

DONAGHYS

Rainvel



HERBICIDE

A selective herbicide for the control of difficult broadleaf weeds in cereals, maize, pasture and waste areas. (Controls atrazine resistant fathen in maize).

20
Litre

ACTIVE INGREDIENT:
500g/litre dicamba as
the dimethylamine salt
in the form of a soluble
concentrate

WARNING
Keep out of reach of children

INSTRUCTIONS - RAINVEL

HANDLING PRECAUTIONS

STORAGE Store in original container tightly closed and in a secure, dry, cool area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100 litres are subject to secondary containment and signage and more than 100 litres require emergency response plans.

PERSONAL PROTECTION Avoid contact with skin or eyes and inhalation of spray mist. When handling wear appropriate eye protection, waterproof gloves, overalls and boots. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash contaminated clothing and personal protective equipment before reuse.

EQUIPMENT Apply using well maintained and accurately calibrated equipment. Clean equipment thoroughly after use.

DISPOSAL Triple rinse empty container and add rinsate to the spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill. Dispose of product only by using according to the label, or at an approved landfill.

Spillage: Wear appropriate protective clothing and prevent material from entering waterways. Contain liquid spills and absorb with inert material. Wash area with water and absorb with further inert material. Dispose of waste safely in a suitable landfill.

Transport: Do not carry this product on a passenger service vehicle.

Record Keeping: Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3 litres or more of Rainvel is used within 24 hours.

Animal Safety: Poisonous plants may become more palatable after spraying. Stock should be kept away from the area until the plants have died down.

Mixing and Compatibility: Partially fill the spray tank and add the correct quantity of Rainvel. Agitate thoroughly while filling and spraying. Rainvel is compatible with most commonly used herbicides. Add Rainvel first to the spray tank.

Cleaning: Flush equipment thoroughly with clean water after use. If the spray unit which has applied Rainvel is to be used for the application of other chemicals to sensitive crops, ensure the unit is completely decontaminated.

Shelf Life: When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

General Information: Rainvel is active against many broadleaf weeds and is particularly useful in assisting the activity of phenoxy herbicides such as MCPA 750, 2,4-D Ester and 2,4-D Amine. Rainvel can be tank mixed with Glyphosate where white clover control is desired.

Best control is achieved when Rainvel is applied to seedling weeds (3-5 leaf stage, or rosettes less than 5cm diameter). Unless stated otherwise application to larger annual weeds or established biennials and perennials will not provide adequate control.

- Do not spray when rain seems likely to occur within 6 hours.
- Do not spray when weeds are wet with dew or rain or under stress from drought, extreme cold or waterlogging.
- Do not spray outside recommended crop growth stages as crop damage may result.
- Do not apply Rainvel to turnips, swedes, forage rape or hybrid brassicas as severe crop damage may occur.



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- Rainvel is injurious to clover and re-establishment of clover in treated pasture may be difficult for up to 2 months after spraying.

Plant Back Period: Do not plant legume crops (peas, lucerne, clover, lupins) within 28 days of using Rainvel. Grass, cereal and brassica crops do not require any waiting period.

WEEDS CONTROLLED OR SUPPRESSED

Annuals

Mouse-ear chickweed, black medic, black nightshade, Cape weed, chamomiles, chickweed, cleavers, annual clovers, cornbind, cut-leaved geranium, dove's foot, fathen (**does not** control dicamba resistant fathen biotypes), fireweed, hemp

nettle, hedge mustard, mallows, Onehunga weed, nipplewort, prostrate amaranth, redroot (amaranth), shepherd's purse, sow thistle, stinking mayweed, spiny emex, spurrey, thorn apple, vetches, willow weed (redshank), wireweed.

Biennials or Perennials

Alligator weed, Californian thistle, catsear, dandelion, docks, fennel, bindweed, goat's rue, greater bindweed, hawkbit, hemlock, inkweed, leafy spurge, mallows, pearlwort, pennyroyal, perennial clovers, perennial sow thistle, ragwort, selfheal, sheep's sorrel, wild carrot, wild onion, yarrow. Rainvel does not control fumitory, plantains, starweed, stone crop, or speedwells.

USE	RATE	NOTES
Direct drilling of brassicas, cereals and pasture grasses	Apply 600mL Rainvel + 2.1L Glyphosate 510 in 100 - 200L of water per ha. See Glyphosate 510 label rates for problem weeds.	Graze pasture and allow 5-10cm of regrowth before spraying. Allow 3 days for chemical to be absorbed, then drill as soon as possible (5-7 days for couch, Californian thistle).
Cereals - wheat, barley and oats	140-280mL Rainvel + 750mL - 1.0L MCPA 750 in 100 - 200L of water per ha.	Apply only when the crop is at the 4-5 leaf stage between tillering and jointing. Use the lower rate for young weeds and the higher rate for more advanced weeds and where Californian thistle is present. Do not spray crops undersown with clover or lucerne.
Turf	800mL Rainvel + 1.5L MCPA 750 in 150 - 200L of water per ha.	Apply as a boom spray.
Linseed	240-280mL per 100 - 200L of water per ha.	Spray after the crop has 4 true leaves and before flower buds have formed in stem tips. Do not use when crop is undersown with clovers or lucerne. Some temporary growth suppression resulting in a short delay in maturity is likely.

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INSTRUCTIONS - RAINVEL

USE	RATE	NOTES
Maize	400-600mL per 200L of water per ha.	For control of fathen (including atrazine resistant), field bindweed and Californian thistle. Apply as an overall spray when the maize is 10- 30cm in height. For larger weeds use the higher rate. On short relative maturity hybrids (100 days or less) use the lower rate and apply at the earlier growth stage. For small maize and weeds, position boom height relative to the ground. As maize and weeds grow, raise boom height to adjust for maize height. (Avoid positioning nozzles directly over the maize whorl).
Marrow - stemmed kale (chou mollier), thousand headed kale	280-340mL per 200L of water per ha.	Spray when crop is at the 4-6 true leaf stage when weeds are small (3- 5 leaves) and actively growing.
Oil seed rape	200 - 280mL per 200 - 300L of water per ha.	Spray when crop is at the 4-6 true leaf stage when weeds are small (3- 5 leaves) and actively growing. Do not exceed the higher rate and do not spray crops in stressed growth conditions.
Pasture	100mL Rainvel + 260mL MCPA 750 in 100L of water per ha.	For the control of Californian thistle, apply as a spot spray just prior to flowering.
	120mL - 140mL Rainvel + 630mL 2,4-D Ester 680 in 100L of water per ha.	For ragwort control, apply as a spot spray. Avoid spraying surrounding pasture. Even repeated applications may not control regrowth ragwort, which is often characterised by multicrowns.
Waste areas	80mL - 120mL Rainvel + 320mL 2,4-D Ester 680 in 100L of water per ha.	Apply as a wetting spray in spring or autumn. Add Glyphosate to the mixture for grass weed control. Add Simazine for long term control.

Registered pursuant to the ACVM Act 1997, No. P008815

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

Approved pursuant to the HSNO Act 1996, Approval Code HSR000442.

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

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READ LABEL BEFORE USE

HAZARD CLASSIFICATIONS

Skin irritation Category 2. Eye irritation Category 2. Specific target organ toxicity – repeated exposure Category 2. Hazardous to the aquatic environment chronic Category 1. Hazardous to soil organisms. Hazardous to terrestrial vertebrates. Hazardous to terrestrial invertebrates

TOXICITY

WARNING - May be harmful if swallowed, inhaled or absorbed through the skin. Skin and eye irritant. May cause liver damage from repeated oral exposure at high doses.

ECOTOXIC

Do not apply directly into or onto water. Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Very toxic to the soil environment. Selective herbicide - very toxic to some plant species. **Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not allow spray drift to occur outside the treated property.**

Toxic to terrestrial vertebrates and terrestrial invertebrates.

QUALIFIED HANDLER

This product must be under the control of a suitably qualified handler during use. This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

WITHOLDING PERIOD:

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.

Do not graze treated areas or feed treated crops or threshings to livestock for two weeks after application.

CONDITIONS OF SALE

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.

FIRST AID: If swallowed do NOT induce vomiting. Get medical advice if person feels unwell. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If on skin remove contaminated clothing and wash affected skin with plenty of soap and water. **DO NOT SCRUB THE SKIN.** If irritation persists, get medical advice. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Registered to:

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