

WARNING, ECOTOXIC, COMBUSTIBLE LIQUID
Keep out of reach of children

Centurion[®] Xtra

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 and forestry.

READ LABEL LEAFLET COMPLETELY BEFORE MIXING OR APPLYING



Distributed by Zelam Ltd
Hudson Rd, New Plymouth, NZ Tel: 06 755 9234



Arysta LifeScience

130523-5F

Centurion[®] Xtra
PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATION: 3.1D, 6.1E (oral), 6.1E (aspiration hazard), 6.3A, 6.4A, 6.9B, 9.1B, 9.2A, 9.3C

APPROVED HANDLER: This product must be under the control of an approved handler during use.
(a) applied in a wide dispersive manner; or
(b) used by a commercial contractor."

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

COMBUSTIBLE LIQUID
Keep away from flames and hot surfaces.

TOXIC
May cause skin, eye and respiratory irritation. May be harmful if swallowed, inhaled or absorbed through skin. May cause liver damage from repeated oral exposure at high doses.

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.

HANDLING PRECAUTIONS
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.

PERSONAL PROTECTION: Avoid skin and eye contact. Do not inhale 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.

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 landfill. Do not burn.

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 skin, remove contaminated clothing and wash affected areas of skin. DO NOT SCRUB THE SKIN. If concentrate is splashed in eyes flush with running water for at least 15 minutes. Take to hospital without delay. If inhaled, remove to fresh air. If breathing is difficult, take to hospital without delay.

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 Xtra on a passenger service vehicle.
Record Keeping: Records of use as described in NZS 8409 Management of Agrichemicals, must be kept if using 3 litres or more of Centurion Xtra within 24 hours.
Registered pursuant to the ACVM Act 1997, No. P008655
See www.foodsafety.govt.nz for registration conditions.

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 Xtra is considered to be rainfast if applied at least one hour before rainfall.
Always add 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.
Forage herbs (e.g. plantain, chicory)	To control annual and perennial ryegrass and other grass weeds. Do not apply Centurion Xtra 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 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 Centurion Xtra 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, rippgut brome, browntop, barley grass. Note: 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

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

Compatibility: Centurion Xtra is compatible with Terb 500[®], clopyralid 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 A HERBICIDE

Centurion Xtra 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 Centurion Xtra and other Group A 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 Centurion Xtra or other Group A Herbicides. See www.nzpps.org for more information.

It is an offence for users of this product to cause residues exceeding the relevant MRL in New Zealand (Maximum residue Limits of Agricultural compounds) Food standards.

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

Approved pursuant to the HSNO Act 1996, Approval Code HSR100646
See www.epa.govt.nz for approval controls.

© Centurion is a registered trademark of Arysta LifeScience Corporation,
Terb 500 and Pycus are registered trademarks of the Tapuae Partnership

NOTICE TO BUYER :
CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER
The manufacturer and vendors of Centurion Xtra 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: Zelam Limited
Hudson Road, New Plymouth 4341 NZ
Telephone 6-755 9234 Fax 6-755 1174
www.zelam.com

EMERGENCY PHONE:
0800 CHEMCALL – 0800 243 6225

D.O.M.:
Batch No:

