

GROUP	22	HERBICIDE
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REWARD®

Aquatic Herbicide

Solution

RESTRICTED

For control of weeds in still or slow-moving water of farm dugouts, farm ponds, farmditches, lakes and canals, and for weed control in non-crop land and chemical mowing.

GUARANTEE:

diquat ion, 240 g per litre
(present as dibromide)

**READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

WARNING



POISON

CAUTION – EYE AND SKIN IRRITANT

REGISTRATION NO. **26271**
PEST CONTROL PRODUCTS ACT

Syngenta Crop Protection Canada, Inc.
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WARNING!
***HARMFUL OR FATAL IF SWALLOWED.**
HARMFUL IF INHALED, AVOID INHALING/BREATHING DUST,
SPRAYS, ETC.
***CAUSES SUBSTANTIAL, BUT TEMPORARY, EYE INJURY.**
***DO NOT GET IN EYES, SKIN OR ON CLOTHING.**
***NEVER TRANSFER TO OTHER CONTAINERS.**
*** KEEP OUT OF REACH OF CHILDREN AND ANIMALS.**
MAY IRRITATE THE SKIN, AVOID CONTACT WITH SKIN.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

NATURE OF RESTRICTION: This product is to be used only in the manner authorized, consult local pesticide regulatory authorities about use permits which may be required.

RESTRICTED USES

For the control of water weeds such as Coontail (***Ceratophyllum sp***), Duckweed (***Lemna sp***), Canada Water Weed (***Elodea, Anacharis sp***), Pondweeds (***Potamogeton sp***), and Water Milfoil (***Myriophyllum sp***) in still or slow flowing water of farm dugouts, farm ponds, farm ditches, lakes and canals, apply REWARD at 18.3 L/ha (1 ha = 10,000 m² or 100 m x 100 m). 1.9 litres of REWARD will treat a farm dugout 25 m x 50 m. Milfoil may be controlled at 9.2 L/ha in the early stages of growth. For the control of growing weeds in 1.5 m of water or less, use 18.3 L/ha of REWARD. For the control of growing weeds in more than 1.5 m of water, apply 25-29.2 L/ha of REWARD.

Algae: *Cladophora, Spirogyra, and Pithophora sp.* will be temporarily controlled at the above rates. Repeat treatments may be required for full season control of these species. REWARD will not control ***Chara*** (Stonewort, Muskgrass). REWARD, after suitable dilution with clean water, may be injected below the water surface, sprayed over the water surface or poured directly onto the surface while moving over the surface in a boat, or may be applied from the banks of small bodies of water.

To inject below the water surface, a suction type of boat bailer is mounted on the cavitation plate of an outboard motor and the end of the inlet tube inserted into a solution containing 1 part REWARD diluted with at least 10 parts of clean water. Make lines of travel at regular intervals through the water (3 m or less apart) over the area to be treated until the whole area has received a uniform application.

For Surface application, dilute 1 part REWARD with at least 4 parts clean water and spray over water surface, pour directly onto water surface or apply from the banks of small bodies of water.

Timing of Application: Apply only after weeds are visible and in an active stage of growth which is normally sometime in late May through June as growth is dependent on water temperatures. Application should be made to actively growing weeds before they become so thick that they make application difficult. **Application to dense growth of mature weeds will not give satisfactory control.**

Repeat treatments may be required if weed growth reappears. For temporary control of water weeds growing above the surface of the water, such as waterlilies, uniformly spray with REWARD at 9.2 to 26.7 L in 1700 to 2200 L of water per hectare to thoroughly wet the foliage. Use AGRAL[®] 90 at 1 L per 1000 L of water.

LIMITATIONS

In some provinces of Canada permits are required before chemicals such as REWARD can be added to water. Consult local authorities before applying REWARD to ascertain whether such a permit is required in your area. Do not use treated water for at least 24 hours after treatment for swimming and animal consumption. For human consumption and irrigation do not use for at least 5 days after treatment. To protect the fish in small lakes and ponds with a dense weed growth, treat not more than 1/4 to 1/3 of the area at one time, otherwise the dying weeds over a large area will cause a serious loss of oxygen which may injure or kill the fish. Do not apply to muddy water and do not agitate water excessively during 1 or 2 days after treatment or the effectiveness of the chemical will be reduced. Use clean water for diluting the chemical.

Do not use wetting agents for water treatment, except as specified. Avoid application or drift onto crops, ornamental plants, lawns, grazing areas or other desirable growth. Do not apply through mist blowers.

It is important to thoroughly wash equipment after spraying - use a detergent or wetting agent (AGRAL 90 at 60 mL per 100 L of water), flush and spray out, then thoroughly rinse with clean water. When possible, the equipment should be filled with clean water and left overnight. Spray out before storing equipment or using for other materials.

DIRECTIONS FOR USE

Weed Control in Non-Crop Land and Chemical Mowing - Apply 2.3 to 4.5 litres in a minimum of 225 litres per hectare of water. Use the higher rate and higher water volumes for dense weed growth. Maximum solution strength should not exceed 200 mL REWARD in 10 litres water. Thoroughly wet all foliage. Avoid spray mist contacting the foliage or green bark of desirable plants.

REWARD will provide a rapid top-kill of weeds and grasses when applied as a foliar spray. REWARD may be added to tank mixes of certain soil sterilants where immediate top-kill and long term soil sterilization is required. The combined use with soil sterilants should be based on previous experimental experience, and recommendations on the label of the residual herbicide.

PRODUCT INFORMATION

REWARD is a non-volatile fast acting herbicide for the control of water weeds and when used as directed, presents no hazard to fish, other aquatic life or animals and humans making use of the treated water within the limitations prescribed. Control of susceptible weeds generally occurs within 1 to 2 weeks.

REWARD is inactivated upon contact with soil, mud or lake bottoms. Therefore, it has no residual herbicidal effect.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If in eyes, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

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

TOXICOLOGICAL INFORMATION

To be effective, treatment for ingestion of the product must begin IMMEDIATELY. If swallowed, give stomach a wash-out and test urine and gastric aspirate for diquat. If positive, give up to 1 litre of adsorbent suspension (e.g., activated charcoal, bentonite clay, etc.) mixed with a purgative ($MgSO_4$, Na_2SO_4 or mannitol). Repeat administration of adsorbent suspension every 2 hrs for first 24 hrs and every 4 hrs for the next 24 hrs, plus purgatives as required. Maintain and monitor electrolyte and fluid status daily. Consider haemodialysis or haemoperfusion using charcoal column.

If in eyes, treat symptomatically, using antibiotics and steroids as necessary.

PRECAUTIONS

EXCESSIVE EXPOSURE TO DIQUAT MAY CAUSE A HEALTH HAZARD. FOLLOWING THE DIRECTIONS AND PRECAUTIONS WILL REDUCE EXPOSURE.

Wear chemical resistant apron over coveralls, chemical resistant gloves, chemical resistant footwear and goggles or face shield during mixing and loading. Wear coveralls, chemical resistant gloves, chemical resistant footwear and chemical resistant goggles or face shield during clean up and repair. Most exposure to pesticides is by absorption through skin, especially from concentrated material handled at the time of mixing and loading. Since most of this exposure is on the hands and forearms, use of long-sleeve chemical resistant water proof gloves will reduce exposure substantially. Rolling down the sleeve end of the glove will prevent drips of liquid from running down the glove onto your arm.

If concentrate splashes onto the side of the spray tank, and you subsequently lean against the tank, the clothing and skin over the abdomen will be exposed to REWARD Aquatic Herbicide concentrate. Use of a chemical resistant apron will reduce this likelihood. If clothing has been contaminated, remove it and launder it as soon as possible. Do not leave wet contaminated clothing in contact with skin for extended periods. Wash clothing in detergent and hot water before reuse. REWARD Aquatic Herbicide is irritating to eyes. Always use chemical resistant goggles and/or a face shield. AVOID WORKING IN SPRAY MIST. If ventilation is not adequate, wear an appropriate pesticide respirator. If necessary wear an approved face mask and eyeshield.

Do not eat, drink, handle or use tobacco, or apply cosmetics in areas where there is potential for exposure to this product. Wash hands and face before eating, drinking, handling tobacco or using the toilet. Store and wash all protective clothing separately from household laundry.

Do not contaminate food, feed, domestic or irrigation water supplies, lakes, streams and ponds.

STORE IN ORIGINAL CONTAINER tightly closed in a safe place away from children.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at www.croplife.ca.

STORAGE

Store in original container, tightly closed, in a safe place away from children.

Store above 0 °C. If crystallization occurs because of storage below this, warm to room temperature and agitate gently until reconstituted.

DECONTAMINATION AND DISPOSAL

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

CONTAINER DISPOSAL:

FOR DISPOSAL OF PLASTIC JUGS:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

**IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
CALL 1-800-327-8633 (FASTMED)**

Resistance-Management Recommendations

For resistance management, REWARD is a Group 22 herbicide. Any weed population may contain or develop plants naturally resistant to REWARD and other Group 22 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

Where possible, rotate the use of REWARD or other Group 22 herbicides with different herbicide groups that control the same weeds in a field.

Use tank mixtures with herbicides from a different group when such use is permitted.

Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.

Monitor treated weed populations for resistance development. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.

Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.

For further information and to report suspected resistance, contact company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.