












# Cycocel<sup>®</sup> 750

## Plant Growth Regulator

### Cycocel 750: Quick Fire Fact Sheet

	<p><b>Why use Cycocel 750?</b></p>		<p><b>Barley, wheat &amp; oats</b></p> <ul style="list-style-type: none"> <li>Improved resistance to             <ul style="list-style-type: none"> <li>- Lodging and stem break</li> <li>- Drought</li> <li>- Eyespot damage</li> </ul> </li> <li>More even head height (reduces straw volume through combine)</li> <li>Fertiliser inputs target optimum yield rather than limited to avoid lodging</li> </ul> <p><b>Perennial ryegrass seed crops</b></p> <ul style="list-style-type: none"> <li>Synchronise tiller growth and development and to increase tiller survival (improved yield)</li> </ul>
	<p><b>Crop used in?</b></p>		<p>Barley, wheat, oats and perennial ryegrass seed crops</p>
	<p><b>Product type?</b></p>		<p>Plant growth regulator</p>
	<p><b>Active ingredient/formulation?</b></p>		<p>750 g/L chlormequat-chloride (soluble concentrate)</p>
	<p><b>What does it do?</b></p>		<ul style="list-style-type: none"> <li>Reduces the effects of plant hormones that stimulate stem elongation and apical dominance. This leads to:             <ul style="list-style-type: none"> <li>- Height reductions, stem strengthening, increased tiller productivity (Responses vary according to species, rate of use and timing. Timing is critical for optimum results)</li> </ul> </li> </ul>

## Application rates?

	Crops	Rates	Growth Stage	Remarks
	<b>Barley</b>	1-2 L/ha in *200-350 L of water per ha	Zadok's GS 30-32 (First node clearly visible and before second node just visible).	Optimum results: Use in tank mix with an approved trinexapac-ethyl formulation and follow with Terpal <sup>®</sup> at GS 37-49. Alternatively, Cycocel 750 may be applied on its own, followed by Terpal at GS 37-49.
	<b>Oats</b>	1-2 L/ha in *200-350 L of water/ha	Zadok's GS 32 (Second node just visible)	Use higher rate on crops: <ul style="list-style-type: none"> <li>- Growing on heavy soils</li> <li>- Higher risks of lodging</li> </ul>
	<b>Perennial ryegrass seed crops</b>	4 L/ha in *200-350 L of water/ha	Apply immediately when first swelling at the base of stem detectible (Double ridge stage). Early to mid-September most seasons and districts	Promote seed yield increases by synchronizing tiller growth and development and increasing tiller survival. This treatment will not provide lodging protection
	<b>Wheat - Autumn &amp; Spring</b>	1-2 L/ha in *200-350 L of water/ha	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 were 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.

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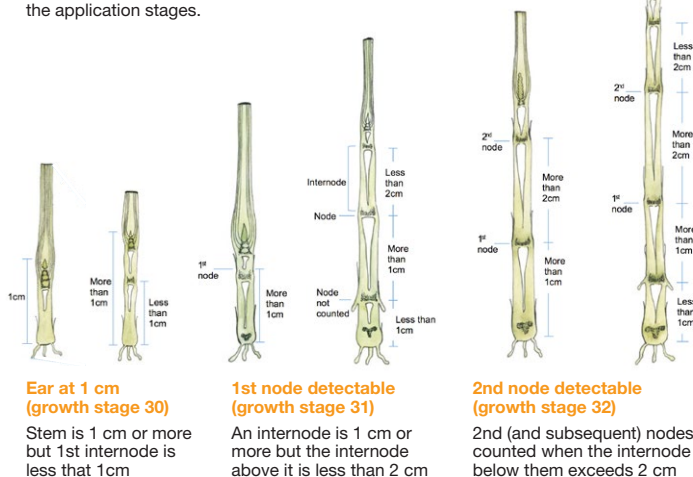
**BASF**

We create chemistry

<b>Q</b>	Pack size?	<b>A</b>	10 L (Agrecovery <sup>®</sup> friendly)
<b>Q</b>	Adjuvant?	<b>A</b>	Non-ionic surfactant recommended (when applied on own)
<b>Q</b>	Rainfastness?	<b>A</b>	Allow 4-6 hours
<b>Q</b>	*Aerial application?	<b>A</b>	Can be applied by air (water rates of 25-60 L/ha)
<b>Q</b>	Withholding period?	<b>A</b>	<ul style="list-style-type: none"> <li>Remove stock before treatment of crop</li> <li>Do NOT graze for 42 days after treatment</li> </ul>
<b>Q</b>	Compatibility?	<b>A</b>	<ul style="list-style-type: none"> <li>Compatibly with wide range of insecticides, fungicides and foliar fertilisers</li> <li>Where untried tank mixtures are contemplated (new products and cultivars) testing on a small scale is advised before general use</li> <li>In doubt use alone</li> <li>When mixing with foliar fertilisers, Cycocel 750 should be added to tank first</li> </ul>
<b>Q</b>	Application timings for different crops?	<b>A</b>	<p><b>Barley:</b> GS 30-32  <b>Oats:</b> GS 32  <b>Wheat:</b> GS 30-32  <b>Ryegrass:</b> Double ridge stage</p>

## Correct Cycocel 750 timing in cereals

**Cereal Stem Elongation** Cereal shoots, split to illustrate the application stages.



## Optimum timing for PGR responses from Cycocel 750

