

DANGER

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

DIQUAT 200

HERBICIDE

ACTIVE INGREDIENT: 200 g/litre DIQUAT as the dibromide salt in the form of a soluble concentrate.

GROUP 22 HERBICIDE

For use as a desiccant to control a wide range of broadleaf weeds in Barley, Green Beans, Lucerne, Peas, Red Clover, Wheat and White Clover and haulm destruction in Potatoes.



Registered pursuant to the ACVM Act 1997, No. P008096

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR000446

See www.epa.govt.nz for approval controls

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Registrant:

Kenso Corporation (M) Sdn Bhd

Lot 29, Jalan Sungai Pinang 5/4, Taman Perindustrian Pulau Indah, 42920 Pelabuhan Klang, Selangor, Malaysia.

NZ Agent:

Kenso NZ Limited

2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand.
Ph: 0800 536 766

DIQUAT 200 HERBICIDE

This product **MUST** be Tracked and controlled by an appropriate trained and experienced applicator.

HAZARD CLASSIFICATION

Corrosive to metals Category 1, Acute oral toxicity Category 4, Acute inhalation toxicity Category 3, Skin irritation Category 2, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial vertebrates.

TOXICITY

DANGER - Toxic if inhaled. Cause damage to organs through prolonged or repeated exposure. Harmful if swallowed. Cause skin irritation.

CORROSIVITY

Corrosive to metal.

ECOTOXIC

Very toxic to aquatic organisms and with long lasting effects. Harmful to terrestrial vertebrates.

PRECAUTIONS

Store in original tightly closed away from foodstuffs and under lock and key. Avoid contact with seeds, fertilisers and other pesticides. Avoid contact with skin and inhalation of spray mist. When mixing and applying wear waterproof gloves. DO NOT eat, drink or smoke when using. Wash splashes of concentrate off skin immediately. Wash hands and face before meals and after work. Wash protective clothing daily after work. Avoid spray drift onto desirable plants, including crops, shrubs and trees. Tracking records must be kept. DO NOT carry on a passenger vehicle. Application, storage and record keeping should be as described in the Management of Agrichemicals NZS8409. Avoid contamination of any water supply with chemical or empty container.

CONTAINER DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise, crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

PRODUCT DISPOSAL

Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

FIRST AID

If swallowed DO NOT induce vomiting. For advice, contact the National Poison 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. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

SAFETY DATA SHEET

A Safety Data Sheet is available from the Kenso NZ website: www.kenso.co.nz

CONDITIONS OF SALE

Kenso Corporation (M) Sdn. Bhd. will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Kenso Corporation (M) Sdn. Bhd. within thirty days of delivery.



EMERGENCY RESPONSE
Ring 0800 CHEMCALL, or
0800 243 622 (24 hours)

Product of China



Batch No.:
Date of Manufacture:

UN NO: 1760

CORROSIVE LIQUID, N.O.S.

(CONTAINS DIQUAT)

PACKING GROUP III

HAZCHEM 2X,

CONTAINS SPILLAGE



In a transport emergency dial 111, Police or Fire Service. For specialist advice in emergency only, call 0800 243 622 (24 hours)

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* Not a trademark of Kenso Corporation (M) Sdn Bhd.

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GENERAL INFORMATION

Diquat 200 Herbicide is a non - residual fast acting herbicide active on green plant tissues only. It is particularly effective in controlling most annual and many perennial broadleaf weeds, but clover will recover quickly. Diquat 200 Herbicide is inactivated on contact with soil.

WARNING

- Injections from a fixed point must **NOT** be made.
- When applied to any natural water, treated water must **NOT** be bathed in, used for human consumption, fish farming or livestock watering for 24 hours after application.
- In a lake or any standing water, to maintain adequate oxygen supply to fish, **NOT** more than one quarter of the area should be treated at one time.
- 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.
- Consult the appropriate Regional Council before discharging Diquat 200 into natural water.

MIXING

Use clean water only (dirty water will interfere with the action of the chemical). Partly fill spray tank with water, add the Diquat 200 Herbicide and add a non-ionic wetting agent (where recommended), mix, then top up with water to required volume.

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**(CONTAINS DIQUAT)
PACKAGING GROUP III
HAZCHEM 2X
CONTAIN SPILLAGE**

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APPLICATION

Conventional spray equipment may be used for application. In all cases complete coverage is essential. For boom spraying use a minimum of 300 litres of water per hectare, but up to 1100 litres per hectare may be necessary when using for "Potato Haulm Destruction" (refer to specific directions above). After use, wash out all spraying gear with 2 or 3 changes of clean water.

WETTING AGENT

Diquat 200 Herbicide contains no wetting agent and a non-ionic wetting agent **MUST** be added to the spray mixture at label rates, with the exception of the following uses:

- Potato Haulm Destruction - **DO NOT** add a wetting agent.
- Submerged Aquatic Weed Control (Injection Method) - **DO NOT** add a wetting agent.

CONTAINER DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise, crush and bury in a suitable landfill. **DO NOT** reuse this container for any other purpose.

PRODUCT DISPOSAL

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DIRECTIONS FOR USE POTATOES

Use	Situation	Rate	Critical Comments
Haulm destruction	Very dense haulms	Two applications 7 to 10 days apart in 600 to 1100 litres/ha. 1 st application 3 to 4 litres/ha. 2 nd application 1.5 to 3 litres/ha. OR 4 to 6 litres in 600 to 1100 litres of water/ha as a single application.	As a general guide Diquat 200 Herbicide should be applied to the crop about 14 days before proposed harvesting date. Leaf kill following Diquat 200 Herbicide treatment is rapid and usually complete after four days, but stem kill will take up to 14 days, depending on such factors as density of haulms and weather conditions following spraying (kill is more rapid during bright weather). Under conditions of hardened top growth, the split application is preferable for best results.
	Moderate to sparse haulms	3 to 4 litres in 600 to 1100 litres of water/ha.	Single application satisfactory.
Pre-Digging weed control	Broadleaf weeds only	3 to 4 litres in 350 to 450 litres of water/ha.	Where digging has been postponed for an extended period, weed growth may need to be removed to provide a clean harvest. A non-ionic wetting agent MUST be added at label rates.
	Broadleaf and Grass weeds	1.5 to 2 litres GRAMOXONE* plus 1.5 to 2 litres Diquat 200 Herbicide in 350 to 450 litres of water/ha.	A non-ionic wetting agent MUST be added at label rates.

- Notes**
- Diquat 200 Herbicide is NOT recommended for use on the Rua variety.
 - The rate of Diquat 200 Herbicide necessary will be governed by the vigour and density of the haulm at the time desiccation is required. Potato varieties with vigorous, dense tops such as Sebago and Tahi may require two applications applied 7 to 10 days apart to ensure complete spray penetration.
 - Avoid application of Diquat 200 Herbicide to potatoes when the haulms are heavily laden with early morning dew. This can cause the chemical to be shed, leading to poor leaf desiccation. During prolonged dry periods the use of any haulm destroyer may damage the tubers. DO NOT spray when the soil is very dry.
 - DO NOT use a wetting agent with Diquat 200 Herbicide for potato haulm applications.

AQUATIC WEED CONTROL

Situation	Weeds Controlled	Rate	Critical Comments
Lakes and ponds (still water)	Controls a range of aquatic weeds including: Canadian pondweed (<i>Elodea canadensis</i>), Lagarosiphon (<i>Lagarosiphon major</i>), Pondweeds (<i>Potamogeton crispus</i> and <i>Potamogeton ochreatus</i>), Hornwort (<i>Ceratophyllum demersum</i>)	Boom- 30 litres per hectare. Handgun- 2 litres /100 litres of water, applying 1.5 litres of spray mix / 10 square metres.	In boom application from aircraft or boat, use sufficient water to obtain even coverage. Alternatively, apply below surface using trailing nozzles behind a mobile platform.
Drains and waterways (flowing water)		30 litres per hectare.	Apply by trailing nozzles below surface behind a mobile platform, or broadcast spraying (travelling upstream) is recommended. DO NOT treat where water is flowing at more than 1 km per hour (30cm / sec).

Diquat 200 Herbicide is recommended and approved for use in lakes and waterways for the control of weeds growing below the water surface (i.e. submerged weeds). For control of grass and broadleaf weeds growing on drain banks and also above the water surface (emergent weeds), refer to GRAMOXONE* label.

CROPS

Crop	Use	Rate	Critical Comments
Barley , Wheat Note: Oat crops grown for stock feed may be similarly treated but not used for human consumption	Pre-harvest crop and weed desiccation.	Aerial- apply 3 to 4 litres in a minimum of 350 litres of water /ha. (Non -ionic wetting agent MUST be used at label rates.)	To remove weeds, hasten maturity and reduce the risk of harvesting losses from adverse weather. Weeds growing in a fully matured crop may be desiccated to allow clean bulk harvesting.
Hormone-hazardous areas	Grorse	700 ml plus 200ml of a nonionic wetting agent per 100 litres of water.	Where risk of damage to sensitive crops precludes the use of hormone sprays Diquat 200 Herbicide is an alternative. Thorough coverage is essential.
Green Beans, Lentils, Peas, Soya Beans	As a desiccant and also to remove weeds and prevent secondary crop growth	3 to 4 litres in 300 to 350 litres of water/ha. Aerial- a minimum of 4 litres in 350 litres of water/ha. (Non-ionic wetting agent MUST be used at label rates.)	Apply 7 days prior to harvesting, as soon as the seeds are fully developed and the pods are drying.
Lucerne, Red Clover, White Clover	Desiccation	3 litres in 300 to 350 litres of water/ha. (Non-ionic wetting agent MUST be used at label rates.)	As soon as the seed from the main flowering has matured, further crop growth can be halted in preparation for harvest.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

NOTES

- Diquat 200 Herbicide is NOT effective in turbulent, muddy water or where suspended organic matter is above 1 ppm.
- Treatment is best when water levels are at their lowest and temperatures at their highest.
- Diquat 200 Herbicide at the recommended rates is not toxic to fish.
- A non-ionic wetting agent should be added to Diquat 200 Herbicide at label rates for aerial application, but it is not required when using the injection technique.

WITHHOLDING PERIOD

Beans, Lentils and Peas 7 days

RESISTANCE MANAGEMENT **GROUP 22 HERBICIDE**

Diquat 200 Herbicide is a member of the bipyridyl group of herbicides. Diquat 200 Herbicide has the inhibitor of photo-synthesis at photosystem I mode of action. For weed resistance management Diquat 200 Herbicide is a Group 22 herbicide. Some naturally occurring weed biotypes resistant to Diquat 200 Herbicide and other Group 22 herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Diquat 200 Herbicide or other Group 22 herbicides. For further information see www.resistance.nzpps.org.

FIRST AID

If swallowed DO NOT induce vomiting. For advice, contact the National Poison 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. If splashed in eyes, wash out immediately with water. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

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