

WARNING – KEEP OUT OF REACH OF CHILDREN. ECOTOXIC


ravensdown

HERBICIDE

GROUP 6

Pasture Guard[®] Bentazone

A selective post-emergence herbicide for use on onions, cereals, clover and grass seed crops, pasture, potatoes, soya beans, peas, lucerne and turf

ACTIVE INGREDIENT:

Contains 480g/litre bentazone as the sodium salt in the form of a soluble concentrate.



Registrant: Ravensdown Ltd

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Hornby, Christchurch 8042
New Zealand
Phone: 03 353 4600

ravensdown.co.nz

BATCH:

D.O.M:

**NET CONTENTS
20 Litres**

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PASTURE GUARD® BENTAZONE | 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, 6.4A, 6.5B, 9.1C

TOXICITY
Harmful – This substance may be harmful if swallowed, and may cause irritation to the eyes. Avoid eye contact. May cause sensitisation by skin contact. Avoid inhalation of vapours or mist from spray.

ECOTOXICITY
Harmful to aquatic life with long-lasting effects. Avoid contamination of any water supply with product or empty container. Do not apply directly into or onto water.
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.

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 1000L of PASTURE GUARD BENTAZONE are subject to signage and secondary containment. More than 1000L require emergency response plans.

PERSONAL PROTECTION
 Avoid contact with skin and eyes and inhalation of spray mist. When handling 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.

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 medical advice is needed, have product container or label at hand. If swallowed, DO NOT induce vomiting. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice. If contact with eyes occurs, wash out immediately with 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 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.

EMERGENCY RESPONSE

In transport emergency call 111, Police or Fire Brigade. For 24hr specialist advice in an emergency only call **0800 CHEMICAL (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.

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

PASTURE GUARD BENTAZONE is a selective contact herbicide that must be applied in sufficient water to ensure that all parts of the target weeds are thoroughly covered. Immature weeds (2-4 leaves) are more readily controlled than more mature plants. PASTURE GUARD BENTAZONE is especially effective against chamomiles, stinking mayweed, cleavers, storksbill and Onehunga weed. Other broad leaved weeds controlled include redroot (Prince of Wales feather), chickweed, black nightshade, spurrey, shepherd's purse, thorn apple, and wild turnip. PASTURE GUARD BENTAZONE is not active in the soil, so weeds must have germinated before spraying (post emergence).

APPLICATION

Boom equipment: Use 300-500L of water per hectare. Use high water rates to ensure that all weed foliage is thoroughly covered. Low volume CDA applications are not recommended. Do NOT apply if rain or frost is expected, or if the foliage is wet.

MIXING

Add the required amount of PASTURE GUARD BENTAZONE to the partly filled spray tank with the agitation system running. Complete filling before adding any surfactant (if required), and maintain agitation throughout mixing and application.

RESISTANCE MANAGEMENT:

PASTURE GUARD BENTAZONE contains bentazone, a [GROUP C]HERBICIDE from the benzothiadiazinone chemical group with the inhibition of photosynthesis at photosystem II mode of action. To prevent or delay development of resistant biotypes, use PASTURE GUARD BENTAZONE 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.

ANIMAL SAFETY

Poisonous plants 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.

RAINFALL

Do not spray if rain is expected within 8 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.

Restraint: Do not apply if rain or frost is expected, or if the foliage is wet.

Crop	Timing	Rate	Critical comments
Cereals	After 4 true leaf	2L/ha in 170-500L of water per hectare	Apply in combination with the sodium salt formulation of MCPB (38.5% a.i.), dichlorprop or mecoprop, applied at label recommended rates. PASTURE GUARD BENTAZONE + MCPB may be applied to crops undersown with clover
Clover seed crops	In late winter/early spring. When weeds are small	2-3L/ha in a minimum of 500L of water per hectare	1. Use high water rates and large droplets to ensure penetration into growth crown of weeds 2. Add a non-ionic surfactant such as Widespread 1000 3. Parable 250, applied at least two weeks before PASTURE GUARD BENTAZONE treatment will improve results provided weeds are actively growing at the time of PASTURE GUARD BENTAZONE treatment 4. Spraying during warm weather gives best results
Dwarf beans	When crop has 1-2 trifoliolate leaves and weeds are at cotyledon to four leaf stage	1.5-3L/ha in 300-500L of water per hectare	Some transient leaf scorch may occur, but yield is unlikely to be affected. Do not apply to crops before 1 trifoliolate (true) leaf stage and avoid hot conditions (above 21°C). Use higher rates on more mature weeds. Add a non-ionic surfactant such as Widespread 1000 to enhance activity on thorn apple and hairy nightshade
Grass seed crops	When weeds are at a susceptible stage	2-3L/ha in a minimum of 500L of water per hectare	1. Ensure thorough coverage of weeds 2. Add a non-ionic surfactant such as Widespread 1000 3. Spraying during warm weather gives best results
Lucerne	During Autumn	1.5L/ha plus 2L of 2, 4-DB (40% a.i.) per ha. Or 4L/ha alone. Apply in 300-500L of water per hectare	For control of nodding thistle and storksbill
New pasture	When clover has 1-2 trifoliolate (true) leaves and weeds are at 4-6 leaf stage	3L/ha in 300-500L of water per hectare	PASTURE GUARD BENTAZONE may be applied with MCPB as a tank mix at label recommended rates
Onions	After onions have 3 leaves	2-3L/ha in 330-550L of water per hectare	Apply when weeds are still seedlings and onions are waxy and healthy. 1. Do not apply when soil is water logged 2. Do not add surfactants 3. Do not apply when onions are damaged by hail, frost, heavy rain, wind etc. 4. Do not apply other herbicides for 10 days before or after PASTURE GUARD BENTAZONE application
Pasture infested with giant buttercup	Weeds at rosette to just before flower stalk elongation. End of August to mid-September in most regions	750mL - 1L/ha in 250L of water. 1-5 days after PASTURE GUARD MCPA 750 treatment.	Remove grazing stock and allow pasture to freshen up (approx. 5-10 days). Apply Pasture Guard MCPA 750 at 4L/ha, then apply PASTURE GUARD BENTAZONE 1-5 days later. To allow full effect of treatment do not graze for 7-14 days. Retreatment in following seasons will be required to deplete seed bank in the soil. PASTURE GUARD BENTAZONE will control giant buttercup that is resistant to MCPA.
Peas	When crop has 1-2 trifoliolate (true) leaves and weeds are at a 4 leaf stage	2L/ha plus MCPB at 2.5L/ha. Apply in 300-500L of water per hectare	Suitable for use on under-sown pea crops.
Potatoes	When cleavers are visible and prior to crop emergence	2-3L/ha in 300-500L of water per hectare	
Soyabeans	When crop has 1-2 trifoliolate (true) leaves, and weeds are at the cotyledon to 4 leaf stage	2-3L/ha. Apply in 300-500L of water per hectare	Use a pre-plant incorporated herbicide to control grass weeds, such as Triflow 480. Some scorch of Soyabean foliage may occur but symptoms will disappear and yields will not be affected
Turf	October to early November	3L/ha in 300-500L of water per hectare. Or 30mL/100 m ² in 3-5L of water	A second spray in Autumn will reduce the problem for the following season.

Registered pursuant to the ACVM Act 1997, No.P9018. See www.foodsafety.govt.nz for registration conditions. Approved pursuant to the HSN0 Act 1996, Code: HSR100861. See 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.

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.

PHONE **0800 100 123**

 **AGRECOVERY**
www.agrecovery.co.nz