



ADAMA

LEOPARD[®] 200 EC HERBICIDE

GROUP **1** HERBICIDE

For the control of certain grass weeds in broadleaf crops as per directions for use table

Active Ingredients:

200 g/L QUIZALOFOP-P-ETHYL in the form of an emulsifiable concentrate, also contains 737 g/L LIQUID HYDROCARBONS.



DANGER

Combustible liquid. May be fatal if swallowed and enters airways. Causes serious eye irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated oral exposure. Toxic to aquatic life with long lasting effects. Hazardous to terrestrial vertebrates.

HANDLING PRECAUTIONS

Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe spray mist or vapours.

Use appropriate protective equipment as indicated in the personal protection section of this label. Wash exposed skin thoroughly after handling. Avoid unintended release into the environment. Collect spillages.

FIRST AID

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

IF SWALLOWED: DO NOT induce vomiting.

Immediately contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.

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.

STORAGE

Refer to the storage section of this label.

DISPOSAL

Refer to the disposal section of this label.

Batch number:

Date of Manufacture:

Barcode to be inserted

NET CONTENTS: 5 L, 10 L, 20 L, 200 L, 1000 L

REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.

HAZARD CLASSIFICATIONS: Flammable liquid Category 4, Eye irritation Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Aspiration hazard Category 1, Hazardous to the aquatic environment chronic Category 2, Hazardous to terrestrial vertebrates.

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.

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.

PERSONAL PROTECTION

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

STORAGE

Store locked up in the tightly closed original container in a cool, dry, well-ventilated place, out of direct sunlight and away from stockfeed or foodstuffs. In case of fire, use carbon dioxide, dry chemical, foam or water fog for extinction.

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.

TRANSPORT

Do not transport packages of this substance greater than 10 L on passenger service vehicles.

SPILLAGE

Wear appropriate protective clothing and prevent material from entering waterways. Contain liquid spills and absorb with inert absorbent material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste container. Wash area with water and alkaline detergent. Then absorb any remaining liquid with further inert material. Dispose of waste safely in a suitable landfill.

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.

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.

Do not burn product or container.

SAFETY DATA SHEET

A safety data sheet for this product is available at www.adama.com.

WITHHOLDING PERIOD

DO NOT harvest asparagus within 48 hours following application.

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

Top/base

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.



Registered to and distributed by:
ADAMA New Zealand Limited
Level 1, 93 Bolt Road
Tahunanui, Nelson 7011
PO Box 1799, Nelson 7040
New Zealand
Telephone 03 543 8275
www.adama.com

Registered pursuant to the ACVM Act 1997, No. P9137
See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR101045
See www.epa.govt.nz for approval controls

Leopard is a registered trademark of an ADAMA Group Company.



EMERGENCY RESPONSE
(All hours)
Ring from anywhere in New Zealand
0800 764 766

**In a Transport
Emergency
Phone 111
Police or Fire**

Batch Number:
Date of manufacture:

Bar code to be inserted

PRODUCT INFORMATION

LEOPARD 200 EC 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 200 EC 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 200 EC 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

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

EPA CONTROLS

- A person must not apply this substance directly into or onto water.

CROP	WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Asparagus, beans, cucurbits, lentils, lettuce, lucerne, lupins, peas, potatoes, tomatoes	Annual and perennial grasses	125–500 mL/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.
Radiata pine plantations	Pampas grass	2.5 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.
White clover seed crops	Couch ryegrasses, wild oats, volunteer cereals	200–500 mL/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 a wetting agent.

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

WITHHOLDING PERIOD

DO NOT harvest asparagus within 48 hours following application.

WEEDS CONTROLLED

SPECIES	DOSE RATE/ha			CRITICAL COMMENTS
	Seedling (up to 4 leaves)	Vegetative	Mature (seed head)	
Barnyard grass	250 mL	375 mL	-	Always add a non-ionic wetting agent at label rates.
Bristle grass				
Couch (twitch)	500 mL	500 mL		
Crowfoot grass	250 mL	250 mL	250 mL	
Indian doab	375 mL	500 mL	750 mL	
Onion twitch	500 mL		-	
Pampas grass	2.5 L plus 1% crop oil	2.5 L plus 1% crop oil		
Prairie grass	300 mL	300 mL	500 mL	
Ryegrasses	450 mL	450 mL		
Smooth witchgrass	125 mL	250 mL	-	
Summer grass				
Volunteer cereals	250 mL			
Wild oats	200 mL	200 mL		

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 1,000-1,500 L/ha for handgun, 500 L/ha for knapsack and 100-200 L/ha for spot gun.

COMPATIBILITY

DO NOT use in a tank mixture with any other herbicide. Allow at least 7 days between applying LEOPARD 200 EC HERBICIDE and any other herbicide.

RAINFALL

DO NOT apply if rain is likely to fall within 1 hour following treatment. LEOPARD 200 EC HERBICIDE is rainfast after 1 hour.

RESISTANCE MANAGEMENT

LEOPARD 200 EC HERBICIDE contains the Group 1 "Fop" (aryloxyphenoxypropionate) herbicide, Quizalofop-p-ethyl. Some naturally occurring weed biotypes resistant to LEOPARD 200 EC HERBICIDE and other Group A herbicides may exist through normal genetic variability 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 LEOPARD 200 EC HERBICIDE or other Group 1 herbicides. To delay the onset of or control resistant weeds, use in rotation with herbicides of a different mode of action. Since the occurrence of resistant weeds is difficult to detect prior to use, ADAMA New

Zealand Limited accepts no liability for any losses that may result from failure of LEOPARD 200 EC HERBICIDE to control resistant weeds.

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