

Longer residual action against Couchgrass mite



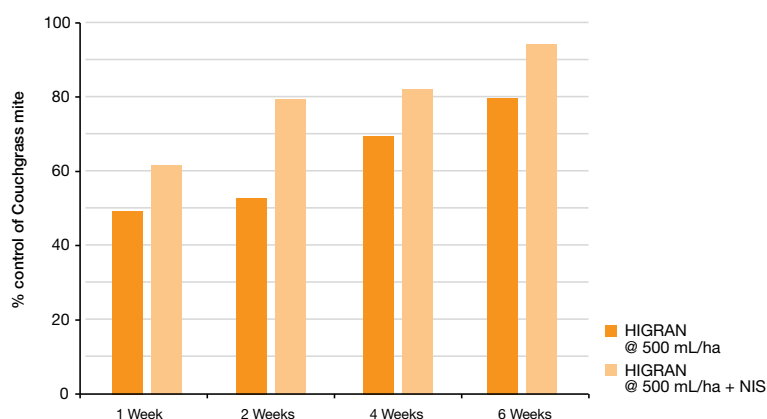
syngenta®

HIGRAN Turf Miticide delivers long lasting control of up to 4 weeks (3 generations of mites). Follow the initial knockdown of AGADOR Turf Nematicide and Miticide or GYMNAST Turf Miticide with HIGRAN for 3-4 weeks of residual control.

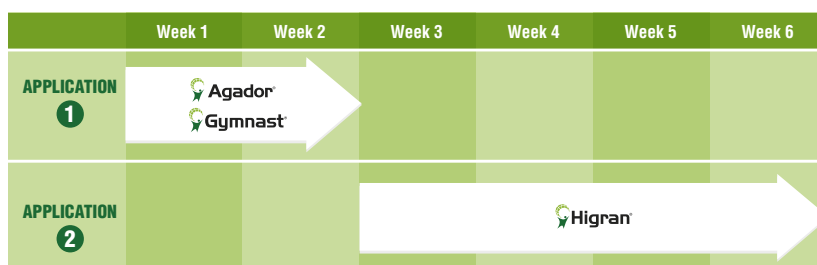
What HIGRAN offers you:

- Longer duration of residual control compared to traditional chemistries used for mite management
- A different mode of action to manage and/or prevent resistance build up
- Strong contact and translaminar activity meaning pests on the underside of leaves, not directly contacted are still treated equally well
- Rapid paralysis of mites so they stop feeding

Residual Couch Mite Control



Mite Control Strategy



SpraySURE | Accuracy and Performance

To achieve great results, accurate application is important.

Target	Syngenta Nozzle	Optimal Water Rate	Optimal Pressure Range
Leaf and crown F Su	XC 04 or XC 025	300 to 460 L/ha	2 to 4 bar

HIGRAN can be used as an early curative miticide when treating nymph and adult Couchgrass mites. Ideally HIGRAN is used as the second application in a two step process and is rotated with an alternate chemistry from a different mode of action (MOA) group. HIGRAN is a 'pro-insecticide' meaning the active ingredient goes through a conversion process post application to enter a biologically active state. Insecticidal activity occurs immediately (paralysis) with control usually occurring 5-7 days after application.

Example: In the case where environmental conditions have become conducive to mite activity and early symptoms of damage (eg witches broom) has been noticed on a couchgrass sward, apply AGADOR or GYMNAST first at the rate of 1 to 2 L/ha to knock the population down quickly and limit early damage. Follow this with an application of HIGRAN at 500 mL/ha, 10 to 14 days later for residual control of up to 4 weeks. This combination treatment should be considered a 6 week program in total and can be repeated if environmental conditions and pest pressure are sustained.

Strong adherence to this rotational program is paramount for responsible chemical use and good resistance management.

Target Pests	Rate	SpraySure
Couchgrass Mite	500 mL/ha	F Su

Refer to the registered label for full details and instructions for use. **F** = Foliar applied **So** = Soil applied **Su** = Surfactant required

Active Ingredient

HIGRAN contains 500 g/L diafenthiuron, a member of the inhibitors of mitochondrial ATP synthase group of insecticides

GROUP **12A** INSECTICIDE

Formulation and Packaging

1 L pack size

HIGRAN is a suspension concentrate (SC) with minimal odour.

Ensure a **non-ionic surfactant (NIS)** is incorporated into the spray mix. Use Agral (600 g ai/L) at 0.42% v/v or 420 mL/100 L spray mix. Alternatively use other quality non-ionic surfactants (1000 g ai/L formulations) at 0.25% v/v or 250 mL/100 L spray mix.



www.greencast.com.au

Higran[®]
Turf miticide

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For more information and to download the full registered label and MSDS, ask your Syngenta Agent or go to www.greencast.com.au

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