



**WARNING**  
**KEEP OUT OF REACH OF CHILDREN**  
**READ LABEL BEFORE USE**



# **GROGARD<sup>®</sup>**

## **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.

**NET CONTENTS: 10 KG**



**HAZARD CLASSIFICATIONS:  
6.1D, 9.1A, 9.2A, 9.3C**

**WARNING:** Harmful if swallowed, inhaled or absorbed through the skin.  
**ECOTOXIC:** Very toxic to fish with long lasting effects. Very toxic to the soil environment. Harmful to terrestrial vertebrates. SELECTIVE HERBICIDE—VERY TOXIC TO SOME PLANT SPECIES.

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

**APPROVED HANDLER:** This product must be under the control of an appropriately trained handler when it is applied in a wide dispersive manner or used by a commercial contractor. Records of use as described in NZS 8409 Management of Agrichemicals must be kept if more than 3 kg of GROGARD is applied within a 24 hour period.

**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 after work.

**STORAGE:** Store in original container tightly closed and in a secure, dry, cool, well ventilated area, away from foodstuffs.

**SPILLS AND DISPOSAL:** When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Contain 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.

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

**CONTAINER DISPOSAL:** Triple rinse container and add residue to mixture. If circumstances, especially wind direction, permit the empty containers may be burned, otherwise bury in a suitable land fill.

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

**FIRST AID:** For advice call a doctor or the National Poisons Centre (0800 764 766). Have product container or label at hand.

If swallowed, rinse mouth, give a glass or two of water but do NOT induce vomiting. Get medical advice if person feels unwell. If in eyes, immediately flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention. If on skin, remove contaminated clothing immediately. Wash skin immediately with plenty of soap and water. In case of inhalation of spray remove to fresh air. Get medical attention if patient is in distress.

**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	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
GROGARD	8.3-11.0kg	42-55g
GROGARD + Clethodim 240 + Emulsifiable crop mineral oil (adjuvant)	8.3-11.0kg 1 litre 1 litre/100 litres water	42-55g 3.5ml 10ml

NOTE: Use the higher rate of GROGARD to control gorse seedlings

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.

Registered to and Distributed by:



20 JEAN BATTEN DRIVE  
MT MAUNGANUI  
FREE PHONE 0800 220 002  
info@grosafe.co.nz  
www.grosafe.co.nz

**BATCH No:**

**DATE OF MANUFACTURE:**



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