

DIAGNOSTIC REPORT

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Professor of Plant Pathology

Department of Plant Sciences

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(401) 874-5996



Date Received: April 17, 2021

Received From: Rob Larson
Tom Irwin, Inc.
[Redacted]

Samples Submitted: Nematode Assay: Green #4, Green #5 and Green #8

Pathogens Identified and/or Other Issues

Nematode levels were low on all greens:

	Green 4	Green 5	Green 8	Threshold
<i>Tylenchorhynchus</i> (Stunt)	120	240	60	800
<i>Hoplolaimus</i> (Lance)	180	-	-	400
<i>Helicotylenchus</i> (Spiral)	60	-	-	2,000
<i>Criconemella</i> (Ring)	-	60	-	2,000

The damage threshold for stunt nematode is approximately 800 nematodes/100 cc soil from a composite sample. The damage threshold for lance nematode is approximately 400 nematodes/100 cc soil from a composite sample. These are the two most commonly identified nematodes on putting greens in the Northeast and the most likely to cause damage. At established threshold levels, nematodes were low on these greens.

Suggested Curative Action

None required at this time.

Dr. Nathaniel Mitkowski
Professor of Plant Pathology



Rhode Island Turf Disease Diagnostic Laboratory

DISEASE SAMPLE SUBMISSION FORM

DR. NATHANIEL MITKOWSKI: OFFICE (401) 874-5996 LABORATORY (401) 874-9280

Organization: Country Club Phone: _____ Fax: _____
 Street: _____ Town: _____ State: _____ Zip: _____
 Contact Person: Rob Larson Bill To (if other): Tom Irwin, Inc.

<p>Turf Species: _____ Variety: _____ Year Est. : _____ <input type="checkbox"/> Seed <input type="checkbox"/> Sod <input type="checkbox"/> Unknown <input type="checkbox"/> Golf Course <input type="checkbox"/> Sod Farm Green: # _____ Tee: # _____ Fairway: # _____ Height of Cut: _____ Soil pH: _____ Drainage: <input type="checkbox"/> Good <input type="checkbox"/> Average <input type="checkbox"/> Poor Sun: <input type="checkbox"/> Full <input type="checkbox"/> Part <input type="checkbox"/> Shade</p>	<p>Describe Symptoms: _____ _____ _____ _____ _____ First Observed: ___/___/___ <input type="checkbox"/> Patches <input type="checkbox"/> Rings-Frogeyes <input type="checkbox"/> Wilt <input type="checkbox"/> Yellowing <input type="checkbox"/> Leaf Spot-Blight</p>
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List Application Dates and Rates: 64, 65, 68

Fertilizers (last three): _____ _____ _____	Fungicides (last three): _____ _____ _____	Nematicides (last two): _____ _____
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Nematodes per 100 cc Soil: Please give nematode counts

Sample Number	4	5	8	Threshold				
<i>Tylenchorhynchus</i> (Stunt)	120	240	60	800				
<i>Hoplolaimus</i> (Lance)	180	-	-	400				
<i>Helicotylenchus</i> (Spiral)	60	-	-	2000				
<i>Criconebella</i> (Ring)	-	60	-	2000				

<p>Disease Diagnosis: <u>Nematode levels very low, not an issue on these greens.</u></p>	<p>Recommendations:</p>
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Send samples and payments to:

 Dr. Nathaniel Mitkowski
 URI - Plant Sciences
 236 Woodward Hall
 Kingston, RI 02881

Received: 4/17/2021
 Answered: 4/20/2021
 Diagnostician: NAM

Make checks payable to:

 Dr. Nathaniel Mitkowski - URI/PLS
 Please pay this amount: \$ _____