



# Revere® Herbicide

## Targeted Pre & Post Emergent Wintergrass (*Poa annua*) Control

### Product Overview

- REVERE® is a selective herbicide containing 500 g/L of the active ingredient Propyzamide
- It is specifically registered for the pre and post-emergent control of Wintergrass (*Poa annua*) in established turf, with excellent safety on most warm season turf varieties
- The low application rate and high active ingredient loading make REVERE® a useful economical and an effective option for Wintergrass control
- Offers a shorter term residual pre-emergent option for Wintergrass, with early and mid-season applications most effective.

### Mode of Action

**GROUP D HERBICIDE**

REVERE® 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. REVERE® actively halts cell division by preventing proteins required for spindle fibre production in the process called mitosis. Spindle fibres are critical in transferring DNA to new cells in the cell division process. As a result, REVERE® applications prevent spindle fibres from forming, resulting in cell division prevention, leading to a stoppage in 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.

### Use Rates & Application Information

REVERE® is applied at a rate of 1.2 L/ha. To enhance herbicide movement into the soil, it is recommended that REVERE® be tank mixed with a suitable soil surfactant. Hydrophobic soil conditions can impact upon performance. For optimum results it is best to apply REVERE® Herbicide prior to germination or to young, actively growing wintergrass plants in Autumn / early Winter. Mature Wintergrass plants become more difficult to control, with bio-type differences also impacting on the performance that can be achieved.

Following application irrigation should occur quickly with at least 12 mm. Oversewing /reseeding operations should not occur for 60 days following application. Application should only be made to established turf. Do not use on Kentucky Bluegrass, Ryegrass, Fescue or Bent Grass Turf or Lawn situations.

REVERE® breaks down more quickly 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. Moisture is important as REVERE® is only absorbed by roots, with no foliar uptake. Without sufficient moisture in the soil, REVERE® cannot be taken up by the target weeds.

| Turf Situation | Target Weed                         | Rate per Hectare | Rate per 100 m <sup>2</sup> | Rate per Bowling Green (37 m x 37 m) |
|----------------|-------------------------------------|------------------|-----------------------------|--------------------------------------|
| Common Couch   | Wintergrass<br>( <i>Poa annua</i> ) | 1.2 L            | 12 mL                       | 170 mL                               |
| Qld Blue Couch |                                     | 600 mL           | 6 mL                        | 85 mL                                |
| Buffalo Grass  |                                     | 1.2 L            | 12 mL                       | -                                    |



## More information on Wintergrass (*Poa annua*)



**Family:** Poaceae

**Lifecycle:** Winter Annual or Perennial depending on biotype.

**General Description:** Loosely to compactly tufted, flaccid, light green, glabrous annual to 0.3 m high. A common weed of gardens, turf, pastures and disturbed areas, wherever bare ground and moisture are available.

**Flowers:** Flower-heads are open and spreading panicles to 10 cm long and 6 cm wide. Each spikelet contains 3 – 6 green or purplish florets which are hairy in their lower halves. Wintergrass can produce between 1050 – 2250 seeds per plant. The perennial biotype will produce much fewer seeds than the annual types.

**Foliage:** Leaves with sheath keeled. smooth; ligule thinly membranous, 2 – 5 mm long.

**Germination Temperature:** 10 - 15°C. Key germination period is in late summer and autumn (February – May).

**Annual Biotype:** Will germinate after dormancy of 2 or more months.

**Perennial Biotype:** Can germinate within 3 days of maturity on the plant.



| Features   | Benefits   |
|--|--|
| Offers pre and early post emergent control   | Can't miss the application window  |
| Offers a shorter term residual pre-emergent option for Wintergrass, 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, REVERE® can be used successfully in winter                                    |
| Excellent tolerance to warm season grasses   | Reliable on warm season grasses  |
| Reliable SC formulation  | Easier to measure and add to the tank, whilst having useful tank mix flexibility                   |

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