

A proven performer on Wintergrass

What is Pronamide Selective Herbicide?

Pronamide 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.

Features of Pronamide Selective Herbicide:

- 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
- Turf Specific Registration
- Available in 5L & 20L pack sizes

Mode of Action of Pronamide Selective Herbicide:

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.

Application:

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.



PRONAMIDE AT A GLANCE	
Active Ingredient:	500g/L Propyzamide
Pack Size:	5L & 20L
Pre OR Post Emergence Activity:	Pre and Post
Rate:	1.2L/Ha
Poisons Schedule:	Schedule 6
Mode of Action Group	Group D Herbicide

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

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

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Post Emergent Wintergrass Control Product	PRONAMIDE Propyzamide	MONUMENT Trifloxysulfuron	COLISEUM Rimsulfuron	POACHEK Endothal
Mode of Action Group	Group D	Group B	Group B	Group K
Pre or Post Emergent Activity	Pre & Post	Post Only	Post Only	Post Only

COMPARISON OF PRE EMERGENT HERBICIDES

Wintergrass Pre Emergent Control Product	PRONAMIDE Propyzamide	RIFLE 440 Pendimethalin	EMBARGO Oryzalin	BARRICADE Prodiamine
Mode of Action Group	Group D	Group D	Group D	Group D
Pre or Post Emergent Activity	Pre & Post	Pre Only	Pre Only	Pre Only
Active Ingredient Output (based on label rates)	600g/Ha	990g – 1496g/Ha	1200g – 2000g/Ha	480 – 1,920g/Ha

Pack Sizing:

Pronamide comes in 5L & 20L pack sizes. The 20L pack size is ideal for large area applications.

Pronamide is a trademark of Amgrow Pty Ltd.

For more information, contact your local Turf distributor or call 02 9395 1200
www.amgrow.com.au