

**CORROSIVE, ECOTOXIC, FLAMMABLE.**  
**Keep out of reach of children.**

Arysta

**Centurion<sup>®</sup> Plus**  
**Herbicide**

**Active ingredient:**

**120g/litre clethodim in the form of an emulsifiable concentrate**

**A selective post-emergent herbicide for grass weed control  
in broadleaf crops and forestry.**

**READ LABEL LEAFLET COMPLETELY BEFORE MIXING OR APPLYING**

**Net: 5 Litre**



Distributed by Zelam Limited  
Hudson Road New Plymouth NEW ZEALAND



Arysta LifeScience

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**HAZARD CLASSIFICATION:**

3.1D, 6.3A, 6.9B, 8.3A, 9.1C, 9.2A

**APPROVED HANDLER**

This product must be under the control of an approved handler during use. This product must not be used for any purpose, or in any manner, contrary to this label unless authorized under appropriate legislation.

**Record Keeping:** Records of use as described in NZS 8409 Management of Agrichemicals, must be kept if using 3 litres or more of Centurion Plus within 24 hours – see MSDS for details.

**FLAMMABLE**

Flammable liquid, keep away from naked flame.

**TOXIC/CORROSIVE**

May cause skin and eye irritation. May cause liver damage from repeated oral exposure at high doses.

**ECOTOXIC**

Harmful to aquatic plants. Avoid contamination of any water supply with product or empty container. Very toxic to some plant species. DO NOT allow drift to occur outside the target area.

**HANDLING PRECAUTIONS**

**STORAGE**

Keep out of reach of children. DO NOT store near heat or flame. Store in original container tightly closed and in a locked, dry, cool area away from sources of ignition and foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100 litres are subject to signage, 1000 litres of Centurion Plus require secondary containment and more than 1000 litres require emergency response plans. Stores containing 500 litres of Centurion Plus must have at least 2 fire extinguishers.

**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.

**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 micrometres VMD. Use the high water rate for dense grass infestations. Clean equipment thoroughly after use.

**DISPOSAL**

Triple rinse empty container and add rinsate to the spray tank. If recycling, replace cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in a suitable landfill.

**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 skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water.

**Spillage:** Extinguish all ignition sources, exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing. Absorb spills 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.

**Transport:** DO NOT carry more than 1 litre of Centurion Plus on a passenger service vehicle.

**Mixing and Compatibility:** Half fill the spray tank and with the agitator operating add the Centurion Plus. Add the remainder of the water and agitate thoroughly before using. After standing, agitate spray solution well before reusing. Compatible with Terb 500®, Tango® and Radiate®. 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.

**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.

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand Food Standards.**

**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. Centurion Plus is considered to be rainfast if applied at least one hour before rainfall.

Crop	Critical Comments
White clover seed	Apply after closing up, to control annual and perennial ryegrass.
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.
Forage herbs (e.g. plantain, chicory)	To control annual and perennial ryegrass and other grass weeds. DO NOT apply Centurion Plus to plantain seed crops after flower heads are first visible in the base of the plants.
Orchards	To control actively growing grass weeds. Apply as a directed spray to the base of the trees to avoid fruit contact.
Vegetables	To control actively growing grass weeds. DO NOT apply more than 2L/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 0.5L/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 2L/ha. Tree release – Spot treatment: Use 7ml Centurion Plus per litre 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 (Litres/ha)
Wild oats, annual and perennial ryegrass, cocksfoot, banyard grass, summergrass, floating sweet grass, canary grass, bristle grass, volunteer cereals (NB. Turf ryegrasses and tillered cereals will only be suppressed at these rates.)	0.5–1.0
Annual poa, smooth witchgrass, soft brome, phalaris, tall fescue, prairie grass, riggut brome, brown top, barley grass. NB: Chewings fescue, Yorkshire fog and hairgrass will be suppressed but not controlled at these rates.	1.0–2.0

**WITHHOLDING PERIOD:** Vegetable crops – 5 weeks. Legume crops, forage herbs and fodder brassica crops – 3 weeks.

**MATERIAL SAFETY DATA SHEET:** Additional information is listed in the MSDS available from Zelam Ltd or [www.zelam.com](http://www.zelam.com).

Registered pursuant to the ACVM Act 1997, No. P5650.

See [www.nzfsa.govt.nz/acvm/](http://www.nzfsa.govt.nz/acvm/) for registration conditions. Approved pursuant to the HSNO Act 1996, Approval Code HSR000660.

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

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®Terb 500 and Tango are registered trademarks of the Tapuae Partnership

®Radiate is registered trademark of Dow AgroSciences

**NOTICE TO BUYER :**

**CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER**

The manufacturer and vendors of Centurion Plus 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.

Distributed by:

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