

WARNING– KEEP OUT OF REACH OF CHILDREN. **ECOTOXIC**


ravensdown

HERBICIDE

Eliminate Brushkiller

A selective herbicide for control of gorse, broom, blackberry, and other brushweeds and for the spot treatment of many broadleaf weeds including ragwort, thistles and docks

ACTIVE INGREDIENT:

Contains 100g/litre picloram as the amine salt and 300 g/litre triclopyr as the butoxyethyl ester in the form of an emulsifiable concentrate. Also contains 30-40% w/w diethylene glycol monobutyl ether.



Registrant: Ravensdown Ltd

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Phone: 03 353 4600

ravensdown.co.nz

BATCH:

D.O.M:

NET CONTENTS
20 Litres

ELIMINATE BRUSHKILLER | READ LABEL CAREFULLY BEFORE USING



This product must not be used for any purpose, or in any manner, contrary to the label unless authorised under appropriate legislation.

HAZARD CLASSIFICATION: 6.1D, 6.3B, 6.4A, 6.5B, 6.9B, 9.1A, 9.2A, 9.3C

QUALIFIED PERSON: This product must be under the control of a Qualified Person or Contractor, as per Part 4C of the Hazardous Property Controls EPA Notice.

<p>TOXICITY Harmful - Harmful if swallowed. May cause eye and mild skin irritation. May cause skin sensitisation from prolonged skin contact. May cause organ damage from repeated oral exposure at high doses.</p>	<p>ECOTOXICITY Very toxic to aquatic organisms. Avoid contamination of any water supply with chemical or empty container. Do not spray over, or allow drift over an aquatic environment. Do not use this product on the bottoms of drains, ditches or irrigation channels. Do not apply directly into or onto water. Very toxic to the soil environment. Selective herbicide - very toxic to some plant species. Decontaminate spray equipment before use on a sensitive crop. Do not allow spray drift outside the target area to occur. Do not use this product on the bottoms of irrigation channels. Beware - apply this product carefully. Spray drift may cause serious damage to desirable plants. Ensure compliance with any relevant regional air management plans. Do not allow spray drift over aquatic environments. Harmful to terrestrial vertebrates. Use only as directed on this label.</p>
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HANDLING PRECAUTIONS

<p>STORAGE Keep out of reach of children. Store in accordance with NZS 8409 Management of Agrichemicals. Store in original container tightly closed in a locked, dry, cool, well ventilated area away from foodstuffs, fertilizers and seeds. Stores containing 100L of ELIMINATE BRUSHKILLER are subject to signage and secondary containment. More than 100L require emergency response plans. PERSONAL PROTECTION Avoid contact with skin and eyes and do not inhale spray mist. When handling wear protective clothing such as chemically resistant gloves and boots, eye protection and overalls. Wash splashes of concentrate from skin and eyes immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke while using.</p>	<p>EQUIPMENT Apply using well maintained and accurately calibrated equipment. Flush equipment thoroughly with clean water after use. RECORD KEEPING Records of use as described in NZS 8409 Management of Agrichemicals must be kept if more than 3L of ELIMINATE BRUSHKILLER is applied or discharged within 24 hours in a place where the substance may enter air or water and leave the place. DISPOSAL Triple rinse container and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues and have an intact legible label may be taken to an Agrecovery collection site for disposal. Otherwise crush or puncture and bury in an approved landfill. Do not burn container. Do not use container for any other purpose. Dispose of product only by using according to label directions or dispose of safely at a managed landfill.</p>
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FIRST AID

If medical advice is needed, have product container or label at hand. If swallowed, Rinse mouth. DO NOT induce vomiting. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water for several minutes. If skin irritation or rash occurs: Get medical advice. Wash contaminated clothing before reuse. If splashed in eyes, wash out immediately with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice. If inhaled, move the patient to fresh air immediately. Begin artificial respiration if breathing has stopped. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor if you feel unwell.

SPILLAGE

In case of spillage, wear appropriate protective clothing and prevent material from entering waterways. Exclude non-essential people from the area. Contain liquid spills and absorb with inert material such as soil or sand and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

EMERGENCY RESPONSE

In transport emergency call 111, Police or Fire Brigade. For 24hr specialist advice in an emergency only call **0800 CHEMICAL (0800 243 622)**.

SAFETY DATA SHEET

If additional safety information is required, refer to the Safety Data Sheet. For a copy, contact the customer centre on 0800 100 123.

TRANSPORT

Do not carry this product on a passenger service vehicle.

SHELF LIFE

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 any product that is older than this.

GENERAL DIRECTIONS

Before opening, carefully read warning statement, precautions instructions, first aid instructions, and directions for use. Poisonous plants may become more palatable after spraying and stock should be kept away from the area until the plants have died down. Avoid contamination of waterways by only applying when these areas are dry.

DIRECTIONS FOR USE

For best results spray brushweeds between November and February when they are actively growing. Spraying during winter dormancy or when plants are stressed, for example drought, hard grazing, water logging, previous cutting or salt damage, can give variable results. Follow up treatments may be necessary for complete control. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

APPLICATION

Aerial: Use 200-400L of water per hectare. Apply with an aircraft using the half overlap, opposite pass technique. Aerial application will usually require some follow up ground treatment.

Handgun: Ensure full coverage of foliage and stems. Use spray pressure of 1000-2000kPa.

Boom: Spray boom from early spring until summer while leaf is present. Use 200-400L of water per hectare.

Stump Swabbing: For control of barberry, old mans beard, hawthorn, woolly nightshade, wattle, willow, gorse and broom. Mix 1 part ELIMINATE BRUSHKILLER with 20 parts water or

diesel. Liberally apply to freshly cut surface and stems down to ground level with a paint brush or knapsack. If using diesel, agitate while filling and during use.

Stem cut/injection: To control woolly nightshade. Treat when trees are actively growing. For stem diameters less than 15cm, make two shallow hatchet cuts on opposite sides of the trunk at waist height, below the first branch. For stems over 15cm diameter, make four equally spaced cuts around the trunk. Use a syringe to inject 1.5ml into each cut.

Knapsack: 6ml ELIMINATE BRUSHKILLER per litre of water. Add Accelerate 1ml per 10L water.
Mistblower: Use 100ml per 10L water. For ULV attachments use 500ml per 10L water, with a number 3 or 4 hole.

MIXING

Half fill the spray container with water, add the required amount of ELIMINATE BRUSHKILLER, continue to fill up while agitating. Add surfactants last.

COMPATIBILITY

ELIMINATE BRUSHKILLER may be tank mixed with most commonly used herbicides. Do not use acidic spray marker dyes with ELIMINATE BRUSHKILLER.

SPRAYER DECONTAMINATION

Always wash tank and flush equipment thoroughly with clean water after use. To avoid subsequent injury to sensitive crops, immediately after spraying thoroughly remove all traces of ELIMINATE BRUSHKILLER from mixing and spraying equipment as follows:

1. Drain tank, then flush tank, booms and hoses with clean water.
2. Quarter fill the tank with clean water and add 500g of an alkali detergent per 100L of water. Circulate through the system for at least 15 minutes with agitation then drain.
3. Drain the whole system.
4. Nozzles and filters should be removed and cleaned separately.
5. Finally, rinse tank thoroughly with clean water, flush through hoses and boom and allow to drain.

RESISTANCE MANAGEMENT:

ELIMINATE BRUSHKILLER contains triclopyr and picloram, both a **GROUP 2 HERBICIDE** from the pyridine carboxylic acid chemical group with the action like indole acetic acid (synthetic auxins) mode of action and picloram. To prevent or delay development of resistant biotypes, use ELIMINATE BRUSHKILLER in tank mixture or rotation with herbicides of a different mode of action against the weed. Consult www.resistance.nzpps.org/ for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

CLOVER: Re-establishment:

Residues of ELIMINATE BRUSHKILLER may prevent the re-establishment of legumes such as clovers and lucerne. The length of time that residues persist will vary according to soil conditions, climate and the application rate. It is recommended that small areas be oversewn with clover 1-2 months prior to any planned sowing time, to check for possible harmful residues. ELIMINATE BRUSHKILLER should not be used on areas where susceptible crops or legumes such as clover or lucerne are to be sown shortly after application.

Animal Safety

Poisonous plants, such as ragwort, may become more palatable after spraying. If concerned that stock health may be affected, stock should be kept away from treated areas until plants have died down.

Rainfall

Rainfall within 3 hours of treatment may reduce effectiveness.

RECOMMENDED USES

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.

Weed	Ground rate/ 100L water	Aerial rate L/ ha	Critical comments
Blackberry	500-650ml	10	Apply during summer and early autumn when plants are actively growing. Remove the canes the following spring by burning, crushing or slashing. Follow up treatment may be required for re-growth. Use the higher rates for control of hard grazed and lower growing types in Northland and the East Coast of the North Island. Control may be variable when these species are present.
Broom	250ml	10	Ground Application: Apply during periods of soft active growth, post-flowering, from Nov. to Feb. When plant growth is slow or stressed due to cold, drought, dusty or salt spray conditions, use the higher rate and add Accelerate at 100ml/100L to reduce variability. Follow up treatment may be required. On gorse in North Canterbury, use the high rate and add Accelerate at 100ml/100L. NOTE - when applied to control gorse, ELIMINATE BRUSHKILLER will also control a wide range of other broadleaf weeds, including thistles, ragwort, fennel, nettles and inkweed. Aerial Application: Apply Nov. to Feb. when brushweeds are actively growing. Add Accelerate at 2L/ha to improve results on gorse. Do not treat hard grazed or scattered bushes by air. Best results are achieved when treating bushes less than 3m high, with stems less than 3cm in diameter. Follow up treatment may be required.
Gorse	250-300ml	10	
Lupin	100ml	2	Apply during active growth from spring until late summer.
Matagouri	500ml	12	Treat when in full flower during November to December. Best control is obtained when moist spring conditions favour growth. Reduced results may occur under dry conditions or where lichens impede chemical uptake.
Sweet briar	300-500ml	12	Apply from fully expanded leaf emergence to green hip, usually from Nov to Jan. Best results from aerial spraying occur when treating bushes less than 2m high. Ensure thorough wetting of the crown when gun spraying.
Tutu	300ml	10	Apply to fresh re-growth after frond expansion.
Woolly nightshade	250ml	10	Apply during active growth. The addition of Accelerate is recommended to ensure good coverage.

NOTE: Apply when plants are actively growing. Rates in tables are for high volume spraying to run off.

PASTURE WEEDS - SPOT APPLICATION

Weeds	Knapsack or battery powered motorbike sprayers	High volume gun and hose*	Critical comments
	ml/100 litres	ml/100 litres	
Ragwort and thistles (except californian thistle)	60	200	Rosette and multi-crown plants.
		250	Early flowering plants.
Fennel, goat's rue, hemlock, horehound, inkweed, nettles	60	250	Apply during active growth from full leaf to early flowering. Californian thistle - re-treatment may be required.
Alligator weed, field bindweed, californian thistle, cape weed, docks, sorrel	60	300	

*For low growing plants, e.g. ragwort, thistles etc, use a handgun with a No. 4 tip at 500kPa. For larger semi-woody type plants e.g. inkweed, fennel, use a handgun with a No 4 tip at 1000-2000kPa.

PASTURE WEEDS - BROADCAST APPLICATION

Weeds	Rate L/ha	Critical comments
Ragwort and thistles, californian thistle, cape weed	2	Apply to heavy infestations only. Best results are achieved from application prior to flowering. Re-treatment of Californian thistles may be required.

IN TREATED AREAS LEGUMES SUCH AS CLOVERS AND LUCERNE WILL BE SEVERELY AFFECTED

FORESTRY - Aerial release of radiata pine

Weeds	Rate L/ha	Critical comments
Thistles, lupin, gorse, broom, himalayan honeysuckle, tutu, buddleja, wattles	1-2	Only use the high rate when trees are dormant and within one year of planting. Use the low rate when trees are not dormant. Some minor tree damage may occur. Brushweeds may only be suppressed and follow-up treatment may be required.

Carpet Type Weedwiper: For control of ragwort and Californian thistle, dilute 1 part of ELIMINATE BRUSHKILLER with 40 parts water (1:40). Ensure the wiper remains saturated while in use. Two passes in opposite directions are recommended. Californian thistle may require re-treatment. Drain and wash the wiper immediately after use.

TURFGRASS: For control of creeping oxalis, hydrocotyl, dandelion and Onehunga weed and certain other broadleaf weeds in turf, use 2L of ELIMINATE BRUSHKILLER per hectare. Some scorch may occur to fine turf grasses. Do not use clippings from treated areas for compost or mulch for 6 months after application.

WARRANTY AND LIMITATION

IMPORTANT: Read this notice before opening the container.

The registrant warrants that when packed the active ingredient of this product is as specified on this label within accepted analytical tolerances. The registrant gives only those other warranties that are required by law in relation to this product and limits its liability to the cost paid by the claimant for the product. The registrant declines all liability for damage resulting from the handling, storage or use of this product. The user bears the risk from the handling, storage or use of this product. The registrant is not liable for any use of this product which is contrary to the label directions given or any Act or Regulation.

Registered pursuant to the ACVM Act 1997, No.P8397. See www.foodsafety.govt.nz for registration conditions. Approved pursuant to the HSN0 Act 1996, Code: H5R002485. See www.epa.govt.nz for approval conditions.

Agrecovery is available on plastic containers up to 60L and for plastic or steel large drums from 61L - 1000L.