

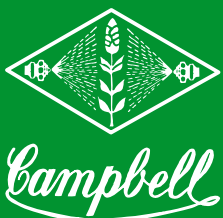


***120g/L Trinexepac-Ethyl***

***120ME - Micro-emulsion formulation***

**Features of Shadow**

- Inhibits vertical shoot growth.
- Aids in producing healthy turfgrass colour and root mass development.
- Helps turf withstand heat seasonal summer stresses with, drought heat and lack of sunlight issues.
- Micro-emulsion formulation that is petroleum solvent free and tank mix flexible.
- Rainfast in 3 hours.
- Increases quality of final cut, particularly in high maintenance situations.
- Reduced clippings for efficient mowing and reduction in waste.
- Registered for a very broad range of turf species
- The Shadow formulation has been used extensively in Australia, USA & Canada



**COLIN CAMPBELL (CHEMICALS) PTY LTD**

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<b>Product Name:</b>	<b>Shadow® Ultra</b>
<b>Product Type:</b>	<b>Plant Growth Regulator</b>
<b>Active Constituent:</b>	<b>120g/L Trinexapac-Ethyl</b>
<b>Resistance group:</b>	<b>N/A</b>
<b>Formulation:</b>	<b>micro-emulsion</b>
<b>Pack Size:</b>	<b>5L (4 x 5L per carton)</b>

<b>TURF LABEL EXTRACT</b>				
<b>Situation</b>	<b>Grasses</b>	<b>Rate</b>		<b>Critical Comments</b>
		<b>Per ha</b>	<b>Per 100m<sup>2</sup></b>	
Golf course and bowling greens	Bentgrass	1 to 2L	10 to 20mL	Apply Shadow Ultra at least 6 hours before or after mowing and when turf is actively growing. Use the lower rates on turf with moderate growth rates where a lower level of growth regulation is required, or when used in a program. Apply rates towards the highest end of the rate range when growth is vigorous or when longer periods of 4 to 6 weeks regulation are required. Application made to turf growing under cool conditions or to turf with low nutrient levels or where growth rates are low may result in discolouration. Well maintained turf surfaces are those which receive at least weekly mowing and good levels of water and fertility are maintained. Refer to Application section for detailed information.
	HybridCouch	0.15 to 0.6 L	1.5 to 6mL	
Golf course fairways	Carpet Grass, Kikuyu	1.6 to 4 L	16 to 40 mL	
	Common Couch	0.8 to 1.6 L	8 to 16mL	
	Couch varieties Greenless Park, Santa Ana, Wintergreen	0.6 to 1.2 L	6 to 12 mL	
	Fescue, Perennial Ryegrass	1.6 to 3 L	16 to 30 mL	
Golf course short roughs, well maintained lawns, general turf surfaces	Bahia Grass, Bent Grass, Fescue, Perennial Ryegrass	2 to 4L	20 to 40mL	
	Buffalo Grass, Common Couch, Hybrid Couch	1 to 2L	10 to 20mL	
	Kikuyu	1.6 to 6L	16 to 60mL	
Golf courses long roughs, parks, ovals, lawns, general grassed areas	Bent Grass, Fescue, Perennial Ryegrass	2 to 6L	20 to 60mL	
	Buffalo Grass, Common Couch, Hybrid Couch	1 to 4L	10 to 40mL	
	Kikuyu	2 to 8L	20 to 80mL	
Bunker facing, path and garden edging, Footpath and curbside edging, Fence lines, around trees	Bent grass, Common Couch, Perennial Ryegrass	4 to 6 L	40 to 60 mL	Apply Shadow Ultra at least 6 hours before or after mowing and when turf is actively growing. On difficult to mow areas apply Shadow Ultra to actively growing turf and mow 3 to 4 days after application. Apply in a strip approximately 25 to 50 cm wide. Use the lower rates of Shadow Ultra around bunker edges and the higher rates in the other situations. Application made to turf growing under cool conditions or to turf with low nutrient levels or where growth rates are low may result in discolouration.
	Buffalo Grass	4L	40mL	
	Couch varieties Greenless Park, Santa Ana, Wintergreen			
	Kikuyu	6 to 8L	60 to 80 mL	

<b>Winter grass (<i>Poa annua</i>) Management</b>				
Golf course fairways, Golf course greens	Wintergrass ( <i>Poa annua</i> )	0.4-1L	4 to 10mL	See instructions under Winter Grass ( <i>Poa annua</i> ) Management for reduction of <i>Poa annua</i> swards in Bent Grass golf greens. See Golf course greens section above for application recommendations.
<b>Bahia grass (<i>Paspalum notatum</i>) Suppression and Seedhead Control</b>				
		Per ha	Per 100m <sup>2</sup>	Critical Comments
Common couch, Durban Grass, Hybrid Couch, Qld Blue Couch, Zoysia only In golf courses long roughs, lawns, median strips, ovals, parks, road-sides, general grassed area	( <i>Paspalum notatum</i> ) Suppression and seedhead control	2 to 4L plus 75 mL/ha Monument* Liquid Turf Herbicide Plus 0.25 v/v non-ionic surfactant (such as Wetspray® 1000)	20 to 40mL plus 0.75 mL/100m <sup>2</sup> of Monument* Liquid plus 0.25 v/v non-ionic surfactant (such as Wetspray® 1000)	Apply during summer when Bahia Grass produces seedheads. DO NOT apply more than 2 consecutive applications of Monument Liquid per season. See instructions under Bahia Grass ( <i>Paspalum notatum</i> ) Management For control of Bahia Grass seedheads in established couch areas. Refer to Application section for detailed information. Important: Refer to the Monument Liquid label for specific directions on mixing, avoiding spray drift, sprayer clean-up and protection of non-target crops and the environment.
<p><i>Always read the label before using this product or any chemical using</i></p> <p><i>®All products mentioned are registered trademarks of their respective owners</i></p>				

## Best Application Tips

The rates recommended on the label are designed to give approximately a 20 - 50% reduction in clippings over a 2 to 6 week period. In practice, the amount of growth regulation achieved will vary due to environmental conditions and turf management regimes. As a result, it is likely that application rates will need adjustment to match growing conditions, management practices and the quantity of growth regulation required. A growing degree day model is useful to determine timings.

Repeat applications can be made as soon as turf resumes growth or more suppression is desired. Shadow® Ultra PGR should be applied to actively growing turf, at least 6 hours before or after mowing. Good mowing practices prior to application are required to maximise performance and achieve quality turf swards. Use the lower label rate in situations when turf is going dormant due to high or low temperatures, or lack of moisture.







# Colin Campbell (Chemicals) Pty Ltd

PROUDLY AUSTRALIAN OWNED & OPERATED CELEBRATING OUR 80<sup>TH</sup> YEAR IN 2020.

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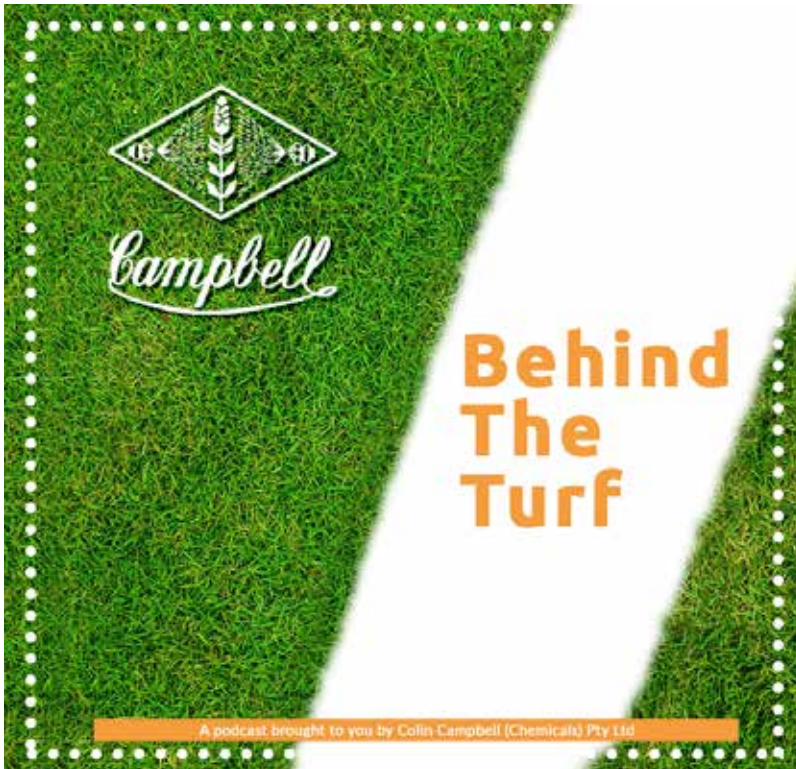


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