

AGPRO**DANGER****RAINBOW**

KEEP OUT OF REACH OF CHILDREN

KUATOUT

Herbicide

Active Ingredients: Contains 135 g/L PARAQUAT as the dichloride salt and 115 g/L DIQUAT as the dibromide salt in the form of a soluble concentrate

For weed control in Market Gardens, Nurseries, Orchards and Vineyards

**IMPORTANT: READ THIS BOOKLET BEFORE USING THIS PRODUCT.**

UN 3016
BIPYRIDILIUM PESTICIDES, LIQUID, TOXIC, N.O.S.
(paraquat and diquat)
PACKING GROUP III, HAZCHEM 2XE
CONTAIN SPILLAGE

In a transport emergency dial 111 , Police or Fire Brigade.

For specialist advice in an emergency only, call 0800 734 607 (24 hours).

Registered pursuant to the ACVM Act 1997: P9305
See www.foodsafety.govt.nz for registration conditions.
Approved under the HSNO Act 1996: HSR000447
See www.epa.govt.nz for controls

Distributed by:
AGPRO NZ LTD
10 Polaris Place, East Tamaki, Auckland
PO Box 58 963, Botany
Phone: 09 273 3456
Email: sales@agpro.co.nz

Net Contents: 10 litre
Batch:
Date of manufacture:

PLEASE READ THE LABEL COMPLETELY BEFORE USE

This product **MUST NOT** be used for any purpose or in any manner contrary to the controls and conditions of this registration. This product MUST be tracked and controlled by an Approved Handler.



HSNO Classifications 6.1A (inhalation), 6.1B (oral, dermal), 6.3A, 6.4A, 6.5B, 6.9A, 9.1A, 9.3A, 9.4C

DANGER

May be fatal if swallowed, inhaled or if absorbed through the skin.
May cause skin irritation.
May cause eye irritation.
May cause sensitisation from prolonged skin contact.
May cause eye and organ damage from repeated oral exposure at high doses.
Very toxic to aquatic organisms.
Very toxic to terrestrial vertebrates.
Harmful to terrestrial invertebrates.

PRECAUTIONS

DO NOT use KUATOUT in a mistblower.
When handling the concentrate, wear full protective clothing such as overalls, gloves and face shield.
Avoid contact with seeds, fertilisers and other pesticides.
Wash splashes of concentrate from skin or eyes immediately.
When spraying, wear face mask, overalls and gloves.
Avoid contact with skin, eyes and inhalation of spray mist.
DO NOT eat, drink or smoke while using.
Wash hands and face before eating, drinking or smoking and after work.
Wash protective clothing after use.
Apply with well maintained and calibrated spray equipment.
Tracking records **MUST** be kept.
Application, storage and record keeping should be as described in the Management of Agrichemicals NZS8409.
DO NOT carry on a passenger service vehicle.
Avoid contamination of any water supply with chemical or empty container.

Container disposal: Ensure the container is empty. Triple rinse empty container and add rinsate to the 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 any approved landfill or the approved facility.

SYMPTOMS OF POISONING: An early symptom of poisoning may be vomiting, although other symptoms include stomach pains, nausea and burning of the mouth. In the event of any of the above symptoms, the first aid treatment prescribed below must be followed in full.

FIRST AID: If poisoning is suspected rush to an Accident and Emergency Department of the nearest hospital after alerting them by telephone. If swallowed, DO NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If breathing has stopped, commence mouth to nose resuscitation (rather than mouth to mouth). Use alternative respiratory or proper respiratory device. Wash splashes of concentrate from the skin immediately. Remove contaminated clothing and immediately wash affected areas of skin. DO NOT scrub the skin. If the concentrate is splashed in the eyes flush with running water for 15 minutes then get medical attention.

STORAGE: Store under lock and key in the closed original container in a cool, dry, well ventilated area away from foodstuffs, seeds and fertilisers. DO NOT store for prolonged periods in direct sunlight.

SPILLAGE :In the event of a leak or spillage - contain the spillage, taking particular care to prevent entry to drains or waterways.

Keep people away.

Absorb spillage with material such as sawdust or soil, and dispose of safely. Soil offers the added advantage of inactivating the active ingredient on contact.

Sweep up contaminated material and place in drums for disposal in accordance with the requirements of the ERMA EPA New Zealand controls and in a manner acceptable to the local authorities. For major spillages, inform the Fire Service immediately, and then local health protection officers at your District Health Board or hospital.

Overalls, eye protection, gloves and gumboots should be worn during clean up and disposal.

GENERAL INFORMATION: KUATOUT is a non-residual fast acting herbicide active on green plant tissues only. It is particularly effective in controlling most annual and many perennial grass and broadleaf weeds. It is relatively rainfast; rain falling 20 minutes or more after treatment will not adversely affect results. KUATOUT is inactivated on contact with soil.

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

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.

DIRECTIONS FOR USE:

RATES OF APPLICATION

Dilution rates are based on thorough coverage being obtained.

Stage of Weed Growth	Boom and Band Spraying Rate/Treated ha	Gun Spraying Rate/100 L	Knapsack Rate/100 litres	Boom Spraying Water Rate/ha
Seedling weeds	1.9 to 2.8 litres	190 to 280 mL	19 to 28 mL	200 to 300 litres
Established annual and most seedling perennial weeds	2.8 to 3.7 litres	280 to 370 mL	28 to 37 mL	300 to 400 litres
Established annual and many established perennial weeds	3.7 to 5.5 litres	370 to 550 mL	37 to 55 mL	400 to 500 litres

MIXING : Use clean water only as dirty water will adversely affect the action of the chemical. Partially fill the spray tank with water, add the desired quantity of KUATOUT, mix and top up with water to the required total volume. KUATOUT contains sufficient wetting agent for normal usage so the addition of further quantities is not normally necessary. Under dusty conditions or when treating plants with very waxy surfaces add a non-ionic wetting agent at label rates.

APPLICATION: Conventional spray equipment may be used for application. Thorough weed coverage is essential for satisfactory results. For boom spraying use at least 200 litres of water per hectare with higher volumes being necessary for dense or tall weed growth. To minimise spray drift onto crops low pressures should be used, viz. 200 to 400 kPa. At the completion of spraying all application equipment should be thoroughly washed. Three changes of clean water are usually sufficient.

STORAGE: Store under lock and in the closed original container in a cool, dry, well ventilated area away from foodstuffs, seeds and fertilisers. DO NOT store for prolonged periods in direct sunlight. See Safety Data Sheet for additional storage information. Stores containing quantities of 50 litres or more require signage and 100 litres or more secondary containment.

SAFETY DATA SHEET: If additional hazard information is required, refer to the Safety Data Sheet.

USES

Situation	Critical Comments
Before cultivation	For quick clean up of mixed weeds prior to cultivation. Apply 2 to 3 days before cultivation commences.
Before sowing or transplanting	Prepare the soil as long as possible before seeding or transplanting to permit maximum weed emergence. Apply KUATOUT immediately before seeding or transplanting.
Before crop emergence	To control weeds that have germinated ahead of the crop apply KUATOUT 2 to 3 days before the crop emerges.
Inter-row weeding in vegetable and fruit row crops	Can be carried out in any row crop provided the crop is shielded to prevent spray contact. Use low pressures to minimise crop spotting. The chemical will desiccate green plant tissue.
Orchards, Vineyards eg Avocados, Citrus, Kiwifruit, Pipfruit, Stonefruit, Vineyards and other woody perennial fruit crops	KUATOUT is recommended for weed control under and around fruit trees and vines once the bark has matured and become brown. On young plants damage can be avoided by using a shield to protect the bark and foliage from spray contact and using low pressure nozzles. Where residual weed control is required, in apples, stonefruit and vineyards, a soil residual herbicide such as a simazine product may be tank mixed with KUATOUT in accordance with label directions.
Berryfruits, Brambles eg Blackberries Blackcurrants, Blueberries, Boysenberries, Gooseberries, Loganberries and Raspberries	Apply KUATOUT during the dormant period before bud movement. Apply to the base of bushes or canes as a low pressure directed spray.
Forest Nursery beds	For control of weeds in forest nursery beds, apply KUATOUT as indicated in "Before crop emergence" and "Inter-row weeding".
Headlands and around glasshouses, buildings , nursery frames, etc	For a quick clean up of nuisance weeds. A simazine herbicide may be added according to approved label rates, where longer term residual weed control is required.
Drains, drainbanks and waterways	Apply 750 mL of KUATOUT per 100 litres of water as a directed spray to weeds before expected water movement in spring and autumn.

Registered to:

Shandong Rainbow International Co., Ltd
19th & 20th Floor, Hanyu Financial Centre,
Building A3-4, No. 7000 East Jingshi Road,
Jinan, China 250101

NZ Agent:

AR & JA DRYSDALE LTD
PO Box 72275
Papakura 2244
Tel: (021) 939 728

CONDITIONS OF SALE: The use of KUATOUT herbicide being beyond the control of the suppliers, no warranty expressed or implied, beyond that covered under the Fair Trading Act is given by the supplier regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and the supplier accepts no responsibility for any consequences whatsoever resulting from the use of this product.