

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

  
**ravensdown**

**HERBICIDE**

**GROUP 5**

# Simaflo

A selective pre emergent residual herbicide for weed control in lucerne, orchards, vineyards, forestry and some horticultural crops

**ACTIVE INGREDIENT:**

Contains 500g/litre simazine in the form of a suspension concentrate.



**Registrant: Ravensdown Ltd**

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BATCH:

D.O.M:

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

ravensdown

# SIMAFLO | 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: 6.3A, 6.4A, 6.9B, 9.1A, 9.2A

**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** - May cause skin and eye irritation. May cause 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.

## 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 SIMAFLO are subject to signage and secondary containment. More than 100L require emergency response plans.

### PERSONAL PROTECTION

Avoid contact with skin, eyes and do not inhale spray mist. When mixing and applying wear protective clothing such as waterproof 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.

### 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. If skin irritation occurs: Get medical advice. If splashed in eyes, wash out immediately with water. 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 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

SIMAFLO has little or no effect on existing vegetation. SIMAFLO is absorbed only through the roots of plants as they germinate. For the best results apply to moist soil. Do not use on dry soil unless rain or irrigation immediately follows. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

## APPLICATION

Apply at 200-300L of water per hectare using conventional spray equipment. Maintain agitation during application. After application clean equipment thoroughly using water and flushing several times.

## RESIDUAL

For the best residual results, ensure the soil surface is moist and clod free.

## MIXING

Half fill the spray tank with water, then add the SIMAFLO with constant agitation. When mixing with other chemicals, add the SIMAFLO first. When using with a surfactant, add the surfactant last.

## COMPATIBILITY

SIMAFLO is compatible with Glyphosate 360, Amitrole, MCPA, and Parable 250. Check respective labels before using.

## 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 SIMAFLO 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 125g 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.

## SOIL RESIDUES

Residue of SIMAFLO can adversely affect crops such as brassica's, beetroot, beans, cucurbits, lettuce and tomatoes. DO NOT plant susceptible crops unless the area treated has been ploughed and thoroughly cross cultivated.

## RAINFALL

SIMAFLO is absorbed by the roots of germinating weeds, rain or irrigation is needed to move the chemical into the soil.

## RESISTANCE MANAGEMENT:

SIMAFLO contains simazine, a **GROUP B HERBICIDE** from the triazine chemical group with the inhibition of photosynthesis at photosystem II mode of action. Naturally occurring weed biotypes resistant to simazine and other triazine herbicides are known to exist. These become more prevalent after many years of continuous use of the product. Species with known resistant biotypes include fathen and willow weed. To prevent or delay development of resistant biotypes, use SIMAFLO 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 - Horticultural crops

**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	Critical comments
Broad beans	2L/ha	Do not apply to small seeded varieties such as Coles Early Dwarf growing on light soil.
Strawberries	3L/ha	Apply between rows prior to weed emergence. If the crop is not planted through black polythene, check plant tolerance prior to spraying.
Asparagus	4L/ha	Apply to cultivated soil prior to spear emergence. Do not apply during the cutting season.
Berry fruit	4L/ha	Apply during the dormant period only.
Citrus, grapes and pip fruit	4L/ha	Apply around established trees and vines only.

## ESTABLISHED LUCERNE

For the control of seedling barley grass, chickweed, daisies, storksbill and other broadleaf and grass weeds.

**RATE:** Apply 1.5-2L of SIMAFLO combined with 1.6-2.4L of Parable 250 in 200-300 litres of water per hectare. Spray when the lucerne is dormant. Lucerne should be closely grazed and plants should have developed a crown. Do not apply to excessively wet soils or plants under stress from frosts. Ensure that the target weeds are not affected by grazing stress at the time of application.

## FORESTRY - RADIATA PINE

For the control of grass weeds.

**RATE:** Apply 6.5L of SIMAFLO combined with a suitable knockdown herbicide such as Parable 250 or Glyphosate 360 in 300-400L of water per hectare. Apply as a 1m strip along the proposed planting lines. Delay planting for 4-5 days after spraying so that the planting lines are clearly visible. For the best results, grasses should be grazed prior to chemical application.

## BARLEY GRASS

For the control of barley grass around farm buildings, yards and fencelines.

**RATE:** Apply 160ml of SIMAFLO with 240ml of Parable 250 in 100L of water. Apply as a spot treatment when the barley grass is in the green seed head stage.

## INDUSTRIAL AREAS

For control of annual grasses and broadleaf weeds.

**RATE:** Apply 17L of SIMAFLO per hectare. The addition of Glyphosate 360 is recommended for controlling emerged vegetation.

## 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.P7133. See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions. Approved pursuant to the HSN0 Act 1996, Code: HSR000466. 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)