

**DANGER**

KEEP OUT OF REACH OF CHILDREN  
READ LABEL BEFORE USE

# Cycocel<sup>®</sup> 750

Contains 750 g/litre chlormequat-chloride in the form of a soluble concentrate

Plant growth regulator for application to barley, wheat, oats  
and perennial ryegrass seed crops.

Contents: 20L

Registered to and distributed by:

**BASF New Zealand Limited**

NZBN 9429032151299

P.O. Box 407, Auckland 1140

Phone: 0800 932 273

[crop-solutions.basf.co.nz](http://crop-solutions.basf.co.nz)





## DANGER

Harmful if swallowed. Toxic in contact with skin. May cause damage to liver through prolonged or repeated exposure. May be corrosive to metals. Hazardous to terrestrial vertebrates.

## PRECAUTIONS

**This substance is restricted to use in the workplace only.**

**HANDLING:** The person mixing or applying this product must be a qualified contractor or qualified person. Any person mixing, loading or handling this product must be a qualified loader. To avoid risks to man and the environment, comply with instructions for use.

**STORAGE:** Keep only in original packaging. Store locked up. Store in original container, tightly closed, away from food and animal feedstuffs. Keep away from heat and protect from direct sunlight. Store in a frost-free store and protect from temperatures above 35 °C. Stores containing more than 1000 litres of this product require emergency response plans and secondary containment systems and more than 1000L are subject to signage.

**TRANSPORT:** DO NOT carry more than one litre of this product on a passenger service vehicle.

**SPILLAGE:** Prevent further spillage and product from entering waterways. Wear overalls, gloves, footwear and goggles. Absorb spillage with an inert absorbent material (e.g. vermiculite) to prevent material damage and place in sealable container labelled for disposal. Wash affected area with water and detergent. Absorb and collect washings and place in the same sealable container as the spilled material. Dispose of the waste safely in suitable landfill.

**PERSONAL PROTECTION:** When mixing and preparing spray, wear protective clothing such as, cotton overalls buttoned to the neck and wrist, a washable hat, protective gloves, and eye protection / goggles or a face shield.

**GENERAL SAFETY AND HYGIENE MEASURES:** Avoid contact with eyes and skin and DO NOT breathe spray mist. Wash splashes of concentrate from skin immediately. DO NOT eat, drink or smoke while using this product. Remove protective clothing and wash hands and exposed skin thoroughly with soap and water before meals, after work and after handling. Wash protective gloves/clothing immediately after use. Store work clothing separately.

**USE AND ENVIRONMENTAL PROTECTION:** DO NOT mix or store in aluminium containers or use in aluminium equipment. Remove stock from treated areas and observe withholding periods. Apply with well-maintained and accurately calibrated equipment. DO NOT allow spray drift outside the target area to occur. DO NOT apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Clean out application equipment thoroughly after use. DO NOT contaminate water when disposing of equipment wash waters. Harmful to terrestrial vertebrates.

**RECORD KEEPING:** Records of use must be kept.

**NOTE:** Storage, application and record keeping must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

**DISPOSAL:** Container: Triple rinse empty container and add residue to the spray tank. Recycle through Agrecovery (0800 247 326, [www.agrecovery.co.nz](http://www.agrecovery.co.nz)). Product: Dispose of this product preferably by using according to the label or at an approved landfill. DO NOT burn product. DO NOT contaminate water with chemical or empty container. DO NOT reuse the container for any other purpose.



### FIRST AID

If medical advice is needed, have the product container or label at hand. IF SWALLOWED: Call the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Take off immediately all contaminated clothing and wash before reuse. Get medical advice if you feel unwell. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor.

### CONDITIONS OF SUPPLY

Read conditions of supply before buying and using. If these conditions are unacceptable, return at once unopened. All goods supplied by BASF New Zealand Limited are of a high grade and conform to the chemical description of the label. However, to the extent permitted by law, neither BASF nor any of its Distributors accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with the supply of those goods including without limitation their storage, application, handling or use. BASF New Zealand Limited nor any of its Distributors, make no warranties of any kind, express or implied, with respect to fitness for purpose (including crop injury, ineffectiveness or any other unintended consequence), merchantable quality or any other matter with respect to these goods. When you are a consumer as defined in the Consumer Guarantees Act 1993 (the "Act") these conditions will be subject to the provisions of the Act. However, the Act will not apply to goods supplied to you for business purposes.

Registered pursuant to the ACVM Act 1997, No. P001493

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSNO Act 1996, Code HSR000758

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

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### EMERGENCY PHONELINK

24 Hour Advice in an Emergency Only

**0800 944 955**



IIIIII BAR CODE IIIIII



## GENERAL INFORMATION

CYCOCEL 750 is a plant growth regulator that is taken up mainly through the green parts of plants. The principal effect of CYCOCEL 750 is to inhibit cell elongation at the growing point of treated plants. Energy normally directed to the growing point is redirected causing modification to growth habit. Responses vary according to species, rate of use, and timing. Timing is critical for optimum results.

**Cereals:** CYCOCEL 750 stimulates root development, reduces stem length, and causes the stem wall to thicken. Also, primary tiller development is slowed down and secondary tiller development stimulated.

Advantages of treatment:

- (1) Improved resistance to lodging and stem break. Height reduction may vary according to cultivar treated.
- (2) Improved resistance to drought.
- (3) Improved resistance to Eyespot damage.
- (4) More even head height, which reduces the volume of straw required to be passing through the combine at harvest.
- (5) Fertiliser inputs can be aimed at optimum yield rather than limited to avoid lodging.
- (6) CYCOCEL 750 may be used on crops undersown with grasses and clovers.

**Perennial Ryegrass Seed Crops:** CYCOCEL 750 appears to synchronise tiller growth and development and to increase tiller survival. Crop height is not reduced and treatment does not prevent lodging.

Advantage of treatment: Improved yield of seed.

## DIRECTIONS FOR USE

Crop	Rate	Growth Stage	Remarks
Barley (Autumn and Spring sown)	1.0–2.0 litres in *200–350 litres of water per hectare.	Zadok's GS 30–32 (Just prior to first node and before second node just visible).	For optimum results CYCOCEL 750 should be used in a tank mix with an approved trinexapac-ethyl formulation followed by Terpal at GS 37-49. Alternatively, CYCOCEL 750 may be applied on its own, followed by Terpal at GS 37-49.
Wheat (Autumn and Spring sown)	1.0–2.0 litres in *200–350 litres of water per hectare.	Zadok's GS 30–32 (Just prior to first node and before second node just visible).	Use high rates on crops growing on heavy soils, and on crops where maximum protection against eyespot and lodging are required. Lower rate may be used to promote drought resistance or as a management tool associated with higher nitrogen levels and seeding rates.
Oats	1.0–2.0 litres in *200–350 litres of water per hectare.	Zadok's GS 32 (Second node just visible).	Use the high rate on crops growing on heavy soils and crops with a high risk of lodging.



Perennial Ryegrass Seed Crops	4.0 litres in *200–350 litres of water per hectare	Apply immediately, when first swelling at the base of stem is detectible (Double Ridge stage).  (Early to mid September most seasons and districts).	To promote seed yield increases by synchronising tiller growth and development and increasing tiller survival.  This treatment will <b>not</b> provide lodging protection.
<p>REMOVE STOCK BEFORE TREATMENT OF CROP. DO NOT GRAZE FOR 42 DAYS AFTER TREATMENT. DO NOT apply more than once per season.</p>			

**Notes:**

\*Water rates may be reduced to 25–60 litres/hectare for aerial application.  
The addition of a suitable non-ionic surfactant is recommended when CYCOCEL 750 is applied on its own.

**Withholding Period:**

**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.**

Barley, wheat, oats, and ryegrass: DO NOT graze for 42 days after treatment.

**Compatibility:**

CYCOCEL 750 is compatible with a wide range of insecticides, fungicides, trinexapac-ethyl based plant growth regulators, and foliar fertilisers. Mixtures with herbicides are not recommended. Where untried tank mixtures are contemplated, particularly where newer products and cultivars are involved, testing on a small scale is advised before general use. When in doubt, use CYCOCEL 750 alone. When mixing with foliar fertilisers, CYCOCEL 750 should be added to the tank first.

**Timing:**

For optimum results, CYCOCEL 750 **must be** applied at the correct growth stage of the crop. Care should be taken when applying in mixtures that the time of application for CYCOCEL 750 is not compromised.

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