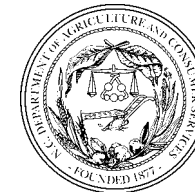




# Understanding the Nematode Assay Report

www.ncagr.gov/agronomi/uynem.htm

Steve Troxler, Commissioner of Agriculture



This information is a guide to interpreting your report. Example assay results, recommendations and explanations are below. For additional assistance, contact your NCDA&CS regional agronomist or call the Agronomic Division at the phone number above.

## Nematologist's Comments

### COMMENTS REGARDING ASSAY RESULTS

This assay found root-knot, soybean cyst, sting and stunt nematodes. Root-knot nematode can cause severe damage to tomato. Chemical treatment before planting is necessary. If the alterante crop soybean is grown again, root-knot, soybean cyst and sting populations are high enough to cause considerable damage. Rotation, or use of a nematicide or resistant variety, is recommended in this field next year. Please contact your NCDA&CS regional agronomist for field management assistance.

Field 001		Recommendations		Hazard Index			Nematodes/500 cc Soil			
<b>PRIMARY AND ALTERNATE CROP</b>				Nematode: _____			Nematode #			
Last Crop	Next Crop	Action Codes	Nema Notes	Crop	Root	Soybean	Sting	Nematode #	Nematode #	Nematode #
soybean	tomato	C	.12	tomato	60-85	Cyst	60-100	Root Knot 890@	Stunt 1100	
	soybean	C, D and E	2-4, 2-5	soybean	10-50			Soybean Cyst 180@		
								Sting 130@		

### ACTION CODES

- A The kinds/number of nematodes detected in this assay should not affect production of indicated crop.
- B Nematodes could damage indicated crop. Chemical treatment may be beneficial, especially in unfavorable growing conditions.
- C Nematode populations are high enough to cause substantial damage to the indicated crop. Apply a chemical soil treatment.
- D Use a nematode-resistant varetly.
- E Rotate with nonhost crops.

### NEMA NOTES

If Nema Notes are listed, they will have been mailed with your report. These notes provide useful information about the nematodes detected in the assay.

Nema Notes are also available online at [www.ncagr.gov/agronomi/uynem.htm](http://www.ncagr.gov/agronomi/uynem.htm).

### HAZARD INDEX

The hazard index expresses the potential for nematode damage on a 0-100 scale. The potential is defined as follows:

<i>Hazard Index</i>	<i>Potential for Damage</i>
0-19	very low
20-39	low
40-59	moderate
60-79	high
80-100	very high

For example, the 60-100 hazard index under "Sting" across from "soybean" indicates that the potential for damage to soybean by sting nematodes at a population of 130 ranges from high to very high.

### ASSAY RESULTS

These numbers indicate the nematode counts used to determine the recommendations and calculate the hazard index. Only those nematode counts marked with the @ symbol pose a threat to the crop. Unmarked counts do not pose a threat to the next crop listed. The hazard index clarifies the degree of any potential threat.