RESEARCH PLOT OR GROWER
NAME: [REDACTED]
LOCATION: Winters

FARM ADVISOR OR COOPERATOR
NAME: [REDACTED]
COUNTY: Yolo

SEND COPIES TO: ________________________

GENERAL INFORMATION
DATE SAMPLIED: Dec 28, 1995
% OF PLANTING AFFECTED: 100%
CROP: Almonds
VARIETY: ________________________
ROOTSTOCK: Peach

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

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

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

SYMPTOMS:
[ ] STUNTING
[ ] SLOW DECLINE
[ ] MALFORMATION
[ ] DISEASE
[ ] SUDDEN COLLAPSE
[ ] ROOT GALLS
[ ] YELLLOWING
[ ] WILTING
[ ] OTHER: ________________________

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

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. NW 1
2. NW 2
3. SW
4. SE 1
5. SE 2
6. NE

COMMENTS OR QUESTIONS: Pulling orchard - Planting Pines

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

<table>
<thead>
<tr>
<th>Reg</th>
<th>Reg</th>
<th>Reg</th>
<th>Reg</th>
<th>Root</th>
<th>Xiph</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pratylenchus sp.</td>
<td>Stunt</td>
<td>Paratylenchus sp.</td>
<td>Xiphinema americanum</td>
<td>Paratylenchus sp.</td>
<td>Xiphinema americanum</td>
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### High #s

<table>
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<tr>
<th>Sample #</th>
<th>Rep</th>
<th>Trt</th>
<th>Info</th>
<th>M/lt</th>
<th>M/lt</th>
<th>M/lt</th>
<th>M/lt</th>
<th>M/gram</th>
<th>M/lt</th>
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<td>NW 1</td>
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<tr>
<td>2</td>
<td>NW 2</td>
<td>0</td>
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<td>250</td>
<td>0</td>
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<tr>
<td>4</td>
<td>SE 1</td>
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<td>100</td>
<td>350</td>
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<td>11</td>
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<tr>
<td>5</td>
<td>SE 2</td>
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<td>6</td>
<td>NE</td>
<td>50</td>
<td>100</td>
<td>150</td>
<td>0</td>
<td>0</td>
<td>90</td>
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</table>
NEMATODE SAMPLE SUBMISSION FORM
NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616
EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

RESEARCH PLOT OR GROWER

FARM ADVISOR OR COOPERATOR

NAME: ____________________________ NAME: ____________________________

LOCATION: Winters COUNTY: Yolo

SEND COPIES TO: ____________________________

GENERAL INFORMATION

DATE SAMPLED: Feb 22, 96 % OF PLANTING AFFECTED: 10%

CROP: Walnut VARIETY: Chandler ROOTSTOCK: Paradigm

SOIL TYPE:

[ ] SAND
[ ] LOAM
[ ] SILT LOAM
[ ] SILTY CLAY LOAM
[ ] LOAMY SAND
[ ] SILT
[ ] SANDY CLAY
[ ] SILTY CLAY
[ ] SANDY LOAM
[ ] CLAY LOAM
[ ] CLAY
[ ] 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
[ ] SLOW DECLINE
[ ] MALFORMATION
[ ] DIEBACK
[ ] SUDDEN COLLAPSE
[ ] ROOT GALLS
[ ] YELLOWING
[ ] WILTING
[ ] OTHER: ____________________________

NUMBER OF EACH TYPE OF SAMPLE:

[ ] REGULAR SOIL
[ ] ROOT SAMPLE
[ ] XIPHINEMA SAMPLE
[ ] CYST SAMPLE
[ ] TISSUE 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. __5__ of house
2. __W__ of house
3. __52 acres
4. ____________________________
5. ____________________________
6. ____________________________

COMMENTS OR QUESTIONS: Newly planted walnut - Old Almond Orchard

PLEASE REFER TO THE SAMPLE INFORMATION SHEET, OR CONTACT OUR LAB IF MORE INFORMATION IS NEEDED ON COLLECTING, STORING AND SHIPPING SAMPLES.
<table>
<thead>
<tr>
<th>SAMPLE #</th>
<th>REP</th>
<th>TREATMENT</th>
<th>INFO</th>
<th># LITER</th>
<th># LITER</th>
<th># GRAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>S OF HOUSE</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>W OF HOUSE</td>
<td>2,200</td>
<td>250</td>
<td></td>
<td>2</td>
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<tr>
<td>3</td>
<td>57 ACRES</td>
<td>450</td>
<td>0</td>
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</tbody>
</table>

**NEMATODE**
- Crenonella sp.
- Pratylenchus neglectus
- Pratylenchus neglectus

**HIGH #'S**
- 2,200
- 250
- 3
NEMATODE SAMPLE SUBMISSION FORM

RESEARCH PLOT OR GROWER
NAME: 
LOCATION: 

FARM ADVISOR OR COOPERATOR
NAME: 
COUNTY: Glenn

SEND COPIES TO: 

GENERAL INFORMATION
DATE SAMPLED: 3-21
% OF PLANTING AFFECTED: 

CROP: Olives
VARIETY: Squillano
ROOTSTOCK: 

SOIL TYPE:
[ ] SAND
[ ] LOAM
[ ] LOAMY SAND
[ ] SILT LOAM
[ ] SANDY LOAM
[ ] SILT
[ ] FINE SANDY LOAM
[ ] CLAY LOAM
[ ] 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
[ ] SLOW DECLINE
[ ] MALFORMATION
[ ] DIEBACK
[ ] SUDDEN COLLAPSE
[ ] ROOT GALLS
[ ] YELLOWING
[ ] WILTING
[ ] OTHER: 

NUMBER OF EACH TYPE OF SAMPLE:
REGULAR SOIL
XIPHINEMA SAMPLE
SPECIES I.D. FOR: Citrus Nematodes

ROOT SAMPLE
TISSUE SAMPLE
CYST SAMPLE
EGG SAMPLE

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: unthrifty appearance of trees

PLEASE REFER TO THE SAMPLE INFORMATION SHEET, OR CONTACT OUR LAB IF MORE INFORMATION IS NEEDED ON COLLECTING, STORING AND SHIPPING SAMPLES.
<table>
<thead>
<tr>
<th>TYPE OF SAMPLE</th>
<th>REG</th>
<th>REG</th>
<th>ROOT</th>
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</thead>
<tbody>
<tr>
<td>NEMATODE</td>
<td>Tylenchulus semipenetrans</td>
<td>Spiral</td>
<td>Tylenchulus semipenetrans</td>
</tr>
</tbody>
</table>

| HIGH #S | 80,000 | 600 | 206 |

<table>
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<tr>
<th>SAMPLE #</th>
<th>REP</th>
<th>TRT</th>
<th>INFO</th>
<th>MULITER</th>
<th>MULITER</th>
<th>MONITAM</th>
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<td>1</td>
<td>80,000</td>
<td>600</td>
<td>206</td>
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**NEMATODE SAMPLE INFORMATION SHEET**

<table>
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<tr>
<th>LOG #</th>
<th>DATE RECEIVED</th>
<th>SERVICE</th>
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<tr>
<td>029 - 96</td>
<td>4-18-96</td>
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<tr>
<th># REG SAMPLES</th>
<th># XIPH SAMPLES</th>
<th># CYST SAMPLES</th>
<th># EGG SAMPLES</th>
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</thead>
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<table>
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<tr>
<th># ROOT SAMPLES</th>
<th># TISSUE SAMPLES</th>
<th># SAMPLE ID</th>
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</table>

**GLEN**

**COUNTY**

**RESEARCH PLOT OR GROWER**

**NAME**

**LOCATION**

**DATE SAMPLED**

**PRUNE**

**CROP**

**VARIETY**

**SYMPTOMS**

**ROOTSTOCK**

**DISTRIBUTION**

<table>
<thead>
<tr>
<th>% AFFECTED</th>
<th>ORGANIC CONTENT</th>
<th>SOIL TYPE</th>
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</thead>
<tbody>
<tr>
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</tbody>
</table>

**NOTES**

- **NONE**
- **YES**
- **NO**

**PREVIOUS SAMPLE #(S)**

**MORE INFO NEEDED?**

**INCLUDE IN DIST DATA?**

**SAMPLE LIST**

<table>
<thead>
<tr>
<th>SAMPLE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
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</tbody>
</table>

<p>| 2     | 3 |
| 4     | 5 |
| 6     | 7 |
| 8     | 9 |
| 10    | 11|
| 12    | 13|
| 14    | 15|
| 16    | 17|
| 18    | 19|
| 20    | 21|
| 22    | 23|
| 24    |   |</p>
<table>
<thead>
<tr>
<th>TYPE OF SAMPLE</th>
<th>REG</th>
<th>ROOT</th>
<th>XIPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEMATODE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Plant parasitic nema</td>
<td>Plant parasitic nema</td>
<td>Xiphinema sp.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HIGH #S</th>
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<th></th>
</tr>
</thead>
<tbody>
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<td>0</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SAMPLE #</th>
<th>REP</th>
<th>TRT</th>
<th>INFO</th>
<th>MILLITER</th>
<th>MGGRAM</th>
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### Nematode Sample Information Sheet

**Log #** 030-96  
**Date Received** 4-18-96  
**Type of Samples** RESEARCH

<table>
<thead>
<tr>
<th># Reg Samples</th>
<th># Xiph Samples</th>
<th># Cyst Samples</th>
<th># Egg Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>18</td>
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<table>
<thead>
<tr>
<th># Root Samples</th>
<th># Tissue Samples</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
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</tr>
</tbody>
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**County** NOT GIVEN  
**Farm Advisor** [Redacted]  
**Title or Company** [Redacted]

**Research Plot or Grower** [Redacted]

**Name**

**Date Sampled** 4-15-96

**Crop**

**Symptoms**

- STUNTING
- SLOW DECLINE
- MALFORMATION
- DIEBACK
- SUDDEN COLLAPSE
- ROOT GALLS
- YELLOWING
- WILTING

**Send Copies To**

- SAND
- LOAMY SAND
- SANDY LOAM
- FINE SANDY LOAM
- VERY FINE SANDY LOAM
- LOAM
- SILT LOAM
- SILT
- CLAY LOAM
- SANDY CLAY LOAM
- SILTY CLAY LOAM
- SANDY CLAY
- SILTY CLAY
- CLAY
- CUSTOM MIX
- SOIL TYPE

**Variety**

**Rootstock**

**% Affected**

**Organic Content**

**Distribution**

**Preplant Samples from Old Vineyard with Phyloxera - Old vines have been cut off - New vines will be planted next to old roots**

**Notes**

- **Previous Sample #(s)**
- **More Info Needed?**
- **Include in Dist Data?**

**Sample List**

<table>
<thead>
<tr>
<th>Sample</th>
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</thead>
<tbody>
<tr>
<td>ROW13 N</td>
</tr>
<tr>
<td>ROW21 N</td>
</tr>
<tr>
<td>ROW28 N</td>
</tr>
<tr>
<td>ROW41 N</td>
</tr>
<tr>
<td>ROW47 N</td>
</tr>
<tr>
<td>ROW63 N</td>
</tr>
<tr>
<td>EN19</td>
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<td>EN39</td>
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<td>EN42</td>
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<td>EN61</td>
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<td>EN66</td>
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</tr>
<tr>
<td>37W</td>
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<tr>
<td>46W</td>
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<tr>
<td>56W</td>
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</tbody>
</table>

**Notes**

- **None**
- **Yes**  **No**  
- **Yes**  **No**
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<thead>
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<th>SAMPLE #</th>
<th>REP</th>
<th>TRT</th>
<th>INFO</th>
<th>#LITER</th>
<th>#LITER</th>
<th>#LITER</th>
<th>#LITER</th>
<th>#LITER</th>
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<td>5</td>
<td>ROW 47 N</td>
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<td>0</td>
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<tr>
<td>6</td>
<td>ROW 63 N</td>
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<tr>
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<td>8 W</td>
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<td>0</td>
<td>0</td>
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<td>14</td>
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<td>80</td>
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</tr>
<tr>
<td>15</td>
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<td>267</td>
<td>0</td>
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<td>0</td>
</tr>
<tr>
<td>16</td>
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<tr>
<td>17</td>
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<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>18</td>
<td>56 W</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
NEMATODE SAMPLE SUBMISSION FORM
NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616
EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

RESEARCH PLOT OR GROWER
NAME: ____________________________
LOCATION: Ceres
SEND COPIES TO: _______________________

FARM ADVISOR OR COOPERATOR
NAME: ____________________________
COUNTY: ____________________________

GENERAL INFORMATION
DATE SAMPLED: 5/1/96 % OF PLANTING AFFECTED: ________________
CROP: Almond 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 ___________
XIPHINEMA SAMPLE ___________ TISSUE SAMPLE ___________
SPECIES I.D. FOR: ___________ CYST SAMPLE ___________
EGG SAMPLE ___________

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

1. Row 11 W
2. Row 20 S
3. Row 43 N
4. Row 27 N
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.
<table>
<thead>
<tr>
<th>SAMPLE #</th>
<th>REP</th>
<th>TRT</th>
<th>INFO</th>
<th>#LITER</th>
<th>#LITER</th>
<th>#LITER</th>
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</thead>
<tbody>
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<td>1</td>
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<td>ROW 43N</td>
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<td>ROW 27N</td>
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**NEMATODE**

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<th>REG</th>
<th>REG</th>
<th>XIPH</th>
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<tr>
<td>Nematode</td>
<td>Criconemella sp.</td>
<td>Paratylenchus sp.</td>
<td>Xiphinema sp.</td>
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<tr>
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LOG NUMBER: 4396  DATE RECEIVED: 5/9/96  SERVICE-OR-RESEARCH

NEMATODE SAMPLE SUBMISSION FORM
NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616
EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

RESEARCH PLOT OR GROWER  FARM ADVISOR OR COOPERATOR

NAME:  

LOCATION:  

SEND COPIES TO:  

GENERAL INFORMATION

DATE SAMPLED: 9 May 96  % OF PLANTING AFFECTED: 30%

CROP: vineyard  VARIETY: Chardonnay  ROOTSTOCK: Freedom

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. Affected Chardonnay
2. Normal - No symptoms
3. 

COMMENTS OR QUESTIONS: furrow irrigation, manure & compost used

as fertilizer

PLEASE REFER TO THE SAMPLE INFORMATION SHEET, OR CONTACT OUR LAB IF MORE
INFORMATION IS NEEDED ON COLLECTING, STORING AND SHIPPING SAMPLES.
<table>
<thead>
<tr>
<th>TYPE OF SAMPLE</th>
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<th>REG</th>
<th>XIPH</th>
<th>XIPH</th>
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<tr>
<td></td>
<td>C. conomela sp.</td>
<td>Xiphinema index</td>
<td>Xiphinema index</td>
<td>Trichodorus sp.</td>
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<td>1,600</td>
<td>50</td>
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<tr>
<td>2</td>
<td>NORMAL - NO SYMPTOMS</td>
<td>1,700</td>
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</table>
RESEARCH PLOT OR GROWER

NAME: 

LOCATION: Healdsburg, Sonoma

COUNTY: Sonoma County

SEND COPIES TO: 

GENERAL INFORMATION

DATE SAMPLED: 5/20/96

% OF PLANTING AFFECTED: 20% - 40%

CROP: Grape Vines

VARIETY: Malbec

ROOTSTOCK: St. George

SOIL TYPE:

[ ] SAND
[ ] LOAM
[ ] LOAMY SAND
[ ] SILT
[ ] SILT LOAM
[ ] CLAY LOAM
[ ] SANDY CLAY LOAM
[ ] SANDY CLAY
[ ] SILTY CLAY
[ ] SILTY CLAY LOAM
[ ] CUSTOM MIX

ORGANIC CONTENT OF SOIL:

[ ] LOW
[ ] MEDIUM
[ ] HIGH

DISTRIBUTION OF AFFECTED PLANTS:

[ ] GENERAL
[ ] LOCALIZED AREAS
[ ] SCATTERED PLANTS

SYMPTOMS:

[ ] STUNTING
[ ] SLOW DECLINE
[ ] MALFORMATION
[ ] DIEBACK
[ ] SUDDEN COLLAPSE
[ ] ROOT GALLS
[ ] YELLOWING
[ ] WILTING
[ ] OTHER: Old Vines

NUMBER OF EACH TYPE OF SAMPLE:

[ ] REGULAR SOIL
[ ] XIPHINEMA SAMPLE
[ ] ROOT SAMPLE
[ ] TISSUE SAMPLE
[ ] CYST 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: Could be Pierce's Disease, because 'edge' of Block is near stream, there are more stunted vines near 'edge'.

PLEASE REFER TO THE SAMPLE INFORMATION SHEET, OR CONTACT OUR LAB IF MORE INFORMATION IS NEEDED ON COLLECTING, STORING AND SHIPPING SAMPLES.
<table>
<thead>
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DATE: 6/13/96
LOG #: 046.96
DATE REC'D: 6/21/96
CROP: GRAPE
PLOT OR GROWER: [Redacted]
COOPERATORS: [Redacted]

TYPE OF SAMPLE

NEMATODE

HIGH #S

XIPH

Xiphinema Index

460
NEMATODE SAMPLE INFORMATION SHEET

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<td>6-7-96</td>
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<table>
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<tr>
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<th># TISSUE SAMPLES</th>
<th># SAMPLE ID</th>
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<th>TITLE OR COMPANY</th>
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RESEARCH PLOT OR GROWER

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DATE SAMPLED

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<th>SYMPTOMS</th>
<th>ORGANIC CONTENT</th>
<th>SOIL TYPE</th>
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<td>SAND</td>
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<td></td>
<td>SLOW DECLINE</td>
<td></td>
<td>LOAMY SAND</td>
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<td></td>
<td>MALFORMATION</td>
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<td>SANDY LOAM</td>
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<td>DIEBACK</td>
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<td>FINE SANDY LOAM</td>
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<td>SUDDEN COLLAPSE</td>
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<td>SILT</td>
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<td>CLAY LOAM</td>
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<td>SANDY CLAY LOAM</td>
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<td>CUSTOM MIX</td>
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% AFFECTED

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PREVIOUS SAMPLE(S) | MORE INFO NEEDED? | INCLUDE IN DIST DATA? |
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TYPE OF SAMPLE

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<tr>
<th>REG</th>
<th>REG</th>
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</thead>
<tbody>
<tr>
<td>C. elegans</td>
<td>Pratylenchus vulnus</td>
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HIGH #/S

4,800 750
NEMATODE SAMPLE INFORMATION SHEET

LOG # | DATE RECEIVED | RESEARCH |
------|---------------|----------|
058 - 96 | 6-7-96 | TYPE OF SAMPLES |

# REG SAMPLES | # XIPH SAMPLES | # CYST SAMPLES | # EGG SAMPLES |
8 | 0 | 0 | 0 |

# ROOT SAMPLES | # TISSUE SAMPLES | # SAMPLE ID |
0 | 0 | 0 |

COUNTY | FARM ADVISOR | TITLE OR COMPANY |

RESEARCH PLOT OR GROWER | NAME |

LOCATION | SEND COPIES TO |

DATE SAMPLED | STUNTING | SLOW DECLINE | MALFORMATION | DIEBACK | SUDDEN COLLAPSE | ROOT GALLS | YELLOWING | WILTING |

ALMOND | CROP |

VARIETY | SYMPTOMS |

ROOTSTOCK | DISTRIBUTION |

% | ORGANIC CONTENT |

% AFFECTED | SOIL TYPE |

NOTES

PREVIOUS SAMPLE #(S) | YES | NO |
MORE INFO NEEDED? | YES | NO |
INCLUDE IN DIST DATA? | YES | NO |
DATE: 7/11/86
LOG #: 058-86
DATE REC'D: 6/7/86
CROP: ALMOND
PLOT OR GROWER: [Redacted]
COOPERATORS: [Redacted]

* sample spilled
Pratylenchus is a mixed population including P. vulnus and P. penetrans

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<thead>
<tr>
<th>TYPE OF SAMPLE</th>
<th>REG</th>
<th>REG</th>
<th>REG</th>
<th>REG</th>
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<tbody>
<tr>
<td>NEMATODE</td>
<td>C. crenata sp.</td>
<td>Pratylenchus sp.</td>
<td>Paratylenchus sp.</td>
<td>Trichodorus sp.</td>
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<tr>
<td>HIGH #S</td>
<td>3,200</td>
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<td>S2</td>
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EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814
# NEMATODE SAMPLE INFORMATION SHEET

**Log #:** 061 - 96

**Date Received:** 6-13-96

**Service:**

<table>
<thead>
<tr>
<th># Reg Samples</th>
<th># Xiph Samples</th>
<th># Cyst Samples</th>
<th># Egg Samples</th>
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</thead>
<tbody>
<tr>
<td>4</td>
<td>4</td>
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</tr>
</tbody>
</table>

**County:**

- **Mendocino**

**Research Plot or Grower:**

- **Name:**

**Location:**

- **Redwood Valley**

**Date Sampled:**

**Crop:**

**Variety:**

**Rootstock:**

**% Affected:**

**Organic Content:**

**Send Copies To:**

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<tr>
<th>Sample List</th>
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<tbody>
<tr>
<td>1.</td>
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<tr>
<td>23.</td>
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<tr>
<td>24.</td>
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</tbody>
</table>

**Symptoms:**

- Stunting
- Slow Decline
- Malformation
- Dieback
- Sudden Collapse
- Root Galls
- Yellowing
- Wilting

**Soil Type:**

- Sand
- Loamy Sand
- Sandy Loam
- Fine Sandy Loam
- Very Fine Sandy Loam
- Loam
- Silt Loam
- Silt
- Clay Loam
- Sandy Clay Loam
- Silty Clay Loam
- Sandy Clay
- Silty Clay
- Clay
- Custom Mix

**Notes:**

- None

- Yes
- No

- Yes
- No

**Previous Sample #(s):**

**More Info Needed?**

**Include in Dist Data?**

---

2/
<table>
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<th>TRT</th>
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<th>REG</th>
<th>XIPH</th>
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<td>M.</td>
<td>T.</td>
<td>X.</td>
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<tr>
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<td>elyg</td>
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<td>160</td>
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NEMATODE SAMPLE INFORMATION SHEET

071 - 96
LOG #
7-1-96
DATE RECEIVED
SERVICE
_TYPE OF SAMPLES
2
# REG SAMPLES
2
# XIPH SAMPLES
0
# CYST SAMPLES
0
# EGG SAMPLES
1
# ROOT SAMPLES
0
# TISSUE SAMPLES
0
# SAMPLE ID

MENDOCINO
COUNTY
FARM ADVISOR

RESEARCH PLOT OR GROWER
NOT GIVEN
NAME

LOCATION

SEND COPIES TO

□ STUNTING
□ SLOW DECLINE
□ MALFORMATION
□ DIEBACK
□ SUDDEN COLLAPSE
□ ROOT GALLS
□ YELLOWING
□ WILTING

DATE SAMPLED

GRAPE
CROP

VARIETY

SYMPTOMS

ROOTSTOCK

DISTRIBUTION

% AFFECTED

ORGANIC CONTENT

SOIL TYPE

INCLUDE NOTE TO F.A.: PLEASE INCLUDE A LOG SHEET WITH SAMPLES AND PLACE THEM IN A PLASTIC BAG (PAPER FALLS APART)

NOTES

NONE

PREVIOUS SAMPLE #(S)

□ YES □ NO

MORE INFO NEEDED?

□ YES □ NO

INCLUDE IN DIST DATA?

SAMPLE LIST

1. CAB SOIL
2. CHARD SOIL
3. CHARD ROOTS
4. 5.
6. 7.
8. 9.
10. 11.
12. 13.
14. 15.
16. 17.
18. 19.
20. 21.
22. 23.
24.

23
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<thead>
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<th>SAMPLE #</th>
<th>REP</th>
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<th>MLITER</th>
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<tbody>
<tr>
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<tr>
<td>3</td>
<td>CHARD ROOTS</td>
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**TYPE OF SAMPLE**

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<tr>
<th>REG</th>
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<tr>
<td>NEMATODE</td>
<td>Paratylenchus sp.</td>
<td>Plant parasitic nemas</td>
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**HIGH #S**

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</table>
RESEARCH PLOT OR GROWER

NAME: [REDACTED]
LOCATION: Woodland

FARM ADVISOR OR COOPERATOR

NAME: [REDACTED]
COUNTY: Yolo

SEND COPIES TO: ____________________________

GENERAL INFORMATION

DATE SAMPLED: July 13, 1996 % OF PLANTING AFFECTED: 100%
CROP: Walnut VARIETY: Hartley ROOTSTOCK: No CA Black

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

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

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

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

NUMBER OF EACH TYPE OF SAMPLE:
[ ] REGULAR SOIL
[ ] XIPHINEMA SAMPLE
[ ] TISSUE SAMPLE
[ ] ROOT SAMPLE
[ ] CYST SAMPLE
[ ] EGG SAMPLE

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. [REDACTED] 4. __________
2. __________ 5. __________
3. __________ 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.
<table>
<thead>
<tr>
<th>SAMPLE #</th>
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<tbody>
<tr>
<td>4</td>
<td>700</td>
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<td>261</td>
<td>83</td>
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**Type of Sample:**

- Nematode
  - Pratylenchus penetrans
  - Pratylenchus sp.

**High #s:**

- 700
- 250
- 261
- 83
NEMATODE SAMPLE SUBMISSION FORM
NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616
EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

RESEARCH PLOT OR GROWER

NAME: ____________________________ NAME: ____________________________
LOCATION: DAVIS COUNTY: Yolo
SEND COPIES TO: ________________________

GENERAL INFORMATION

DATE SAMPLED: 7/15/96 % OF PLANTING AFFECTED: __________
CROP: Chinese Hackberry VARIETY: __________ ROOTSTOCK: __________
SOIL TYPE: ____________________________
[ ] SAND [ ] LOAM [ ] SILTY CLAY LOAM
[ ] LOAMY SAND [ ] SILT LOAM [ ] SANDY CLAY
[ ] SANDY LOAM [ ] CLAY LOAM [ ] SILTY CLAY
[ ] FINE SANDY LOAM [ ] SANDY CLAY LOAM [ ] CLAY
[ ] VERY FINE SANDY LOAM [ ] CUSTOM MIX ________

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

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

SYMPTOMS: [ ] STUNTING [ ] DIEBACK [ ] YELLOWS
[ ] 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. K St. Park - Healthy 4. CA Ave Poor
2. 430 11th St. - Poor 5. ____________________________
3. Buellotte/Hutchison - Good 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.
<table>
<thead>
<tr>
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<th>HIGH # S</th>
<th>XIPH</th>
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<td>K ST. PARK - HEALTHY</td>
<td>3,500</td>
<td>200</td>
<td>0</td>
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<tr>
<td>2</td>
<td>430 11TH ST - POOR</td>
<td>133</td>
<td>1,067</td>
<td>133</td>
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<tr>
<td>3</td>
<td>BIOLETTI/HUTCHISON - GOOD</td>
<td>3,600</td>
<td>400</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>CA AVE. - POOR</td>
<td>400</td>
<td>600</td>
<td>800</td>
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</tbody>
</table>
NEMATODE SAMPLE SUBMISSION FORM
NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616
EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

RESEARCH PLOT OR GROWER

FARM ADVISOR OR COOPERATOR

NAME: ___________________________ NAME: ___________________________

LOCATION: ESCALON COUNTY: SAN JOAQUIN

SEND COPIES TO: ___________________________

GENERAL INFORMATION

DATE SAMPLED: 8/13/96 % OF PLANTING AFFECTED: ____________

CROP: WALNUT VARIETY: VARIOUS ROOTSTOCK: BLACK

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:
[ ] DISTUANTING [ ] DIEBACK [ ] YELOWING
[ ] SLOW DECLINE [ ] SUDDEN COLLAPSE [ ] WILTING
[ ] MALFORMATION [ ] ROOT GALLS [ ] OTHER: ____________

NUMBER OF EACH TYPE OF SAMPLE:
2 REGULAR SOIL [ ] ROOT SAMPLE
[ ] XIPHinema SAMPLE [ ] TISSUE SAMPLE
[ ] SPECIES I.D. FOR: ____________
[ ] CYST SAMPLE [ ] EGG SAMPLE

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. 8/13 4. ____________
2. 8/13 5. ____________
3. ____________ 6. ____________

COMMENTS OR QUESTIONS: P. vulnus?  C. ciconemoides?

PLEASE REFER TO THE SAMPLE INFORMATION SHEET, OR CONTACT OUR LAB IF MORE
INFORMATION IS NEEDED ON COLLECTING, STORING AND SHIPPING SAMPLES.
<table>
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NEMATODE SAMPLE INFORMATION SHEET

LOG # 147-96
DATE RECEIVED 12-18-96
TYPE OF SAMPLES

# REG SAMPLES 2
# XYPH SAMPLES 0
# CYST SAMPLES 0
# EGG SAMPLES 0

# ROOT SAMPLES 2
# TISSUE SAMPLES 0
# SAMPLE ID 0

SAN JOAQUIN COUNTY
FARM ADVISOR

RESEARCH PLOT OR GROWER
NAME

LOCATION
LOCATION

DATE SAMPLED 12-16-96

WALNUT CROP

VARIETY

ENGLISH ROOTSTOCK

% AFFECTED

DISTRIBUTION

ORGANIC CONTENT

SOIL TYPE

□ SAND
□ LOAMY SAND
□ SANDY LOAM
□ FINE SANDY LOAM
□ VERY FINE SANDY LOAM
□ LOAM
□ SILT LOAM
□ SILT
□ CLAY LOAM
□ SANDY CLAY LOAM
□ SILTY CLAY LOAM
□ SANDY CLAY
□ SILTY CLAY
□ CLAY
□ CUSTOM MIX

SYMPTOMS

□ STUNTING
□ SLOW DECLINE
□ MALFORMATION
□ DIEBACK
□ SUDDEN COLLAPSE
□ ROOT GALLS
□ YELLOWING
□ WILTING

4 YR OLD WALNUT: STUNTING, LOW VIGOR, SOME ROOT NECROSIS

NOTES

NONE

PREVIOUS SAMPLE #(S)

□ YES □ NO
MORE INFO NEEDED?

□ YES □ NO
INCLUDE IN DIST DATA?

SAMPLE LIST

1. GOOD
2. POOR
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
16.
17.
18.
19.
20.
21.
22.
23.
24.
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<th>MLTTER</th>
<th>PLTTER</th>
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<td>100</td>
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<tr>
<td>2</td>
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<td>16,800</td>
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**NEMATODE SAMPLE INFORMATION SHEET**

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<th>SERVICE TYPE OF SAMPLES</th>
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<tr>
<td>132-96</td>
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<th># CYST SAMPLES</th>
<th># EGG SAMPLES</th>
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<table>
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<th># TISSUE SAMPLES</th>
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**YOLO COUNTY**  
**RESEARCH PLOT OR GROWER**  
**FARM ADVISOR**  
**TITLE OR COMPANY**  
**LOCATION**  
**DATE SAMPLED**

**TOMATO CROP**

**VARIETY**  
**SYMPTOMS**

- STUNTING
- SLOW DECLINE
- MALFORMATION
- DIEBACK
- SUDDEN COLLAPSE
- ROOT GALLS
- YELLOWING
- WILTING
- SAND
- LOAMY SAND
- SANDY LOAM
- FINE SANDY LOAM
- VERY FINE SANDY LOAM
- LOAM
- SILT LOAM
- Silt
- CLAY LOAM
- SANDY CLAY LOAM
- SILTY CLAY LOAM
- SANDY CLAY
- SILTY CLAY
- CLAY
- CUSTOM MIX

**ROOTSTOCK**  
**DISTRIBUTION**

**ORGANIC CONTENT**

**SOIL TYPE**

**CHECK FOR NEMAS - WILL BE PLANTED TO TOMATO - WAS IN CORN**

**NOTES**

- NONE
- YES  NO
- YES  NO

**PREVIOUS SAMPLE #(S)**

**MORE INFO NEEDED?**

**INCLUDE IN DIST DATA?**
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LOG NUMBER: 133-96  DATE RECEIVED: 11/1/96  SERVICE-DR-RESEARCH

NEMATODE SAMPLE SUBMISSION FORM  
NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA  95616
EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

RESEARCH PLOT OR GROWER  FARM ADVISOR OR COOPERATOR

NAME: ___________________________________________ NAME: ___________________________________________
LOCATION: ___________________________________________ COUNTY: BUTTE
SEND COPIES TO: ___________________________________________

GENERAL INFORMATION

DATE SAMPLED: 11/1/96  % OF PLANTING AFFECTED: 10-15%
CROP: ALMOND  VARIETY: PEERLESS  ROOTSTOCK: Z624

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  [ ] DRYBACK  [ ] SUDDEN COLLAPSE
[ ] SLOW DECLINE  [ ] WILTING  [ ] 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. ________________________  4. ________________________
2. ________________________  5. ________________________
3. ______  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.
<table>
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<tr>
<th>SAMPLE #</th>
<th>REP</th>
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NEMATODE SAMPLE INFORMATION SHEET

LOG # 137-96

DATE RECEIVED 11-5-96

SERVICE

TYPE OF SAMPLES

# REG SAMPLES 8

# XIPH SAMPLES 8

# CYST SAMPLES 0

# EGG SAMPLES 0

# ROOT SAMPLES 0

# TISSUE SAMPLES 0

# SAMPLE ID 0

FRESNO COUNTY

FARM ADVISOR

TITLE OR COMPANY

RESEARCH PLOT OR GROWER PARLIER

NAME

LOCATION

DATE SAMPLED

GRAPE

CROP

VARIETY

SYMPTOMS

STUNTING

SLOW DECLINE

MALFORMATION

DIEBACK

SUDDEN COLLAPSE

ROOT GALLS

YELLOWING

WILTING

ROOTSTOCK

DISTRIBUTION

% AFFECTED

ORGANIC CONTENT

SOIL TYPE

SAND

LOAMY SAND

SANDY LOAM

FINE SANDY LOAM

VERY FINE SANDY LOAM

LOAM

SILT LOAM

SILT

CLAY LOAM

SANDY CLAY LOAM

Silty CLAY LOAM

SANDY CLAY

SILTY CLAY

CLAY

CUSTOM MIX

SOIL WAS VERY DRY (LIKE POWDER)

NOTES

NONE

● YES ● NO

PREVIOUS SAMPLE #(S)

MORE INFO NEEDED?

● YES ● NO

INCLUDE IN DIST DATA?
**Date:** 11/19/96  
**Log #:** 137-96  
**Date Rec'd:** 11/5/96  
**Crop:** Grape  
**Plot or Grower:** Parlier  
**Cooperators:**  

**Soil was very dry!**

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<tr>
<th>Type of Sample</th>
<th>REG</th>
<th>REG</th>
<th>Xiph</th>
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<tbody>
<tr>
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<td>Pratylenchus sp.</td>
<td>Pratylenchus sp.</td>
<td>Xiphinema americanum</td>
</tr>
<tr>
<td>High #s</td>
<td>133</td>
<td>200</td>
<td>20</td>
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RESEARCH PLOT OR GROWER
NAME: ____________

LOCATION: GERBER

SEND COPIES TO: ____________

FARM ADVISOR OR COOPERATOR
NAME: ____________

COUNTY: Tehama

GENERAL INFORMATION

DATE SAMPLED: 10/96   % OF PLANTING AFFECTED: 100

CROP: Almond   VARIETY: Non-pariel   ROOTSTOCK: Nematocult

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

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

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

SYMPTOMS:
[ ] STUPTING
[ ] SLOW DECLINE
[ ] MALFORMATION
[ ] DIEBACK
[ ] SUDDEN COLLAPSE
[ ] ROOT GALLS
[ ] YELLOWING
[ ] WILTING
[ ] 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. ____________ 4. ____________
2. ____________ 5. ____________
3. Cindy / Becky

COMMENTS OR QUESTIONS: General poor tree performance would Nema be part of the problem? Thank you.

PLEASE REFER TO THE SAMPLE INFORMATION SHEET, OR CONTACT OUR LAB IF MORE INFORMATION IS NEEDED ON COLLECTING, STORING AND SHIPPING SAMPLES.
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<td>CUSTOM MIX</td>
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6 YRS. OLD - OWN ROOTED 87 PLOT

NOTES

NONE

PREVIOUS SAMPLE #(S)

○ YES ○ NO

MORE INFO NEEDED?

○ YES ○ NO

INCLUDE IN DIST DATA?

41
**DATE:** 12/16/96  
**LOG #:** 140-96  
**DATE RECD:** 11/18/96  
**CROP:** WALNUT  
**PLOT OR GROWER:**  
**COOPERATORS:**  

* INCLUDES OTHER SPECIES OF PRATYLENCHUS.

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RESEARCH PLOT OR GROWER

NAME: __________________________________________

LOCATION: Monterey Co.

SEND COPIES TO: __________________________________________

FARM ADVISOR OR COOPERATOR

NAME: __________________________________________

COUNTY: Santa Cruz Co.

GENERAL INFORMATION

DATE SAMPLED: 12-3-96 % OF PLANTING AFFECTED: ____________________

CROP: ROSE VARIETY: ____________________ ROOTSTOCK: ____________________

SOIL TYPE:

[ ] SAND
[ ] LOAMY SAND
[ ] SANDY LOAM
[ ] FINE SANDY LOAM
[ ] VERY FINE SANDY LOAM

ORGANIC CONTENT OF SOIL:

[ ] LOW
[ ] MEDIUM
[ ] HIGH

DISTRIBUTION OF AFFECTED PLANTS:

[ ] GENERAL
[ ] LOCALIZED AREAS
[ ] SCATTERED PLANTS

SYMPTOMS:

[ ] STUNTING
[ ] SLOW DECLINE
[ ] MALFORMATION
[ ] DIEBACK
[ ] SUDDEN COLLAPSE
[ ] YELLOWING
[ ] WILTING
[ ] OTHER: ____________________

NUMBER OF EACH TYPE OF SAMPLE:

REGULAR SOIL

XIPHINEMA SAMPLE

SPECIES I.D. FOR: ____________________

ROOT SAMPLE

TISSUE SAMPLE

CYST SAMPLE

EGG SAMPLE

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. Royalty

2. Lady Liberty

3. Cara Mia

4. "Several Varieties"

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.
<table>
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<tr>
<th>SAMPLE #</th>
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**Fresno County**

**Research Plot or Grower**

**Name**

**Pat Noble**

**Location**

**Date Sampled**

12-18-96

**Grape**

**Crop**

**Variety**

**Symptoms**

- Stunting
- Slow Decline
- Malformation
- Dieback
- Sudden Collapse
- Root Galls
- Yellowing
- Wilting

**Send Copies To**

**Sample List**

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<td>RG3</td>
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<td>RG4</td>
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**Rootstock**

**Distribution**

**Organic Content**

**Soil Type**

- Sand
- Loamy Sand
- Sandy Loam
- Fine Sandy Loam
- Very Fine sandy Loam
- Loam
- Silty Loam
- Silt
- Clay Loam
- Sandy Clay Loam
- Silty Clay Loam
- Sandy Clay
- Silty Clay
- Clay
- Custom Mix

**Second Sample from this Field, First was too dry.**

**Notes**

137-96

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