

HARMFUL – KEEP OUT OF REACH OF CHILDREN. ECOTOXIC


ravensdown

HERBICIDE

GROUP 5

Replace[®]

For pre and post emergence
use in Red beet, Fodder beet,
Sugar beet and Mangolds

ACTIVE INGREDIENT:

Contains 700g/litre
METAMITRON in the form of a
suspension concentrate



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

Registered to:
Agri Solutions Ltd
Level 1, 26 Crummer Road,
Grey Lynn, Auckland 1021
BATCH:
D.O.M:

NET CONTENTS
10 Litres

ravensdown 

REPLACE[®] | 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, 9.1A, 9.2A, 9.3C

PERSONNEL QUALIFICATION & EXPERIENCE

This product must be under the control of an appropriate trained and experienced applicator during use. Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for a list of suitable qualifications.

TOXICITY

Warning - may be harmful if swallowed, inhaled or absorbed through the skin.

ECOTOXIC

Very toxic to aquatic organisms with long lasting effects. Harmful to terrestrial vertebrates. Avoid contamination of any water supply with product or empty container. For the protection of aquatic organisms a buffer zone (in all directions) of greater than 4 meters must be observed from water bodies. This product must not be applied into or onto water.

Warning: Selective herbicide - very toxic to some plant species. Apply this product carefully. Spray drift may cause serious damage to other desirable plants.

HANDLING PRECAUTIONS

STORAGE

Store in original container tightly closed and in a locked, dry, cool area away from human and animal foodstuffs, seeds and fertilisers. Store in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100L are subject to secondary containment and signage and more than 100 litres require emergency response plans.

PERSONAL PROTECTION

Avoid breathing mist or spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. When mixing, applying or conducting spill control wear eye protection, respiratory protection, chemical resistant gloves, boots and overalls. Remove protective clothing and wash hands and face thoroughly before meals and after work.

RECORD KEEPING

Where 3kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for details of information that must be recorded.

EQUIPMENT

Apply with well-maintained and calibrated equipment. Flush spray equipment thoroughly with clean water after use.

DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise, crush and bury in a suitable landfill. DO NOT reuse this container for any other purpose.

FIRST AID

If swallowed: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. National Poisons Centre 0800 POISON (0800 764 766). 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: Remove to fresh air and keep at rest in a position comfortable for breathing. If medical advice is needed, have product container or label at hand.

SPILLAGE

Wear appropriate protective clothing and prevent material from entering waterways. Contain liquid spills and absorb with inert material. Dispose of waste safely in an approved landfill.

TRANSPORT

Do not carry this product on a passenger service vehicle.

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 or go to www.ravensdown.co.nz/products/agrochemicals.

GENERAL INFORMATION

Replace can be applied pre or post emergence in beet crops. It is a selective, systemic herbicide which has both pre and post-emergence activity against weeds. It is absorbed by both leaves and roots and translocated into the leaves where it disrupts photosynthesis. Application is limited to ground based low boom application using coarse to medium sized droplets. Smaller sized droplets or other application methods are not permitted.

The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in the substance leaching into ground water. Do not apply when heavy rainfall is expected.

For the protection of non-target plants a 15 metre buffer zone from downwind non-target vegetation is recommended. Where threatened non-target plants are present in areas adjacent to the application area, extra care should be taken not to impact these plants. Local conditions may require the user to take into account site specific conditions on the day of application and amend the size of the buffer zone as necessary.

RESISTANCE MANAGEMENT

REPLACE contains a **GROUP 2 HERBICIDE** belonging to the triazinones group of chemistry, with the inhibition of photosynthesis at photosystem II mode of action. Naturally occurring biotypes resistant to triazinones may exist and become more prevalent after many years of continuous use. To minimise this risk use strictly in accordance with label instructions and resistance management strategies (if any) at www.resistance.nzpps.org/.

MIXING

Shake container thoroughly before use. Half fill the spray tank and commence agitation. Add the measured quantity of Replace and with the agitator running top up with the remainder of the water. Maintain agitation during spraying. Do not allow the spray mixture to stand overnight. Replace is compatible with most other post-emergent beet herbicides.

DIRECTIONS FOR USE

A maximum rate of 6.0L/ha Replace (4.2 kg metamitron/ha) may be applied and a maximum of 3 applications per year

Crop	Use Rate	Critical comments
Beet: Red Fodder Sugar Mangolds	Pre-emergence Apply 1.0 - 4.0L/ha in 200 - 300L water/ha. May be tank mixed with FUMATE herbicide 2.0-3.0 L/ha to improve weed spectrum controlled. Post Emergence 6.0L/ha in 200 - 300L water/ha	Pre-emergence Apply post sowing but before crop emergence. Use 200-300L water/ha. Post Emergence Apply early post emergence when weeds are small and the crops has fully expanded cotyledons but before the second true leaf stage.

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.

RE-ENTRY:

If re-entry work is required within 24 hours of application, personal protective equipment must be worn. Public access must not occur during this period.

SUSCEPTIBLE:

Amaranthus spp., Buttercups (seedling), Chickweed, Docks (seedling), Fathen, Galinsoga, Groundsel, Hawksbeard, Henbit, Matricaria spp. (Stinking mayweed and Chamomiles), Nettles, Pennycress, Annual poa, Wild portulaca, Scotch thistle (seedling), Shepherd's purse, Sow thistle, Speedwells, Spurrey, Twin cress, White clover, Yarrow (seedling).

MODERATELY SUSCEPTIBLE:

Field pansy, Fumitory, Hedge mustard, Black nightshade, Scarlet pimpernel, Thorn apple, Wireweed.

NON-SUSCEPTIBLE:

Californian thistle, Cleavers, Cornbind, Wild oats and most grasses

RESISTANT WEEDS WARNING

Naturally occurring biotypes resistant to triazinones can become more prevalent after many years of continuous use. To delay the onset of, or control resistant weeds, use in rotation with herbicides having a different mode of action against the weed. Since the occurrence of resistant weeds is difficult to detect prior to use Agrisource Limited accepts no liability for losses that may result from the failure of this product to control resistant weeds.

Registered pursuant to the ACVM Act 1997 P9779.

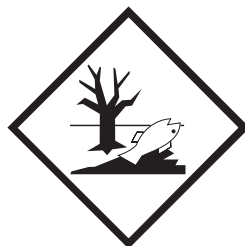
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSN Act 1996, Code: HSR101345. See www.epa.govt.nz for approval conditions.

* is a registered trademark of Agri Solutions Ltd.

CONDITIONS OF SUPPLY

All goods supplied by us are produced under rigid quality control procedures that assure the purchaser that at the time of sale they are physically suitable for use in the manner stated. However as we cannot exercise control over matters such as mixing, use, climatic conditions, time of application, crop or crop stage, and the possible development of resistance to the active ingredient, we cannot guarantee any application results. No liability will be accepted for any damage injury or loss which arises from the storage, handling, application or use of the goods.



PHONE **0800 100 123**

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

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