



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

# GROGARD®

## HERBICIDE

A selective herbicide for the control of broadleaf and grass weeds in forestry, lucerne, maize, sweetcorn, peas, certain orchard crops and non-crop situations.

ACTIVE INGREDIENT: Contains 900 g/kg terbuthylazine in the form of a water dispersible granule (VVG).

GSGG002/LF02



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GROGARD®  
NET CONTENTS: 10 kg





## HAZARD CLASSIFICATIONS:

Acute oral toxicity Category 4; Acute inhalation toxicity Category 4; Hazardous to the aquatic environment acute Category 1; Hazardous to the aquatic environment chronic Category 1. Hazardous to soil organisms. Hazardous to terrestrial vertebrates.

### TOXICITY

**WARNING:** Harmful if swallowed or inhaled.

**ECOTOXICITY:** Very toxic to aquatic life and with long lasting effects.

Hazardous to soil organisms. Hazardous to terrestrial vertebrates.

Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not allow drift to occur outside the target area. Do not apply directly into or onto water.

**QUALIFICATIONS:** A person mixing, loading, or applying this substance must be a suitably qualified person or under the guidance of a suitably qualified person.

**RECORD-KEEPING:** Records of use as described in NZS 8409 Management of Agrichemicals must be kept if 3kg or more of GROGARD® is applied within a 24 hour period and is likely to enter air or water and leave the application area.

**PERSONAL PROTECTION:** When mixing or applying wear overalls, impervious gloves and eye/ face protection. Avoid contact with or inhalation of spray mist. Wash hands and exposed skin before rest breaks, meals and after work. Clean protective clothing and equipment before re-use.

**STORAGE:** Store in original container tightly closed and in a secure, dry, cool, well-ventilated area, away from foodstuffs. Storage must be in accordance with the current version of the New Zealand Standard for the Management of Agrichemicals (NZS8409). Stores containing more than 100 kg require signage, secondary containment and an emergency response plan.

**SPILLS AND DISPOSAL:** When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Contain and collect spilled product and store in properly labelled, sealed drums for safe disposal. If spray mixture is spilled absorb and collect in drums as above. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

**DISPOSAL:** Avoid contamination of any water supply with product or empty container.

**PRODUCT DISPOSAL:** If possible dispose of by using according to the label, otherwise dispose of to a chemical recovery service or in an approved landfill.

**CONTAINER DISPOSAL:** Ensure packaging is empty. Recycle empty packaging through Agrecovery ([www.agrecovery.co.nz](http://www.agrecovery.co.nz)) or otherwise dispose of at a suitable land fill.

Crush empty packaging and bury in a suitable landfill.

**SAFETY DATA SHEET:** A safety data sheet is available from Grosafe Chemicals Ltd.

**FIRST AID:** For advice call the National Poison Centre, telephone 0800 POISON [0800 764 766] for advice. Have label or Safety Data Sheet at hand.

**IF SWALLOWED:** Rinse mouth with water. Call a POISONS CENTRE or doctor if you feel unwell. **IF ON SKIN:** Wash skin with plenty of soap and water. If skin irritation develops, get medical advice. **IF IN EYES:** Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice. **IF INHALED:** Remove person to fresh air and keep at rest in a position comfortable for breathing. Call the NATIONAL POISONS CENTRE or doctor if you feel unwell.

**EMERGENCY RESPONSE: 0800 CHEMCALL (0800 243 622)**

### GENERAL INFORMATION:

**GROGARD®** controls a wide range of weeds. The weed spectrum includes: barley grass, black nightshade, browntop, cats ear, chickweed, clovers, cocksfoot, dove's foot, fat hen, Kentucky bluegrass, lotus, nodding thistle, Poa spp, redroot, Scotch thistle, seeding gorse, shepherd's purse, storks bill, sweet vernal, willow weed, Yorkshire fog, plus many other annual grasses and broadleaf weeds. It does not control deep rooted perennial grasses such as paspalum, kikuyu and Indian doab.

**GROGARD®** is absorbed through the roots and leaves, with signs of activity taking 1-3 weeks to become apparent. Rainfall within three hours of spraying will reduce the efficacy of a post-emergence application. For both pre and post-emergence treatments, rainfall or irrigation within one week of spraying is necessary to optimise residual control. For pre-emergence use, **GROGARD®** should be applied to a clean soil surface with a firm fine tilth and good soil moisture.

### 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	NOTES
Lucerne (Established)	830g-1.1kg/ha in 200-300 litres of water/ha	Stands must be at least 2 years old. Use in a mix with 2-3 litres of paraquat 20% a.i. Lucerne must be completely dormant and closely grazed. Apply preferably in mid-winter. Use the higher rate for clovers or where longer residual control is required. Do not exceed the higher dosage rate as yield may be affected.
Orchards: - Pip fruit - Citrus - Grapes - Kiwifruit	3.3-4.4 kg/ha in 200-300 litres of water/ha	Do not apply to trees/vines less than one year old or plants growing in light sandy loam soils. Pre-emergence: Apply in spring to weed-free soil. Post-emergence: To control established weeds tank mix with glyphosate at recommended label rates.
Maize and Sweetcorn	1.7-2.0 kg/ha in 200-300 litres of water/ha	Pre-emergence: Addition of a suitable herbicide is needed to control grass weeds. Apply to a freshly worked seedbed after the crop has been sown but before the seedlings have emerged.
	1.7 kg/ha in 200-300 litres of water/ha	Post-emergence: Apply to actively growing weeds no larger than 5cm high. Add a non-ionic surfactant at the recommended label rate. NOTE: where weeds such as fat hen are resistant to triazine herbicides an appropriate post-emergence herbicide such as DICAMBA is required for control.
Peas	830g-1.1 kg /ha in 200-300 litres of water/ha	Use the higher rate for dry conditions. Apply to a freshly worked seedbed after the crop has been sown but before seedlings have emerged. Do not use on light sandy soils or on soils which are low in organic matter.

CROP	RATE	NOTES
Industrial Weed Control	8.3-11 kg/ha	For long term residual weed control in non-crop areas such as roadsides, footpaths, pipelines, industrial storage and waste sites and around farm buildings. Add glyphosate at recommended label rates for the knockdown of existing vegetation and to control deep-rooted perennial weeds.

**WITHHOLDING PERIOD:** Lucerne – 28 days

**FORESTRY:** Radiata pine, Douglas fir, Eucalyptus species (E. delegatensis, fastigata, and saligna) **GROGARD®** may be applied either pre-planting or as a release treatment over newly planted bare rooted trees.

For optimum results, apply **GROGARD®** to bare ground or when the weed population is less than 10cm high before rapid spring growth occurs.

**NOTE:** Where grass weeds predominate, especially the more difficult to kill perennial grasses, it is recommended that **GROGARD®** be tank-mixed with an approved selective grass killer such as Clethodim 240g/litre at recommended label rates.

**Broadcast Treatment:** Apply 8.3-11.0kg **GROGARD®** in 150-300litres of water/ha (refer application table for more detail).

**Spot Treatment:** Carefully calibrate equipment to apply 0.83-1.1g **GROGARD®** per square metre in sufficient water to obtain good coverage. Treat approximately two square metres around each tree (refer to the application table for suggested dilution rates).

### Forestry Use:

PRODUCT	RATE	RATE	NOTES
	Broadcast Treatment Rate/ha applied in 150-300 litres of water/ha	Spot Treatment Rate/litre applied at 20ml spray solution per sq. metre	
<b>GROGARD®</b>	8.3-11.0kg	42-55g	General broadleaf and grass weed control, where existing vegetation is below 10cm in height. Add a non-ionic surfactant at the recommended label rate.
<b>GROGARD®</b>	8.3-11.0kg	42-55g	For improved knockdown where grass weeds predominate and exceed 10cm in height.
+ Clethodim 240	1 litre	3.5ml	
+ Emulsifiable crop mineral oil (adjuvant)	1 litre/100 litres water	10ml	
<b>NOTE:</b> Use the higher rate of <b>GROGARD®</b> to control gorse seedlings			

### Resistance management:

**GROUP 5 HERBICIDE**

**GROGARD®** contains the **GROUP 5** triazine herbicide, terbutylazine. Naturally occurring weed biotypes resistant to terbutylazine and other triazines are known to exist. Unless directed, do not use another product containing herbicides in the same groups in conjunction with **GROGARD®**. Where possible alternate the types of herbicides used within any one paddock over time. Herbicides from different groups should either be used alternately or mixed together to prevent the numbers of resistant individuals building up.

Registered pursuant to the ACVM Act 1997, No P9681.  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to HSNO Act 1996, Approval Code: HSR000388.  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

**WARRANTY:** This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

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Batch No:

Date of Manufacture:

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