Pasture Guard®
MCPOA 750

For the control of broadleaf weeds in pastures, and cereals

ACTIVE INGREDIENT:
Contains 750g/litre MCPA as the dimethylamine salt in the form of a soluble concentrate.

Registrant: Ravensdown Ltd
292 Main South Road
Hornby, Christchurch 8042
New Zealand
Phone: 03 353 4600
ravensdown.co.nz

NET CONTENTS
20 Litres

CORROSIVE
HARMFUL – KEEP OUT OF REACH OF CHILDREN. ECOTOXIC
**HAZARD CLASSIFICATION: 6.1D, 6.9A, 8.3A, 9.1A, 9.2A, 9.3B**

**APPROVED HANDLER:** This product must be under the control of an approved handler when it is applied in a wide dispersive manner or used by a commercial contractor.

**CORROSIVE**
- **Danger:** - this product is corrosive and may cause eye damage.

**ECOTOXICITY**
- **Toxic:** - May cause organ damage from repeated oral exposure at high doses.
- **Harmful:** - May be harmful if swallowed, inhaled or absorbed through the skin.

**HANDLING PRECAUTIONS**

**STORAGE**
- Keep out of reach of children. Store in accordance with NZS 8409 Management of Agrochemicals or in original container tightly closed in a locked, dry, cool, well ventilated area away from foodstuffs, fertilizers and seeds. Store containing 100L of PASTURE GUARD MCPA 750 are subject to signage and secondary containment. More than 100L require emergency response forms.

**PERSONAL PROTECTION**
- Avoid contact with skin and eyes and inhalation of spray mix. When applying, wear protective clothing such as chemically resistant gloves and boots, eye protection and overalls. 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.

**FIRST AID**
- If swallowed, DO NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 764) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If contact with eyes occurs wash out immediately with running water for several minutes. 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.

**EMERGENCY RESPONSE**
- In transport emergency call 111, Police or Fire Brigade. For 24/7 specialist advice in an emergency only call ORIO CHEMALL (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**

**PASTURE MANAGEMENT**
- Grazing by livestock to spraying: reduce clover leaf and to expose target weeds. Leave for one week to allow weeds to recover from grazing.

**APPLICATION**
- **Booms:** Use 200-300L of water.
- **Handguns:** 500L in 100L of water.

**TIME OF APPLICATION**
- Autumn, early winter or early spring treatment is recommended for best control. During mid winter when weeds are growing less actively, variable results can occur. Do not apply to any weeds under stress (frost, drought).

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

**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 Agrochemicals must be kept.

**DISPOSAL**
- Triple rinse container and add rinse to spray tank. Triple rinsed containers containing the Agroecology logo on the label and those that have all residues and have an intact legible label may be taken to an Agroecology collection site for disposal. Otherwise crush or puncture and burn 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.

**COMPATIBILITY**
- PASTURE GUARD MCPA 750 is compatible with most commonly used herbicides.

**SPRAYER DECONTAMINATION**
- Always maintain compliance with any relevant regional air management plans. Do not spray drift over aquatic environments.

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

**CLOVER**
- High rates of PASTURE GUARD MCPA 750 may cause temporary suppression of clovers, particularly red, subterranean and suckling clovers.

**RAINFALL**
- DO NOT spray if rain is expected within six hours of spraying.

**RESISTANCE MANAGEMENT:**
- PASTURE GUARD MCPA 750 contains mcpa, a phenoxy acid from the phenoxy carboxylic acid chemical group with the action like indole acetic acid (synthetic auxins) mode of action. Naturally occurring weed biotypes resistant to phenoxy herbicides are known to exist. These become more prevalent after many years of excessive use of the product. Species with known resistant biotypes include nodding thistle, slender winged thistle and buttercups. To prevent or delay development of resistant biotypes, consider using PASTURE GUARD MCPA 750 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.

**PHONE 0800 100 123**

**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.

<table>
<thead>
<tr>
<th>Crop</th>
<th>Weeds controlled</th>
<th>Rate</th>
<th>Critical comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cereals (wheat, oats and barley)</td>
<td>Black nightshade, seeding docks, fatten, hedge mustard, nettie, shepherd's purse, wild thistle, redroot and weeds shown under pasture below</td>
<td>1.5L in 200-300L of water</td>
<td>Apply when weeds are at the 2-6 leaf stage and growing actively. Spray when the crop is between the 5 leaf stage and jointing. Do not use on cereals under sown with clovers.</td>
</tr>
<tr>
<td>Linseed</td>
<td>For weeds mentioned under cereals above</td>
<td>750 - 900ml in 200-300L of water</td>
<td>Apply while the crop is between 8cm in height and early bud formation. Weeds should be young and actively growing.</td>
</tr>
<tr>
<td>Pasture</td>
<td>Annual buttercup and hedge mustard</td>
<td>1.5 - 2L in 200-300L of water</td>
<td>Apply the lower rate on seedlings and younger plants.</td>
</tr>
<tr>
<td>Nodding thistle</td>
<td>1.5 - 2L in 200-300L of water</td>
<td></td>
<td>Apply the lower rate on small rossettes with a less than 2cm in diameter. Use the higher rate for plants with a crown 2-4cm in diameter and apply before flower stalk development. Thistles with root crowns greater than 4cm in diameter and multi crown plants are not well controlled.</td>
</tr>
<tr>
<td>Variegated thistle</td>
<td>1.5 - 2L in 200-300L of water</td>
<td></td>
<td>Apply the lower rate to seedlings and the higher rate on small rossettes less than 15cm in diameter.</td>
</tr>
<tr>
<td>Winged thistle</td>
<td>1.5 - 2L in 200-300L of water</td>
<td></td>
<td>Treat young plants while actively growing.</td>
</tr>
<tr>
<td>Catasar, dandelion, nettles, plants, twin cress, wild thistle and willow weed</td>
<td></td>
<td></td>
<td>Apply in early Spring during active growth. Follow up treatments may be necessary. If clover is important, use PASTURE GUARD MCPA 750 1L/ha plus P Pasture Guard Nuture 3L/ha.</td>
</tr>
<tr>
<td>Hoary clover and creeping mallow</td>
<td>2L in 200-300L of water</td>
<td></td>
<td>Apply at early flower bud stage when plants are about 30-40cm high. Repeat treatments are likely to be required. Apply the first treatment in early Summer followed by a second treatment in Autumn. A third application the following summer is also usually necessary.</td>
</tr>
<tr>
<td>Californian thistle and perennial buttercups</td>
<td>2L in 200-300L of water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scotch thistle</td>
<td>1.5 – 2L in 200-300L of water</td>
<td></td>
<td>Apply low rate on seedlings and young plants.</td>
</tr>
<tr>
<td>Grass seed crops</td>
<td>For the control of the weeds listed for cereals</td>
<td>0.7 – 1L in 200-300L of water</td>
<td>Weeds should be young and actively growing.</td>
</tr>
</tbody>
</table>

**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.


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

**RAINSFALL**
- In areas where Thistles have been found to have been hard to control add Multiple at 1000ml/h. If Multiple is added severe suppression of perennial clover may occur and annual clovers may be removed from the sward.