

**DANGER**

**Keep out of reach of children**



**ADAMA**

**FLASH<sup>®</sup> HERBICIDE**

GROUP	<b>22</b>	HERBICIDE
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**For weed control in clover seed and lucerne crops, drains, forestry nurseries, waterways and the control of barley grass**

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

**Active Ingredient:**

Contains 250 g/L PARAQUAT as the DICHLORIDE salt in the form of a soluble concentrate

UN No:	3016
Class-primary	6.1
Packing group	III
Proper shipping name:	BIPYRIDILIUM PESTICIDE, LIQUID, TOXIC
Marine pollutant:	YES
Batch number:	NET CONTENTS: 5 L, 10 L, 20 L
Date of Manufacture:	
<b>Barcode to be inserted</b>	



**REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS****DANGER**

Toxic if swallowed. Fatal if inhaled. Causes skin irritation. Causes serious eye irritation. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Hazardous to terrestrial vertebrates. Hazardous to terrestrial invertebrates.

**THIS PRODUCT IS RESTRICTED TO WORKPLACES ONLY.**

**THIS PRODUCT MUST BE UNDER THE PERSONAL CONTROL OF A CERTIFIED HANDLER.**

**THIS PRODUCT MUST BE TRACKED.**

**HANDLING PRECAUTIONS**

Keep out of reach of children. Responsible handling information is available for this substance <http://www.adama.com/new-zealand/en/crop-protection/herbicides/flash.html> This information should be read and understood BEFORE using this substance. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe spray mist. Wear protective clothing as detailed in the personal protection section of this label. Wash hands thoroughly after handling. Avoid unintended release into the environment. Collect spillages.

**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.

**QUALIFICATIONS REQUIRED FOR APPLICATION OF ECOTOXIC SUBSTANCES**

Anyone who mixes, loads, or applies this product, either by air or ground based methods, is required to be suitably qualified, or must receive guidance and, if required, assistance from a suitably qualified person. Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) Notice 2017 for a list of suitable qualifications.

**RECORD KEEPING**

A written record of each application of the substance must be kept in accordance with clause 13.4 of the Health and Safety at Work (Hazardous Substances) Regulations 2017.

**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**

**This product must be appropriately secured from access by persons other than a certified handler.**

Store locked up in the original, container tightly closed and in a locked, dry, cool, well ventilated area, out of direct sunlight and away from stockfeed or foodstuffs.

There are requirements when storing this product in a workplace, relating to labelling, safety data sheets, stationary container systems, separation distances, secondary containment, emergency response plans, and signage.

Secondary containment and emergency response plans are required where 100 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 elbow-length chemical resistant gloves, chemical resistant apron or spray suit, and a face shield. During application, except in an enclosed cab with filtration to protect against dust, aerosols and vapour, wear respiratory protection (air-purifying mask respirator with organic vapor cartridge(s) in combination with a particulate filter. Remove protective clothing and wash hands and exposed skin with soap and water before meals and after work.

**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 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 facility.

#### 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](http://www.adama.com).

#### FIRST AID

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

**SYMPTOMS OF POISONING:** Immediate symptoms of poisoning may include vomiting. This may be followed by pain and swelling of the mouth and throat, abdominal pain and diarrhea.

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

**IF POISONING IS SUSPECTED, RUSH VICTIM TO THE NEAREST HOSPITAL AFTER ALERTING THEM BY TELEPHONE.**

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Take to the nearest hospital immediately after alerting them by telephone.

**IF ON SKIN:** Take off contaminated clothing and wash before reuse. Wash the affected area with water and soap. If skin irritation occurs, get medical advice/attention.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. If eye irritation persists, get medical advice/attention.

**IF INHALED:** Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing has stopped, DO NOT USE DIRECT MOUTH TO MOUTH METHOD. Use alternative respiratory or proper respiratory device. Take to the nearest hospital immediately after alerting them by telephone.

#### 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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Registered pursuant to the ACVM Act 1997, No. P7431

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



Approved pursuant to the HSNO Act 1996, Approval No. HSR000828  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

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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



A handwritten signature in blue ink, appearing to be "Mark Brimble", written over the bottom of the seal.

## PRODUCT INFORMATION

FLASH HERBICIDE is a non-residual, fast-acting herbicide that is active on green plant tissues only. Most grasses and flat weeds are controlled, but clovers recover quickly. It is inactivated on contact with the soil. Contents of this container are dyed blue for identification. Apply this product carefully as it may cause serious damage to non-target plants.

## RESPONSIBLE HANDLING

Responsible handling information is available <http://www.adama.com/new-zealand/en/crop-protection/herbicides/flash.html> This information should be read and understood **BEFORE** using this substance.

DO NOT transfer this product into food or drinks containers, or into unlabelled containers.

## USE RESTRICTIONS

No person can apply FLASH HERBICIDE except for agricultural or biosecurity purposes. Agricultural purposes include use for agricultural and horticultural production purposes, including commercial forestry nurseries, commercial cropping systems and commercial ornamental horticulture production. It DOES NOT include forestry plantations, biosecurity purposes, amenity horticulture, and publicly accessible areas or horticulture which would otherwise be considered domestic properties.

No person may use FLASH HERBICIDE for biosecurity purposes without first obtaining permission from the EPA under section 95A of the HSNO act 1996.

## 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.**

## APPLICATION RATE RESTRICTIONS

Maximum single application rate: 2.4 L/ha

Maximum annual application rate: 2.4 L/ha

CROP/ SITUATION	WEED	RATE/HA	CRITICAL COMMENTS
<b>Banks, drains and waterways</b>	Grasses, broadleaf weeds, emerged aquatic weeds	<b>Handgun:</b> 600 mL/100 L of water	<b>Note: FLASH HERBICIDE must not be applied directly onto or into water.</b> Apply only when drains are dry, and to emerged weeds, where spray cannot come in contact with water.
<b>Clover seed crops</b>	Suppression of ryegrass, volunteer grasses and control of flat weeds	1.2-1.6 L in 250-300 L of water/ha	Apply 2 weeks before closing. If irrigation is available, water the crops 1 or 2 weeks after spraying.
<b>Fence lines, stock yards</b>	General weeds	<b>Handgun:</b> 400 mL/100 L of water	For a clean-up of weeds along fence lines and around stock yards.
<b>Forestry nurseries</b>	Grasses, broadleaf weeds	<b>Handgun:</b> 1.6 L/100 L of water	For spot applications.
<b>Lucerne</b>	Most fibrous rooted grasses and annual broadleaf weeds	1.6-2.4 L with 0.8-1.4 kg of simazine 900 DF in 250-300 L of water/ha	Apply this mixture during winter when lucerne is dormant. The addition of simazine provides season-long control and kills more weed species. The mixture



CROP/SITUATION	WEED	RATE/HA	CRITICAL COMMENTS
	Shepherd's Purse, subterranean clover in established stands	1.6-2.4 L with 850 g ATRANEX® WG HERBICIDE in 250-300 L of water/ha	should be well agitated before and during spraying.
<b>Non-selective weed control</b>	Barley grass	<b>Handgun:</b> 240 mL/100 L of water	Application while the seed-head is still green will kill the seed. DO NOT spray once the seed-heads have begun to turn brown. Ensure complete wetting of plants and seed-heads.
	Barley grass (vegetative or green seed-head stage)	<b>Handgun:</b> 240 mL with 90 g of simazine 900 DF/100 L of water	Gives complete control of plants and seeds and proofs sprayed areas against reinfestation for up to 6 months. The mixture can be applied during autumn, winter and early spring. The mixture is not recommended for selective control of barley grass in pasture. DO NOT spray once seed-heads have begun to turn brown.
	Australian sedge	<b>Handgun:</b> 100 mL with 500 mL 2,4-D (72% a.i.) per 100 L of water.	Apply in the active growth period between November and April. Ensure thorough wetting of all foliage.
	Tall fescue, rushes	<b>Handgun:</b> 600 mL in 100 L of water	Spot spray during spring and autumn, preferably to regrowth following hard grazing or mowing.

**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.**

### MIXING

FLASH HERBICIDE contains sufficient wetting agents for most uses. Use only clean water for mixing.

### APPLICATION METHOD RESTRICTIONS

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

FLASH HERBICIDE may be applied conventional spray equipment, but complete coverage of the weed foliage is essential. For boom spraying 200-300 L of water/ha will generally give optimum coverage. At the completion of spraying all application equipment should be thoroughly washed. Two or three changes of clean water are usually sufficient.

A person applying FLASH HERBICIDE must ensure that the spray is delivered as a coarse quality spray for ground-based applications, and coarse to very coarse droplets for aerial application, as classified by the American Society of Agricultural & Biological Engineers (ASABE) droplet size classification scheme (American National Standard ANSI/ASABE S572.1, March 2009). Do not apply when wind speeds are less than 3 km/hr or more than 20km/hr as measured at the application site.



## Buffer Zones

Application method	Sensitive receptor	Downwind buffer zone	
		Application rate of less than 1.6 L/ha	Application rate of 1.6–2.4 L/ha
All ground based application methods (excluding use of non-motorised handheld equipment)	Aquatic organisms	Nil	5 m
	Non-target plants (non-threatened)	Nil	5 m
	Non-target plants (threatened)	5 m	5 m
All aerial applications	Aquatic organisms	5 m	15 m
	Non-target plants (non-threatened)	40 m	40 m
	Non-target plants (threatened)	60 m	100 m

## RESISTANCE MANAGEMENT

FLASH HERBICIDE contains the GROUP 22 Bipirydylum herbicide, paraquat. Do not use another product containing herbicides in the same group in conjunction with FLASH HERBICIDE. Where possible, alternate the types of herbicides used within any one paddock over time. Herbicides from different group codes should either be used alternately or mixed together to prevent the numbers of resistant individuals building up. For further resistance management information refer to <https://resistance.nzpps.org>.

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