

## ACTIVE INGREDIENT: FLUOPYRAM

### EFFECTIVE STING NEMATODE MANAGEMENT WITH INDEMNIFY

The Southern Sting Nematode (*Ibipora loli*) is one of the most aggressive and damaging nematodes in turfgrass, particularly in sandy soils. It affects high-value turf like golf courses, sports fields, and turf farms, leading to severe turf decline.

#### → Biology & Life Cycle

Large, slender nematode with a spear-like stylet for feeding.

Prefers sandy soils (>80% sand), which are common in many turf situations.

#### → Life Cycle

Egg → Four Juvenile Stages (J1–J4) → Adult.

Requires both males and females for reproduction.

Most active during warmer months (spring to autumn) when soil temperatures are optimal.

#### → Feeding & Damage

Ectoparasitic feeder, meaning it stays outside the root and inserts its stylet to extract nutrients.

Causes “sting” symptoms – stunted roots, root tip swelling, and necrosis.

Turf becomes thinned, chlorotic, and weakens due to poor root function.

Damage is worse in sandy soils with low organic matter, common in coastal golf courses, sports fields, and amenity turf in Australia.

Population levels peak in warm seasons and decline in winter.

### ABOUT INDEMNIFY

Indemnify® is a proven, easy-to-use nematicide that controls key plant parasitic nematodes and improves root growth and turfgrass health resulting in better playability with improved wear tolerance.

#### → Targeted Application Benefits

Indemnify contains the active ingredient Fluopyram. Fluopyram is a succinate dehydrogenase inhibitor (SDHI) that paralyzes and eventually kills nematodes by blocking cellular respiration.

Fluopyram is a contact nematicide with acropetal (upwards) movement.

The effect on nematodes is initial paralysis and this effect begins once the nematicide makes contact. In general, visual improvement to damaged turf occurs four weeks after application.

Effects of improved turfgrass quality can last between two to six months. The exact duration is dependent on several factors including, but not limited to, nematode species and turfgrass type.

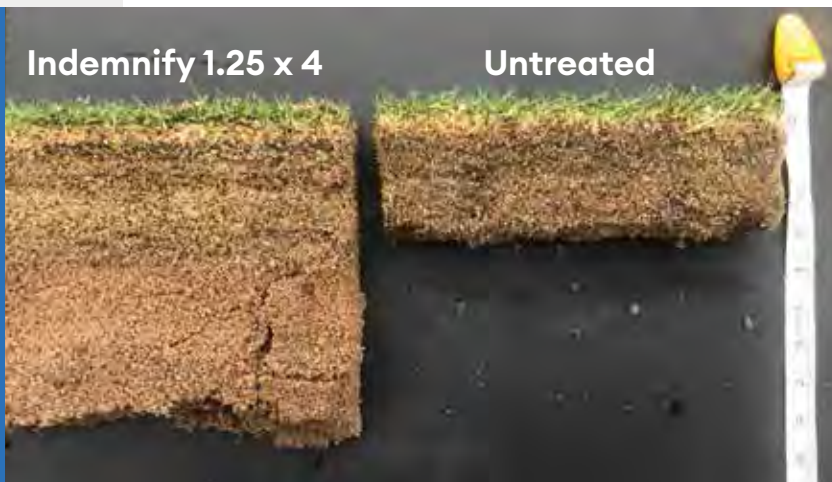


### Results run deeper with Indemnify

- + Reduced summer hand watering
- + More summer aeration
- + Reduced root diseases
- + Improved surface quality
- + Better surface stability

Indemnify 1.25 x 4

Untreated



## APPLICATION STRATEGY

[Indemnify](#) should be applied as a preventative treatment when conditions are favourable for root growth, before nematode populations build up to damaging levels. The population buildup of some key species such as sting nematode often occurs during or following a period of root growth, so optimum timing of application, while situation-dependent, will often be just prior to periods of peak root growth. This timing is typically early spring and autumn.

Apply up to four applications at the higher curative spot treatment rate if controlling outbreaks that are severe or are expected to become severe.

## TREATMENT TIPS FOR BEST RESULTS

- Apply in 400 – 800 L water/ha.
- Apply 0.625L/ha as a preventative treatment.
- Apply 1.25L/ha as a curative spot treatment.
- Apply no more than 4 applications a year – refer to [label](#) for application rates.

### → Tank mixing

Do not tank mix this product with soil wetting agents or surfactants.

The [Indemnify](#) formulation contains soil penetration adjuvants to optimise delivery of the active ingredient to the root zone.



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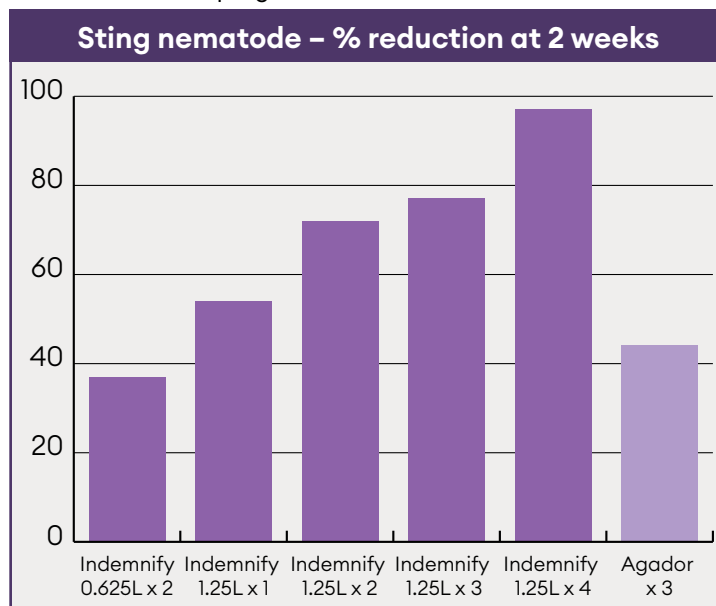


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## INDEMNIFY TRIAL RESULTS

[Indemnify](#) trial showing reduction in sting nematodes for various treatment programmes.



## STEWARDSHIP

Always read the label before use.

For full list of application and usage recommendations, view the [label](#).

## CONTACT US

For further information on controlling Sting Nematodes with [Indemnify](#), please contact the Envu team.

. Details can be found on the Envu website by visiting [Our Team in Australia](#).

Find out  
more about  
**Indemnify**



ALWAYS READ THE LABEL BEFORE USE

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