

ECOTOXIC


ravensdown

HERBICIDE

Basis

For use in wheat, barley
and oats to control
certain broadleaf weeds

ACTIVE INGREDIENT:

Contains 750g/kg chlorsulfuron in the
form of a water dispersible granule.



Registrant: Ravensdown Ltd

292 Main South Road
Hornby, Christchurch 8042
New Zealand

Phone: 03 353 4600

ravensdown.co.nz

BATCH:

D.O.M:

NET CONTENTS

1kg

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BASIS | READ LABEL CAREFULLY BEFORE USING

PEEL HERE

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

HAZARD CLASSIFICATION: 6.3B, 9.1A, 9.2A

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.

TOXICITY

Harmful - May cause mild skin irritation.

ECOTOXICITY

Very toxic to aquatic organisms. Avoid contamination of any water supply with chemical or empty container. **Do not allow spray drift over aquatic environments. 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.** Do not apply, drain or flush equipment on or near trees or other desirable plants, where their roots may extend or where the chemical may be washed or moved into contact with their roots. Do not use on areas such as lawns, walks, driveways, tennis courts as injury or loss of trees or other desirable plants may result.

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 100kg of Basis are subject to signage and secondary containment. More than 100kg require emergency response plans.

PERSONAL PROTECTION

Avoid contact with skin and eyes. Avoid inhalation of dust and spray mist. When handling wear protective clothing such as gloves, eye protection, overalls and boots. 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.

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.

Registered pursuant to the ACVM Act 1997, No P8022. See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, Code: HSR000231. 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.

PHONE 0800 100 123

 AGRECOVERY
www.agrecovery.co.nz

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 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. Sweep up solids without creating a dust and place in waste containers. Contain liquid spills and absorb with inert material such as soil or sand etc. 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.

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 BASIS from mixing and spraying equipment as follows:

1. Drain tank, then flush tank, booms and hoses with clean water for a minimum of 10 minutes.
2. Fill the tank with clean water and add 1L of chlorine bleach (containing 3% solution sodium hypochlorite) per 100L of water. Flush through booms with agitation then drain.
3. Repeat step 2.
4. Nozzles and filters should be removed and cleaned separately.
5. To remove traces of chlorine bleach, rinse tank thoroughly with clean water and flush through hoses and boom.

RESISTANCE MANAGEMENT

Basis is a **GROUP 2 HERBICIDE** from sulfonylurea chemical group with the inhibition of acetolactate synthase ALS mode of action. Naturally occurring weed biotypes resistant to chlorsulfuron and other sulfonylurea herbicides are known to exist. These become more prevalent after many years of continuous use of the product. Species with known resistant biotypes include chickweed. To prevent or delay development of resistant biotypes, use BASIS 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.

GENERAL DIRECTIONS

Before opening, carefully read warning statement, precautions instructions, first aid instructions and directions for use. BASIS works best when weeds are small and actively growing. Susceptible weeds will stop growing soon after treatment but symptoms may take 7-21 days to appear. BASIS works quicker under warm, moist growth and slower when cold, dry conditions follow application.

MIXING

Add the required quantity of BASIS to spray tank partly filled with water and maintain agitation through filling and spraying. Use BASIS spray mixtures within 24 hours of preparation, as product degradation may occur.

COMPATIBILITY

BASIS is compatible with most commonly used herbicides, insecticides and fungicides.

SURFACTANT

Always add a non-ionic surfactant such as Widespread 1000 at the label recommended rate unless using in tank mix with another product that contains a surfactant.

APPLICATION

Do not spray crops that are under stress from: drought, water saturated soil, disease or insect damage as crop damage may occur. Crop damage may also occur if these conditions occur after spraying. Do not apply to crops under-sown with Lucerne or white clover. Use a minimum of 60L of water per hectare in all methods of application. Crop injury may result from spray overlap. When starting, slowing or stopping shut off spray booms. Do not apply BASIS to the same area more than 3 times within three successive years. The efficacy of BASIS maybe impaired in highly alkaline water or water containing calcium salts. In this situation, the use of a pH buffering agent is recommended.

SOIL RESIDUES

In the event of a crop failure, do NOT replant any crop other than wheat or oats within 3 months of applying BASIS. Following harvest of the cereal crop and within 12 months of application, the paddock can be sown down into brassica, lucerne, pasture or peas.

RAINFALL

Do not spray if rain is expected within 1 hour of spraying.

WEEDS CONTROLLED

Calandrinia, california thistle*, chickweed, cornbind, dandelions, docks, fathen, hawksbeard, nodding thistle, rayless chamomile, redroot, scarlet pimpernel, scentless chamomile, scotch thistle, shepherds purse, spurrey, stinking mayweed, twin cress, vetch, white clover, willow weed, wild turnip, yellow gromwell. *Spray at the rosette stage (10 - 15 cm tall), thistles that emerge after spraying will not be controlled.

WEEDS PARTIALLY CONTROLLED

Cleavers, field pansy, speedwell, wireweed, yarrow.

RESISTANT WEEDS

Black nightshade, wild oats. To control resistant weeds, tank mix a herbicide that is registered for control of these species. Follow label recommendations for the tank mix partner when mixing.

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.

Crop	Rate/ha	Critical comments
Wheat, barley, oats	20g	Apply after the crop is at the 2 leaf stage but before the boot stage. Spray before the crop canopy closes to small actively growing weeds. Use a minimum of 60L/ha of water. A non-ionic surfactant must be added, use at label recommended rate.
	20g plus 0.5L Bromoxynil 400	Use for control of Black Nightshade. The addition of Bromoxynil 400 will also improve control of many other weeds.
	15g	To improve spectrum of weeds controlled, BASIS can be used at a reduced rate when tank mixed with ionxynil + bromoxynil, mecoprop-p, dichloroprop-p or diflufenican + isoproturon (not oats). Follow the label recommendations of the tank mix partner when mixing with BASIS.

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.

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