



**DANGER**

Keep out of reach of children  
READ LABEL BEFORE USE



# INTREPID™

## HERBICIDE

A selective post-emergent herbicide for grass  
weed control in broadleaf crops and forestry.

**ACTIVE INGREDIENT:** Contains 360g/L clethodim in the form of  
an emulsifiable concentrate. Also contains 582 g/L dearomatised  
hydrocarbon solvent and 17.5 g/L calcium dodecylbenzene sulphonate.

GSIN74F01



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INTREPID™  
NET CONTENTS: 5 Litres

**Grosafe®**

# INTREPID™

## HAZARD CLASSIFICATIONS:

Flammable liquid Category 4, Aspiration hazard Category 1, Skin Irritation Category 2, Eye Irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment chronic Category 3.



**TOXICITY:** May be fatal if swallowed and if aspirated into lungs. May cause skin and serious eye irritation. May cause liver damage from repeated oral exposure at high doses. **ECOTOXIC:** Harmful to aquatic plants. Avoid contamination of any water supply with product or empty container. Very toxic to some plant species. Do not allow drift to occur outside target area. Harmful to soil organisms and to terrestrial vertebrates. **FLAMMABILITY:** Combustible liquid; keep away from naked flame. No smoking. **QUALIFIED HANDLER:** This product must be under the control of a qualified handler during use. INTREPID must not be applied into or onto water. INTREPID must be applied via ground-based method only.

**RECORD KEEPING:** A written record of use of each application must be kept according to HSN0 Regulations and N.Z. Standard for the Management of Agrichemicals (NZS 8409) when 3 kg or more is applied within 24 hours, in places where the product is likely to enter air or water and leave the application area.

**TRANSPORT:** Do not carry more than 1L of INTREPID on a passenger service vehicle. **PERSONAL PROTECTION:** Avoid skin and eye contact and inhalation of spray mist. When mixing or applying wear eye protection, chemically resistant gloves, boots and overalls. Remove protective clothing and wash hands and face thoroughly before meals and after work. **STORAGE:** Keep out of reach of children. Do not store near heat or flame. Store in original container tightly closed and in a locked, dry, cool area away from sources of ignition and foodstuffs. Store in accordance with NZS 8409. Manufacturers' Stores containing 100L are subject to signage, 1000L or more of INTREPID require secondary containment and emergency response plans. Stores containing 500L of INTREPID must have at least two fire extinguishers.

**SPILLS:** When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Extinguish all ignition sources, exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Contain spilled product with inert material and store in properly labelled, sealed drums for safe disposal. If spray mixture is spilled, absorb and collect in drums as above. Deal with any spillage immediately. Wear eye protection and absorb with further inert material. 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. Avoid contamination of any water supply with product or empty container.

**CONTAINER DISPOSAL:** Triple rinse empty container and add rinsate to the spray tank. Recycle container via Agreeco ([www.agreeco.govt.nz](http://www.agreeco.govt.nz)) or at an approved landfill. **SAFETY DATA SHEET:** A safety data sheet is available from GrosseFuchs Chemicals Ltd.

**FIRST AID:** For advice contact the National Poisons Centre 0800 POISON (0800 764 766) (24hrs) or a doctor. IF SWALLOWED do not induce vomiting. Get immediate medical advice. IF IN EYES, wash out immediately with running water for several minutes. IF ON SKIN OR HAIR, remove contaminated clothing and wash with soap and running water. If you experience irritation, get medical attention. IF INHALED, move to fresh air, rest and maintain high upright position if breathing is difficult. Call the National Poisons Centre 0800 POISON (0800 764 766) (24hrs) or a doctor immediately for advice.

**EMERGENCY RESPONSE 0800 CHEMICAL: 0800 243 622**

## MIXING

Half fill the spray tank and with the agitator operating, add the correct volume of INTREPID. Add the remainder of the water then add the adjuvant and agitate thoroughly before use. After standing, agitate spray solution well before reusing.

## COMPATIBILITY

INTREPID is compatible with GroGuard® or Diablon® other terbutylazine and dymalid derivatives. Do not apply in combination with other herbicides unless experience shows that efficacy is not affected. Do not apply within 7 days of phenoxy herbicides.

## EQUIPMENT

Apply using well maintained spray equipment that is accurately calibrated to apply 100-400L of water per hectare. Use nozzles and pressures that produce a droplet size of 150-300 microns VMD. Use the high water rate for dense grass infestations. Clean equipment thoroughly after use.

## RESISTANCE MANAGEMENT

**GROUP 1 HERBICIDE**

INTREPID contains a herbicide from the cyclohexanedione group and has the inhibition of acetyl CoA carboxylase mode of action. Some naturally-occurring weed biotypes resistant to INTREPID and other Group 1 Herbicides may exist through normal genetic variation in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by INTREPID or other Group 1 Herbicides. To minimise this risk, use strictly in accordance with label instructions and resistance management strategies at [www.resistance.nzpsps.org/](http://www.resistance.nzpsps.org/)

## DIRECTIONS OF USE

For best results apply to young actively growing grass weeds. Do not apply to plants under stress from drought or waterlogging. Use the lower rate on seedling grass weeds (2-5 leaf) or actively regenerating rhizomes, and the higher rate on tillering plants or hardy rhizomatous grasses. On established sod-bound rhizomatous grasses and established turf ryegrass in non-cultivated crops, suppression only may be obtained. On crops which have been grazed, remove stock and allow grasses to freshen up for a few days (5-10cm new growth) before treating. To minimise any possible crop damage, avoid spray overlaps. INTREPID is considered to be rainfast if applied at least one hour before rainfall. **Always add an emulsifiable crop mineral oil such as EnSpray99® at 2.0L/ha with all applications.**

CROP	CRITICAL COMMENT
White clover seed	Apply after closing up, to control annual and perennial ryegrass and other grass weeds.
Legume feeds (e.g. lucerne, lupins, clover, lotus, trefoil)	To control annual and perennial ryegrass and other grass weeds.
Fodder brassicas	Apply when grass seedlings are small (typically 3-6 weeks after planting) and well before canopy closure.
Forage herbs (e.g. plantain, chicory)	To control annual and perennial ryegrass and other grass weeds. Do not apply INTREPID to plantain seed crops after flower heads are first visible in the base of the plants.
Orchards	To control actively growing grass weeds. Apply as a directed spray to the base of the trees to avoid fruit contact.
Vegetables	To control actively growing grass weeds. Do not apply more than 670ml/ha. Crop safety has been demonstrated on onions, carrots and lettuce. Where crop safety is unknown, a small area should be treated before widespread application. NB: Asparagus – do not apply during the cutting period.
Peas, lentils, oilseed rape	To control wild oats. Apply 170ml/ha when the majority of oats are in the 2-5 leaf growth stage. A temporary effect on leaf colour and sheen may occur in peas. This does not affect crop vigour or yield.
Forestry (Radiata pine, Macrocarpa, Douglas fir)	Do not exceed 670ml/ha. Tree release – Spot treatment: Use 23ml INTREPID plus 100ml EnSpray99® per 10L of water. Apply 20ml spray solution per square metre. To control broadleaf weeds and for residual control, apply in combination with GroGuard® at recommended label rates.

## GRASSES CONTROLLED AND RECOMMENDED USE RATES

Grass Species	Rates / ha
Wild oats, annual and perennial ryegrass, cocksfoot, banyard grass, summergrass, floating sweet grass, canary grass, bristle grass, volunteer cereals. Note: Turf ryegrasses and tillered cereals will only be suppressed at these rates.	170 - 330ml
Annual poa, smooth widgegrass, soft brome, phalaris, tall fescue, prairie grass, rigputt or broom brome, broomtop barley grass. Note: Chewings fescue, Yorkshire fog and hairgrass will be suppressed but not controlled at these rates.	330 - 670ml
Couch, paspalum, Indian doab	1.3 - 2.0L

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Note: Maximum Residues Limits for Agricultural Compounds.

## WITHHOLDING PERIOD:

Vegetable crops - 5 weeks.  
Legume crops, forage herbs and fodder brassica crops - 3 weeks.

Registered pursuant to the ACVM Act, 1997, No. P110165 See [www.foodsafetynz.govt.nz](http://www.foodsafetynz.govt.nz) for registration conditions.

Approved under the HSN0 Act 1996, HSR1100921 See [www.epa.govt.nz](http://www.epa.govt.nz) for controls.

**WARRANTY** This formulation is warranted to contain the specified active ingredient within an 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 and distributed by:

GrosseFuchs Chemicals Ltd  
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Mt Maunganui 3116  
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Tel: 0800 220 220  
Email: [info@grossefuchs.co.nz](mailto:info@grossefuchs.co.nz)  
[www.grossefuchs.co.nz](http://www.grossefuchs.co.nz)

Batch No:

Date of Manufacture:

**GrosseFuchs**  
GROUP

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