

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

  
**ravensdown**

**HERBICIDE**

# Dicam 480

A selective herbicide for control of certain hard to kill broadleaf weeds in conservation tillage programmes and in cereals, maize, some forage brassicas, waste areas and spot treatment in pastures

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**ACTIVE INGREDIENT:**

Contains 480g/litre dicamba as the dimethylamine salt in the form of a soluble concentrate.

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**Registrant: Ravensdown Ltd**

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Hornby, Christchurch 8042  
New Zealand  
Phone: 03 353 4600

[ravensdown.co.nz](http://ravensdown.co.nz)

BATCH:

D.O.M:

**NET CONTENTS**  
**20 Litres**

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# DICAM 480 | 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:** 6.1E, 6.3A, 6.4A, 6.9B, 9.1A, 9.2A, 9.3B, 9.4B

**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** - Harmful if swallowed. May be harmful if absorbed through the skin. May cause skin and eye irritation. May cause organ damage from repeated oral exposure at high doses.

#### 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.

**Toxic to terrestrial vertebrates and invertebrates.** Do not apply substance to plants if Bees are foraging.

#### 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 100L of DICAM 480 are subject to signage and secondary containment. More than 100L require emergency response plans.

##### PERSONAL PROTECTION

Avoid contact with skin, eyes and do not inhale spray mist. When mixing and applying wear protective clothing such as waterproof gloves, eye protection, overalls and boots. 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.

##### 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.

##### 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.

##### FIRST AID

If swallowed, DO NOT induce vomiting. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use. 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/attention. 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.

Registered Pursuant to the ACVM Act 1997 P7347.  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.  
Approved pursuant to the HSN0 Act 1996. Code:  
HSR000442. See [www.epa.govt.nz](http://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.

PHONE **0800 100 123**



## EMERGENCY RESPONSE

In transport emergency call 111, Police or Fire Brigade. For 24hr specialist advice in an emergency only call

**0800 CHEMCALL (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. DICAM 480 is active against many broadleaf weeds and is particularly useful in improving the activity of phenoxy herbicides such as Pasture Guard MCPA and Pasture Guard 2,4-D 680. DICAM 480 can be tank mixed with Glyphosate 360 to improve control of white clover and certain other broadleaf weeds.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

## DIRECTIONS FOR USE

### WEEDS CONTROLLED

Alligator weed, black medic, black nightshade, californian thistle, cape weed, catsear, chamomiles, chickweed, cleavers, clovers, cornbind, cut-leaved geranium, dandelion, docks, dove's foot, fathen, fennel, field bindweed, fireweed, goat's rue, greater bindweed, hawkbit, hemp nettle, hedge mustard, hemlock, inkweed, leaf spurge, mallows, mouse eared chickweed, Onehunga weed, nipplewort, pearlwort, pennyroyal, perennial sow thistle, prostrate amaranth, redroot (amaranth), ragwort, selfheal, shepherd's purse, sheep's sorrel, sow thistle, stinking mayweed, spiny emex, spurry, thorn apple, vetches, wild onion, wild carrot, willow weed (redshank), wireweed, yarrow.

### WEEDS NOT CONTROLLED

Fumitory, plantains, starweed, stone crop, speedweeds.

### APPLICATION

DICAM 480 can be applied with conventional boom and spot spraying equipment. To minimise the risk of spray drift, avoid using nozzle/pressure combinations that produce fine droplets. Do not exceed recommended use rates and avoid boom overlaps. Best results will be achieved by spraying when weeds are young, actively growing and before the 3-5 leaf stage (unless stated otherwise). Do not spray when weeds are under stress from drought, extreme cold or waterlogging. Do not spray outside recommended crop growth stages, otherwise crop damage may occur.

### MIXING

Add the required quantity of DICAM 480 to the spray tank partly filled with water and agitate. Where a second chemical is to be used, add the DICAM 480 first.

### COMPATIBILITY

DICAM 480 is compatible with most commonly used herbicides, insecticides and fungicides including Pasture Guard MCPA 750, Pasture Guard 2,4-D 680 and Glyphosate 360.

### 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 DICAM 480 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 alkaline detergent per 500L 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 thorough with clean water, flush through hoses and boom and allow to drain.

### RESISTANCE MANAGEMENT

Dicam contains dicamba, a [GROUP 2 HERBICIDE](#) from the benzoic acid chemical group with the action like indole acetic acid (synthetic auxins) mode of action. Naturally occurring weed biotypes resistant to dicamba are known to exist. These become more prevalent after many years of continuous use of the product. Species with known resistant biotypes include fathen. To prevent or delay development of resistant biotypes, use Dicam in tank mixture or rotation with herbicides of a different mode of action against the weed. Consult [www.resistance.nzpps.org/](http://www.resistance.nzpps.org/) for alternative modes of action and details of resistance management strategies (if any) for the crops listed on the label.

### CROP PRECAUTIONS

Do not spray undersown crops, pastures (except as a spot spray), peas, lucerne, grapes and ornamentals or where their roots might extend. Poisonous plants may become more palatable after spraying, do not graze treated areas until the plants have died down. Do not graze treated areas or feed treated crops of threshings to livestock for two weeks after application.

### CLOVER

DICAM 480 injures clover and re-establishment of clover in pasture may be difficult for up to 2 months after spraying.

### SOIL RESIDUES

Do not sow legume crops (clover, lucerne, lupins, peas) within 28 days of applying DICAM 480. Grass, cereals, maize and brassica crops do not require any plantback period.

### RAINFALL

Do not spray if rainfall is expected within 6 hours of spraying.

**DIRECTIONS FOR USE**

**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.**

<b>Crop/Situation</b>	<b>Rate</b>	<b>Critical comments</b>
Direct Drilling; brassicas, cereals, maize, grasses	625ml/ha plus Glyphosate 360(see label for rates)	Graze pasture and allow 5-10cm of re-growth before spraying. Allow 3 days for the product to be absorbed and translocated before drilling. For couch and Californian thistle allow 5-7 days before drilling. Apply in 100-200L of water per hectare.
Cereals; wheat, barley, oats	150-300ml/ha plus 750ml-TL/ha Pasture Guard MCPA 750	Spray when the crop is at the 4-5 leaf stage between tillering and jointing. Use the lower rate for small weeds and the higher rate for larger weeds or where Californian thistle is present. Do not spray crops undersown with clover or lucerne. Apply in 100-200L of water per hectare.
Forage brassicas; marrow-stemmed kale (chou moellier), thousand headed kale	300-350ml/ha	Apply when the crop is at the 4-6 leaf stage when weeds are small and actively growing. Apply in 200L of water per hectare.
Oilseed rape	210-300ml/ha	Apply when the crop is at the 4-6 leaf stage when weeds are small and actively growing. Apply in 200L of water per hectare. Do not exceed the higher rate and do not spray when crops are stressed.
Linseed	250-300ml	Apply after the crop has reached the 4 leaf stage but before flower buds have formed in 100-200L of water per hectare. Do not spray crops under-sown with clover or lucerne.
Maize	420-625ml/ha	Apply in 200L of water per hectare as an overall spray when the maize is 15-30cm in height. Use the higher rate on larger weeds. On hybrids with a short relative maturity (100 days or less) use the lower rate and apply at the earlier growth stage. Position the spray boom relative to the crop height. Avoid positioning the boom directly above the maize whorl. For aerial application apply a minimum of 50L of water per hectare. Spraying outside the recommended growth stages and at rates higher than recommended may result in crop damage.
Pasture; californian thistle	100ml DICAM 480 plus 250ml/ha Pasture Guard MCPA 750 per 100L of water	Apply as a spot treatment prior to flowering. Avoid spraying surrounding pasture.
Ragwort	125-150ml DICAM 480 plus 400ml/ha Pasture Guard 2,4-D 680 per 100L of water	Apply as a spot treatment. Repeat applications may not control regrowth ragwort, often characterised by multi-crowns. Avoid spraying surrounding pasture.
Non-cropland areas	85-125ml DICAM 480 plus 200ml/ha Pasture Guard 2,4-D 680 per 100L of water	Apply with a handgun as a wetting spray to the point of run off in spring or autumn. For grass weed control add Glyphosate 360 at appropriate label rate. Add Simaflo for long term control.
Turf	850ml/ha plus 1.5L/ha Pasture Guard MCPA 750	Apply as an overall spray in 150-200L of water per hectare during periods of active growth. Pasture Guard 2,4-D 680 can be used at label rates instead of MCPA.

**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.

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