

**HARMFUL ECOTOXIC**  
**KEEP OUT OF REACH OF CHILDREN**

**zelam**

**Zelam™**  
**ACTIVATED AMITROLE**  
**400**

**for non-selective control of many annual and perennial  
grasses, broadleaf weeds and selected brushweeds**

**H E R B I C I D E**

**NET CONTENTS: 5 LITRES**

™ Trademark of Tapuae Partnership, NZ.

Registered Pursuant to the ACVM Act 1997, No. P6051. See [www.nzfsa.govt.nz/acvm/](http://www.nzfsa.govt.nz/acvm/) for registration conditions

**PLEASE READ ENTIRE LABEL BEFORE MIXING OR APPLYING.**

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

**ACTIVE INGREDIENT:** Contains 400g/litre amitrole in the form of a soluble concentrate. Also contains 100 g/litre ammonium thiocyanate and 230g/litre sulphamic acid.

**APPROVED HANDLER:** This product must be under the control of an approved handler during use. See MSDS for full details.

**RECORD KEEPING:** Records of use must be kept under certain circumstances. See MSDS for full details.

**WARNING:** May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation. Avoid contact with eyes.

**DANGER:** May cause reproductive/developmental and organ damage from repeated oral exposure at high doses.

**FIRST AID:** If swallowed DO NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If spilt on the skin, remove contaminated clothing and was affected areas of skin. DO NOT SCRUB THE SKIN. If concentrate is splashed in the eyes, flush with running water for at least 15 minutes. Seek medical attention.

**PERSONAL PROTECTION:** When handling, wear waterproof gloves, eye protection, overalls and boots. Do not eat, drink or smoke while using. Wash thoroughly after use and before eating.

**ECOTOXIC:** Toxic to aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container. Toxic to the soil environment.

**STORAGE:** Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from foodstuffs.

**SHELF LIFE:** When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

**DISPOSAL:** For containers of 20 litres or less, triple rinse container and add residue to spray tank. Burn in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill. Avoid contamination of any water supply with product or empty container.

**MATERIAL SAFETY DATA SHEET:** Additional information is listed in the Material Safety Data Sheet available from Zelam Ltd or www.zelam.com

**ERMA NEW ZEALAND:** Additional information is available from the ERMA NZ website - www.ermanz.govt.nz. Approval Code: HSR000422.

**NOTICE TO BUYER:** The manufacturer and vendors of **Zelam Activated Amitrole 400** warrant the formulation to contain the specified active ingredient within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.

CROP	RATE	DIRECTIONS FOR USE
<b>ASPARAGUS</b>	8 - 10 litres in 400 litres water/ha	Apply before the first spears emerge or immediately after final cutting. Apply with a suitable residual herbicide. Do not apply during the cutting season or at the fern stage (severe damage may result).
<b>BRUSHWEEDS</b>	Handgun or knapsack: 10ml/litre water Aerial: 25 litres in 200-400 litres of water/ha	Gorse and woolly nightshade - Apply to cover foliage and stems during active growth. Brownout is slow and may take up to 6 months. A follow up spray, crushing or burning may be necessary.
	15 - 20 ml/litre water	Blackberry - Apply to actively growing canes during November - May. Follow up by burning or crushing the canes the following autumn or spring and oversow with pasture species.
<b>FORESTRY</b> - radiata pine	0.3ml/Zelam Activated Amitrole 400 and 1.5 - 2ml Terb 500™ per m <sup>2</sup>	Calibrate the equipment carefully to deliver the required dose in sufficient water to obtain good coverage. Use the higher rate of Terb 500™ if cocksfoot, browntop, californian thistle or seedling gorse are present. Applications can be made 2-3 weeks pre-plant or post-plant. For post-plant, apply before trees begin active spring growth and avoid the growing tip of the tree. Each spot should be a minimum of 2 square metres.
<b>GENERAL WEED CONTROL AND SPECIFIC WEEDS</b>	1 litre/100 litres water	Annual broadleaf weeds/easy to kill grasses - apply as light wetting spray to actively growing weeds.
	2 litres/100 litres water	Harder to kill weeds - Cape Ivy, dock, Mercer grass, periwinkle, phragmites, purua grass, raupo, sheeps sorrel, wandering jew, wild onion. Apply to complete coverage. Repeat applications may be necessary.
	25 litres in 200-300 litres water/ha	Raupo - Aerial treatment - Apply in January - March.
<b>NON-CROPLAND</b> - drains, fencelines, headlands, waste areas	1-2 litres/100 litres water	Apply as a light wetting spray to actively growing weeds. Best results will be obtained from autumn treatment before frosts commence. Residual herbicides may be added to extend the period of control achieved.
<b>PIPFRUIT, KIWI FRUIT, GRAPES, WILLOWS, POPLARS, JAPANESE CEDAR &amp; CASURINA</b>	5 - 10 litres in 400 litres water/ha or 5-10 ml/litre water as a handgun or knapsack application	For the control of a wide range of grasses and broadleaf weeds use lower rates only when weeds are actively growing. Apply as a directed spray around the base of trees and vines avoiding run-off and needless soil contamination. Suitable residual herbicides may be added to extend the period and spectrum of weed control. CAUTION: Do not spray foliage or trunks of trees. Treat grapes and berryfruit when dormant and before bud burst. Apply to pipfruit before fruit set and again after harvest. Do not treat kiwifruit within 9 weeks of harvest. Do not apply around plants less than 3 years old unless local experience has shown it to be safe. Do not use on light sandy soils where root uptake may be a problem.
<b>PRE-CROPPING</b>	Californian thistle - Use 11 litres in 200 - 400 litres water/ha or 1 litre/100 litres of water as a spot treatment and apply to runoff - at least 1000 litres/ha. Couch and Indian doab - In pasture or fallow land prior to cropping, best results are achieved with stimulation of new growth by cultivation to break up the root system of established plants. Allow adequate time between cultivation and treatment for full foliage cover to develop to about 15cm tall. Ensure maximum shoot emergence. Use 12-15 litres in 200-400 litres of water/ha or 2 litres/100 litres of water as a spot treatment and apply to runoff - at least 1000 litres/ha. Use the higher rate for sod-bound couch and Indian doab in heavy soils. Plants must be a soft green colour and actively growing at treatment. Spraying while plants are dormant or under stress will not give satisfactory results. For maximum control, plough 14-21 days after treatment to completely invert the sod and bury all top growth. Surface cultivation can follow but care should be taken to leave the weed roots buried if possible.	

**WITHHOLDING PERIOD:** Do not apply in kiwifruit orchards within 9 weeks of harvest or in pipfruit orchards between bud burst and harvest.

**COMPATIBILITY:** May be tank mixed with paraquat, 2,4-D amine, simazine, atrazine, terbutylazine and most other non selective herbicides.

**RAINFALL:** Rain within 12 hours following treatment may reduce effectiveness.

**DRAINS:** Application to drains, ditches and irrigation channels must only be made when they are dry and at least one month is likely to elapse before the channels carry water.

**APPLICATION:**

Boom spraying - apply to give a complete and uniform spray coverage at a water rate of 200-500 litres of water/ha.

Aerial spraying - use the half overlap opposite pass flying technique and apply 200-400 litres of water/ha.

Spot treatment - using a gun or knapsack apply as a fine droplet to give uniform even coverage.

**WEEDS CONTROLLED:** Many annual and perennial grass and broadleaved weeds are controlled, including some difficult to kill species.

**SURFACTANT:** The addition of a non ionic surfactant such as

Multi-Film™ Extra is recommended for all applications.

**REGISTERED TO:** Tapuae Partnership, Hudson Road, New Plymouth, NZ.

Tel: 06-755-9234 Fax: 06-755-1174

**EMERGENCY PHONE: 0800 CHEMCALL 0800 243 6225**

BATCH NO:
D.O.M:

