

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

  
**ravensdown**

**HERBICIDE**

**GROUP 4**

# Pasture Guard<sup>®</sup> Nurture

For the control of thistles and other broadleaf weeds in pastures, grass and white clover seed crops, peas and cereals

**ACTIVE INGREDIENT:**

Contains 375g/litre MCPB and 25g/litre MCPA both as the sodium salt in the form of a soluble concentrate.



**Registrant: Ravensdown Ltd**

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BATCH:

D.O.M:

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

ravensdown 



# PASTURE GUARD® NURTURE | 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: 6.1D, 6.4A, 6.8B, 6.9B, 9.1A, 9.2A, 9.3C

**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 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. 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.  
**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, fertilisers and seeds. Stores containing 100L of PASTURE GUARD NURTURE are subject to signage and secondary containment. More than 100L require emergency response plans.

**PERSONAL PROTECTION**  
 Avoid contact with skin and 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 when more than 3L of the product is used within 24 hours in a place where the pesticide is likely to enter air or water and leave the place.  
**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 medical advice is needed, have product container or label at hand. If swallowed, Rinse mouth. DO NOT induce vomiting. 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. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical 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 are exposed or concerned.

## 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. The activity of PASTURE GUARD NURTURE depends on its conversion within the plant into an active form and this occurs most readily in actively growing weeds. Treat weeds when they are as young as possible, but ensure they are actively growing. Weeds rapidly become less susceptible as they age. Cold or frosty conditions following treatment may halt growth and reduce effectiveness. Do not spray during drought, frost or cold slow growth conditions. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

## APPLICATION

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

**Aerial:** Aerial application or the use of ULV applicators is not recommended.

**Spot Spraying:** Use a dilution of 1:100 (10ml/L of water) and spray to wet the plant thoroughly.

## MIXING

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

## COMPATIBILITY

PASTURE GUARD NURTURE 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 NURTURE from mixing and spraying equipment as follows:

1. Drain tank, then flush tank, booms and hoses with clean water.
2. Half fill the tank with clean water and add 500g of an alkali detergent per 100L 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.

## 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 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 12 hours.

## RESISTANCE MANAGEMENT:

PASTURE GUARD NURTURE contains MCPB and MCPA, both are a **GROUP 4 HERBICIDE** 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 continuous 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 NURTURE 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.

## 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.**

Weeds Controlled	Critical comments
Annual buttercups, Fathen, Scotch thistle	Controlled at all growth stages before flowering.
Giant buttercup, Black nightshade, Redroot, Twin Cress	Good control in seedling stages (2-3 leaves). Useful suppression at later growth stages.
Nodding thistle, Winged thistle, Variegated thistle	Good control in seedling stages (2-3 leaves) with 4L/ha.
Californian thistle	Treat at the flower bud stage with 4L/ha.
Corbind, Hedge mustard, Nettle, Seedling docks, Wild turnip, Willow weed, Wireweed	Controlled in seedling stage (2-3 leaves) only with 4L/ha. Useful suppression at later growth stages.
Chamomiles, chickweed, cleavers, daisy, dandelion, mature docks, ragwort, rushes, speedwells, spurrey, and stinking mayweed will not be controlled	

Situation	Rate/ha	Water/ha	Critical comments
Pasture - newly sown	3 - 4L/ha	200L	Apply after clover has developed 2 true trifoliate leaves and weeds are in the young seedling stage and actively growing. To reduce chances of root absorption, more than 50% of the ground must have complete vegetation cover.
Pasture - established		200L	Use the higher rate once weeds are past the 2-3 leaf stage or growing strongly.
Grass seed crops (including: ryegrass, cocksfoot, timothy and dogstail)		200-300L	Apply well before seed head emergence when the majority of weeds are in the seedling growth stage and actively growing.
White clover seed crops		200L	Apply in spring to actively growing seedling weeds. Do not apply after the clover has commenced flowering.
Cereals		200-300L	Apply between the 2 leaf and 1st node detectable stage of the cereal crop, when weeds are small and actively growing. Use the higher rate if weeds have developed more than 2-3 leaves and are in the young plant stage. Do not use PASTURE GUARD NURTURE on crops undersown with clover or lucerne.
Peas		300L	Apply at 5-7 node stage of crop. Some initial twisting of the peas may result, but this is only temporary. Do not mix PASTURE GUARD NURTURE with other herbicides for use in peas. Heavy rain may reduce the protective wax of the foliage. If this occurs delay treatment until a crystal violet test confirms the crop is safe to treat.

## 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, No.P8410. See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions. Approved pursuant to the HSNO Act 1996, Code: HSRO00726. 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

 **AGRECOVERY**  
[www.agrecovery.co.nz](http://www.agrecovery.co.nz)