

**UNIVERSITY OF MINNESOTA**

Southern Research and Outreach Center  
 35838 120<sup>th</sup> Street  
 Waseca, MN 56093

Phone: (507) 835-3620  
 Fax: (507) 835-3622  
 Nematology Lab (507) 837-5649

# Nematode Soil Sample Submission Form

See reverse side of form for instructions on collecting and shipping samples.

Send results to:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

E-mail: \_\_\_\_\_

Fax: \_\_\_\_\_

Owner: \_\_\_\_\_

County of field: \_\_\_\_\_

Township of field: \_\_\_\_\_

Sampling date: \_\_\_\_\_

Collector: \_\_\_\_\_

Phone: \_\_\_\_\_

Please indicate test desired:

- Soybean cyst nematode (SCN) egg \$21.00
- Soybean cyst nematode juvenile \$35.00
- Corn nematodes \$35.00
- Other \_\_\_\_\_

*Please submit appropriate fee. Price subject to change without notice.*

Four soil samples (from the same county) may be submitted on each form.

The soil samples have been mixed thoroughly:  YES  NO

Sample number (lab use)		1	2	3	4
Field name/sample number (your sample identification)					
Acreage sampled					
Current crop and variety					
Cropping history (rotation)	Corn years				
	Soybean years				
Soil type †					
† 1 = light, 2 = medium, 3 = heavy; or use other descriptions as necessary					
Symptoms					
Results ‡: SCN eggs/100 cm <sup>3</sup> soil					

‡ Results of other nematodes are reported on separate page(s)

Request additional forms:  YES, number of copies:

Office Use Only			
Date received:	Number of samples:	Check No.:	Amount:

**WHITE**  
 Returned with results and recommendations

**YELLOW**  
 For lab use

**PINK**  
 Retain for your records

# Procedures for Taking Nematode Soil Samples

## When and where to sample

Soil samples can be collected from any field, at any time, from early spring to late fall of the year. The soil samples collected from near the host root zone (soybean rows if the soybean cyst nematode (SCN)) late in the growing season may have a better chance of detecting the nematode than samples taken at other times. For SCN management decisions, taking soil samples in the fall (presumably in corn fields) before growing soybean next year is recommended. Soil samples should not be collected when the field is very wet or muddy because it is difficult to process wet soil and extract the nematodes.

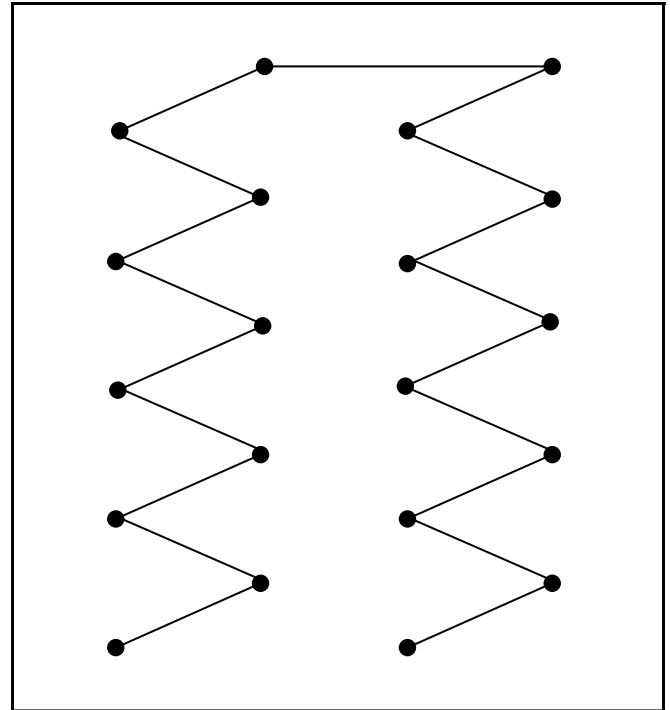
## How to sample

Collect a soil core or 1/4 cup of soil (a subsample) from each of about 20 different locations within an area no larger than 10 acres using a soil sampling probe, hand trowel, or shovel. Sample the area in a zigzag pattern (Fig. 1). Collect soil at a depth of from 0 to 8 inches. If it is for detecting nematodes in a field with a host (soybean if SCN), take soil from the root zone. Combine all of the subsamples in a bucket and mix the soil **THOROUGHLY**. From the mixed soil sample, place approximately 1 pint of soil into a plastic bag or paper soil test bag, and label the bag. If **NOT** mixed thoroughly, all of the combined soil should be sent in. Please indicate on the form whether the soil has been mixed thoroughly or not.

## How to ship the samples

Place each soil sample in a separate bag and seal the bag securely. Label each bag, using a permanent marker, with the grower's name, field name, and sample number that corresponds to the information listed on the front of this form. If not sent immediately, the samples should be stored in a refrigerator. Do not expose the samples to direct sunlight for an extended time. Cushion the samples when packing so they won't break open during shipping. Send the samples, along with a completed Nematode Soil Sample Submission Form, and a check for the appropriate fee to:

Nematology Laboratory  
University of Minnesota  
Southern Research & Outreach Center  
35838 120th Street  
Waseca, MN 56093  
Phone: (507) 837-5649 Fax: (507) 835-3622



**Fig. 1. Zigzag sampling pattern for an area of 10 acres in a field.**

## Fees

SCN eggs \$21.00; SCN juvenile \$35.00; corn nematodes \$35.00 per sample. Make checks payable to University of Minnesota.

## Where to send the results

Please print at the top of the submission form name and address, E-mail, or fax number of the person to whom the results should be sent.