



# TURF NEMATODE ASSAY FORM

New Mexico State University – Plant Diagnostic Clinic

\* = Required



\*\*\*\*\*Diagnostic Lab Use Only - Do Not Write In Box \*\*\*\*\*

Sample No(s) \_\_\_\_\_

Date Sample(s) Received \_\_\_\_\_

### CLIENT

Name \_\_\_\_\_

Address \_\_\_\_\_

\*City/State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (\_\_\_\_\_) \_\_\_\_\_

Email \_\_\_\_\_

\*COUNTY \_\_\_\_\_

DATE COLLECTED \_\_\_\_\_

### SUBMITTER

Name \_\_\_\_\_

Address \_\_\_\_\_

City/State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (\_\_\_\_\_) \_\_\_\_\_

Email \_\_\_\_\_

\*Send Results To:  Client  Submitter

\*By:  Mail  E-mail

Bill to:  Client  Submitter  3rd Party

### Information Needed for Correct Interpretation of Assay Results:

#### \*IS THIS SAMPLE FOR:

- Diagnosis of problem of existing crop/plant
- Advice for future planting
- Experimental data

### SERVICE TYPE

- Soil extraction(standard) – \$25-\$50 per sample
- Mist extraction – separate \$25 charge
- Soil and mist – \$50-\$75 per sample

TURF - species and variety if known:

\*Present \_\_\_\_\_ \*Age \_\_\_\_\_ (if unknown mark new or established)

### SYMPTOMS: (✓) terms which describe the crop

Plant -  wilted  stunted  yellow  decline  dead

Root -  galls  stunted roots  root rot  other \_\_\_\_\_

\*SITUATION (✓):  Commercial  Residential  Public

### \*(✓) ONE OF THE FOLLOWING:

- Sod Farm  Golf Course  Lawn  Park  Playing Field
- Other \_\_\_\_\_

MAIN SOIL TYPE (✓):  Sand  Clay  Artificial Mix

Recent nematicide use, prior history of nematodes, other pertinent information:

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# Sampling TURF for Nematodes

For **SOIL** Extraction:

1. Use a ½ or ¾-inch diameter sampling probe (not a cup cutter).
2. Sample from the margin of the damaged areas, do not sample the dead areas.
3. Take 16 to 20 cores per area (green, fairway, etc), 3-4 inches deep.

An instructional video on collecting nematode samples for soil extraction:

<https://www.youtube.com/watch?v=frVnM5NpsGY>

4. Combine cores from one area into a single bulk sample.
5. Seal bulked soil cores in a one-quart "Zip-loc" plastic bag.
6. Use a permanent marker to label the bag with a unique location name, date and type of turf.
7. Protect the bag from direct sunlight and heat.
8. Include your business card or other identification in the shipping container.
9. Send sample to the diagnostic lab by overnight service or US Priority Mail.



**ADDRESS PACKAGE TO:**

New Mexico State University  
Attn: Jacki Beacham/ Plant Diagnostic Clinic  
945 College Avenue  
Skeen Hall Room W242  
Las Cruces, NM 88003  
Tel: (575) 639-3327

## Notice to Out-Of-State Clientele

Sample shipments from out-of-state **must** be packaged with an [NMSU Diagnostic Sample Permit P526](#). Please contact Jacki Beacham at 575-639-3327 or email [jtrojan@nmsu.edu](mailto:jtrojan@nmsu.edu) **prior** to shipping.

# Sampling TURF for Nematodes

For **MIST** Extraction (most reliable method for root-knot nematode diagnosis in turf):

1. Using a 1.5-inch-diameter (ball mark plugger) or larger device collect four 2-inch-deep turf plugs from the margins of symptomatic areas on the green and place into a plastic bag.
2. Labelling, shipping and handling are then as described above.
3. Instructional video on collecting nematode samples for mist extraction:  
<https://www.youtube.com/watch?v=Fk1sAcwC760&t=8s>

**ADDRESS PACKAGE TO:**

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Attn: Plant Diagnostic Clinic  
P.O. Box 30003, MSC 3AE  
Las Cruces, NM 88003