

**KEEP OUT OF REACH OF CHILDREN.
POISON**

Dy-quat™

DESICCANT AND CONTACT HERBICIDE

For use as a herbicide for weed control in forestry and waterways and as a desiccant in Barley, Green Beans, Lentils, Lucerne, Peas, Red and White Clover and for Potato Haulm destruction.

Read the Label Carefully before use

Active Ingredient:
Contains 200 g/litre diquat as the
dibromide salt in the form of a soluble concentrate.

HERBICIDE



AGRECOVERY

Registered to:
Elliott Technologies Limited
PO Box 838, Pukekohe
Phone: 0800 100 325
www.elliott-technologies.co.nz

**NET CONTENTS:
20 LITRES**

Elliott

208mm deep

182mm wide

HSNO Class: 6.1C, 6.3A, 6.9A, 8.1A, 9.1A, 9.3C

This product must be Tracked and controlled by an Approved Handler

HEALTH WARNING: DANGER

May be fatal if swallowed, inhaled or absorbed through the skin.
May cause skin irritation.
May cause eye damage from repeat oral exposure at high dose rates.

CORROSIVE:

This product is corrosive to metal.

ENVIRONMENTAL WARNING: Very toxic to aquatic organisms. Harmful to terrestrial vertebrates.

PRECAUTIONS:

HANDLING PRECAUTIONS: When mixing or applying, avoid contact with skin and eyes and inhalation of the spray mist. Wear protective clothing and water proof gloves. Do not eat drink or smoke while using. Wash hands, face and exposed skin before meals and after work. Wash protective clothing after work. Avoid spray drift onto desirable plants.

VERY TOXIC TO AQUATIC ORGANISMS: DO NOT contaminate sewers, drains, dams, creeks or any other waterways with product or empty container. HARMFUL TO TERRESTRIAL VERTEBRATES.

STORAGE: Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. This product is classified under HSNO as 6.1C and 9.1A, and storage of certain quantities may require bunding and signage. See the Product Safety Card for further information. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this

PRODUCT DISPOSAL: Ensure unwanted product is used by another operator strictly in accordance with label directions.

CONTAINER DISPOSAL: Triple rinse container and add residue to spray tank. Recycle through the Agrecovery Scheme or, if this is not possible, burn if permitted and circumstances, especially wind direction allow, otherwise bury in landfill.

TRACKING: Records of all use must be kept. DO NOT Carry on passenger service vehicles.

APPLICATION: Storage and record keeping should be as described in the Management of Agricultural Chemicals NZS8409.

SPILLAGE: In the event of spillage, keep people away. Absorb spillage with soil, clay, sawdust or other absorbent material. Clay and soil will deactivate Dy-Quat. Place sweepings into a sealable drum and label. Dispose of sweepings in safety and in accordance with local regional requirements. Wear overalls, gloves and rubber boots when cleaning up spills. In the case of a major spillage, contact the Fire Service and local regional and health authorities.

FIRST AID: If swallowed DO NOT induce vomiting. For advice, contact the National Poisons Centre 0800 Poison (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. DO NOT SCRUB THE SKIN. If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. Take to hospital without delay

BEWARE: Apply this product carefully. Spray drift may cause serious damage to desirable plants.

GENERAL INFORMATION

Dy-Quat is a fast acting contact herbicide that acts on the green parts of broadleaved plants by disrupting the photosynthetic process. It is inactivated through soil contact and therefore has no root activity on plants. The addition of a non-ionic surfactant or Du-Wett Superspreader is recommended for general weed control but not for use as a Potato Haulm desiccant or for Aquatic weed control when using subsurface injection methods of application.

MIXING

Dy-Quat may be inactivated if applied in water containing soil particles or other colloids. Use only clean water to apply. Half fill the spray tank, add the required amount Dy-Quat with agitation operating. Continue to fill the tank and add surfactants last, before the tank is full where these may be used.

DG Class 8

**UN-1760, CORROSIVE LIQUID,
N.O.S.**

(contains 200 g/litre diquat)

**24 Hour
Emergency Response
0800CHEM CALL
0800 243 622**

Batch No.

DOM



EL338

Registered pursuant to the ACVM Act7 No. P 8148
See www.nzlsa.govt.nz/acvm/ for registration conditions
HSNO Approval Number: HSR000446
Trade mark of Elliott Technologies Limited
®1 Registered Trade mark of Forest Services Ltd
®2 Registered Trade mark of Loveland Products



RECOMMENDATIONS

AQUATIC WEED CONTROL (Submerged weeds)

Weeds Controlled: Canadian pondweed (*Elodea canadensis*)
Lagarosiphon (*Lagarosiphon major*)
Pondweeds (*Potamogeton crispus* & *Potamogeton ochreatus*)
Hornwort (*Ceratophyllum demersum*) * 1

Situation	Rate	Comments
Lakes and Ponds	Boom / Trailing hose-30 litres per surface hectare. Handgun-2 litres / 100 litres of water applied at 1.5 litres of spray mix per 10M2	Ensure even application by mixing with sufficient water to spread the product over the area to be treated. May be applied with boom spray equipment – boat or aerial. May also be applied sub surface by use of trailing dropper nozzles. For aerial application, a non-ionic surfactant may be used. The addition of Aquagel®1 should be considered when treating submerged weed masses to maintain a herbicidal concentration within the weed mass.
Drains and waterways	30 litres per surface hectare. *2	Gun spray or apply with trailing nozzles. Application in an upstream direction is recommended. DO NOT APPLY in waterways where the flow rate is greater than 30 cm/sec – 1 kph.

*1 Hornwort (*Ceratophyllum demersum*) often grows in turbid water where Dy-Quat is much less active. Use of Aquathol® is recommended in these situations.

*2 Only recommended for submerged broadleaved weeds. For drain banks use an alternative product such as paraquat or glyphosate.

NOTES: 1. Must not be applied from a fixed point.

2. DO NOT allow bathing, water take for human consumption, fish farming or livestock watering for 24 hours after application is complete.

3. DO NOT apply to more than 25% at any one time in any standing water body to maintain oxygen supply for aquatic species.

4. Treated still water should not be used for overhead irrigation, until 10 days after treatment. However water from a flowing water course may be used 24 hours after treatment.

5. Dy-Quat is not active in turbid, muddy water or in water with more than 1ppm organic matter.

6. Treatment is best when water levels are at their lowest and temperatures are high.

FORESTRY

Situation	Rate	Comments
Wilding Pine Control	3 - 10 Litres/ha	For use in mixtures to aid in the desiccation of Wilding Pine

POTATOES

Situation	Rate	Comments
Haulm Desiccation	4-6 litres/ha	Make two applications 7-10 days apart in 600-1100 litres of water.
Very Dense Haulms	1st application: 3-4 litres/ha 2nd application: 1.5-3 litres/ha Or A single application of 4-6 litres in 900-1100 litres of water/ha as a single pass.	Dy-Quat should be applied about 14 days before proposed harvest date. Leaf kill following application is rapid, usually about 4 days, but stem kill will take up to 14 days, depending on factors such as haulm density and weather conditions following treatment. Dy-Quat kills more rapidly under bright sunny weather. If hardened top growth is present on plants to be treated, the split application is preferable for best results.
Moderate to sparse haulms.	3-4 litres/ha	Apply in 600-1100 litres of water per ha.
Pre-Digging broad leaved weed control	1.5-4 litres/ha Apply in 350-450 litres of water/ha	Weeds may become a problem when harvesting has been postponed, making harvesting difficult. For broadleaved weed control apply with Activewett® spreader at 25ml/100 litres.

NOTES: 1. Dy-Quat is not recommended for use on Rua variety of Potatoes.

2. The rate of Dy-Quat required will be governed by the density and vigour of haulms present at the time of desiccation. Vigorous varieties such as Sebago and Tahi may require two applications applied at 7-10 days apart to ensure complete spray penetration.

3. Avoid application to Potato haulms when heavily laden with early morning dew. Spraying under these conditions will lead to excessive run off, poor spray retention and poor haulm destruction.

4. During prolonged dry conditions, tuber damage may occur. DO NOT spray when soil is very dry.

5. Do not use a wetting agent with Dy-Quat for haulm desiccation.

CROP DESICCATION

Crop	Situation	Rate	Comments
Barley, Wheat, Oats**	To desiccate weeds in a fully mature crop to aid in a clean bulk harvest	3-4 litres/ha in 350 litres of water	Apply to a mature crop in sufficient water to obtain coverage of the weeds. Add Activewett at 25ml/100 litres.
Green Beans, Lentils, Peas and Soya Beans grown for seed	Crop and weed desiccation	3-4 litres/ha in 350 litres of water	Apply 7 days prior to harvest when seeds are fully developed and pods are drying. Add Activewett at 25ml/100 litres.
Lucerne, Red and White Clover seed crops	To assist with harvest by halting further crop growth once the main seed set has matured.	3-4 litres/ha in 300-350 litres of water	Apply as soon as the seed from the main flowering has matured. Add Activewett at 25ml/100 litres.

Withholding Period: Beans, Lentils and Peas – 7 Days

EXCLUSION OF LIABILITY: PLEASE READ

To the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, Elliott Technologies Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these goods.

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