

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



# LEOPARD<sup>®</sup> HERBICIDE

GROUP	<b>A</b>	HERBICIDE
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**For the post-emergence control of most annual and perennial grasses in broadleaf crops as shown under directions for use**

**READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING**

**Active Ingredient:**

Contains 100 g/L QUIZALOFOP-P-ETHYL in the form of an emulsifiable concentrate, also contains 812 g/L HYDROCARBON LIQUIDS

ADAMA New Zealand Limited  
Level 1, 93 Bolt Road,  
Tahunanui  
Nelson 7011 New Zealand  
PO Box 1799  
Nelson 7040 New Zealand Telephone  
03 543 8275  
[www.adama.com](http://www.adama.com)

NET CONTENTS

1 L, 5 L,  
10 L

**REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.****HAZARD CLASSIFICATIONS: 6.1D, 6.3A, 6.9B, 9.1B****PCBU RESPONSIBILITIES**

A PCBU with management or control of work using this substance must ensure that every worker who uses, handles, manufactures, or stores this hazardous substance (including hazardous waste) is, before the worker is allowed to carry out or supervise work involving those substances, provided with adequate information, training and instruction. This includes the use of personal protective equipment to be used to minimise risks to the health and safety of workers when carrying out work using this substance.

**WARNING**

**May be harmful if swallowed or inhaled.**

**Causes skin irritation.**

**May cause damage to organs through prolonged or repeated exposure.**

**Toxic to aquatic life with long lasting effects.**

**HANDLING PRECAUTIONS**

Keep out of reach of children.

Do not eat, drink or smoke while using.

Wash exposed skin thoroughly after handling.

Do not breathe spray mist or vapours.

Use only outdoors or in a well-ventilated area.

**EQUIPMENT**

A PCBU with management or control of work using this substance must ensure that equipment used to handle this substance retains the substance, without leakage, at all of the temperatures and pressures at which the equipment is to be used; and dispenses or applies the substance, without leakage, at a rate and in a manner that the equipment is designed for. The PCBU must ensure that the equipment is accompanied by documentation that is readily available and readily understandable about the use and maintenance of the equipment.

**STORAGE**

Store in the original, tightly closed container in a cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs.

Store in accordance with NZS 8409 Management of Agrichemicals. Secondary containment and emergency response plans are required where 1000 L or more of this product are stored. Refer to the product SDS for further information.

**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.

**PERSONAL PROTECTION**

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, eye protection, impervious, elbow-length gloves and boots. Wash hands, arms and face with soap and water before meals and after work. Wash protective clothing after use.

**SPILLAGE**

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the personal protection section of this label to clean up spills. Absorb liquid spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

**DISPOSAL**

**Container Disposal** - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

**Product Disposal** - Dispose of this product only by using according to the label, or through the Agrecovery® Chemical Recovery service or other approved facility.

**FIRST AID**

**If medical advice is needed, have product container or label at hand.**

**For advice or if you feel unwell, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.**

**IF SWALLOWED:** Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.

**IF ON SKIN:** Wash with plenty of soap and water. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash before reuse.

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.

### CONDITIONS OF SALE

ADAMA New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of ADAMA New Zealand Limited is limited to the replacement of the goods or (at the option of ADAMA New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to ADAMA New Zealand Limited within thirty days of delivery.



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#### **EMERGENCY RESPONSE**

(All hours)  
Ring from anywhere in New Zealand  
**0800 734 607**

In a Transport  
Emergency  
Phone 111  
Police or Fire

Batch Number:  
Date of manufacture:

*Bar code to be inserted*

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## SAFETY DATA SHEET

A Safety Data Sheet for this product is available from ADAMA New Zealand Limited on request. Call 03 543 8275.

## PRODUCT INFORMATION

LEOPARD HERBICIDE moves rapidly throughout all parts of the plant. Growth ceases almost immediately, but symptoms of effect are slow to appear, with death taking up to 3-4 weeks to complete.

LEOPARD HERBICIDE has a short residual life in the soil to control grass weeds germinating in the 2 -3 week period following treatment.

## WEEDS CONTROLLED

SPECIES	DOSE RATE (L/ha)			CRITICAL COMMENTS
	Seedling (up to 4 leaves)	Vegetative	Mature (seed head)	
Barnyard grass	0.5 L	0.75 L	-	Always add a non-ionic wetting agent at label rates.
Bristle grass				
Couch (twitch)	1 L	1 L		
Crowfoot grass	0.5 L	0.5 L	0.5 L	
Indian doab	0.75 L	1 L	1.5 L	
Onion twitch	1 L		-	
Pampas grass	5 L plus 1% crop oil	5 L plus 1% crop oil		
Prairie grass	0.6 L	0.6 L	1 L	
Ryegrasses	0.9 L	0.9 L		
Smooth witchgrass	0.25 L	0.5 L	-	
Summer grass				
Volunteer cereals	0.5 L			
Wild oats	0.4 L	0.4 L		

LEOPARD HERBICIDE will NOT control broadleaf weeds, soft brome or annual Poa.

## DIRECTIONS FOR USE

**TAKE ALL REASONABLE STEPS TO ENSURE THAT THE SUBSTANCE DOES NOT CAUSE ANY SIGNIFICANT ADVERSE EFFECTS TO THE ENVIRONMENT BEYOND THE APPLICATION AREA.**

**Do not apply onto or into water.**

For optimum results apply during good growth conditions and when there is adequate soil

moisture. Apply to annual grasses as seedlings and perennial grasses at the 4-5 leaf stage. Application during prolonged dry periods or cold conditions may reduce effectiveness. Always add a surfactant.

CROP	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
<b>Asparagus, Beans, Cucurbits, Lentils, Lettuce, Lucerne, Lupins, Peas, Potatoes, tomatoes</b>	Annual and perennial grasses	0.25-1 L/ha	Use at the rate recommended for the stage of development of the grass weeds encountered, as shown in the Weeds Controlled table. Add a wetting agent.
<b>Radiata pine plantations</b>	Pampas grass	5 L/ha	For best results, treat plants that are less than 1 m high. May be applied pre or post planting. Add a crop oil at 1 L/100 L of spray mix.
<b>White clover seed crops</b>	Couch, ryegrasses, wild oats, volunteer cereals	0.4-1 L/ha	Use at the rate recommended for the stage of development of the grass weeds encountered. Use the higher rate where perennial ryegrass or couch are present. Apply in mid-October after closing off. Allow grass to freshen to 5-7 cm after removing stock and before treatment. Add wetting agent.

**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.**

#### WITHHOLDING PERIODS

**Asparagus** DO NOT harvest within 48 hours following application.

#### APPLICATION

**Boom spraying:** Use 200-400 L of water/ha. Use the higher rate for tall or dense grass weed infestations.

**Handgun:** Use 50-100 mL/100 L

**Knapsack:** Use 15-30 mL/15 L

**Spot gun:** Use 5-10 mL/L

These water rates assume 1000-1500 L/ha for handgun, 500 L/ha for knapsack and 100-200 L/ha for spotgun.

#### COMPATIBILITY

DO NOT use in a tank mixture with any other herbicide. Allow at least 7 days between applying LEOPARD HERBICIDE and any other herbicide.

#### RAINFALL

DO NOT apply if rain is likely to fall within 1 hour following treatment. LEOPARD HERBICIDE is rainfast after 1 hour.

#### PLANT BACK RESTRICTIONS

DO NOT plant cereals or grasses within 8 weeks following treatment.

## RESISTANCE MANAGEMENT

LEOPARD HERBICIDE contains the GROUP A aryloxyphenoxypropionates "FOP" herbicide, quizalofop-P-ethyl. To minimise the risk of resistance developing, use strictly in accordance with the label directions. Unless directed, do not use another product containing herbicides in the same groups in conjunction with LEOPARD HERBICIDE. Where possible, herbicides from different groups should either be used alternately or mixed together to prevent the numbers of resistant individuals building up.

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