

# PLANT PARASITIC NEMATODE REPORT



Client:   
 Contact:   
 Sample Name: 6th Green  
 Report Date: 28/01/2020

Sample ID: 20200128\_02007

## Ectoparasitic Nematodes

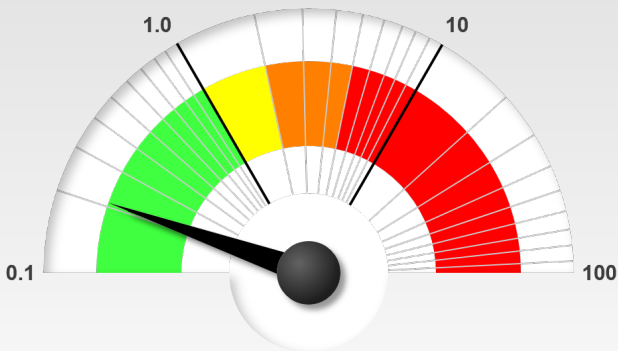
Name	Genus	Threshold	Result	Very Low	Low	Moderate	High	Very High
Pin	<i>Paratylenchus</i>	2000						
Ring	<i>Macroposthonia</i>	200						
Stubby	<i>Paratrichodorus</i>	150	23					
Spiral	<i>Helicotylenchus</i>	2000	28					
Reniform	<i>Rotylenchulus parvus</i>	2000						
Stunt	<i>Tylenchorhynchus</i>	400						
Sheath	<i>Hemicycliophora</i>	300						
Lance	<i>Hoplolaimus</i>	200						
Dagger	<i>Xiphinema</i>	300						
Needle	<i>Paralongidorus</i>	200						
Sting	<i>Ibipora lolii</i>	10						

## Endoparasitic Nematodes

Name	Genus	Threshold	Result	Very Low	Low	Moderate	High	Very High
Cyst	<i>Heterodera</i>	200						
Root-knot	<i>Meloidogyne</i>	200						
Lesion	<i>Pratylenchus</i>	200	8					

Total Nematodes extraction results per 200ml of sample: 59

### Nematode Hazard Index



Nematodes Hazard Index: 0.21

■ <1 Low    ■ 1-2 Moderate    ■ 2-5 High    ■ 5-100+ Very High

The hazard index rating indicates the collective potential of all nematodes detected to impact turfgrass health & growth.



Root Length: 8.25 cm Thatch Depth: 2.5 cm  
 Good root density.

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## Nematode Characteristics Summary

Common Name	Genus	Body Length (mm)	Body Width (µm)	Stylet Length (µm)	Stylet Sclerotization (hardness)
Cyst	<i>Heterodera</i>	>1.5 (Males) <0.6 (Juveniles)	20 - 50	>15 - <30	Medium
Dagger	<i>Xiphinema</i>	>1.5	>50	>100	Medium
Lance	<i>Hoplolaimus</i>	>1.5	20 - 50	>30 - <80	Heavy
Lesion	<i>Pratylenchus</i>	<0.6	20 - 50	>15 - <30	Medium
Needle	<i>Paralongidorus</i>	>2	>50	>100	Light
Pin	<i>Paratylenchus</i>	>0.4	20 - 50	>15 - <30	Medium
Reniform	<i>Rotylenchulus parvus</i>	<0.6	20 - 50	>15 - <30	Light
Ring	<i>Macroposthonia</i>	<0.6	<20	>80 - <100	Heavy
Root-knot	<i>Meloidogyne</i>	>1.5 (Males) <0.6 (Juveniles)	20 - 50	>15 - <30 (Male) <15 (Juveniles)	Light
Sheath	<i>Hemicycliophora</i>	0.6 - 1.5	20 - 50	80 - 100	Medium
Spiral	<i>Helicotylenchus</i>	0.6 - 1.5	20 - 50	15 - 80	Medium
Sting	<i>Ibipora lolii</i>	>1.5	>50	>100	Medium
Stubby	<i>Paratrichodorus</i>	0.6 - 1.5	20 - 50	30 - 80	Medium
Stunt	<i>Tylenchorhynchus</i>	0.6 - 1.5	20 - 50	15 - 30	Medium

## Recommendations

The nematode hazard index was low, with very low numbers of individual nematode species present. As such, there are no recommendations at this time.

**General Disclaimer:** Westgate Labs Pty Ltd has a quality management system which ensures that samples are processed in an appropriate manner. The Company cannot accept responsibility for the diagnosis because it has no control over how samples were collected &/or transported which limits our capacity to interpret results. Results and conclusions assume that sampling is representative.

**Reference:** Eisenback, J.D. (2002) *Identification Guides for the Most Common Genera of Plant - Parasitic Nematodes*. Mactode Publications : Virginia.