NEMATODE SAMPLE SUBMISSION FORM  
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RESEARCH PLOT OR GROWER  
NAME: ___________________________  
LOCATION: _______________________  
SEND COPIES TO: ___________________  

FARM ADVISOR OR COOPERATOR  
NAME: ___________________________  
COUNTY: __________________________  

GENERAL INFORMATION  
DATE SAMPLED: ____________________  
% OF PLANTING AFFECTED: __________  
CROP: ___________________  VARIETY: ___________  ROOTSTOCK: _____________

SOIL TYPE:  
[ ] SAND  [ ] LOAM  [ ] SILTY CLAY LOAM  
[ ] LOAMY SAND  [ ] SILT LOAM  [ ] SANDY CLAY  
[ ] SANDY LOAM  [ ] SILT  [ ] SILTY CLAY  
[ ] FINE SANDY LOAM  [ ] CLAY LOAM  [ ] CLAY  
[ ] VERY FINE SANDY LOAM  [ ] SANDY CLAY LOAM  [ ] CUSTOM MIX  

ORGANIC CONTENT OF SOIL:  
[ ] LOW  [ ] MEDIUM  [ ] HIGH  

DISTRIBUTION OF AFFECTED PLANTS:  
[ ] GENERAL  [ ] LOCALIZED AREAS  [ ] SCATTERED PLANTS  

SYMPTOMS:  
[ ] STUNTING  [ ] DIEBACK  [ ] YELLOWING  
[ ] SLOW DECLINE  [ ] SUDDEN COLLAPSE  [ ] WILTING  
[ ] MALFORMATION  [ ] ROOT GALLS  [ ] OTHER: ____________

NUMBER OF EACH TYPE OF SAMPLE:  
____ REGULAR SOIL  ____ ROOT SAMPLE  ____ CYST SAMPLE  
____ XIPHINEMA SAMPLE  ____ TISSUE SAMPLE  ____ EGG SAMPLE  
____ SPECIES I.D. FOR: ________________

PLEASE LIST SAMPLES BY NUMBER. USE THE BACK OF FORM IF NECESSARY. IF THIS IS A  
NEW RESEARCH PLOT, PLEASE INCLUDE A PLOT MAP AND LIST OF TREATMENTS.

1. ___________________________  
2. ___________________________  
3. ___________________________  
4. ___________________________  
5. ___________________________  
6. ___________________________  

COMMENTS OR QUESTIONS: ________________________________________________  

PLEASE REFER TO THE SAMPLE INFORMATION SHEET, OR CONTACT OUR LAB IF MORE  
INFORMATION IS NEEDED ON COLLECTING, STORING AND SHIPPING SAMPLES.
Nematode Sample Information Sheet

Sample Collection Information:

- Please include approx. 1 quart of soil/sample (from root zone of affected plants)

- Root samples should be packed with soil from surrounding area. Include 1 ounce (one large handful) of small feeder roots (1/8 inch diameter or less).

- For species identification of root-knot nematode, please include roots with fresh, well-developed galls. (Plants should be at least two months old.)

- Always place label outside of sample bag.

- Keep samples cool (45-70°F) until delivered. Do not place bags in the sun. (When weather is hot, it is best to mail samples at the beginning of the week.)

Explanation of Extraction Procedures:

Soil-General Processing: Elutriation/Centrifugation -- determines number and genus of plant parasites in soil, including larval counts of root-knot and cyst nematodes.

Roots or Plant Tissue: Baerman funnel or mist chamber -- determines number and genus of plant parasites within roots or tissue.

Dagger Nematode: Elutriation/Baerman funnel -- for Xiphinema counts only.

Cyst Nematode: Elutriation/Floatation -- for Cyst counts only. Please indicate if egg counts are also required.

Species Identification: Perineal Pattern or Phastgel for Root-knot. Adult female nematodes are required for any species I.D.

Explanation of Sample Report:

All counts are expressed as # of nematodes/liter (for soil), or # of nematodes/gram (for roots or plant tissue). Correction factors are used to adjust for extraction methods and soil volumes. These correction factors vary, but for most soil samples actual counts are multiplied by 50.