

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



# **ATRANEX<sup>®</sup> FLOW**

## **Herbicide**

<b>GROUP</b>	<b>C1</b>	<b>HERBICIDE</b>
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*For post-emergence control of annual grasses and broadleaf weeds  
in maize, sweetcorn, established lucerne and non-crop situations*

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

**Active Ingredient:**

Contains 500 g/L ATRAZINE in the form of a suspension concentrate  
Also contains 28 g/L ethylene glycol

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

NET CONTENTS  
1 L, 5 L, 20 L,  
200 L

# **ADAMA**

**Refer to booklet for full label instructions.****HAZARD CLASSIFICATIONS:** 6.1D, 6.9B, 9.1A, 9.2A, 9.3C**HARMFUL****TOXIC - CHRONIC****ECOTOXIC****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 CLASS 9 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:**

Where 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. *Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) notice 2017 for details of information that must be recorded.*

**TOXICITY****WARNING**

**Harmful if swallowed.**

**May cause damage to organs through prolonged or repeated exposure.** Do not breathe spray mist or vapours.

**ECOTOXICITY**

**Very toxic to aquatic life.** Do not apply onto or into water. Avoid contamination of any water supply with product or empty container.

**Very toxic in the soil environment.**

**Harmful to terrestrial vertebrates.**

**HANDLING PRECAUTIONS**

Keep out of reach of children.

Wash hands and exposed skin thoroughly after handling.

Do not eat, drink or smoke while using.

**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, unopened container in a cool, dry place, 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; and in a place other than a workplace, relating to stationary container systems, separation distances, emergency response plans, secondary containment, and signage. Secondary containment and emergency response plans are required where greater than 100 L of this product are stored. Refer to the product SDS for further information.

**Personal protection**

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves, and eye protection. Remove protective clothing and wash hands, arms and face 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 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 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 directions 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.

**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.



Registered to:

Adama New Zealand Limited  
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Registered pursuant to the ACVM Act 1997, No. PP9557

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

Approved pursuant to the HSNO Act 1996, Approval No. HSR000534

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**AGRECOVERY**

**EMERGENCY RESPONSE**

(All hours)

Ring from anywhere in New Zealand  
**0800 734 607**

In a Transport  
Emergency  
Phone 111  
Police or Fire

Batch No.

*Bar code to be inserted*

*Atranex Flow label 6/12/2017*

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*HSNO classifications 6.1D, 6.9B, 9.1A, 9.2A, 9.3C*

*Label*

Date of Manufacture

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#### SAFETY DATA SHEET

A Safety Data Sheet for this product is available from [www.adama.com](http://www.adama.com) or Adama New Zealand Limited on request. Call 03 543 8275.

#### 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.**

CROP	RATE/HA	WEEDS CONTROLLED	CRITICAL COMMENTS
Maize, sweetcorn	1.5-3 L/ha	Broadleaf weeds including fathen, black nightshade, willow weed, redroot, apple of Peru	Apply as an early post-emergence spray (within 7 days of sowing). It is important that weeds are actively growing in moist soil and not more than 2 cm in height. Do not apply under dry slow-growth conditions. Application may safely be made at any growth stage of the crop. Shallow moulding to a depth of 3 cm 7-10 days after spraying can improve weed control where soil moisture is low. Apply in 200-400 L water/ha as a directed band spray or as an overall spray. The addition of a non-ionic wetting agent is recommended.
	1.5–3 L/ha + suitable grass herbicide	Broadleaf weeds as above and annual grasses	Apply in 200-400 L water/ha with a recommended grass herbicide at the appropriate rate. Apply as a directed band spray or as an overall spray. The addition of a non-ionic wetting agent is recommended.
Established lucerne at least one year old	1.5-2 L/ha + 2-3 L/ha paraquat (20% a.i.)	Annual grasses and seedling broadleaf weeds such as shepherd's purse, subterranean clover and Storksbill	Apply in 200-300 L water/ha. Use higher rates only when Storksbill is the predominant weed. Apply to closely grazed Lucerne stands during the winter months when Lucerne is completely dormant. Do NOT apply if the ground is excessively wet or in frost conditions. Allow a few days after grazing for weed to recover before spraying.
Non-crop	4.5 L/ha	Annual grasses and broadleaf weeds	Apply in 200-400 litres water with a suitable knockdown herbicide. Apply in Spring at the first sign of growth.

**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.**

### **GENERAL INSTRUCTIONS**

ATRANEX FLOW is a post-emergence herbicide which selectively controls certain broadleaf weeds and grasses in various crops. This product is absorbed through the leaves and roots and inhibits photosynthesis. For best results emerging weeds should be young and actively growing and the soil surface moist and clod free.

### **MIXING**

Invert container several times before opening. Stir well. Add the full quantity of product to the partly filled spray tank while agitating. Fill tank and agitate to ensure thorough mixing and continue agitation while spraying. Agitate vigorously from the bottom if allowed to stand. Reseal part used containers immediately.

### **SOIL CONDITIONS**

To obtain maximum residual effect, ATRANEX FLOW should be applied to smooth clod-free soil. Moisture in the surface soil is essential for good results.

### **APPLICATION**

Apply at 200-400 L water/ha using conventional spray equipment. Higher volumes of water are desirable as this increases the evenness and accuracy of distribution.

### **COMPATIBILITY**

This product is compatible with commonly used herbicides. If uncertain, seek advice from your local Adama representative. If allowed to stand, agitate vigorously before using.

### **CROP ROTATION**

Residues resulting from the use of ATRANEX FLOW can adversely affect certain susceptible crops such as tomatoes, cucurbits, brassicas, lettuce, beetroot and beans. Do NOT plant crops other than maize and sweetcorn after applying ATRANEX FLOW unless the area has been ploughed and cross-cultivated thoroughly and it is certain that there are no residues remaining. This can be confirmed by use of an indicator crop, e.g. radishes.

### **RESISTANCE MANAGEMENT**

ATRANEX FLOW contains the GROUP C1 triazine herbicide, atrazine. Naturally occurring weed biotypes resistant to atrazine and other triazines are known to exist, including fathen and willow weed. Resistant populations become more prevalent after many years of continuous use of the product. Unless directed, do not use another product containing herbicides in the same groups in conjunction with ATRANEX FLOW. Where possible alternate the types of herbicides used within any one paddock over time. 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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