, green chop, hay, chaff, combined tailings, pellets, meal, whole seed and cracked seed may be grazed, used or distributed for food or feed purposes. • Apply only to crops grown for seed production for pre-harvest desiccation. 		

SOYBEANS (SEED CROP ONLY)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation broadcast	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 15 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. • Add 1 to 2 pt. of non-ionic surfactant per 100 gal. of water. • Apply 1 to 2 weeks of harvest and when seeds have a moisture content of 30% or less.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per year. • Minimum spray interval: 5 days • DO NOT apply more than 4 pt. of this product (1.26 lb. a.i.) per acre per year. • DO NOT graze or feed treated foliage to livestock. • DO NOT use seed from treated plants for food, feed or oil purpose. 		

SUGAR BEETS GROWN FOR SEED ONLY (OR, WA)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation broadcast	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: 15 to 30 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. • Apply only to crops grown for seed production for pre-harvest desiccation. • Apply 3 to 10 days before harvest prior to swathing when majority of the seeds are harvest-ripe.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply in states other than Oregon and Washington. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 1 application per year. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per year. • No portion of the Sugar beets including, but not limited to seed screening, green chop, hay, chaff, combined tailings, pellets, meal, whole seed and cracked seed may be grazed, used or distributed for food or feed purposes. • Apply only to crops grown for seed production for pre-harvest desiccation. 		

TOMATO, EGGPLANT AND GREEN PEPPERS (FL)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Directed spray in row middles	2 (0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: 20 to 50 gal. of spray per acre • Add 0.5 to 1 pt. of non-ionic surfactant per 100 gal. of water. • Apply when weeds are 2 to 4 inches in height. Weed control will decrease if treatment is made to weeds more than 4 inches in growth. • This product can be tank-mixed with Paraquat for this use. • It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply in states other than Florida. • DO NOT apply within 30 days of harvest. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per crop cycle (3 crop cycles per year) and 6 applications per year. • Minimum spray interval: 5 days • DO NOT apply more than 12 pt. of this product (5.60 lb. a.i.) per acre per year. • Apply with 25 (psi) or less spray pressure. • Take care not to allow retreatment to come into contact with crop foliage or apply under conditions which will cause spray drift as crop injury will occur. • DO NOT apply when wind speeds exceed 5 mph. 		

TOMATO (FL, SC)

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Burndown after final harvest	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: 60 to 120 gal. of spray per acre. • Add 0.5 to 1 pt. of non-ionic surfactant per 100 gal. of water. • Thorough coverage is needed to ensure maximum burndown. • Use of dirty or muddy water may result in reduced efficacy. • To aid in the removal of Sweet potato whitefly, burn dried Tomato vines as soon as possible with propane burners.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT use in states other than Florida and South Carolina. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 2 applications per crop cycle (3 crop cycles per year) and 6 applications per year. • Minimum spray interval: 1 day • DO NOT apply more than 12 pt. of this product (5.60 lb. a.i.) per acre per year. 		

TREES, VINES, SMALL FRUITS

Acerola (West Indian Cherry); Almonds; Apples; Apricots; Avocados; Bananas; Blackberry; Blueberry; Boysenberry; Cherries; Coffee; Crabapple; Dates; Dewberry; Elderberry; Figs; Filberts; Ginseng; Gooseberry; Grapes; Grapefruit; Guava; Huckleberry; Jojoba; Kiwi; Lemons; Limes; Loganberry; Macadamia; Mangoes; Nectarines; Olives; Oranges; Papayas; Passion Fruit; Peaches; Pears; Pecans; Persimmons; Pistachios; Plantains; Plums; Pomegranates; Prunes; Raspberry; Tangelos; Tangerines; Walnuts

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Directed spray	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 15 gal. of spray per acre. • Use a shield or wrap when spraying around young trees and vines. • Take care not to allow spray to come into contact with green stems, foliage or fruit as this can cause injury to the crop.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application. • DO NOT make more than 1 application per year. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per year. • DO NOT use for food or feed for one year after application. • DO NOT graze treated areas. • This product can be used during site preparation prior to planting and up to 1 year prior to harvest. 		

Artichokes, Asparagus, Conifers, Cranberry

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Directed spray	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 15 gal. of spray per acre. • Use a shield or wrap when spraying around young trees and vines. • Take care not to allow spray to come into contact with green stems, foliage or fruit as this can cause injury to the crop.

USE RESTRICTIONS:

- **DO NOT** apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application.
- **DO NOT** make more than 3 applications per year.
- Minimum spray interval: 5 days
- **DO NOT** apply more than 6 pt. of this product (2.80 lb. a.i.) per acre per year.
- **DO NOT** use for food or feed for one year after application.
- **DO NOT** graze treated areas.
- This product can be used during site preparation prior to planting and up to 1 year of harvest.
- This product can be used during site preparation prior to planting and up to 1 year prior to harvest.

NON-CROP OR NON-PLANTED AREAS ON FARMS (Includes Barrier Strips; Dry/Non-flooded Areas Around Drainage Ditches, Lakes and Ponds; Equipment Areas; Farm Buildings; Farm Yards; Fence Lines; Fuel Storage Areas)

Use Pattern	This Product	USE INSTRUCTIONS
Broadcast	1 to 2 pt./A (0.47 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 15 gal. of water per acre. • Ensure good coverage.
Spot spray	2 to 4 pt. (0.93 to 1.87 lb. a.i.)	• Add the labeled rate of a 75% or greater non-ionic surfactant per 100 gal. of water.
	0.75 fl. oz. (22 mL) (0.02 lb. a.i.)	• Add the labeled rate of a 75% or greater non-ionic surfactant per 1 gal. of water.

USE RESTRICTIONS:

For broadcast applications:

- **DO NOT** make more than 6 applications per year at reduced rate applications.
- **DO NOT** apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per application
- **DO NOT** apply more than 6 pt. of this product (2.80 lb. a.i.) per acre per year.
- Minimum spray interval is 28 days.

For Spot applications:

- (See mixing/dilution instructions in chart above.)
- **DO NOT** make more than 3 applications per year at the 2 pt. (0.93 lb. a.i.) rate.
- **DO NOT** make more than 1 application per year at the 4 pt. (1.87 lb. a.i.) rate.
- **DO NOT** apply more than 6 pt. of this product (2.80 lb. a.i.) per acre per year.
- Minimum spray interval is 5 days.

COMMERCIAL GREENHOUSES AND NURSERIES

This product can be used to control weeds in commercial greenhouses (beneath benches), field grown and container stock, applied as pre-plant or post-plant pre-emergence in field grown ornamental nursery planting or post-emergence as a directed spray. This product may also be applied pre-emergence in Ornamental seed crops (except in the state of California).

Use Pattern	This Product	USE INSTRUCTIONS
Broadcast	1 to 2 pt./A (0.47 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 15 gal. of water per acre. • Add the labeled rate of a 75% or greater non-ionic surfactant per 100 gal. of spray mixture. • Ensure good coverage.
Spot spray	1 to 2.12 pt. (0.47 to 1.0 lb. a.i.)	• Add the labeled rate of a 75% or greater non-ionic surfactant per 100 gal. of water.
	0.75 fl. oz. (22 mL) (0.022 lb. a.i.)	• Add the labeled rate of a 75% or greater non-ionic surfactant per 1 gal. of water.

USE RESTRICTIONS:

For Broadcast treatments:

- The use of mechanically-pressurized handguns to apply this product in greenhouses is prohibited.
- **DO NOT** apply more than 4 applications per year.
- **DO NOT** exceed x pt. (0.53 lb. a.i.) per acre per application.
- **DO NOT** exceed x 2.12 pt. (1.0 a.i.) per acre per year.
- **DO NOT** apply within 28 days of previous application.

For Spot Treatment:

- For Spot treatments: (See mixing/dilution instructions in chart above.)
- **DO NOT** apply more than 4 applications per year.
- **DO NOT** exceed x 0.53 pt. (0.25 lb. a.i.) per acre per application.
- **DO NOT** exceed x 2.12 pt. (1.0 lb. a.i.) per acre year.
- **DO NOT** apply within 5 days of previous application.

ORNAMENTAL SEED CROPS (FLOWERS, BULBS: (Not registered for use in the state of California.))

Use Pattern	This Product (Pt./A)	USE INSTRUCTIONS
Pre-harvest desiccation and weed burndown broadcast	1.5 to 2 (0.69 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • By Ground: Minimum of 15 gal. of spray per acre. • By Air: Minimum of 5 gal. of spray per acre. • Add the labeled rate of a 75% or greater non-ionic surfactant.
USE RESTRICTIONS: <ul style="list-style-type: none"> • DO NOT use on food or fiber crops. • DO NOT apply more than 2 pt. of this product (0.93 lb. a.i.) per acre per year. • DO NOT make more than 4 applications per year at 0.53 pt. of this product (0.25 lb. a.i.) per acre. Minimum spray interval is 5 days. • DO NOT use seed, screenings or waste as feed or for food consumption. 		

COMMERCIAL, INDUSTRIAL, LANDSCAPE, RECREATIONAL, RESIDENTAL AND PUBLIC AREAS

This product is a contact/desiccant, non-selective herbicide that provides rapid control of undesirable growth including broadleaf and grassy weeds. It can be used as a broadcast or spot spray using the rates listed below for Ground maintenance weed control; Trim and Edge weed control; Industrial weed control; Weed control in Commercial buildings and structures (e.g., Apartment buildings, Condominiums, Hotels/ Motels, Office buildings), Industrial sites (e.g., Airports, Electric utilities, Lumberyards, Manufacturing plants, Parking lots, Pipelines, Pumping stations, Transformer stations and substations, Storage yards, Tank farms), Recreation areas (e.g., Athletic fields, Cart paths, Fairgrounds, Golf courses, Parks, Race tracks, Tennis courts), Residential areas (e.g., Driveways, Fence lines, Landscapes, Lawns, Ornamental gardens, Patios, Sidewalks, Walkways), Public areas (e.g., Rights-of-way including Dividers and Medians, Highways, Parking lots, Public utility lines, Railroad, Roads), Around trees, Beneath non-commercial greenhouse benches, Ground covers, Ornamental bedding plants, Around edges and Non- flooded portions of ditches, lakes and ponds.

Complete coverage of the target weeds is essential to get good control. Improper application techniques and/or application to stressed weeds may result in unacceptable weed control. For best results, apply to actively growing, young weeds.

To control difficult weeds including perennial or deeply-rooted weeds, tank-mix this product with other systemic type of herbicides. For residual weed control, tank-mix this product with a pre-emergent herbicide labeled for the intended use site. If compatibility with the tank-mix product is not known, mix just a small amount first to determine if the mixture is physically compatible before proceeding with larger volumes. It is the pesticide user's responsibility to ensure that all tank-mixture products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.

Use Pattern	This Product	USE INSTRUCTIONS
Broadcast	1 to 2 pt./A (0.47 to 0.93 lb. a.i.)	<ul style="list-style-type: none"> • Use sufficient water to ensure good spray coverage. • Apply in minimum 60 gal. of water for dense weeds. • Add the labeled rate of a 75% or greater non-ionic surfactant per 100 gal. of spray mixture.
Spot spray	2 to 4 pt. (0.93 to 1.87 lb. a.i.)	• Add the labeled rate of a 75% or greater non-ionic surfactant per 100 gal. of water.
	0.75 fl. oz. (22 mL) (0.22 lb. a.i.)	• Add the labeled rate of a 75% or greater non-ionic surfactant per 1 gal. of water.

USE RESTRICTIONS:**For broadcast application:**

- **DO NOT** apply more 3 application per year at the rate of 2 pt. (0.93 lb. a.i.) per acre per application.
- **DO NOT** apply more than 6 applications per year at reduced application rates of 1 pt. (0.46 lb. a.i.) per acre per application.
- **DO NOT** apply more than 6 pt. (2.80 lb. a.i.) per acre per year.
- Minimum retreatment interval is 28 days.

For spot treatment: (See mixing/dilution instructions in chart above.)

- **DO NOT** apply more than 3 applications at 2 pt. of this product (0.94 lb. a.i.) per acre per year.
- **DO NOT** apply more than 1 applications at 4 pt. of this product (1.87 lb. a.i.) per acre per year.
- **DO NOT** apply more than 6 pt. of this product (2.80 lb. a.i.) per acre per year.
- Minimum retreatment interval is 5 days.

TURF RENOVATION (ALL TURF AREAS EXCEPT COMMERCIAL SOD FARMS)

To desiccate Golf course Turf, Sports field Turf, Greenspaces, Parks, Cemeteries, prior to renovation, apply 1 to 2 pints of this product (0.47 to 0.94 lb. a.i.) per acre plus the labeled rate of 75% or greater non-ionic surfactant in 20 to 100 gallons of water (4 tsp. of this product) plus the labeled rate of a 75% or greater non-ionic surfactant per 1 gal. of water) using ground spray equipment.

For suppression of regrowth and quick desiccation of treated Turfgrass, tank-mix this product with other systemic non-selective or systemic post-emergence grass weed herbicides. It is the pesticide user's responsibility to ensure that all tank-mixture products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.

USE RESTRICTIONS:

- **DO NOT** apply more than 2 pints of this product (0.93 lb. a.i.) per acre per application.
- **DO NOT** make more than 2 applications per year.
- Minimum spray interval: 28 days.
- **DO NOT** apply more than 4 pints of this product (1.87 lb. a.i.) per acre per year.
- **DO NOT** graze livestock on treat turf or feed treated thatch to livestock.

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

To control of emerged annual broadleaf and grass weeds including Annual bluegrass, Bromes including Rescuegrass, Buttercup, Carolina geranium, Henbit, Little Barley* and Six-weeks fescue in established dormant Bermudagrass and Zoysia lawns, Parks, Golf courses, apply 1 to 2 pints of this product (0.47 to 0.93 lb. a.i.) per acre in 20 to 100 gallons of spray mix by ground as a broadcast application. Add the labeled rate of 75% or greater non-ionic surfactant per 100 gallons of spray mixture.

Bermudagrass or Zoysiagrass must be dormant at application. Application to actively growing Bermudagrass or Zoysiagrass 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.

*To control Little Barley, apply this product prior to the mid-boot stage.

USE RESTRICTIONS:

- **DO NOT** apply more than 2 pints of this product (0.93 lb. a.i.) per acre per application.
- **DO NOT** make more than 2 applications per year.
- Minimum spray interval: 28 days.
- **DO NOT** apply more than 4 pints of this product (1.87 lb. a.i.) per acre per year.

AQUATIC USES (Not Registered for Sale or Use in state of New York)

If required, obtain the necessary approval and/or permits prior to application. Consult the responsible State Agencies (i.e., Fish and Game Agencies or Department of Natural Resources).

Waters treated with this product may be hazardous to non-target aquatic organisms. Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead biomass. This oxygen loss can cause fish and invertebrate suffocation. To minimize this hazard, do not use products containing Diquat dibromide to treat more than one-half of the water body (excluding water infrastructure and constructed conveyances such as drainage canals, ditches and pipelines or intakes and aqueducts for drinking water or irrigation use) to avoid depletion of oxygen due to decaying vegetation. Wait at least 7 days between Diquat dibromide treatments of contiguous waterbody sections. Begin treatment along the shore and proceed outward in bands to allow fish to move into untreated areas. Consult with the state or local agency with primary responsibility for regulating pesticides before applying this product to public waters to determine if a permit is required.

The use of a vehicle-mounted boom sprayer to apply this product above the water surface for treatment of floating, emergent, or marginal vegetation, except for applications made via aircraft, is prohibited. This prohibition does not apply to applications made below the water surface via submersed or trailing hoses.

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 one-third to one-half of the water body area at one time and wait 14 days between treatments.

For best results on submersed weeds, apply this product to actively growing (photosynthesizing) weeds when water temperatures have reached or exceeded approximately 50°F, typically during the Spring or early Summer.

For application only to still water (e.g., farm ponds, farm lakes and farm 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 (e.g., PAM II Spectrometric Method) shows that the water does not contain more than the designated maximum contaminant level goal (MCLG) of 0.02 mg/L (ppm) of Diquat dibromide (calculated as the cation):

Water Use Restrictions Following Application of This Product (Days)

This Product Per Surface Acre (Gal.)	Drinking Water	Fishing and Swimming	Livestock Consumption	Spray Tank Applications** and Irrigation to Turf and Ornamentals	Spray Tank Applications** and Irrigation to Food Crops and Production Ornamentals
0.75 (2.80 lb. a.i.)	2 days	0	1 day	2 days	5 days
0.5 (1.87 lb. a.i.)	1 day	0	1 day	1 day	5 days
Spot Spray* (< 0.5 gal.) (< 1.87 lb. a.i.)	1 day	0	1 day	1 day	5 days

*Rates refer to total surface area.

For preparing agricultural sprays for food crops, Turf or Ornamentals (to prevent phytotoxicity), **DO NOT use water treated with this product before the specified time periods. 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.

Submersed Weeds* At Water Depths Greater Than 4 Feet (AL, CA, FL, ID and SC Only)

If water depth exceeds 4 feet, rates per surface acre listed below may be required to control submersed weeds.

Water Depth (Ft.)	This Product Per Treated Surface Area (Gal.)
5	1.0 to 2.5 (3.73 to 9.32 lb. a.i.)
6	1.0 to 3 (3.73 to 11.19 lb. a.i.)
7	1.0 to 3.5 (3.73 to 13.05 lb. a.i.)
8	1.0 to 4.0 (3.73 to 14.92 lb. a.i.)
9	1.0 to 4.5 (3.73 to 16.79 lb. a.i.)
10	1.0 to 5.0 (3.73 to 18.65 lb. a.i.)
11	1.0 to 5.5 (3.73 to 20.52 lb. a.i.)
12	1.0 to 6.0 (3.73 to 22.38 lb. a.i.)

*Includes Hydrilla in Alabama and Brazilian waterweed (*Egeria densa*) in California.

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.

Water Use Restrictions Relative to Operating Potable Water Intakes (FL, ID and SC)

- **Flowing Water (e.g., Canals, Rivers, Streams): DO NOT** apply within 1600 feet upstream or within 400 feet downstream of operating potable water intake sites.
- **Standing Water (e.g., Lakes, Reservoirs): DO NOT** apply within 1400 feet for rates at 2 gallons per surface acre; within 700 feet for rates at 1 gallon per surface acre; or within 350 feet for rates equal to or less than 0.5 gallon per surface acre of potable water intake sites. For rates between 1 and 2 gallons per surface acre, distance may be adjusted (e.g., 1.75 gal. = 1225 ft.; 1.5 gal. = 1050 ft.; 1.25 gal. = 875 ft.).
- To make applications within these restricted areas, the intake must be turned off for the time period specified in the above **Water Use Restrictions Following Applications With This Product (Days)** table.

NOTE: This product can only be applied in the states of FL, ID and SC. DO Not use in states other those expressly written.

FLOATING AND MARGINAL WEEDS

This product can be used to control floating and marginal weeds including those listed below. This product may be applied by airboat, airplane, backpack, helicopter, spray handgun or similar application equipment that provides thorough spray coverage.

Duckweed (<i>Lemna</i> spp.) Frog's bit (<i>Limnobium spongia</i>)* Pennywort (<i>Hydrocotyle</i> spp.)	Salvinia spp. (including <i>S. molesta</i>) Water hyacinth (<i>Eichhornia crassipes</i>)	Water lettuce (<i>Pistia stratiotes</i>)
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*Not registered for use in California.

Broadcast Treatment

This Product Per Surface Acre (Gal.)*	USE INSTRUCTIONS
0.5 to 0.66 (1.88 to 2.5 lb. a.i.)	Good coverage is necessary for control of the target weed(s). Apply this product in sufficient carrier plus 16 to 32 fl. oz./A of an approved wetting agent. Repeat application as needed for densely populated areas at minimum 14 day intervals.

USE RESTRICTIONS:

- **DO NOT** apply more than 2 gal. of this product (7.46 lb. a.i.) per surface acre per application.
- **DO NOT** make more than 12 applications per year.
- **DO NOT** apply more than 24 gal. of this product (89.52 lb. a.i.) per surface acre per year.
- Minimum spray interval is 14 days.

* For Duckweed control, apply this product at the rate of 1 to 2 gal. (3.73 to 7.46 lb. a.i.) per surface acre.

Spot Treatment

This Product Per Surface Acre (Gal.)	USE INSTRUCTIONS
0.5 (1.87 lb. a.i.)	Apply this product in 100 gal. of spray carrier (0.5% v/v solution) plus 0.25 to 1% v/v (2 pt. to 1 gal./100 gal. of water) of an approved wetting agent. Spray to completely wet target weed(s) but not to runoff. Repeat application as needed for complete control at minimum 14 day intervals.

USE RESTRICTIONS:

- **DO NOT** apply more than 2 gal. of this product (7.46 lb. a.i.) per surface acre per application.
- **DO NOT** make more than 12 applications per year. Minimum spray interval is 14 days.
- **DO NOT** apply more than 24 gal. of this product (89.52 lb. a.i.) per surface acre per year.

SUBMERSED WEEDS

This product can be used to control submersed weeds including the following:

Algae (<i>Spirogyra</i> and <i>Pithophora</i> spp.)* Bladderwort (<i>Utricularia</i> spp.) Brazilian waterweed (<i>Egeria densa</i>) Coontail (<i>Ceratophyllum demersum</i>)	Hydrilla (<i>Hydrilla verticillata</i>) Naiad (<i>Najas</i> spp.) Pond weeds (<i>Potamogeton</i> spp.)**	Watermilfoils (including Eurasian) (<i>Myriophyllum</i> spp.) Waterweeds (<i>Elodea</i> spp.)
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*Suppression only. For control, apply this product in tank-mixture with an approved algaecide.

**Except Richardson's pondweed (*Potamogeton richardsonii*).

Application

Apply this product in water at 0.5 gallons (1.87 to 7.46 lb. a.i.) per surface acre (per 4 ft. water depth). For severe weed infestations, use the 2 gallons (7.46 lb. a.i.) per surface acre rate. For best results, retreat as necessary on a 14 to 21 day intervals.

Note: For severe weed or Algae infestations, the use of an approved Algaecide prior to application of this product or as a tank-mixture may result in enhanced weed control. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.

The table below shows how many gallons of this product to apply per surface acre based on water depth.

Base Rate	This Product (Gal.) Per Surface Acre			
	Average Water Depth			
	1 Ft.	2 Ft.	3 Ft.	4 Ft.
1 Gal./Surface Acre (3.75 lb. a.i.)	0.25 (0.93 lb. a.i.)	0.5 (1.87 lb. a.i.)	0.75 (2.80 lb. a.i.)	1.0 (3.73 lb. a.i.)

Subsurface Applications: Where growth of submersed weeds (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: Where growth of water submersed weeds, particularly Bladderwort, Coontail or Hydrilla have reached the water surface and/or where the water is slowly moving through the weed growth, control may be enhanced when applied in an invert emulsion carrier injecting this product in a diluted form near the bottom with weighted hoses. The addition of a Copper based algaecide may improve control. If Algae are present along with the submersed weeds, a pretreatment with an approved algaecide may improve overall control.

Surface Application for Submerged Aquatic Weeds: For submerged aquatic weeds, apply this product either as concentrate slowly poured directly from the container in strips or as a spray in sufficient carrier. Make applications ensuring complete coverage of the target areas. In mixed weed populations, use the high labeled rate of application as indicated by weeds present.

Use Restrictions

- The use of a vehicle-mounted boom sprayer to apply this product above the water surface for treatment of floating, emergent, or marginal vegetation, except for applications made via aircraft, is prohibited. This prohibition does not apply to applications made below the water surface via submerged or trailing hoses.
- **DO NOT** apply more than 0.26 gallons of this product (1.0 lb. a.i.) per surface acre (per 4 ft. water depth) per application.
- **DO NOT** make more than 12 applications per year.
- Max allowable annual application rate: 11.64 lb. a.i. / year.

Note: If posting is required by your state or tribe, consult the agency responsible for pesticide regulations for specific details.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE 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 temperature above 32°F. Open dumping is prohibited. For help with any spill, leak, fire or exposure involving this material, call CHEMTREC at 800-424-9300.

PESTICIDE DISPOSAL: To avoid waste, use all materials in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often, such programs are run by state or local governments or by industry).

CONTAINER HANDLING:

Nonrefillable Container (plastic; ≤ 5 gal.): Nonrefillable container. DO NOT reuse or refill this container. Clean container promptly after emptying. 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 one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available, or dispose of empty container in a sanitary landfill or by or by other procedures allowed by state and local authorities.

Nonrefillable Container (plastic; > 5 gal. up to < 250 gal.): Nonrefillable container. DO NOT reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth 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. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling, if available, or dispose of empty container in a sanitary landfill or by or by other procedures allowed by state and local authorities.

Plastic Refillable Container (≥ 250 gal. and Bulk): Refillable container. Refill this container with pesticide 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. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Offer for recycling, if available, or dispose of empty container in a sanitary landfill or by or by other procedures allowed by state and local authorities.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and / or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

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