

Turf - new planted and established

Pre-emergent Weed Control

Introduction

PROLAN 500 is a unique pre-emergent herbicide, which is applied to the soil or turf surface to selectively control a range of annual grasses and broadleaf weeds. For instructions on use of the product in all situations please refer to the product label.

Mode of Action

PROLAN 500 is based on the active constituent Oryzalin and is a member of the dinitroaniline family. For weed resistance management purposes, it is a GROUP D Herbicide. It's main activity on plant tissue is to inhibit cell elongation in the newly emerging root shoots of those plants with fibrous (hairy) root systems (primarily grasses).

PROLAN 500 also inhibits root growth in certain small seeded broadleaf weeds. PROLAN 500 binds strongly to soil colloids and is unlikely to leach or move.

Timing of application

Winter Annuals: Apply 4 L/ha prior to germination of the weeds (usually from late summer to mid autumn, February to May). Apply every 16 weeks from early February to the end of August. The product should be incorporated by 10 – 15 mm of spray irrigation or rainfall as soon as possible, at least within one day of application. Allow at least 18 weeks between last application and over seeding/over sowing.

Summer Annuals: Apply 4 L/ha prior to germination

Incorporation

Note: Incorporation of PROLAN 500 by applying the product with very high water rates is not possible. To effectively apply 15mm of rain, your boom spray would need to apply 150,000 litres of water per hectare.



Control of Chickweed



Control of Crabgrass

Mixing

The required amount of PROLAN 500 should be added to the half-full spray tank and agitated well during the completion of filling. DO NOT leave spray solutions to stand overnight.

Application

Apply PROLAN 500 in 200 to 450 litres of water per hectare. Apply uniformly, so that application above label rates does not occur. Use a properly calibrated low pressure (170 to 340 kPa) herbicide sprayer.

Provide good by-pass or other agitation of the spray suspension in the tank before and during application. Soil treated with this product may be shallow cultivated without loss of herbicidal activity.

Compatibility

PROLAN 500 is compatible with paraquat, glyphosate, oxyfluorfen and simazine, however these products should not be applied to turf areas.

Directions for Use:

CROP GROUP	WEEDS CONTROLLED	RATE (L/HA)	CRITICAL COMMENTS
Turf Established Common couch Hybrid couch Kikuyu	Wintergrass (<i>Poa annua</i>) Annual ryegrass (<i>Lolium</i> spp)	4L	Apply prior to germination of the weeds (usually from late summer to mid autumn, February to May). Apply every 16 weeks from early February to the end of August. The product should be incorporated by 10 – 15 mm of spray irrigation or rainfall as soon as possible, at least within one day of application. Allow at least 18 weeks between last application and overseeding/oversowing. DO NOT apply by aircraft or through any type of irrigation equipment.
	Crabgrass Chickweed		Apply prior to germination of the weeds (usually from early spring, September to December) Apply every 16 weeks from early September to the end of February. The product should be incorporated by 10 – 15 mm of spray irrigation or rainfall as soon as possible, at least within one day of application. Allow at least 18 weeks between last application and overseeding/oversowing. DO NOT apply by aircraft or through any type of irrigation equipment.
Turf Newly planted (i.e. line planted or sprigged) common couch, hybrid couch and kikuyu.	Wintergrass (<i>Poa annua</i>) Annual ryegrass (<i>Lolium</i> spp) Crabgrass Chickweed	2.4L	Apply within the first 24 to 48 hours of the stolons being planted. The product should be incorporated by 10 – 15 mm of spray irrigation or rainfall as soon as possible, at least within one day of application. Apply every 8 weeks from planting; a maximum of 3 applications can be made from planting. Allow at least 10 weeks between last application and overseeding/oversowing. Note: the area that is being line planted or sprigged with stolons should be sprayed out with a non selective herbicide prior to planting. DO NOT apply by aircraft or through any type of irrigation equipment.
Nursery Stock, Ornamentals and Amenity plantings	Refer to label	4.5 to 6.8 L/ha	Area to be treated should be free of established weeds, trash and large clods. Apply after planting to minimize soil disturbance. The product should be incorporated by 10 – 15 mm of spray irrigation or rainfall as soon as possible, at least within 21 days of application.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER THE APPROPRIATE LEGISLATION

Always read the entire label prior to use.

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