

HARMFUL, ECOTOXIC
KEEP OUT OF REACH OF CHILDREN

zelam



Non-selective herbicide for the control of
grasses, broadleaved weeds and clovers

H E R B I C I D E

NET CONTENTS: 5 LITRES

TM Trademark of Tapuae Partnership, NZ.

Registered Pursuant to the ACVM Act 1997, No. P7718. See www.nzfsa.govt.nz/acvm/ for registration conditions

PLEASE READ THE ENTIRE LABEL BEFORE USE

ACTIVE INGREDIENT: Contains 200g/litre glufosinate-ammonium in the form of a Soluble Concentrate

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

DANGER: May cause organ damage from repeated oral exposure at high doses.

WARNING: May be harmful if swallowed, inhaled or absorbed through the skin. May cause skin and eye irritation, avoid contact with skin and eyes. May cause reproductive/developmental damage from repeated oral exposure.

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 wash 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. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped. Seek medical attention.

PERSONAL PROTECTION: When handling, wear waterproof gloves, eye protection, overalls and boots. DO NOT eat, drink or smoke while using. Wash hands and face thoroughly after use and before eating.

ECOTOXIC: Harmful to aquatic life with long-lasting effects. Avoid contamination of any water supply with product or empty container. Very toxic to the soil environment. Not toxic to earthworms. Harmful to terrestrial vertebrates.

STORAGE: Store in original container, tightly closed, away from foodstuffs. Keep out of reach of children. Use spray solutions the same day.

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: Triple rinse containers and add the residue to the spray tank. Dispose of container in an approved landfill or disposal facility. Avoid contamination of any waterway with product or empty container.

MATERIAL SAFETY DATA SHEET: Additional information is listed in the MSDS 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: HSR007813

RECOMMENDED USES:

WEEDS CONTROLLED	RATE	CRITICAL COMMENTS
Annual Poa, pasargass seedlings, beaked hawksbeard, black nightshade, Calandrinia, chickweed, cleavers, clover seedlings, combind, daisy, dandelion, mouse-ear chickweed, musky storksbill, redroot, rough stalked meadow grass, scotch thistle, sow thistle, staggerweed, summer grass, spurry, stinking mayweed, subterranean clover, wild turnip, willow weed and wireweed.	3-5 litres/ha	The lower rates indicated are appropriate when weeds are young, succulent and actively growing, or when the weed population is sparse and good coverage and penetration are possible.
Bristle grass, bur medic, catsear, chevings fescue, clovers, cut leaved Geranium, docks, fleabane, parysley piert, prairie grass, ryegrasses [*] , sheeps sorrel, storksbill, strawberry, twin cress and Yorkshire fog.	5-7.5 litres/ha	Use the higher rates when weeds are mature or the population is dense.
Broom, buttercups [*] , couch, field pansy, crowfoot grass, gorse, hawksbeard, kikuyu grass, mallows, paspalum, tall fescue, wild strawberry, willow herb and yarrow.	7.5-10 litres/ha	
Bracken, meadow rice grass, plantains, rape, rushes, sedges, woolly mullein and Indian doab.	10 litres+ha	

OTHER SITUATIONS

*** RESISTANT WEEDS:** Hairy buttercups, some ryegrass strains.

SITUATION	RATE	DIRECTIONS FOR USE
Berryfruit, raspberries and brambles Primocane control	500-750ml per 100 litres water	Apply through cone nozzles in sufficient water to ensure complete coverage of primocanes. Apply as directed high volume spray to primocanes not exceeding 25cm in length. Avoid drift onto foliage of fruiting canes. Use the high rate on vigorously growing crops. The addition of a non-ionic surfactant is recommended. "Knockdown" takes approximately 10 days. Do not apply to plants before the first primocanes for the season have reached 15cm in length. Do not apply to plants under stress.
Non-selective weed control Non-crop land	7.5-10 litres in 300-500 litres of water/ha or 100ml/10L knapsack	Apply as a drenching spray to just before run-off. Residual herbicides may be added for long term weed control.
Orchards, vineyards, citrus, grapes, kiwifruit, pipfruit and fruit trees	Use a rate appropriate to the weeds present.	If the dilution rate is less than 1 litre/100 litres of water add Multi-Film Extra™ at label rates. Apply in spring when the majority of weeds have germinated. Residual herbicides may be applied in mixture for longer term weed control. Avoid contact with foliage and immature bark of desirable plants.
Stale seedbed - Particularly where clover is a problem	3-5 litres in 200-300 litres of water/ha	Apply to seedling weeds and clover to achieve complete coverage. May be applied up to 1 day before crop emergence.

Mode of Action: A primarily contact herbicide which is taken in to the plant via the foliage and green stems and is not translocated. There is no action via the roots and no soil residual effect. Optimum activity is obtained under warm conditions favourable for active plant growth - 10°C+. VICE disrupts ammonium metabolism in the plant shortly after application resulting in an accumulation of ammonium in plant cells and the inhibition of photosynthesis. Light and warm temperatures accelerate the rate of action. Early symptoms of pale yellow progress to wilting and death within 1-2 weeks. Drift: Apply this product carefully. Spray drift may cause serious damage to other desirable plants. It is an offence under the Pesticides Regulations to use this product in a manner that results in damage outside the treated property. Crop: Avoid contact with green parts of desirable plants including immature bark as damage may occur. Do not spray in temperatures below 10°C. Do not mow or cultivate after treatment until weeds begin to die off.

Withholding period: 28 days all crops. Rainfall: VICE requires at least 6 hours drying to be fully effective.

Surfactant: Add Multi-Film Extra™ surfactant at label recommended rates when treating primocanes and when the dilution rate of VICE is less than 1 litre per 100 litres of water. Compatibility: May be tank mixed with most commonly used residual herbicides.

Application: Apply with equipment capable of achieving complete coverage of target plants. Use sufficient pressure to penetrate the weed mass. **Sprayer Clean-up:** To avoid injury to subsequently sprayed sensitive crops, flush sprayer with several rinses of clean water after use.

NOTICE TO BUYER: The manufacturer and vendors of VICE 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.

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D.O.M:

