



# Checkpoint 500SC

Herbicide



*Targeted pre and post emergence control of Poa annua (Winter Grass)*

## Product Overview

ProForce Checkpoint 500SC Herbicide is a selective herbicide containing 500g/L of the active ingredient Propyzamide.

It is specifically registered for the pre and post-emergent control of Winter Grass (*Poa annua*) in established turf, with excellent safety on a range of warm season turf varieties.

The low application rates and high active ingredient loading make Checkpoint 500SC Herbicide a useful economical and an effective option for Winter Grass control.

Offers a shorter term residual pre-emergent option for Winter Grass, with early and mid-season applications most effective.

## Key Features

- > Offers pre & early post-emergent control, ensuring you can't miss the application window.
- > Offers a shorter-term residual pre-emergent option for Winter Grass, early and mid season. Defined residual period of 6-8 weeks allows flexibility around overseeding / renovation operations.
- > Useful resistance management rotational tool. Reduces reliance on Group B chemistry.
- > Root absorbed herbicide. Can be irrigated into the rootzone and still be effective, reducing tracking concerns.
- > Effective in cooler conditions. Unlike SU chemistry, Checkpoint 500SC can be used successfully in winter.
- > Excellent tolerance to warm season grasses. Reliable on warm season turf.
- > Reliable SC formulation. Easier to measure and add to the tank, whilst having useful tank mix flexibility.





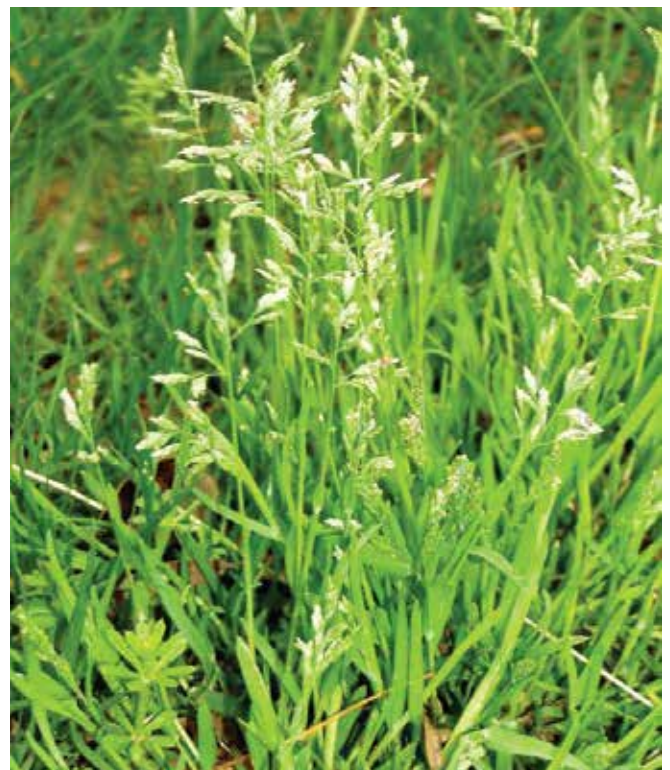
## Checkpoint 500SC Herbicide – Use Rates & Label Recommendations

SITUATION	WEEDS CONTROLLED	RATE PER 100m <sup>2</sup>	RATE PER HA	RATE PER BOWLING GREEN (37m X 37m)
<b>Turf &amp; Lawns</b>	Winter Grass ( <i>Poa annua</i> )			
Common Couch		12 mL/100m <sup>2</sup>	1.2L	170 mL
Queensland Blue Couch		6 mL/100m <sup>2</sup>	0.6L	85 mL
Buffalo Grass		12 mL/100m <sup>2</sup>	1.2L	170 mL

### Mode of Action

#### GROUP D HERBICIDE

Checkpoint 500SC is a soil acting, residual herbicide. Its active ingredient, propyzamide, is readily absorbed by the weed's root system. It works largely by preventing cell division. Checkpoint 500SC actively restricts cell division by preventing proteins required for spindle fibre production in a process called mitosis. Spindle fibres are critical in transferring DNA to new cells in the cell division process. As a result, Checkpoint 500SC applications prevent spindle fibres from forming, resulting in the prevention of cell division, leading to a limitation of growth and eventual weed death of susceptible plants. Control may only take a matter of weeks in good growing conditions. However, it can take months where plant growth is limited by temperature and light.



### Maximising performance

- > Checkpoint 500SC is most active in coarse to medium textured soils of low organic matter and relatively inactive in peat or muck soils or mineral soils high in organic matter content. Herbicidal activity is best in soils containing less than 4% organic matter. Use in soils with higher organic matter may result in inconsistent or incomplete weed control.
- > Apply during the autumn and winter, if established turf is infested with seedling Winter Grass. Mature Winter Grass plants become more difficult to control, with bio-type differences also impacting on the performance that can be achieved.
- > Ensure a uniform coverage. Irrigate immediately after application with 12-25mm irrigation or rain and again 24 hours later. Repeat treatment if necessary on Queensland Blue Couch after 4 weeks.
- > Checkpoint 500SC breaks down more rapidly in warmer soils. The cooler the soil, the longer the residual control that can be achieved. A drop in soil temperature of 10°C, roughly doubles the half-life of propyzamide.
- > Soil moisture is important as Checkpoint 500SC is only absorbed by roots, with no foliar uptake. Without sufficient moisture in the soil, Checkpoint 500SC cannot be taken up by the target weeds.
- > Do not reseed for 60 days after treatment.
- > Use only on established turf.
- > Do not use on Bluegrass, Ryegrass, Fescue or Bent Grass Turf.
- > To enhance herbicide movement into the soil, it is recommended that Checkpoint 500SC be tank mixed with a suitable soil surfactant. Hydrophobic soil conditions can impact upon performance.

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