

Proper shipping name:
**ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S.**
(thifensulfuron-methyl 75%)



BACKUP

In a 24 hour emergency phone 0800 Chemcall (0800 243 622)

UN NUMBER
3077

PACKING GROUP
III

HAZCHEM
2Z

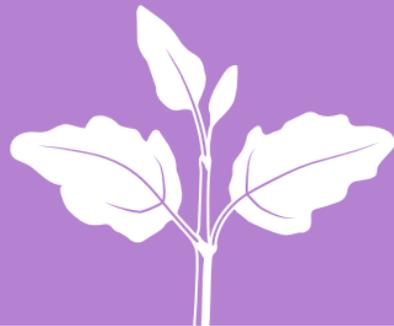
WARNING - ECOTOXIC

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HERBICIDE **GROUP 2**

Backup

A selective herbicide for use in conservation tillage and for the control of dock and buttercup in pasture, barley, oats and wheat



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

ravensdown.co.nz

ACTIVE INGREDIENT:

Contains 750g/kg thifensulfuron-methyl in the form of a water dispersible granule.

BATCH:

D.O.M:

NET CONTENTS
200g

PEEL HERE

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BACKUP^I 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.

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 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.

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 BACKUP 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 1 litre chlorine bleach (containing 3% solution sodium hypochlorite) per 100 litres 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

BACKUP contains thifensulfuron-methyl, a **GROUP 2 HERBICIDE** from the sulfonylurea chemical group with the inhibition of acetolactate synthase ALS mode of action. Naturally occurring weed biotypes resistant to sulfonylurea herbicides are known to exist. These become more prevalent after many

years of continuous use of the product. To prevent or delay development of resistant biotypes, use BACKUP 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

BACKUP is a sulfonylurea herbicide which is non-hormonal and non-volatile. BACKUP works best when applied to small, actively growing weeds during early spring. BACKUP is rapidly absorbed into the foliage of plants and is translocated within plants where it causes cell division to stop.

Susceptible weeds will stop growing soon after treatment but symptoms may take 2-3 weeks to appear. BACKUP works quicker under warm, moist conditions and slower under cold, dry conditions following application.

Do NOT apply to grass or clover seed crops or hay crops.

Do NOT apply to pasture or cereal crops that are stressed by weather conditions such as drought, frost, water saturated soils or insect damaged, otherwise crop damage may occur. Crop damage may also occur if these conditions occur after spraying.

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

MIXING

Add the required quantity of BACKUP to spray tank partly filled with water and maintain agitation through filling, spraying and before use after a stoppage. Ensure BACKUP is thoroughly mixed before adding any other pesticide to the spray tank. Use spray solution as soon as possible after mixing and do not allow to stand for an extended period, such as overnight.

COMPATIBILITY

BACKUP is compatible with Glyphosate and most commonly used cereal herbicides, insecticides and fungicides. In pasture BACKUP is compatible with Pasture Guard MCPB, MCPA and 2,4-D however a reduction of long term control of docks can occur when tank mixed with hormone type products such as Pasture Guard 2,4-D and MCPA.

APPLICATION

A range of 60-300L of water per ha is recommended when applied through a boom sprayer. Avoid overlapping and shut off spray booms when starting, slowing or stopping, otherwise crop injury may occur.

Knapsack application - mix 1g in 10L of water and apply to 500m².

RESISTANT WEEDS

Dandelions, plantain, ragwort and thistles.

WITHHOLDING PERIOD

DO NOT graze treated area for 7 days after application.

PLANTBACK PERIOD

DO NOT sow crops within 14 days of applying BACKUP.

RAINFALL

Rainfall within 4 hours of application may reduce the effectiveness of BACKUP.

Registered Pursuant to the ACVM Act 1997, No P8044.
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSNO Act 1996, Code: HSRO00236.
See www.epa.govt.nz for approval controls.

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.

Situation	Rate	Weeds controlled	Critical comments
Conservation Tillage: Brassica, cereals, Lucerne, maize, new pasture, peas, potatoes, squash	20g/ha	Buttercups and dock	Apply in combination with Glyphosate G360 and Glyphosate 540.
Cereals: Wheat, barley, oats	20g/ha	Annual buttercup, creeping buttercup, cornbind	Apply to small actively growing weeds after the crop is in the two leaf stage but before booting. For best results apply before crop canopy closes. Add a non-ionic surfactant such as Widespread.
Pasture (see note)	20g/ha	Annual and creeping buttercup	Apply in spring, 1-2 weeks after grazing, when the maximum number of weed seedlings and young plants are present.
		Dock	DO NOT spray after seed head emergence or immediately after grazing. Established docks with large root systems may require follow up treatment.
		Giant buttercup	Apply during spring. Follow up treatments may be necessary

NOTE: Transient damage may occur on some crops following an application of BACKUP. This is unlikely to affect crop yield however, trials have shown that perennial ryegrass may be reduced in growth. Yellowing and a reduction in the vigour of pasture species usually occurs following the application of BACKUP. Complete recovery, particularly of clovers, may take up to 4 months, depending on pasture vigour before spraying and growing conditions after.

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



AGRECOVERY

www.agrecovery.co.nz

PHONE 0800 100 123

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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HAZARD STATEMENTS

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 - Causes serious eye irritation, avoid contact with the skin and eyes.

ECOTOXICITY

Very toxic to aquatic life with long lasting effects. 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.** Do not apply or flush equipment onto or near desirable trees or plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.

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 BACKUP 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 waterproof 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.

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EQUIPMENT

Apply using well maintained and accurately calibrated equipment. Decontaminate spray equipment 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 wash skin and hair with running water. If skin irritation occurs: Get medical advice/attention. If in eyes, wash out immediately with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled, move patient to fresh air immediately. Begin artificial respiration if breathing has stopped.

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