



## Fact Sheet

# FLASH<sup>®</sup> Herbicide

*A Water Soluble Concentrate (SC) containing 250 g/litre paraquat as the dichloride salt*

**FLASH** is a non-selective, non-residual, fast-acting contact herbicide active on green plant tissues only. **FLASH** will control many grasses and flat weeds, but since it is not translocated, regrowth can be expected from mature perennials with established tap roots, rhizomes or stolons. Clovers and lucerne recover very quickly after application.

The active ingredient of **FLASH** is a bipyridilium herbicide which works rapidly by disrupting cell membrane, causing foliage to look 'water-soaked' then quickly dry out and turn brown. **FLASH** is activated by light so best results are achieved by spraying at dusk or under cloudy humid conditions to enable more herbicide to enter the leaf before the cell membranes are affected. Control may be less effective under hot dry conditions with low soil moisture when plants are not growing actively.

**FLASH** is deactivated on contact with soil by bonding strongly with clay particles. Because of this, use only clear clean water for mixing.

### DIRECTIONS FOR USE:

Crop/Situation	Pest	Rate/Ha
Clover Seed Crops	Suppression of Ryegrass, volunteer grasses and control of flat weeds	1.2 to 1.6 litres in 250-300 litres of water/Ha
	<b>CRITICAL COMMENTS:</b> <ul style="list-style-type: none"><li>Apply 2 weeks before closing. If irrigation is available water the crops one or two weeks after spraying.</li><li><b>FLASH</b> will control difficult annual grasses not well controlled by selective grass herbicides, such as Vulpia Hair Grass; fine leaved Fescue; Annual Poa; Downey, Barren and Rippgut Brome. The addition of an organosilicone wetting agent is recommended for larger plants</li><li>Small seedlings up to 15mm diameter of difficult broadleaves such as Parsley Piert and Cleavers and Field Madder may also be controlled. The addition of an organosilicone wetting agent is recommended.</li></ul>	

**ADAMA**

ADAMA New Zealand Ltd. 1/19 Elms St, Wakatu Estate, PO Box 1799, Nelson 7040, New Zealand

Telephone +64(3)543 8275 | Facsimile +64(3)543 8274 | [www.adama.com](http://www.adama.com)



<b>Lucerne</b>	Most fibrous rooted grasses and Annual Broadleaf weeds in young stands	1.6 to 2.4 litres plus 1.5 to 2.5 L/Ha <b>SIMANEX</b> <sup>®</sup> in 250 to 300 litres of water/Ha
	Most fibrous rooted grasses and annual broadleaf weeds in established stands	1.6 to 2.4 litres plus 1.6 to 2.5 L/Ha of <b>ATRANEX</b> <sup>®</sup> or <b>TYLLANEX</b> <sup>®</sup> in 250 to 300 litres of water/Ha
	<b>CRITICAL COMMENTS:</b> <ul style="list-style-type: none"> <li>▪ Add <b>SIMANEX</b> on young stands and for late season application.</li> <li>▪ Add <b>ATRANEX</b> or <b>TYLLANEX</b> on established stands.</li> <li>▪ Please refer to the ADAMA Fact Sheet <b>LUCERNE WEED CONTROL</b> for more detailed information.</li> </ul>	

<b>Crop/Situation</b>	<b>Pest</b>	<b>Rate/Ha</b>	<b>Critical Comments</b>
<b>Fence Lines, Stock Yards</b>	General weeds	4-8 litres in 500 litres of water/Ha. Handgun – 400 ml per 100 litres of water.	For a clean up of weeds along fence lines and around stock yards.
<b>Forestry</b>	Grasses, Broadleaf weeds	4 litres in 200-300 litres of water/Ha	Pre-plant: For overall or strip treatment.
		1.6 litres/100 litres of water	For spot applications.
		1.6 litres/100 litres of water	Post-plant: To release trees from competition. Ensure that trees are shielded from the spray.
<b>Non-selective Weed Control</b>	Barley grass	Handgun – Apply 240 ml/100 litres of water	Applied while the seedhead is still green will kill the seed. <b>DO NOT</b> spray once the seedheads have begun to turn brown. Ensure complete wetting of plants and seedheads.
	Barley grass (vegetative or greed seedhead stage)	Handgun – Apply 240ml with 90g of a simazine 900 WG product/100 litres of water	Gives complete control of plants and seeds and proofs sprayed areas against reinfestation for up to six 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. <b>DO NOT</b> spray once seedheads have begun to turn brown.

## ADAMA

ADAMA New Zealand Ltd. 1/19 Elms St, Wakatu Estate, PO Box 1799, Nelson 7040, New Zealand

Telephone +64(3)543 8275 | Facsimile +64(3)543 8274 | [www.adama.com](http://www.adama.com)



	Australian Sedge	Handgun – 100 ml plus 500 ml 2,4-D (72% a.i.) per 100 litres of water. Aerial – 8.8 litres plus 22 litres 2,4-D (72% a.i.) in a minimum of 550 litres of water/Ha	Apply in the active growth period between November and April. Ensure thorough wetting of all foliage. Half overlap flying is recommended to ensure better coverage of the sedge.
		The addition of an organosilicone wetting agent may improve control of these very hard to wet plants.	
	Tall fescue, Rushes	Handgun – 600 ml in 100 litres of water	Spot spray during spring and autumn, preferably to regrowth following hard grazing or mowing.
		The addition of an organosilicone wetting agent may improve control of these very hard to wet plants.	
<b>Streets and Industrial Sites</b>	General clearing of weed growth	4-8 litres in 500 litres of water/Ha Handgun – 400 ml/100 litres of water	Spray during spring or autumn. For long term control apply together with an appropriate residual herbicide.

#### **MIXING:**

**FLASH** contains sufficient wetting agents for most uses but the addition of an organosilicone adjuvant may improve control of species with waxy or hairy leaves and under dry conditions. **FLASH** is deactivated by bonding strongly with clay particles so use only clear clean water for mixing. In hard water areas the addition of a buffering agent may improve performance of **FLASH**.

#### **RAINFALL:**

**FLASH** is rainfast soon after the spray has dried on the foliage but try to avoid application when rain is imminent. Do not spray plants with frost or water droplets on the leaves as wetting agents in the formulation may cause runoff.

#### **APPLICATION:**

Conventional spray equipment may be used but complete coverage of the weed foliage is essential. For boom spraying smaller droplets (200-300 microns) give best coverage so use higher pressure (around 300-350 kPa) rather than increasing the water rate. 200-300 litres of water per hectare 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.

## ADAMA

ADAMA New Zealand Ltd. 1/19 Elms St, Wakatu Estate, PO Box 1799, Nelson 7040, New Zealand

Telephone +64(3)543 8275 | Facsimile +64(3)543 8274 | [www.adama.com](http://www.adama.com)



**TANK MIXING:**

**FLASH** can be tank mixed with **ATRANEX WG**. It is not recommended to mix **FLASH** with flowable triazine formulations and other herbicides unless previous experience has indicated they are compatible and give acceptable weed control.

**BEWARE:**

Apply this product carefully. Spray drift may cause serious damage to desirable plants. Ensure compliance with relevant regional air management plans. A strategy to minimise spray drift should be employed at all times when applying spray near aquatic environments.

**IMPORTANT:** This is not the registered label. Always read the label before using this product and follow label instructions.

**For specialist advice in an EMERGENCY call 0800 734 607 (all hours).**

©Adama, FLASH, SIMANEX, ATRANEX, & TYLLANEX are registered trademarks of an Adama Group Company. Registered pursuant to the ACVM Act 1997, No. Poo7431. 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.

Release date: 24.05.06

**ADAMA**

ADAMA New Zealand Ltd. 1/19 Elms St, Wakatu Estate, PO Box 1799, Nelson 7040, New Zealand  
Telephone +64(3)543 8275 | Facsimile +64(3)543 8274 | [www.adama.com](http://www.adama.com)