

orion AGRISCIENCE

DANGER

KEEP OUT OF REACH OF CHILDREN



DesiquatTM

HERBICIDE

For Pre-harvest Dessication in Cereals and Legumes, Haulm Dessication in Potatoes and Control of Submerged Aquatic Weeds

Active Ingredient:

200 g/litre diquat as the dibromide salt in the form of a soluble concentrate



9 421004 534161

20 Litres

READ THE LABEL BEFORE USE

HAZARD CLASSIFICATIONS:

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 terrestrial vertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1

DANGER: TOXIC, ECOTOXIC

Toxic if inhaled. Causes skin irritation. Harmful if swallowed. Causes damage to organs through prolonged or repeated exposure. May be corrosive to metals. Very toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates.

PRECAUTIONS

HANDLING REQUIREMENT:

This product must only be handled, mixed and applied by a suitably qualified person, as defined under the HPC notice 2017 Part 4C.

Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 L or more is applied within 24 hours and likely to leave the application area.

WORKPLACE ONLY

This product must only be used in the workplace as defined under the HPC notice 2017 Part 2.

PERSONAL PROTECTION

Use only outdoors. Avoid contact with eyes and skin. Do not breathe in the spray mist. When mixing, loading or applying, wear coveralls with hood, tightly fitting at head, wrists and ankles, boots, chemical resistant gloves and eye protection. Wear respiratory protection if spray mist could be inhaled. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Wash hands thoroughly after handling.

STORAGE

Keep out of reach of children. Keep only in the original packaging. Store in a well ventilated place. Keep container tightly closed. Store locked up. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

DISPOSAL

Dispose of this product by using it in accordance with this label. Dispose of the container via AgRecovery after triple rinsing (use the rinsate for spraying). Do not burn. Do not use the container for any other purpose.

ENVIRONMENTAL

Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water. Absorb spillage to prevent material damage. Collect spillage.

FIRST AID

If medical advice is needed, have product container or label at hand.

IF SWALLOWED: Rinse mouth. Get medical help.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs get medical help.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do so. Continue rinsing. If eye irritation persists get medical help.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get emergency medical help immediately.

Get medical help if you feel unwell. For advice, call the Poisons Centre on **0800 POISON (0800 764 766)** or a Doctor.

EMERGENCY RESPONSE

In an emergency call **111, Police or Fire Brigade**. For specialist advice in an emergency only, call **0800 CHEMCALL (0800 243 6225)** (24 hrs).

SPILLAGE

In the event of spillage, exclude non-essential people from the area. Wear protective equipment and prevent from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a waste container. Wash area with water and detergent, and absorb with further inert material. Dispose of safely to a suitable landfill.

SAFETY DATA SHEET

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit www.orionagriscience.co.nz

Batch No:

Date of manufacture:

Registered pursuant to the ACVM Act 1997, No. P7159
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSNO Act 1996, No. HSR000446
See www.epa.govt.nz for approval controls.

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Distributor: Orion AgriScience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Harewood, Christchurch 8053.

0800 674 6627 www.orionagriscience.co.nz

UN 1760

CORROSIVE LIQUID, N.O.S. (DIQUAT DIBROMIDE 37%)

PACKING GROUP III

HAZCHEM CODE 2X

**ADDITIONAL INFORMATION: CORROSIVE TO METAL
IN A TRANSPORT EMERGENCY, DIAL 111 POLICE OR FIRE BRIGADE.**



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DESIQUAT™

READ THE LABEL BEFORE USE

GENERAL INFORMATION

Desiquat is absorbed through leaves and inhibits photosynthesis. For the best results, emerged weeds should be young and actively growing.

DIRECTIONS FOR USE

Do not use with a mist blower or fogger. Apply with well-maintained and calibrated spray equipment.

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.

WARRANTY

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

Warning: The application of Desiquat to any natural water requires a consent from your local regional council. Injections from a fixed point must not be made. Treated natural water must not be bathed in, used for human consumption, fish farming or livestock watering for 24 hours after application. To maintain adequate oxygen supply for fish in lakes or any standing water, do not treat more than one quarter of the area at any one time. Treated water should not be used for overhead irrigation until 10 days after treatment. Water from a flowing watercourse may be used 24 hours after treatment.

Important Note: Desiquat is not effective in turbulent or muddy water, or if suspended organic matter is more than 1ppm.

SURFACTANT

A surfactant such as Synergy Wetter Sticker should be used with Desiquat where specified in the table above.

COMPATIBILITY

Clean water must be used as Desiquat is inactivated on contact with soil particles. Half fill the spray tank with water, then add Desiquat with constant agitation. When mixing with other chemicals, add Desiquat first, and add surfactant (if added) last. Desiquat is compatible with most commonly used herbicides.

RAINFALL

Desiquat is rainfast 20 minutes after drying on the foliage but avoid application when rainfall is imminent.

RESISTANCE MANAGEMENT

GROUP	22	HERBICIDE
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Desiquat belongs to the pyridiniums chemical group. Some naturally occurring weeds may become resistant when excessive use of the same herbicide occurs. To prevent or delay the development of resistance, use in tank mixes and/or rotate use with herbicides with a different mode of action. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

POTATOES: HAULM and WEED DESSICATION

Use	Situation	Rate	Critical Comments
Haulm Destruction	Very Dense Haulms	First Application: 3 – 4 L/ha in 600 – 1100 L water/ha Second Application (7 – 10 days later): 1.5 – 3 L/ha (adjust water rate to suit haulm density) OR use a single application: 4 – 6 L/ha in 600 – 1100 L water/ha	Do NOT use a wetting agent or apply during prolonged dry periods or when the soil is very dry as tubers may be damaged. To prevent run-off do not spray dewy or wet foliage. Rua varieties may not be desiccated effectively.
	Moderate to Thin Haulms	3 – 4 L/ha in 600 – 1100 L water/ha (single application)	
Weed Desiccation	Broadleaf Weeds	3 – 4 L/ha in 350-450 mL water/ha	Apply with Synergy Wetter Sticker if the haulms are fully browned off.
	Mixed Grass and Broadleaf Weeds	1.5 – 2 L/ha PLUS 1.5 – 2 Lha Paraquat 200 in 350-450 mL/ha	

OTHER CROPS: PRE-HARVEST CROP DESSICATION

Crop	Use	Rate	Critical Comments
Barley, Wheat, Oats (Do NOT use on Oats for human consumption)	To desiccate weeds and advance crop maturity prior to harvest	3 – 4 L/ha in 350 L water/ha	Apply with Synergy Wetter Sticker. Apply as an aerial treatment. Do NOT use a different water rate unless local experience indicates lower rates are effective
Lucerne, Red Clover, White Clover		3 L/ha in 300 - 350 L water/ha	Apply with Synergy Wetter Sticker.

AQUATIC WEED CONTROL

Situation	Weeds Controlled	Rate	Critical Comments
Lakes and Ponds	Canadian pondweed, lagarosiphon, pondweeds and hornwort	Boom: 30 L/ha Handgun: 2 L / 100 L and apply 1.5 L of spray mix per 10 square metres	Alternatively, inject by trailing submerged nozzles behind a mobile platform.
Flowing Water (Drains and Waterways)		30 L/ha	For control of submerged weeds in flowing water, treat when water levels are low and temperatures are high. Inject by trailing submerged nozzles behind a mobile platform or broadcast spraying onto the water surface. Start at the downstream end and work upstream to prevent build up of Desiquat. Use only if the water flow is less than 1 km/h (300mm/sec or 18m/minute).