

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, orchards, vineyards, fodder and sugar beet, and forestry.

READ THE ATTACHED LABEL BEFORE USE

GROUP	A	HERBICIDE
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Registered pursuant to the ACVM Act 1997, No. P008655
See www.foodsafety.govt.nz for registration conditions.

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

Distributed by Etec Crop Solutions, an
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 **Arysta**
LifeScience

PLEASE READ THE LABEL COMPLETELY BEFORE USE

This product MUST NOT be used for any purpose or in any manner contrary to the controls and conditions of this registration. This product MUST be under the control of an Approved Handler.



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

WARNING

Combustible liquid.

May be harmful if swallowed.

Causes skin and eye irritation.

May cause liver damage from repeated oral exposure at high doses.

Toxic to aquatic organisms with long lasting effects.

Very toxic to the soil environment.

Harmful to terrestrial vertebrates.

PRECAUTIONS

Keep away from flames and hot surfaces.

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.

Application, storage and record keeping should be as described in the Management of Agrichemicals NZS8409.

Do not allow drift to occur outside the target area.

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.

SPILLS AND DISPOSAL

When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Contain the spill by damming, recover spilt product by absorbing with sawdust or an inert absorbent material then transfer the recovered spilt material to a properly labelled drum. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

Disposal: Dispose of this product only by using according to the label or at an approved landfill. Avoid contamination of any water supply with product or empty container.

Container Disposal: Triple rinse empty container and add rinsate into the spray tank. If recycling, discard cap and deliver clean container to an AgRecovery depot. Otherwise crush and bury in an approved 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 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.

Transport

Do not carry more than 1 litre of CENTURION® XTRA on a passenger service vehicle.

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 (5-10 cm new growth) before treating. To minimise any possible crop damage, avoid spray overlaps and apply during cool conditions in the morning or evening, especially when tank mixing with other agrichemicals. 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.
Fodder beet, sugar beet	For best results apply when grass seedlings are small (typically 6-8 weeks after planting) and before canopy closure. 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 CENTURION XTRA 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 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 23 ml CENTURION XTRA plus 100 ml emulsifiable crop oil per ten litres of water. Apply 20 ml 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, ripgut 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 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 using.

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 the Food Notice: Maximum Residue Levels for Agricultural Compounds.

WITHHOLDING PERIOD**Vegetable crops – 5 weeks.****Grapes – Do not apply after the start of flowering.****GRAZING and STOCK FEED HARVEST WITHHOLDING PERIODS: Legume crops, forage herbs, fodder brassicas– 3 weeks. Fodder beet and sugar beet – 9 weeks.**

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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.

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

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