

**HARMFUL - KEEP OUT OF REACH OF CHILDREN
ECOTOXIC**



Herbicide

PASTURE GUARD MCPB

**For the control of broadleaf weeds
in pastures and some crops**



ACTIVE INGREDIENT: Contains 385g/litre MCPB as the sodium salt in the form of a soluble concentrate.

Registrant:
Ravensdown Fertiliser Co-operative Ltd
Level 1, 32 Oxford Terrace
Christchurch, New Zealand
Telephone: 03 353 4600
Facsimile: 03 353 4625

Batch:
D.O.M:

NET CONTENTS:
20 LITRES

READ LABEL CAREFULLY BEFORE USING PASTURE GUARD MCPB

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

HAZARD CLASSIFICATION: 6.1D, 6.4A, 6.8B, 6.9B, 9.1A, 9.2A, 9.3C

APPROVED HANDLER

This product must be under the control of an approved handler when it is applied in a wide dispersive manner, used by a commercial contractor or applied directly onto or into water.

TOXICITY

Harmful - may be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation. May cause reproductive/development damage and 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.

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.

Harmful to terrestrial vertebrates.

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, well ventilated area away from foodstuffs, fertilizers and seeds.

Stores containing 100L of Pasture Guard MCPB are subject to signage and secondary containment. More than 100L require emergency response plans.

PERSONAL PROTECTION

Avoid contact with skin, eyes and inhalation of spray mist.

When handling wear protective clothing such as impervious 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. For advice contact the National Poisons Center 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water. If inhaled, move the patient to fresh air immediately. Begin artificial respiration if breathing has stopped.

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 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. Best results are obtained when weeds are in the seedling stage of growth and are actively growing.

APPLICATION

Boom: Use 100-200 litres of water per hectare. Use 300 litres of water per hectare for difficult to control weeds. This is to obtain a more complete coverage.

Aerial: Pasture Only: Use 60-100 litres of water per hectare.

TIME OF APPLICATION

Newly Sown Pastures:

Apply Pasture Guard MCPB preferably when all the clovers have developed two trifoliate leaves. To reduce chances of root absorption, more than 50% of the ground must have complete vegetation cover. Weeds should be small and actively growing.

Clover Seed Crops:

For best results spray in autumn or spring when weeds are actively growing, and/or before closing the paddock for seed.

Peas:

DO NOT apply more than 4L/ha Pasture Guard MCPB to peas.

Spray at the 5-7 node crop stage (8-18cm high).

Caution: some temporary twisting of the peas may occur, but the crop will soon grow out of it.

Cereals Undersown With Clover and/or Ryegrass/Clover:

DO NOT apply Pasture Guard MCPB to crops undersown with lucerne.

Apply Pasture Guard MCPB preferably when all clovers have developed two trifoliate leaves.

To reduce chances of root absorption, more than 50% of the ground must have complete vegetation cover. Weeds need to be small and actively growing.

MIXING

Mix required quantity in spray tank partly filled with water and maintain agitation through filling and spraying.

COMPATIBILITY

Pasture Guard MCPB is compatible with most commonly used herbicides.

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 Pasture Guard MCPB 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 100 litres 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

Naturally occurring weed biotypes resistant to Pasture Guard MCPB and other phenoxy herbicides are known to exist. Species with known resistant biotypes include nodding thistle, winged thistle and buttercup. To delay development of resistant weeds, use Pasture Guard MCPB in tank mix with other herbicides where appropriate or rotate with herbicides of different mode of action.

ANIMAL SAFETY

Poisonous plants such as ragwort may become more palatable after spraying. If concerned that stock health maybe affected, stock should be kept away from the treated area until plants have died down. Delay grazing for two weeks after spraying as treated weeds will be palatable to stock.

RAINFALL

Do not spray if rain is expected within 6 hours.

WEEDS CONTROLLED TABLE

Bathurst bur, black nightshade, buttercup (annual), chickweed, cleaver, cress, fathen, field bindweed, fumitory, hedge mustard, nettle, nodding thistle, plantain, ragwort, redroot, shepherds purse, spurrey, thistle (annual), wild turnip, willow weed, winged thistle and wireweed.	
Californian thistle	Apply 4 litres per hectare when the plants are about 30-40cm in height and at early flower formation.
Buttercups (Perennial)	Repeat treatments are necessary for long term control. Treatments should be 6 litre per hectare, applied early summer, a second in autumn and a third the following summer.
Caution:	2,4-DB Herbicide should be used where docks, ragwort, cornbind, willow weed, water pepper and wireweed are dominant.

SITUATIONS FOR USE

Situation	Rate	Water rate	Critical comments
Cereals: (undersown with clover and/or ryegrass/clover)	2-3L/ha	200-300L/ha	Apply between the 2 leaf and joining stage of the cereal crop and after the clovers have 2 true trifoliate leaves. Do not use Pasture Guard MCPB on crops undersown with lucerne.
Clover Seed Crops:			
Red Clover	3L/ha	200L/ha	Apply while clover is still dormant but before spring growth occurs.
White Clover	3L/ha	200L/ha	Apply before flowering starts in spring but after the 2 true trifoliate leaves have formed.
Linseed	3L/ha	200L/ha	Crop must be at least a height of 8cm.
Pasture:			
Newly sown	3-4L/ha	200L/ha	Apply when clovers have 2 true trifoliate leaves and a good ground cover of vegetation exists.
Established	3-4L/ha	200L/ha	Apply when weeds are small and actively growing.
Peas	3-4L/ha	300L/ha	Apply at 5-7 node stage of crop. (8-18cm in height).

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 P7120.

See www.nzfsa.govt.nz/acvm/ for registration conditions.

Approved pursuant to the HSN0 Act 1996, Code: HSR000416.

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

Agrecovery is available on HDPE containers of 60 litres or less only.



PHONE 0800 100 123 FAX 0800 100 118
24 hours, 7 days



AGRECOVERY