

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

# **LEOPARD<sup>®</sup>**

## **Herbicide**

**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/litre quizalofop-p-ethyl  
in the form of an emulsifiable concentrate

Also contains  
812 g/litre hydrocarbon liquids

ADAMA New Zealand Limited  
Level 1, 19 Elms Street,  
Wakatu Estate  
Stoke 7011 New Zealand  
PO Box 1799  
Nelson 7040 New Zealand

NET CONTENTS  
**1, 5, 10**  
**Litres**

Telephone 03 543 8275  
Facsimile 03 543 8274

**Refer to booklet for full label instructions.**

### HAZARD CLASSIFICATIONS

Classifications 6.1D, 6.3A, 6.9B, 9.1B



**ECOTOXIC**

### TOXICITY

#### Warning -

**May be harmful if swallowed, inhaled or absorbed through the skin.**

**May cause skin irritation.**

**May cause organ (liver) damage from repeated oral exposure at high doses.**

**Avoid contact with skin and inhalation of spray mist.**

### ECOTOXICITY

**Toxic to aquatic organisms with long-lasting effects.** Avoid contamination of any water supply with product or empty container.

### HANDLING PRECAUTIONS

Keep out of reach of children.

Do not eat, drink or smoke while using.

#### Equipment

Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZ8409).

#### Storage

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

As a Class 9 Substance with Ecotoxicity Classifications, storage of Leopard Herbicide must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS8409) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations. See Safety Data Sheet 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.

#### Protective Clothing

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 above to clean up spills. Absorb liquid spills with an inert (such as vermiculite, earth, sand or synthetic absorbent substance) material 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. Burn in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill, or if appropriate, recycle. Avoid contamination of any water supply with product or empty container.

### FIRST AID

If swallowed, DO NOT induce vomiting. **For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water. If inhaled, move the victim to fresh air immediately

### 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.

### ADAMA

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Stoke 7011 New Zealand  
Telephone 03 543 8275  
[www.adama.com](http://www.adama.com)

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See [www.nzfsa.govt.nz/acvm](http://www.nzfsa.govt.nz/acvm) for registration conditions.

Approved pursuant to the HSNO Act 1996, Approval No. HSR000354  
See [www.ermanz.govt.nz](http://www.ermanz.govt.nz) for registration conditions

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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.

**BEWARE**

**Apply this product carefully. Spray drift may cause serious damage to other desirable plants.**

**GENERAL INSTRUCTIONS**

LEOPARD Herbicide will not control broadleaf weeds, nor will it control soft brome or annual poa. 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.

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.

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

**DIRECTIONS FOR USE**

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

| 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 litre/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 litres/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 litre/100 litres of spray mix.  |
| <b>White clover seed crops</b>  | Couch, Ryegrasses, Wild Oats, Volunteer cereals | 0.4-1 litre/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. |

**WEEDS CONTROLLED**

| SPECIES        | DOSE RATE/ha                    |                                 |                       | CRITICAL COMMENTS                                    |
|----------------|---------------------------------|---------------------------------|-----------------------|--|
|                | Seedling<br>(up to 4 leaves)    | Vegetative                      | Mature<br>(seed head) |  |
| Barnyard grass | 0.5 litre                       | 0.75 litre                      | -                     | Always add a non-ionic wetting agent at label rates. |
| Bristle grass  |                                 |                                 |                       |  |
| Couch (twitch) | 1 litre                         | 1 litre                         |                       |  |
| Crowfoot grass | 0.5 litre                       | 0.5 litre                       | 0.5 litre             |  |
| Indian doab    | 0.75 litre                      | 1 litre                         | 1.5 litres            |  |
| Onion twitch   | 1 litre                         |                                 | -                     |  |
| Pampas grass   | 5 litres<br>plus<br>1% crop oil | 5 litres<br>plus<br>1% crop oil |                       |  |

|                   |            |           |         |
|-------------------|------------|-----------|---------|
| Prairie grass     | 0.6 litre  | 0.6 litre | 1 litre |
| Ryegrasses        | 0.9 litre  | 0.9 litre |         |
| Smooth witchgrass | 0.25 litre | 0.5 litre | -       |
| Summer grass      |            |           |         |
| Volunteer cereals | 0.5 litre  |           |         |
| Wild oats         | 0.4 litre  | 0.4 litre |         |

### WITHHOLDING PERIOD

DO NOT harvest asparagus within 48 hours following application.

### APPLICATION

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

**Handgun** Use 50-100 ml/100 litres

**Knapsack** Use 15-30 mL/15 litres

**Spot gun** Use 5-10 mL/litre.

These water rates assume 1,000-1,500 litres/ha for handgun, 500 litres/ha for knapsack and 100-200 litres/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.

### RESISTANT WEEDS WARNING

Naturally occurring weed biotypes resistant to aryloxyphenoxypropionates (fops) herbicides can become more prevalent after many years of continuous use. To delay the onset of, or control resistant weeds, use in rotation with herbicides of different mode of action. Since the occurrence of resistant weeds is difficult to detect prior to use ADAMA New Zealand Ltd accepts no liability for losses that may result from the failure of this product to control resistant weeds.

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