WARNING
KEEP OUT OF REACH OF CHILDREN
ECOTOXIC

ATRANEX® FLOW
Herbicide

GROUP C1 HERBICIDE

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

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.

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.

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See www.foodsafety.govt.nz for registration conditions

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Very toxic in the soil environment.
Harmful to terrestrial vertebrates.

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**SAFETY DATA SHEET**
A Safety Data Sheet for this product is available from 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.**

<table>
<thead>
<tr>
<th>CROP</th>
<th>RATE/HA</th>
<th>WEEDS CONTROLLED</th>
<th>CRITICAL COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maize, sweetcorn</td>
<td>1.5-3 L/ha</td>
<td>Broadleaf weeds including fathen, black nightshade, willow weed, redroot, apple of Peru</td>
<td>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.</td>
</tr>
<tr>
<td>1.5–3 L/ha + suitable grass herbicide</td>
<td>Broadleaf weeds as above and annual grasses</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Established lucerne at least one year old</td>
<td>1.5-2 L/ha + 2-3 L/ha paraquat (20% a.i.)</td>
<td>Annual grasses and seedling broadleaf weeds such as shepherd's purse, subterranean clover and Storksbill</td>
<td>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.</td>
</tr>
<tr>
<td>Non-crop</td>
<td>4.5 L/ha</td>
<td>Annual grasses and broadleaf weeds</td>
<td>Apply in 200-400 litres water with a suitable knockdown herbicide. Apply in Spring at the first sign of growth.</td>
</tr>
</tbody>
</table>
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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