

WARNING

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

MILLENNIUM[®]

220216

HERBICIDE

ACTIVE INGREDIENT: 360 g/litre clethodim in the form of an emulsifiable concentrate

A selective post-emergent herbicide for grass weed control in broadleaf crops, orchards, vineyards, fodder and sugar beet, and forestry

NET CONTENTS: 5 LITRES

Approved pursuant to the HSNO Act 1996, No. HSR100646. See www.epa.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, No. P009645. See www.foodsafety.govt.nz for registration conditions.

©Registered Trademark of Lonza NZ Limited

Lonza

PLEASE READ THE ENTIRE LABEL BEFORE MIXING OR USE. SHAKE WELL BEFORE USE



HSNO CLASSIFICATION: 3.1D, 6.1E, 6.3A, 6.4A, 6.9B, 9.1B, 9.2A, 9.3C

QUALIFICATION REQUIREMENTS: Persons mixing, loading, applying, or otherwise handling this product must meet qualification requirements as set out in the current EPA Hazardous Substances (Hazardous Property Controls) Notice.

RECORD KEEPING: Records of use must be kept in accordance with the current Health and Safety at Work (Hazardous Substances) Regulations.

COMBUSTIBLE LIQUID: Keep away from flames and hot surfaces. No smoking.

TOXIC: May be harmful if swallowed. Causes skin irritation. Causes eye irritation. May cause damage to organs (liver) through prolonged or repeated 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 ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice /attention. Take off contaminated clothing and wash before re-sue. IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take to hospital without delay. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.

PERSONAL PROTECTION: Avoid skin and eye contact and inhalation of spray mist. When mixing or applying wear eye protection, chemically resistant gloves and boots, and overalls. Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke when using this product.

ECOTOXIC: Toxic to aquatic life with long lasting effects. Avoid contamination of any water supply with product or empty container. Very toxic to some plant species. Very toxic to the soil environment. Harmful to terrestrial vertebrates. Do not allow drift to occur outside the target area. Avoid release to the environment.

HANDLING PRECAUTIONS

TRANSPORT: Do not carry more than 1 litre of Millennium on a passenger service vehicle.

STORAGE: Keep out of reach of children. Store in original container tightly closed and in a locked, dry, cool, well ventilated area away from sources of ignition and foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals.

DISPOSAL: Triple rinse empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Otherwise crush and bury in a suitable landfill. Dispose of product only by using according to the label, or at an approved disposal facility. Do not burn.

SPILLAGE: Wear appropriate protective clothing. Exclude all bystanders from the vicinity of the spill, and prevent material from entering waterways. Contain liquid spills and absorb with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

DIRECTIONS FOR USE

For best results apply to young actively growing grass weeds. Do not apply to plants under stress from drought or waterlogging. Use the lower rate on seedling grass weeds (2–5 leaf) or actively regenerating rhizomes, and the higher rate on tillering plants or hardy rhizomatous grasses.

On established sod-bound rhizomatous grasses and established turf ryegrass in non-cultivated crops, suppression only may be obtained.

On crops which have been grazed, remove stock and allow grasses to freshen up for a few days (5–10cm new growth) before treating. To minimise any possible crop damage, avoid spray overlaps. Millennium is considered to be rain fast if applied at least one hour before rainfall.

Always add Hasten® or an emulsifiable crop mineral oil at 2.0 litres/ha with all applications.

| CROP | CRITICAL COMMENTS |
|---|--|
| White clover seed | Apply after closing up, to control annual and perennial ryegrass and other grass weeds. |
| Legume feeds (e.g. lucerne, lupins, clover, lotus, trefoil) | To control annual and perennial ryegrass and other grass weeds. |
| Fodder brassicas | Apply when grass seedlings are small (typically 3–6 weeks after planting) and well before canopy closure. |
| Fodder beet, sugar beet | For best results apply when grass seedlings are small (typically 6-8 weeks after planting) and before canopy closure. May be tank mixed with Beatrix®. Do not apply in tank mixture with other herbicides, fungicides or insecticides unless crop safety is known. Ensure thorough cultivation prior to sowing and do not use more than 1.3 L/ha |
| Forage herbs (e.g. plantain, chicory) | To control annual and perennial ryegrass and other grass weeds. Do not apply Millennium to plantain seed crops after flower heads are first visible in the base of the plants. |
| Orchards and vineyards | To control actively growing grass weeds. Apply as a directed spray to the base of the trees/vines to avoid fruit contact. |
| Vegetables | To control actively growing grass weeds. Do not apply more than 670 ml/ha. Crop safety has been demonstrated on onions, carrots and lettuce. Where crop safety is unknown, a small area should be treated before widespread application. NB: Asparagus – DO NOT apply during the cutting period. |
| Peas, lentils, oilseed rape | To control wild oats. Apply 170 ml/ha when the majority of oats are in the 2–5 leaf growth stage. A temporary effect on leaf colour and sheen may occur in peas. This does not affect crop vigour or yield. |
| Forestry (Radiata pine, Macrocarpa, Douglas fir) | Do not exceed 670 ml/ha. Tree release – Spot treatment: Use 23ml Millennium plus 100ml emulsifiable crop oil per ten litres of water. Apply 20ml spray solution per square metre. To control broadleaf weeds and for residual control, apply in combination with Terb 500 at recommended label rates. |

| GRASSES CONTROLLED AND RECOMMENDED USE RATES | |
|--|------------------|
| Grass Species | Rates /ha |
| Wild oats, annual and perennial ryegrass, cocksfoot, barnyard grass, summergrass, floating sweet grass, canary grass, bristle grass, volunteer cereals. Note: Turf ryegrasses and tillered cereals will only be suppressed at these rates. | 170 – 330 ml |
| Annual poa, smooth witchgrass, soft brome, phalaris, tall fescue, prairie grass, rigput brome, browntop, barley grass. Chewings fescue, Yorkshire fog and hairgrass will be suppressed but not controlled at these rates. | 330 – 670 ml |
| Couch, paspalum, Indian doab. | 1.3 – 2.0 litres |
| Hairgrass | 2.0 litres |

Mixing: Half fill the spray tank and with the agitator operating and add the correct volume of Millennium. Add the remainder of the water, then add the adjuvant and agitate thoroughly before using. After standing, agitate spray solution well before resuming.

Compatibility: Millennium is compatible with Terb 500®, clopyralid, Beatrix®, and Pycus®. Do not apply in combination with other herbicides unless experience shows that efficacy is not affected. Do not apply within 7 days of phenoxy herbicides.

Equipment: Apply using well maintained spray equipment that is accurately calibrated to apply 100–400 litres of water per hectare. Use nozzles and pressures that produce a droplet size of 150–300 microns VMD. Use the high water rate for dense grass infestations. Clean equipment thoroughly after use.

Resistance Management: GROUP 1 HERBICIDE

Millennium contains a herbicide from the cyclohexanedione group and has the inhibition of acetyl coA carboxylase mode of action. Some naturally-occurring weed biotypes resistant to Millennium and other Group 1 Herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by Millennium or other Group 1 Herbicides. See <https://resistance.nzpps.org/> for more information.

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 PERIOD Vegetable crops – 5 weeks.

Grapes – Do not apply after Fruitset.

Stock Grazing WHPs:

Legume crops, forage herbs, fodder brassicas – 3 weeks.

Fodder beet and sugar beet – 9 weeks.

Slaughter Intervals:

Leaf plucking in vineyards: After being removed from the vineyard, Sheep must be placed on clean feed and not be sent for slaughter or milked for 2 months.

Postharvest grazing: Livestock that have been grazing in orchards or vineyards should be placed on clean feed for 7 days prior to slaughter or collection of milk for human consumption.

Terb500®, Pycus®, Beatrix® are registered trademarks of Lonza NZ Limited

Hasten® is a registered trademark of BASF

D.O.M:

BATCH NO:



NOTICE TO BUYER - CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER

The manufacturer and vendors of Millennium 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.

REGISTERED TO: Lonza NZ Limited, Hudson Rd,

New Plymouth, New Zealand.

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

EMERGENCY PHONE: 0800 CHEMCALL 0800 243 622

220216