

DANGER

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

SPEEDY 250 HERBICIDE

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

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



Registered pursuant of ACVM Act 1997, Approval No. P008747
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to HSNO Act 1996, Approval No. HSR000447
See www.epa.govt.nz for approval conditions

NET CONTENTS: 20L

Registrant:
Kenso Corporation (M) Sdn Bhd
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Indah, 42920 Pelabuhan Klang, Selangor, Malaysia.

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

SPEEDY 250 HERBICIDE

PERSONNEL QUALIFICATION & EXPERIENCE

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 under the control of a Certified Handler, or by an appropriately trained and experienced applicator under the direct supervision of a Certified Handler.

HAZARD CLASSIFICATION

Acute inhalation toxicity Category 1, Acute oral toxicity Category 2, Acute dermal toxicity Category 2, Skin irritation Category 2, Eye irritation Category 2, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1

DANGER

Fatal if swallowed, inhaled or if absorbed through the skin. Will cause skin irritation. Will cause serious eye irritation. May cause an allergic skin reaction. Will cause eye and organ damage from repeated oral exposure at high doses. Very toxic to aquatic organisms. Very toxic to terrestrial vertebrates. Toxic to terrestrial invertebrates.

PRECAUTIONS

Store in original container, tightly closed, away from human and animal foodstuffs, medicine and remedies, away from seeds, fertilisers, fungicide and insecticides, and securely under lock and key. Avoid contact with skin, eyes and inhalation of spray mist. DO NOT use Speedy 250 Herbicide in a mistblower. When handling Speedy 250 in any form, wear full, CHEMICAL RESISTANT protective clothing (PPE), including coveralls, gauntlet gloves, face shield and respiratory protection to a minimum of Organic Vapour specification. Wash splashes of concentrate or diluted product from skin or eyes immediately. 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

Triple rinse empty container and add rinsate to the spray tank. Apply as per label or distribute over appropriate (safe areas) waste ground not exceeding maximum permissible per hectare rates. Recycle empty containers through Agrecovery container recycling service (0800 247 326). Otherwise submit to an approved local authority refuse reception facility.

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.

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 Australia



Batch No.:

Date of Manufacture:

UN NO: 3016

BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC
N.O.S. (CONTAINS PARAQUAT 13.5% and
DIQUAT 11.5%)

PACKING GROUP III, HAZCHEM 2X,
CLASS 6, 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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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 must be followed in full.

USE RESTRICTIONS

No person can apply Speedy 250 except for agricultural or biosecurity purposes. The definition of Agricultural purposes include; use for agricultural and horticultural production purposes, including commercial forestry nurseries, commercial cropping systems and commercial ornamental horticulture production. It DOES NOT include forestry plantations, biosecurity purposes, amenity horticulture, and publicly accessible areas or horticulture, which would otherwise be considered domestic properties. No person may use Speedy 250 for biosecurity purposes without first obtaining permission from the EPA under section 95A of the HSNO act 1996. Biosecurity purposes means use for operations carried out under the Biosecurity Act 1993. Speedy 250 must be under the direct control of a Certified Handler/s when handled and/or used. Speedy 250 can only be procured by persons qualified as Certified Handlers.

MAXIMUM APPLICATION RATE RESTRICTIONS

Maximum allowable application rate as a single application must not exceed 4.4L/ha of Speedy 250 (equates 600g/ha paraquat active ingredient per application). Maximum application rate per year as single and/or multiple applications must not exceed 4.4L/ha of Speedy 250 in total (equates to 600g/ha paraquat active ingredient per year). This means Speedy 250 can be applied once a year using the maximum rate of 4.4L/ha in a single 12 month period or a reduced rate be applied more than once per year but must not exceed a combined total of 4.4L/ha in any 12 month period. e.g. 2 applications at a rate of 2.2 L/ha. NB: These restrictions do not necessarily extend to biosecurity use. Permission to use Speedy 250 for Biosecurity purposes must first be obtained from the EPA (under section 95A of the HSNO ACT 1996.).

STAY DROPLET SIZE REQUIREMENTS

Ground-based and Aerial application: Applications of Speedy 250 must be applied using a sprayer calibration that delivers a minimum of coarse, to very coarse, droplet size of the spray plume.

Refer to the American Society of Agricultural and Biological Engineers (ASABE) droplet size classification scheme (American National Standard ANSI/ASABE S572.1, March 2009) for specification of the Coarse to Very Coarse Droplet Sizes.

PROTECTION OF WATER BODIES

Always identify any water bodies before spraying Speedy 250 and ensure adequate spray area distance observation as specified in BUFFER ZONE RESTRICTIONS to eliminate water way contamination. Do not mix or decant Speedy 250 in areas that have direct/indirect drainage to waterways/storm water systems.

PROTECTION OF BIRDS

Wild and farmed/domestic birdlife must be kept away from the application and immediate adjoining areas during application. If birdlife is likely to be present shortly after application (until weed desiccation) in the sprayed areas then methods to keep away/scare birds should be used prior to and after application of Speedy 250 to ensure birdlife does not become exposed to Speedy 250.

PROTECTION OF BEES

Speedy 250 is toxic to bees. Application of Speedy 250 must not be made to any crop, plant, tree or vegetation, or any areas that bees may frequent (including on or near beehives) or in areas where bees are foraging, either at the time of application or immediately after application until the spray fully has dried.

STORAGE

Always keep Speedy 250 stored in a locked, secure storage facility when not in use. Store in original container, tightly closed, in a cool, dry, well ventilated place and protect from sunlight. Segregate from human and animal foodstuffs, medicines and remedies, seeds and fertilisers. Segregate from incompatible hazardous substances – Classes 1, 3, 4 and 5.

DISPOSAL

Dispose of Speedy 250 by using according to the label. Otherwise dispose of waste product at an approved hazardous substances receival facility or other local authority approved facility, or the Agrecovery chemical disposal service (0800 247 326). DO NOT contaminate ponds, waterways, stormwater systems, running drains/ditches with Speedy 250 or used containers. DO NOT dispose of waste or contaminated material into the sewer.

CONTAINER DISPOSAL

Triple rinse empty containers and add rinsate to the spray tank. Apply as per the label or distribute over appropriate (safe areas) waste ground not exceeding maximum permissible per hectare rates. Recycle empty containers through the Agrecovery container recycling service (0800 247 326). Otherwise submit to an approved local authority refuse receival facility

SPILLAGE

Always wear full personal protective equipment (PPE) before attempting spill containment and clean-up. Wear full chemical resistant protective clothing including; coveralls, boots, full face shield, respiratory protection (using a minimum of Organic Vapour filter protection) and gloves. Isolate the area (keep people away), get assistance and Stop leak if safe to do so, and contain spill. Absorb spill material into clay, sand, vermiculite or other suitable absorbent material. Clay and Soil offers the added advantage of deactivating the active ingredient on contact. If the spill is too large or if absorbent material is not available, try to create a dyke to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recovery product into labelled containers for recycling or salvage and dispose of promptly. After spills, wash area with a detergent based solution (avoid solvents) preventing runoff from entering drains. If a significant quantity of material enters drains, immediately advise regional council and emergency services. Ensure appropriate disposal of recovered contaminated material, washings etc. by consulting the local authority waste management department prior to disposal. Thoroughly launder or discard protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

BUFFER ZONE RESTRICTIONS

Application of Speedy 250 requires the utilisation of down-wind buffer zones to minimise or eliminate possible off target spray drift into sensitive areas.

Applicators of Speedy 250 must comply with the following Buffer Zones Distances as shown in the table below:

Application Method	Affected Flora/Fauna	Down-wind Buffer Zone Distances	
		Application rates of Speedy 250 at less than 2.9L/ha	Application rates of Speedy 250 at 2.9L/ha to 4.4L/ha
All ground-based applications: (excluding handheld equipment)	Aquatic Organisms	Nil	5 metres
	Non-target plants (non-threatened)	Nil	5 metres
	Non-target plant (threatened)	5 metres	5 metres
All aerial applications	Aquatic Organisms	5 metres	15 metres
	Non-target plants (non-threatened)	40 metres	40 metres
	Non-target plant (threatened)	60 metres	100 metres

These buffer zones distances are the minimum distances required between the outer margin of a sprayed area corresponding to the closest outer margin of a sensitive area.

APPLICATION WEATHER (WIND) CONDITIONS:

Do not apply Speedy 250 when wind speeds are less than 3 km/h or more than 20 km/h as measured at the application site.

GENERAL INFORMATION

Speedy 250 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 grass and broadleaf weeds. It is relatively rainfast; rain falling 20 minutes or more after treatment will not adversely affect results. Speedy 250 Herbicide is inactivated on contact with soil.

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

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 Speedy 250 Herbicide, mix and top up with water to the required total volume. Speedy 250 Herbicide 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, i.e. 200 to 400 kPa. At the completion of spraying all application equipment should be thoroughly washed. Three changes of clean water are usually sufficient.

It is an offence for users of this product to cause residues exceeding the MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standards.

DIRECTION FOR USE

Rate of applications:

Dilution rates are based on thorough coverage being obtained.

Stage of Weed Growth	Boom and Band Spraying - Rate/ Treated ha	Gun Spraying - Rate/100 litres	Knapsack - Rate/10 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

USES

Situation	Critical comments
Before cultivation	For quick clean up of mixed weeds prior to cultivation. Apply at least 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 Speedy 250 Herbicide immediately before seeding or transplanting.
Before crop emergence	To control weeds that have germinated ahead of the crop apply Speedy 250 Herbicide at least 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)	Speedy 250 Herbicide 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, compatible soil residual herbicide may be tank mixed with Speedy 250 Herbicide in accordance with label directions.
Berryfruits, Brambles (eg Blackberries, Blackcurrants, Blueberries, Boysenberries, Gooseberries, Loganberries and Raspberries)	Apply Speedy 250 Herbicide 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 Speedy 250 Herbicide as indicated in "Before crop emergence" and "Inter-row weeding" above.
Headlands and around glasshouses, buildings, nursery frames, etc	For a quick clean up of nuisance weeds. A compatible oil residual herbicide may be added where longer term residual weed control is required.
Drains, drainbanks and waterways	Apply 750 ml of Speedy 250 Herbicide per 100 litres of water as a directed spray to weeds before expected water movement in spring and autumn.

DECISION TO USE

Before deciding to use Speedy 250 careful consideration should be given to determine its suitability for the intended weed control task. The benefits of using Speedy 250 as a herbicide which provide sound reasoning are:

- very fast acting desiccant,
- broad spectrum,
- no residual activity,
- non-translocatable through the plant,
- rain fast when dried,
- highly effective against many annual weeds and grasses,
- highly immobile on plant and soil surfaces,
- rapid degradation in sunlight and in soil.

Reasons (drawbacks) to consider NOT using Speedy 250:

- very high toxicity,
- not effective against a range of perennial weeds and rhizomatous grasses,
- may cause damage on young trees/vines (through bark contact),
- requires very careful handling and application due to its toxicity to people, animals and ecosystems.

RECORD KEEPING

If the decision to use Speedy 250 is made then the decision process must be documented. Users could use the above product benefits/drawbacks list as a checklist to demonstrate the determination process used.

Speedy 250 is a Tracked Substance and therefore requires detailed record keeping through the whole life cycle of the product as follows:

1. The product or chemical name of the substance.
2. The date and time of procurement and each application of the substance.
3. The amount of the substance stored/applied/disposed of.
4. The location where the substance was stored/applied/disposed of.
5. If the substance is applied to air, a description of the wind speed and direction when the substance was applied.
6. The name of the worker using/handling the substance and the physical address of the worker's workplace.
7. In relation to aircraft carrying out aerial application of a substance, electronic data files that indicate locations of where the substance has been dispensed and aircraft secondary positional information (for example, geographic information system original shape files, based on global navigation satellite system data).