

WARNING - KEEP OUT OF REACH OF CHILDREN. ECOTOXIC



ravensdown

HERBICIDE **GROUP 2**

Eradicate 600

For the control of gorse, blackberry and other brushweeds in pasture, forestry and non-cropland areas

ACTIVE INGREDIENT:

Contains 600g/kg metsulfuron-methyl in the form of a water dispersible granule.



Registrant: Ravensdown Ltd

292 Main South Road
Hornby, Christchurch 8042
New Zealand

Phone: 03 353 4600

ravensdown.co.nz

BATCH:

D.O.M:

NET CONTENTS

1kg

ravensdown 

ERADICATE 600

**READ LABEL CAREFULLY
BEFORE USING**



HAZARDOUS
PROPERTY

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

HAZARD CLASSIFICATION: 6.3B, 6.4A, 9.1A, 9.2A

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.

TOXICITY

Harmful - May cause eye and mild skin irritation.

ECOTOXICITY

Very toxic to aquatic organisms. Avoid contamination of any water supply with chemical or empty container. 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.

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. Aerial application is recommended in non-crop areas only. Do not apply or flush equipment onto or near desirable trees or plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.

HANDLING PRECAUTIONS

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 area away from foodstuffs, fertilisers and seeds. Stores containing 100kg of ERADICATE 600 are subject to signage and secondary containment. More than 100kg require emergency response plans.

PERSONAL PROTECTION

Avoid contact with skin and eyes. Avoid inhalation of dust and spray mist. When handling wear protective clothing such as gloves, eye protection, overalls and boots. Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke while using.

EQUIPMENT

Apply using well maintained and accurately calibrated equipment. Decontaminate spray equipment after use.

RECORD KEEPING

Records of use as described in NZS 8409 Management of Agrichemicals must be kept.

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.

Registered Pursuant to the ACVM Act 1997, P7135.

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, Code: HSR000242.

See www.epa.govt.nz for approval controls.

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



AGRECOVERY

www.agrecovery.co.nz

PHONE **0800 100 123**

FIRST AID

If medical advice is needed, have product container or label at hand. If swallowed, DO NOT induce vomiting. If skin or hair contact occurs, remove contaminated clothing and wash skin and hair with running water. If skin irritation occurs: Get medical advice. If in eyes, wash out immediately with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. 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. Sweep up solids without creating a dust and place in waste containers. Contain liquid spills and absorb with inert material such as soil or sand etc. and place in waste

GENERAL DIRECTIONS

Before opening, carefully read warning statement, precautions, first aid instructions and directions for use. ERADICATE 600 is a sulfonylurea herbicide which is non-hormonal and non-volatile. It may be used with care in situations where a hormone type herbicide may cause unintentional damage through vapour movement. ERADICATE 600 works best when applied to actively growing weeds during the late spring to early autumn. ERADICATE 600 is rapidly absorbed into the foliage of plants and is translocated within plants where it rapidly causes cell division to stop. Treated plants slowly lose vigour and die. The addition of an organosilicone penetrant such as Accelerate is essential to obtain good control of certain weeds. Refer to the Weed Control Table. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

APPLICATION

Handgun: Apply to achieve full coverage of foliage and stems and penetration into bushes. No. 4 or No. 6 spray tips should be used at a pressure of 1000-2000kPa. Spray to the point of run-off.

Knapsack: For use only on small bushes where total coverage of stems and foliage will be achieved.

Mistblowers: Apply to achieve full coverage of foliage and stems. For ULV attachments use the largest setting.

Aerial: Use an experienced aerial applicator. Apply using the half overlap flying technique, nozzle configuration and flight pattern that ensures canopy penetration and full coverage of bushes, otherwise significant re-growth will occur. Following aerial application it is essential to follow up with practices such as slashing, crushing or burning and over-sowing with pasture species. A follow up treatment may be necessary.

Aerial application is recommended for use in non-crop areas only.

Minimum aerial water rates;

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 more than 3kg of ERADICATE 600 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.

400L/ha - Gorse, manuka, kanuka and tauhinu.

200L/ha - Seedling gorse, blackberry, matagouri, sweet brier and bracken.

Carpet roller/wick wiper: To control pasture weeds such as buttercup, ragwort and thistles. Graze pastures first to maximize height difference between pasture and weeds. Pre mix 1g of ERADICATE 600 per litre of water. Ensure wiper is wet before starting. Two passes in opposite directions are recommended. Keep wiper surface moist and free of trash. Avoid dripping as pasture damage may result.

Stump swabbing: To control gorse and blackberry, pre-mix 5g ERADICATE 600 per litre of water. Apply to the freshly cut stump down to ground level.

Stem injection: For the control of privet, poplars, pines and willows, pre-mix 20g ERADICATE 600 per litre of water and inject 2ml of solution into holes drilled at 10cm intervals around the tree trunk. Control of willows may be variable.

MIXING

Add the required quantity of ERADICATE 600 to spray tank partly filled with water and maintain agitation through filling and spraying. When using with an organosilicone penetrant such as Accelerate, add the Accelerate when the tank is nearly full.

COMPATIBILITY

ERADICATE 600 is compatible with most commonly used herbicides. Do not mix with hormone type products (e.g. 2,4-D and MCPA) when treating pasture areas as severe pasture damage will result.

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 ERADICATE 600 from mixing and spraying equipment as follows:

1. Drain tank, then flush tank, booms and hoses with clean water for a minimum of 10 minutes.
2. Fill the tank with clean water and add 1L chlorine bleach (containing 3% solution sodium hypochlorite) per 100L of water. Flush through booms with agitation then drain.
3. Repeat step 2.
4. Nozzles and filters should be removed and cleaned separately.
5. To remove traces of chlorine bleach, rinse tank thoroughly with clean water and flush through hoses and boom.

RESISTANCE MANAGEMENT:

ERADICATE 600 contains metsulfuron-methyl, a **GROUP 2 HERBICIDE** from the sulfonyleurea chemical group with the inhibition of acetolactate synthase ALS mode of action. Naturally occurring weed biotypes resistant to sulfonyleurea herbicides are known to exist. These become more prevalent after many years of continuous use of the product. To prevent or delay development of resistant biotypes, use ERADICATE 600 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.

WEEDS NOT CONTROLLED

Black nightshade, woolly nightshade, boxthorn and many grass species including browntop, cocksfoot, kikuyu, pampas and paspalum.

RE-ESTABLISHMENT OF PASTURE

ERADICATE 600 is extremely damaging to ryegrass and clover. Soil residues may also prevent quick re-establishment of ryegrass and clover following application. A minimum of 3 months is recommended before attempting to over sow. It is also recommended that a small area be sown first to check for any residues. The persistency will vary depending on the dose rate, soil type and rainfall.

WEEDS CONTROLLED TABLE

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	Boom spray and aerial rate g/ha	Handgun rate g/100L	Knapsack rate g/10L	Mistblower rate g/10L
Barberry	-	35	5	10
Blackberry	200-300	20-35	5	10
Bracken	170	35	5	10
Broom	-	35	5	10
Fennel and broadleaf weeds	50	5	1	2
Gorse	500	20	5	10 (20 ULV)
Seedling Gorse	170	-	-	-
Hawthorn	-	35	5	10
Horehound	75	-	-	-
Inkweed	50	25	5	10
Kanuka	300	30	5	10
Manuka	300	30	5	10
Matagouri	170	25	5	10
Old Mans Beard	170	35	5	-

Critical comments

Apply from November to May to singular bushes that are less than 3 metres high for optimum results.

Use the higher rates on blackberry in areas of Northland and the East Coast of the North Island. Apply before leaf discolouration in the period from November to June. Best results will result from January to May treatments. Where possible, use ground spray equipment. Treated bushes may be burnt, crushed or slashed once the canes are brittle enough. Intensive stocking of treated areas with Goats or Sheep and over-sowing will assist in the control of re-growth. Spot spray re-growth two years after initial treatment.

Apply in January to June when fronds have unfurled and before frost causes browning. For best results burn plants and then spray frond re-growth.

Best control is achieved when weeds are actively growing, preferably during the period November to May. The addition of Accelerate at 100ml/100L is essential for good control.

Apply to actively growing weeds.

The addition of a silicone based penetrant (100ml/100L for handgun and knapsack and 400ml/100L for aerial) is essential for good control. Apply to actively growing gorse at any time of the year, but best results are achieved during periods of active growth. Do not apply in extreme conditions e.g. severe drought, frosts or snow. Ensure complete coverage. Use a minimum of 400L of water per hectare on established gorse when applying by helicopter. See section on aerial application.

Best control is achieved when weeds are actively growing, preferably during the period November to March. Apply to singular bushes less than 3 metres high for optimum results.

Apply to actively growing weeds. Use only on areas where pasture damage is of no concern, e.g. sheep camps and waste areas.

Apply to actively growing weeds.

Apply to actively growing kanuka at any time of the year. Complete coverage of all parts of the bush is essential for effective control. The addition of Accelerate at 2L/ha is required when applying aerially.

Apply to actively growing manuka at any time of the year. Complete coverage of all parts of the bush is essential for effective control. The addition of Accelerate at 2L/ha is required when applying aerially.

Apply to actively growing bushes in the period from December to April.

November to May is the best application time. The addition of Accelerate at 100ml/100L is essential for good control.

WEEDS CONTROLLED TABLE

Weed	Boom spray and aerial rate g/ha	Handgun rate g/100L	Knapsack rate g/10L	Mistblower rate g/10L
Privet	-	35	5	10
Ragwort	-	2.5-5.0	1	-
Sweet Brier	170	35	5	10
Tauhinu	300	-	-	-
Thistles	-	2.5-5.0	1	-
Tutu	-	25	5	10
Wild Ginger	-	25	5	10
Willows	-	35	5	10
FORESTRY USE	For use on Pinus Radiata (only). For pre-plant use only (2 months prior to planting). For bracken, blackberry and seedling gorse control, use 170g per hectare plus Accelerate as specified in the Weeds Controlled Table.			

WITHHOLDING PERIOD

Do not graze treated area with dairy cows within 3 days of application or 1 day with other stock. After spraying ragwort, plants become palatable to stock, so do not allow stock into sprayed areas until plants have died.

RAINFALL

Rainfall within 1 hour of application may reduce the effectiveness of ERADICATE 600.

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.

Critical comments

Apply to actively growing weeds during spring or autumn.

Apply to actively growing ragwort from the rosette stage to late flowering. Use the higher rate on multi-crown plants. Direct spray to the centre of plants, as complete coverage is not essential. On flowering plants, application before flower senescence will ensure that seed will not be viable.

CAUTION: Treated ragwort plants may become more palatable to stock. To avoid poisoning, remove stock from treated areas until plants have died off.

Apply to actively growing plants, ensuring complete coverage, in the period from November to April.

Apply to actively growing tauhinu. The addition of Accelerate is essential for good control. Larger bushes may not be controlled.

Apply to actively growing thistles.

Apply to actively growing plants.

Apply during the spring up until late autumn.

Best control is achieved when actively growing, preferably during the period November to April. Ensure complete coverage of trees.

ravensdown 

ERADICATE 600

**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: 6.3B, 6.4A, 9.1A, 9.2A

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.

TOXICITY

Harmful - May cause eye and mild skin irritation.

ECOTOXICITY

Very toxic to aquatic organisms. Avoid contamination of any water supply with chemical or empty container. 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.

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. Aerial application is recommended in non-crop areas only. Do not apply or flush equipment onto or near desirable trees or plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.

HANDLING PRECAUTIONS

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 area away from foodstuffs, fertilisers and seeds. Stores containing 100kg of ERADICATE 600 are subject to signage and secondary containment. More than 100kg require emergency response plans.

PERSONAL PROTECTION

Avoid contact with skin and eyes. Avoid inhalation of dust and spray mist. When handling wear protective clothing such as gloves, eye protection, overalls and boots. Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke while using.

EQUIPMENT

Apply using well maintained and accurately calibrated equipment. Decontaminate spray equipment after use.

RECORD KEEPING

Records of use as described in NZS 8409 Management of Agrichemicals must be kept.

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.

Registered Pursuant to the ACVM Act 1997, P7135.

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSN0 Act 1996, Code: HSR000242.

See www.epa.govt.nz for approval controls.

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



AGRECOVERY

www.agrecovery.co.nz

PHONE **0800 100 123**