

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



**MAGNETO®**

GROUP 5 HERBICIDE

**For selective weed control in forestry, lucerne, maize, sweetcorn, peas, orchards and non-selective long term weed control of non-cropland areas as shown under the directions for use**

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

**Active Ingredient:**

Contains 500 g/L TERBUTHYLAZINE in the form of a suspension concentrate

UN No:  
Class-primary  
Packing group  
Proper shipping name:

3082  
9  
III  
ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (Contains  
Terbuthylazine)  
YES

Marine pollutant:

Batch number:  
Date of Manufacture:  
**Barcode to be inserted**

NET CONTENTS: 20 L



**REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.****WARNING**

May cause damage to organs through prolonged or repeated oral exposure at high doses. Very toxic to aquatic life with long lasting effects. Very toxic to the soil environment. Harmful to terrestrial vertebrates.

**HANDLING PRECAUTIONS**

Keep out of reach of children. Read label carefully and follow all instructions. Do not breathe spray mist. Wear protective clothing as specified in the personal protection section of this label. 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.

**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.

**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**

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.*

**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.

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.

**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 impervious, elbow-length gloves. Remove protective clothing and wash hands 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 protections 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 landfill.

**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.

**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.**

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

**IF exposed or concerned:** 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 and distributed by:

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Registered pursuant to the ACVM Act 1997, No. P009564

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

Approved pursuant to the HSNO Act 1996, Approval No. HSR100826

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

Magneto is a registered trademark of an ADAMA Group Company.



**AGRECOVERY**

**EMERGENCY RESPONSE**

(All hours)

Ring from anywhere in New Zealand

**0800 734 607**



In a Transport  
Emergency  
Phone 111  
Police or Fire

## GENERAL INFORMATION

MAGNETO is a selective herbicide for use in forestry, lucerne, maize, sweetcorn, peas, orchards and non-selective long term weed control in non-cropland areas. MAGNETO is absorbed by the roots, although some foliar absorption does take place, and inhibits photosynthesis.

MAGNETO controls a wide range of weeds including barley grass, black nightshade, browntop, catsear, chickweed, clovers, cocksfoot, dove's foot, fathen, Kentucky bluegrass, nodding thistle, Poa spp., redroot, rye grass spp., Scotch thistle, seedling gorse, shepherd's purse, storksbill, sweet vernal, willow weed, Yorkshire fog and other annual grasses and broadleaf weeds. This product does not control deep rooted perennial grasses such as paspalum, kikuyu and Indian doab. It is recommended to add a knockdown herbicide, such as POLARIS 360 HERBICIDE, at label rates to control these weeds.

When spraying for total weed killing purposes, care should be taken not to spray beds, where desirable annual plants are to be grown. Avoid spray drift onto garden beds and plants. Do not use in channels or drains or in other situations where roots of desirable plants or shrubs may extend. Do not use near newly planted shrubs, young ornamentals and other species with surface roots.

## 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

- Do not apply this substance onto or into water.



**Apply this product carefully. Spray drift may cause serious damage to desirable plants**

CROP	RATE	CRITICAL COMMENTS
<b>Forestry</b> Radiata pine, Douglas fir and Eucalyptus species ( <i>E. fastigata</i> and <i>E. saligna</i> )	<b>Broadcast:</b> 15-20 L/ha in 200-300 L water	Apply prior to spring growth. Use the higher rate on perennial grasses or where vegetation is dense. The addition of Amitrole 40 g/L ai is recommended, where cocksfoot and Californian thistle are present and seedling growth is over 5 cm high. Avoid using this combination on Douglas fir once spring growth flush has commenced or if using knapsack spraying equipment. Apply with sufficient water to obtain good coverage. Add a wetting agent at the label rate.
	<b>Spot treatment:</b> 1.65–2.2 mL/m <sup>2</sup>	<b>Hand Gun:</b> 110 mL/L of water. Apply 15-20 mL of dilute spray per square metre. <b>Knapsack:</b> 55 mL/L of water. Apply 30-40 mL of dilute spray per square metre. Mix with sufficient water to obtain thorough coverage and treat 2 square metres around each tree. Add a wetting agent at the label rate.
<b>Lucerne</b> Established	1.5-2 L/ha in 200-300 L of water	Apply only during the winter months when the lucerne is dormant. Apply with 2-3 L/ha FLASH HERBICIDE to closely grazed stands that are at least 2 years old. Allow a few days after heavy grazing before treating. Do not apply under frosty or very wet conditions. Higher than recommended application rates may affect growth. If clover is a problem or longer residual activity is required, use the higher rate.
<b>Maize, sweetcorn</b>	<b>Pre-emergence:</b> 3.6 L/ha in 200-300 L of water	Apply before crop emergence to freshly prepared seedbeds. The addition of a suitable grass weed herbicide is necessary to control heavy infestations of annual grass weeds.

	<b>Post-emergence:</b> 3 L/ha in 200-300 L of water	Apply to actively growing weeds no taller than 5 cm. Add a wetting agent at the label rate.
<b>Orchard crops</b> Pipfruit, citrus, grapes, kiwifruit	6-8 L/ha in 200-300 L of water	Do not apply to trees or vines less than 1 year old or where plants are growing in light sandy soil. <b>Pre-emergence:</b> Apply in the spring to weed free soil. <b>Post-emergence:</b> Tank mix with a contact herbicide to control established weeds.
<b>Peas</b>	1.5-2 L/ha in 200-300 L of water	Apply before crop emergence to freshly prepared seedbeds. Use the higher rate under dry soil conditions. Rainfall or irrigation is necessary after application to move the product into the weed root zone. Do not use the product in very porous soils.
<b>Non-cropland areas</b> Industrial areas, roadsides, footpaths, drives, etc	15-20 L/ha in 200-300 L of water	Use sufficient water to obtain even coverage. Add a knockdown herbicide, such as POLARIS 360 HERBICIDE, to control deep rooted perennial weeds.

**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.**

## WITHHOLDING PERIODS

**Lucerne:**

**28 days**

## APPLICATION METHOD

MAGNETO may be applied through all conventional spray equipment. Do not use strainers finer than 300 microns.

## 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. Continue agitation while spraying. Agitate vigorously from the bottom if allowed to stand.

## RAINFALL

MAGNETO is mainly root absorbed, and rain or irrigation of at least 10mm is necessary within 1 week to wash the chemical into the root zone. Pre-emergent applications can be made when rain is imminent or. Post-emergent applications should be avoided if rain is likely within 3 hours.

## COMPATIBILITY

This product is compatible with most likely additives including amitrole, glyphosate and paraquat. It is advisable to add MAGNETO to the partly filled spray tank first. Mix and then incorporate tank-mix partners with agitation running.

## RESISTANT MANAGEMENT

MAGNETO contains the GROUP 5 triazine herbicide, terbuthylazine. Naturally occurring weed biotypes resistant to terbuthylazine and other triazines are known to exist. 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 MAGNETO. 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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