MCPB Herbicide

Controls broadleaf weeds in pastures and some crops

READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

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

GROUP 01 HERBICIDE

HARMFUL - Keep out of reach of children

ECOTOXIC

CONTENTS: 5L, 20L, 200L

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

### APPROVED HANDLER
This product must be under the personal control of an approved handler when:
- a) applied in a wide dispersive manner; or
- b) used by a commercial contractor.

### RECORD KEEPING
Records of use, as described in the relevant HSNO regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept if more than 3L of MCPB Herbicide is applied, or discharged within 24 hours in a place where members of the public may be present or where the substance may enter air or water and leave the place.

### TOXICITY
MAY CAUSE EYE IRRITATION. Avoid contact with eyes.

THIS SUBSTANCE MAY BE HARMFUL IF SWALLOWED, OR ABSORBED THROUGH THE SKIN. MAY DAMAGE FERTILITY OR THE UNBORN CHILD FROM REPEATED ORAL EXPOSURE. MAY CAUSE ORGAN DAMAGE FROM REPEATED ORAL EXPOSURE AT HIGH DOSES. Do not eat, drink or smoke while using. Remove protective clothing immediately after handling this product and wash hands and face before meals and after work.

### ECOTOXICITY
VERY TOXIC TO AQUATIC ORGANISMS. Do not contaminate an aquatic environment with chemical or empty container. Do not spray over or allow drift over, an aquatic environment.

SELECTIVE HERBICIDE - VERY TOXIC TO SOME PLANT SPECIES. Some plants may be damaged or killed by contact with this product. Do not allow drift outside the target area to occur. Decontaminate equipment before use on sensitive plants (see Application Methods section).

HARMFUL TO TERRESTRIAL VERTEBRATES. Store chemical and empty containers away from animals and birds.
HANDLING PRECAUTIONS

EQUIPMENT
Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Flush equipment thoroughly with clean water after use according to Cleaning Spray Equipment instructions below. Dispose of cleaning water according to the disposal instructions below.

STORAGE
Store in the original container tightly closed and in a locked, dry, cool well ventilated area, well away from ignition sources and foodstuffs. Avoid contamination of seeds, fertilisers and other pesticides.

Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409). Stores containing 100L or more of MCPB Herbicide require bunding and are subject to signage. See the Hazardous Substances Emergency Management and Identification Regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409) for further information.

PERSONAL PROTECTION
When mixing or applying wear eye protection, chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, chemical resistant boots and cotton overalls buttoned to the neck and wrist.

SPILLAGE
Do not touch or walk through spilled material. Wear the protective equipment recommended above. Stop leak when safe to do so. Dam area and prevent entry into waterways and drains. Small spills/leaks: Absorb with a proprietary absorbent suitable for chemical spills or inert material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Large spills/leaks: Dam the area off and report them to Dow AgroSciences Emergency Services at 0800 844 455.

DISPOSAL
Triple rinse empty container and add rinsate to spray tank. Do not burn empty containers that have not been rinsed. Triple rinsed containers containing the Agrecovery logo on the label and that are free of all residues (liquid and dry) and have an intact legible label should be taken to an Agrecovery collection site. Otherwise crush and bury in a suitably approved landfill. Do not burn empty containers.

Dispose of the product only by using according to the label, via Agrecovery (visit www.agrecovery.co.nz or call 0800 AGRECOVERY (247 326) for information about the type and quantity of chemical acceptable for disposable), or at an approved landfill. Do not burn.

Dispose of equipment cleaning water onto ground away from susceptible crops and plants.

Do not dispose of this product, spray mix or equipment cleaning water down drains or sewers.
FIRST AID
If swallowed do not induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If splashed in eyes, wash out immediately with water. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

TRANSPORT
Do not carry more than 1L on a passenger service vehicle. Quantities of 1L or less carried on a passenger service vehicle must be contained within sealed packaging.

SAFETY DATA SHEET
A Safety Data Sheet is available from Dow AgroSciences on request. Call Customer Service Toll Free on 0800 803 939 or visit www.dowagrosciences.co.nz.

NOTICE
Important: You must read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal, and requirements for approved handlers [if applicable]) then return the unopened product to the supplier at once.

Warning: This product is subject to controls and could be hazardous if handled incorrectly. The user is responsible for ensuring that the handling of this product is in accordance with the law (including the Hazardous Substances and New Organisms Act 1996 and the Agricultural Compounds and Veterinary Medicines Act 1997) and with the directions provided. The Registrant declines all liability (whether in contract, tort (including but not limited to negligence), or otherwise) to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

Further information regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand (www.epa.govt.nz) or the Ministry for Primary Industries (MPI) (www.foodsafety.govt.nz).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed.

Registered pursuant to the ACVM Act 1997, No P268. See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR000416 See www.epa.govt.nz for approval controls.

Registered to:
Dow AgroSciences (NZ) Ltd
89 Paritutu Road
Private Bag 2017
New Plymouth 4342
Telephone 0800 803 939
www.dowagrosciences.co.nz

EMERGENCY RESPONSE
(All hours)
Ring from anywhere in New Zealand
0800 844 455
Or Globally
+64 6 751 2407

IN A TRANSPORT EMERGENCY
DIAL 111
FOR POLICE AND FIRE
Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPB) Marine pollutant
Class: 9
UN Number: 3082
Packing Group: III
HAZCHEM 2X

DOM / Batch No.:
ANIMAL SAFETY
Poisonous plants (including but not limited to black nightshade and buttercups) may become more palatable after spraying. If concerned that stock may be affected, stock should be kept away from the area until the plants have died down.

APPLICATION METHODS
MCPB Herbicide can be applied using conventional ground or aircraft spraying equipment. Flush equipment thoroughly with clean water after use. Decontaminate before using on plants that are sensitive to MCPB Herbicide. Crops susceptible to MCPB Herbicide include, but are not limited to: brassicas, flowers, fruit trees, ornamentals, potatoes, tomatoes, vegetables and vine crops.

Boom spraying: Use a minimum 100-200 L/ha water applied as a medium quality spray as defined by the British Crop Protection Council (BCPC) system or the American Society of Agricultural Engineers (S572) (ASAE). For difficult-to-control perennial pasture weeds, use 300 L/ha water to obtain complete coverage.

Aerial spraying: Use a minimum of 30-100 L/ha water applied as a coarse quality spray as defined by BCPC and ASAE.

CDA spraying: For pasture spraying apply 15-50 L/ha water using spray equipment which will produce a droplet size not less than 150 microns.

IMPORTANT: In order to select the appropriate nozzles for the required spray quality and to operate the equipment to minimize spray drift, this product must be applied in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409).

Cleaning spray equipment:
Rinsing
After using MCPB Herbicide:
• Empty the spray tank completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain spray unit and clean any filters in the tank, pump, lines, hoses and nozzles.
• After cleaning the spray unit as above, quarter fill with clean water and circulate the water through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.
• Discard rinse water on land already sprayed or on wasteland away from desirable plants and water sources.

Decontamination
Before using equipment with other products sensitive to MCPB Herbicide:
• Wash the tank and rinse the system as above. Then quarter fill the tank and add a standard alkali based laundry detergent at 500g (or mL)/100L water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250g (or mL)/100L water. Do not use chlorine based cleaners.
• Drain the whole system. Remove filters and nozzles and clean them separately.
• Finally, flush the system with clean water and allow to drain.
MIXING:
Pour the required quantity of MCPB Herbicide into the partly filled spray tank and add the remainder of the water, agitating thoroughly during filling.

WITHHOLDING PERIODS
It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues Limits of Agricultural Compounds) Food Standards.

Except for animal safety reasons no withholding period is required when used as directed.

RESISTANCE MANAGEMENT

MCPB Herbicide is a phenoxy-carboxylic-acid herbicide (Group 01). Some naturally occurring individual weeds may become resistant when excessive use of the same herbicide occurs. To maximize the effectiveness of herbicides, products containing alternate modes of action should be used in the spray program. Consult http://resistance.nzpps.org/ for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

DIRECTIONS FOR USE:
MCPB Herbicide is specially recommended for selectively controlling broadleaf weeds in new pastures, clover seed crops and pea crops.

Avoid application if heavy rain is expected.

CROPS:
For rates of application, see Weeds Controlled table below.

<table>
<thead>
<tr>
<th>Crops</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newly Sown Pastures</td>
<td>MCPB Herbicide should be applied as soon as the clovers have developed one and preferably two trifoliate leaves. Where more than 50% of bare ground is exposed, the spraying should be delayed until the vegetation provides a more complete cover, to reduce the possibilities of root absorption. Weeds should be small and actively growing.</td>
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<tr>
<td>Clover Seed Crops:</td>
<td>Spray during autumn or in spring when weeds are in active growth, before closing the paddock for seed.</td>
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<tr>
<td>Peas:</td>
<td>Spray at the 5-7 node stage (8-18 cm high). Some initial twisting of the peas may result but this is only temporary. Do not apply more than 4 L/ha MCPB Herbicide to peas.</td>
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<tr>
<td>Cereals Undersown With Clover or Ryegrass/Clover:</td>
<td>As for newly sown pasture. Do not apply MCPB Herbicide to crops undersown with lucerne.</td>
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MCPB Herbicide 300915
<table>
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<tr>
<th>WEEDS</th>
<th>RATE L/ha</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buttercups (annual), cresses, fathen, field bindweed, hedge mustard, redroot, shepherd’s purse, thistles (annual)</td>
<td>4</td>
<td>Weeds must be treated as seedlings.</td>
</tr>
<tr>
<td>Bathurst bur, black nightshade, nettle, nodding thistle, plantains, ragwort, wild turnip, winged thistle</td>
<td>6</td>
<td>Weeds must be treated as seedlings. Winged thistle: aerial application may provide variable control.</td>
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<tr>
<td>Californian thistle</td>
<td>4</td>
<td>Apply to active growth at the early flower bud stage when plants are about 30 - 40cm high.</td>
</tr>
<tr>
<td>Buttercups (perennial)</td>
<td>6</td>
<td>Apply to active growth before flowering. Preside™ Herbicide is the preferred product.</td>
</tr>
</tbody>
</table>

Young pasture:
1. Where chickweed (not annual mouse-ear), cleavers, mayweeds and spurrey are present add Preside™ Herbicide.
2. Where cornbind, docks, ragwort, water pepper, willow weed, or wireweed are predominant, 2,4-DB Herbicide is the preferred product.

Californian thistle and buttercups (perennial):
These weeds normally require repeat treatments for long-term control. Apply the first treatment in early summer followed by a second treatment in autumn. A third application early the following summer is usually necessary.