

Pronamide

Selective Herbicide



Product Information



What is Pronamide Selective Herbicide?

Pronamide Selective 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 Wintergrass (*Poa annua*) in turf, with excellent safety on most warm season varieties of turf. The low application rate and high active ingredient loading make Pronamide an economical and efficient option for Wintergrass control.*



Features of Pronamide

- ✓ Offers both pre & post-emergence control.
- ✓ Unique application timing flexibility – can't miss the application window.
- ✓ Different mode of action group – post-emergent perspective.
- ✓ Cost effective form of Wintergrass control.
- ✓ Excellent safety on warm season grasses.
- ✓ Now registered for selective use on Kikuyu turf.
- ✓ Turf specific registration.

Pronamide at a glance

Active Ingredient	500g/L Propyzamide
Formulation	Suspension Concentrate
Pack Size	5L, 20L
Rate	1.2L/ha
Poison Schedule	Schedule 6 (Poison)
Mode of Action	Group D Herbicide

> Pronamide Mode of Action

Pronamide is a residual, soil acting herbicide. Its active ingredient, propyzamide, is readily absorbed by roots. It works primarily by preventing cell division (mitosis). Pronamide impacts upon mitosis, by preventing proteins required for spindle fibre production.

Spindle fibres are critical in transferring DNA to new cells in the mitotic sequence. As a result of Pronamide application, spindle fibres do not form, leading to lack of cell division, which leads to cessation of growth and eventual death.

Plant symptoms of susceptible plants following Pronamide application includes:

1. Germination is not inhibited but seedlings fail to emerge from the soil.
2. Root tips become club shaped and swollen.
3. Stem base become swollen.
4. Leaves become discoloured and less erect.
5. Leaves gradually change colour to red / yellow.

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 eg. harsh winter conditions.

> **Pronamide Application Information**

Pronamide is applied at a rate of 1.2L/ha. To enhance plant movement into the soil, it is recommended that pronamide be tank mixed with Stamina Express at the rate of 2L/ha.

For optimum results it is best to apply Pronamide Herbicide prior to or to young, actively growing wintergrass plants in Autumn / early Winter.

Mature Wintergrass plants become difficult to control, with bio-type differences also having an impact on performance.

Nozzle Selection			
Regime		With follow-up Irrigation	Without follow-up Irrigation
Nozzle	Type	XR Teejet	TurfJet
	Size	110 04 - 08	TF5
Water Rate		240-470L/ha	950L/ha
Pressure		3 bar	3 bar
Travel Speed		8km/hr	5km/hr
Droplet Size		Coarse	Coarse

> **Key Application Considerations**

Pronamide breaks down more quickly in warmer soils. The cooler the soil, the longer the period of control.

A drop in soil temperature of 10 degrees celcius, roughly doubles the half life of propyzamide.

Moisture is important as Pronamide is only absorbed by roots, with no foliar uptake. Without sufficient moisture in the soil layer, Pronamide cannot be taken up by the target weeds.

Comparison of Post-emergent Herbicides

Product	Mode of Action Group	Pre- or Post-Activity
Pronamide (Propyzamide)	Group D	Pre & Post
Monument (Trifloxysulfuron)	Group B	Post only
Coliseum (Rimsulfuron)	Group B	Post only
Poachek (Endothal)	Group K	Post only

Comparison of Pre-emergent Herbicides

Product	Mode of Action Group	Pre- or Post-Activity	Active Ingredient Output (based on label rates)
Pronamide (Propyzamide)	Group D	Pre & Post	600g/ha
Rifle 440 (Pendimethalin)	Group D	Pre only	990g-1496g/ha
Embargo (Oryzalin)	Group D	Pre only	1200g-2000g/ha
Barricade (Prodiamine)	Group D	Pre only	480-1,920g/ha

Other products available from Amgrow



Ethos Herbicide

Ethos Herbicide is a pre-emergent herbicide containing 500g/L of the active ingredient Ethofumesate. It is registered for the pre-emergent control of Wintergrass in a variety of turfgrasses including Bentgrass, Kentucky Bluegrass, Kikuyu, Queensland Blue Couch and Ryegrass.

Jolt Selective Herbicide

Jolt Selective Herbicide is a selective broadleaf post-emergent herbicide containing 300g/L MCPA (Potassium Salt), 20g/L Clopyralid and 15g/L Diflufenican.

It is a turf specific registered product for the control of a broad range of dicot weeds in most turfgrass varieties. Jolt offers improved safety characteristics when compared many other broadleaf turf herbicides, and with its' low application rate is economical for broad-acre use.

