

LOG NUMBER: ~~1-96~~ ~~1-96~~

DATE RECEIVED: 1/5/96

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: ~~_____~~

NAME: ~~_____~~

LOCATION: Winters

COUNTY: Yolo

SEND COPIES TO: _____

GENERAL INFORMATION

DATE SAMPLED: Dec 28, 1995 % OF PLANTING AFFECTED: 100%

CROP: Almond VARIETY: _____ ROOTSTOCK: Peach

SOIL TYPE:

- | | | |
|---|---|---|
| <input type="checkbox"/> SAND | <input type="checkbox"/> LOAM | <input type="checkbox"/> SILTY CLAY LOAM |
| <input type="checkbox"/> LOAMY SAND | <input checked="" type="checkbox"/> SILT LOAM | <input type="checkbox"/> SANDY CLAY |
| <input type="checkbox"/> SANDY LOAM | <input type="checkbox"/> SILT | <input type="checkbox"/> SILTY CLAY |
| <input type="checkbox"/> FINE SANDY LOAM | <input type="checkbox"/> CLAY LOAM | <input type="checkbox"/> CLAY |
| <input type="checkbox"/> VERY FINE SANDY LOAM | <input type="checkbox"/> SANDY CLAY LOAM | <input type="checkbox"/> CUSTOM MIX _____ |

ORGANIC CONTENT OF SOIL:

- | | | |
|---|---------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> LOW | <input type="checkbox"/> MEDIUM | <input type="checkbox"/> HIGH |
|---|---------------------------------|-------------------------------|

DISTRIBUTION OF AFFECTED PLANTS:

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> GENERAL | <input type="checkbox"/> LOCALIZED AREAS | <input type="checkbox"/> SCATTERED PLANTS |
|---|--|---|

SYMPTOMS:

- | | | |
|--|--|---------------------------------------|
| <input type="checkbox"/> STUNTING | <input type="checkbox"/> DIEBACK | <input type="checkbox"/> YELLOWING |
| <input checked="" type="checkbox"/> SLOW DECLINE | <input type="checkbox"/> SUDDEN COLLAPSE | <input type="checkbox"/> WILTING |
| <input type="checkbox"/> MALFORMATION | <input type="checkbox"/> ROOT GALLS | <input type="checkbox"/> OTHER: _____ |

NUMBER OF EACH TYPE OF SAMPLE:

- | | | |
|--|--|--------------------------------------|
| <input checked="" type="checkbox"/> REGULAR SOIL | <input type="checkbox"/> ROOT SAMPLE | <input type="checkbox"/> CYST SAMPLE |
| <input type="checkbox"/> XIPHINEMA SAMPLE | <input type="checkbox"/> TISSUE SAMPLE | <input type="checkbox"/> EGG SAMPLE |
| <input type="checkbox"/> 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. <u>NW 1</u> | 4. <u>SE 1</u> |
| 2. <u>NW 2</u> | 5. <u>SE 2</u> |
| 3. <u>SW</u> | 6. <u>NE</u> |

COMMENTS OR QUESTIONS: Pulling orchard - Planting Prunes

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

DATE: 2/28/96
 LOG #: ~~1458~~ 001-96
 DATE REC'D: 1/5/96
 CROP: ALMOND
 PLOT OR GROWER:
 COOPERATORS:

TYPE OF SAMPLE				REG	REG	REG	REG	ROOT	XIPH
NEMATODE				Pratylenchus sp.	Stunt	Paratylenchus sp.	Xiphinema americanum	Paratylenchus sp.	Xiphinema americanum
HIGH #'S				50	300	350	200	19	330
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER	#/LITER	#/GRAM	#/LITER
1			NW 1	50	0	0	0	3	267
2			NW 2	0	100	250	0	19	50
3			SW	0	100	0	200	0	139
4			SE 1	50	100	350	0	6	11
5			SE 2	50	300	250	0	14	330
6			NE	50	100	150	0	0	90

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

LOG NUMBER: 6-96 DATE RECEIVED: 2/23/96 SERVICE-OR-RESEARCH

NEMATODE SAMPLE SUBMISSION FORM
NEMATODOLOGY 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: [REDACTED] NAME: [REDACTED]

LOCATION: Winters COUNTY: Yolo

SEND COPIES TO: [REDACTED]

GENERAL INFORMATION

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

CROP: Walnut VARIETY: Chandler ROOTSTOCK: Paradise

SOIL TYPE:

- | | | |
|---|---|---|
| <input type="checkbox"/> SAND | <input type="checkbox"/> LOAM | <input type="checkbox"/> SILTY CLAY LOAM |
| <input type="checkbox"/> LOAMY SAND | <input checked="" type="checkbox"/> SILT LOAM | <input type="checkbox"/> SANDY CLAY |
| <input type="checkbox"/> SANDY LOAM | <input type="checkbox"/> SILT | <input type="checkbox"/> SILTY CLAY |
| <input type="checkbox"/> FINE SANDY LOAM | <input type="checkbox"/> CLAY LOAM | <input type="checkbox"/> CLAY |
| <input type="checkbox"/> VERY FINE SANDY LOAM | <input type="checkbox"/> SANDY CLAY LOAM | <input type="checkbox"/> CUSTOM MIX _____ |

ORGANIC CONTENT OF SOIL:

- | | | |
|---|---------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> LOW | <input type="checkbox"/> MEDIUM | <input type="checkbox"/> HIGH |
|---|---------------------------------|-------------------------------|

DISTRIBUTION OF AFFECTED PLANTS:

- | | | |
|----------------------------------|---|---|
| <input type="checkbox"/> GENERAL | <input checked="" type="checkbox"/> LOCALIZED AREAS | <input type="checkbox"/> SCATTERED PLANTS |
|----------------------------------|---|---|

SYMPTOMS:

- | | | |
|--|--|---------------------------------------|
| <input checked="" type="checkbox"/> STUNTING | <input type="checkbox"/> DIEBACK | <input type="checkbox"/> YELLOWING |
| <input checked="" type="checkbox"/> SLOW DECLINE | <input type="checkbox"/> SUDDEN COLLAPSE | <input type="checkbox"/> WILTING |
| <input type="checkbox"/> MALFORMATION | <input type="checkbox"/> ROOT GALLS | <input type="checkbox"/> OTHER: _____ |

NUMBER OF EACH TYPE OF SAMPLE:

- | | | |
|--|---|--------------------------------------|
| <input checked="" type="checkbox"/> REGULAR SOIL | <input checked="" type="checkbox"/> ROOT SAMPLE | <input type="checkbox"/> CYST SAMPLE |
| <input type="checkbox"/> XIPHINEMA SAMPLE | <input type="checkbox"/> TISSUE SAMPLE | <input type="checkbox"/> EGG SAMPLE |
| <input type="checkbox"/> 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. [REDACTED] - S. of house 4. _____
2. [REDACTED] - W. of house 5. _____
3. 57 acres 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.

DATE: 3/25/96
 LOG #: 006-96
 DATE REC'D: 2/23/96
 CROP: WALNUT
 PLOT OR GROWER: [REDACTED]
 COOPERATORS: [REDACTED]

TYPE OF SAMPLE				REG	REG	ROOT
NEMATODE				Cricone-mella sp.	Pratylenchus neglectus	Pratylenchus neglectus
HIGH #'S				2,200	250	3
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/GRAM
1	[REDACTED]	[REDACTED]	S OF HOUSE	0	0	3
2	[REDACTED]	[REDACTED]	W OF HOUSE	2,200	250	2
3	[REDACTED]	[REDACTED]	57 ACRES	450	0	0

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

NEMATODE SAMPLE SUBMISSION FORM
NEMATODOLOGY 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: [REDACTED] NAME: [REDACTED]
LOCATION: [REDACTED] COUNTY: Glenn Co
SEND COPIES TO: _____

GENERAL INFORMATION

DATE SAMPLED: 3-21 % OF PLANTING AFFECTED: _____
CROP: Olives VARIETY: Squillano 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: Citrus Nematodes

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

DATE: 5/13/96
 LOG #: 026-96
 DATE REC'D: 4/12/96
 CROP: OLIVE
 PLOT OR GROWER: ██████████
 COOPERATORS: ██████████

TYPE OF SAMPLE				REG	REG	ROOT
NEMATODE				Tylenchulus semipenetrans	Spiral	Tylenchulus semipenetrans
				80,000	600	206
HIGH #'S						
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/GRAM
1			1	80,000	600	206

NEMATODE SAMPLE INFORMATION SHEET

029 - 96	4-18-96	SERVICE
LOG #	DATE RECEIVED	TYPE OF SAMPLES

1	1	0	0
# REG SAMPLES	# XIPH SAMPLES	# CYST SAMPLES	# EGG SAMPLES

1	0	0
# ROOT SAMPLES	# TISSUE SAMPLES	# SAMPLE ID

GLENN	[REDACTED]	[REDACTED]
COUNTY	FARM ADVISOR	TITLE OR COMPANY

RESEARCH PLOT OR GROWER	[REDACTED]
NAME	[REDACTED]
LOCATION	SEND COPIES TO

DATE SAMPLED	<input type="checkbox"/> STUNTING	<input type="checkbox"/> SAND
PRUNE	<input type="checkbox"/> SLOW DECLINE	<input type="checkbox"/> LOAMY SAND
CROP	<input type="checkbox"/> MALFORMATION	<input type="checkbox"/> SANDY LOAM
VARIETY	<input type="checkbox"/> DIEBACK	<input type="checkbox"/> FINE SANDY LOAM
ROOTSTOCK	<input type="checkbox"/> SUDDEN COLLAPSE	<input type="checkbox"/> VERY FINE SANDY LOAM
% AFFECTED	<input type="checkbox"/> ROOT GALLS	<input type="checkbox"/> LOAM
ORGANIC CONTENT	<input type="checkbox"/> YELLOWING	<input type="checkbox"/> SILT LOAM
	<input type="checkbox"/> WILTING	<input type="checkbox"/> SILT
	SYMPTOMS	<input type="checkbox"/> CLAY LOAM
	DISTRIBUTION	<input type="checkbox"/> SANDY CLAY LOAM
		<input type="checkbox"/> SILTY CLAY LOAM
		<input type="checkbox"/> SANDY CLAY
		<input type="checkbox"/> SILTY CLAY
		<input type="checkbox"/> CLAY
		<input type="checkbox"/> CUSTOM MIX
		SOIL TYPE

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

NOTES

NONE	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input checked="" type="radio"/> YES <input type="radio"/> NO
PREVIOUS SAMPLE #(S)	MORE INFO NEEDED?	INCLUDE IN DIST DATA?

NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 5/13/96 LOG #: 029-96 DATE REC'D: 4/18/96 CROP: PRUNE PLOT OR GROWER: ██████████ COOPERATORS: ██████████						
TYPE OF SAMPLE				REG	ROOT	XIPH
NEMATODE				Plant parasitic nemas	Plant parasitic nemas	Xiphinema sp.
HIGH #'S				0	0	0
SAMPLE #	REP	TIRT	INFO	#/LITER	#/GRAM	#/LITER
1			1	0	0	0

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

NEMATODE SAMPLE INFORMATION SHEET

030 - 96 LOG #	4-18-96 DATE RECEIVED	RESEARCH TYPE OF SAMPLES	
18 # REG SAMPLES	18 # XIPH SAMPLES	0 # CYST SAMPLES	0 # EGG SAMPLES
0 # ROOT SAMPLES	0 # TISSUE SAMPLES	0 # SAMPLE ID	

NOT GIVEN COUNTY	[REDACTED] FARM ADVISOR	[REDACTED] TITLE OR COMPANY
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RESEARCH PLOT OR GROWER [REDACTED] NAME	
LOCATION	
	SEND COPIES TO

4-15-96 DATE SAMPLED	<input type="checkbox"/> STUNTING <input type="checkbox"/> SLOW DECLINE <input type="checkbox"/> MALFORMATION <input type="checkbox"/> DIEBACK <input type="checkbox"/> SUDDEN COLLAPSE <input type="checkbox"/> ROOT GALLS <input type="checkbox"/> YELLOWING <input type="checkbox"/> WILTING	<input type="checkbox"/> SAND <input type="checkbox"/> LOAMY SAND <input type="checkbox"/> SANDY LOAM <input type="checkbox"/> FINE SANDY LOAM <input type="checkbox"/> VERY FINE SANDY LOAM <input type="checkbox"/> LOAM <input type="checkbox"/> SILT LOAM <input type="checkbox"/> SILT <input type="checkbox"/> CLAY LOAM <input type="checkbox"/> SANDY CLAY LOAM <input type="checkbox"/> SILTY CLAY LOAM <input type="checkbox"/> SANDY CLAY <input type="checkbox"/> SILTY CLAY <input type="checkbox"/> CLAY <input type="checkbox"/> CUSTOM MIX
GRAPE CROP	SYMPTOMS	
VARIETY	DISTRIBUTION	SOIL TYPE
ROOTSTOCK	ORGANIC CONTENT	
% AFFECTED		

SAMPLE LIST	
1.	ROW 13 N
2.	ROW 21 N
3.	ROW 28 N
4.	ROW 41 N
5.	ROW 47 N
6.	ROW 63 N
7.	EN 19
8.	EN 39
9.	EN 42
10.	EN 53
11.	EN 61
12.	EN 66
13.	8W
14.	16W
15.	26W
16.	37W
17.	46W
18.	56W
19.	
20.	
21.	
22.	
23.	
24.	

PREPLANT SAMPLES FROM OLD VINYARD WITH PHYLOXERA - OLD VINES HAVE BEEN CUT OFF - NEW VINES WILL BE PLANTED NEXT TO OLD ROOTS

NOTES

NONE PREVIOUS SAMPLE #(S)	<input type="radio"/> YES <input checked="" type="radio"/> NO MORE INFO NEEDED?	<input checked="" type="radio"/> YES <input type="radio"/> NO INCLUDE IN DIST DATA?
------------------------------	--	--

DATE: 5/13/96
 LOG #: 030-96
 DATE REC'D: 4/18/96
 CROP: GRAPE
 PLOT OR GROWER: ██████████
 COOPERATORS: ██████████

TYPE OF SAMPLE				REG	REG	REG	XIPH	XIPH
NEMATODE				Pratylenchus sp.	Meloidogyne sp. larvae	Spiral	Xiphinema americanum	Xiphinema index
HIGH #S				200	100	2,240	80	20
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER	#/LITER	#/LITER
1			ROW 13 N	0	0	0	0	0
2			ROW 21 N	0	0	800	0	0
3			ROW 28 N	0	0	1,600	0	0
4			ROW 41 N	0	0	0	0	0
5			ROW 47 N	200	0	0	0	0
6			ROW 63 N	0	0	400	0	0
7			EN 19	0	0	0	0	0
8			EN 39	0	100	1,900	0	20
9			EN 42	0	0	0	0	0
10			EN 53	0	0	800	0	0
11			EN 61	0	0	2,240	0	0
12			EN 66	0	0	0	0	0
13			8 W	0	0	0	0	0
14			16 W	0	0	200	80	0
15			26 W	0	0	267	0	0
16			37 W	0	0	0	0	0
17			46 W	0	0	1,000	0	0
18			56 W	0	0	0	0	0

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

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: [REDACTED] NAME: _____

LOCATION: Ceres COUNTY: _____

SEND COPIES TO: [REDACTED] [REDACTED]

GENERAL INFORMATION

DATE SAMPLED: 5/1/96 % OF PLANTING AFFECTED: _____

CROP: Almond VARIETY: _____ ROOTSTOCK: _____

SOIL TYPE:

- | | | |
|---|--|---|
| <input type="checkbox"/> SAND | <input type="checkbox"/> LOAM | <input type="checkbox"/> SILTY CLAY LOAM |
| <input type="checkbox"/> LOAMY SAND | <input type="checkbox"/> SILT LOAM | <input type="checkbox"/> SANDY CLAY |
| <input type="checkbox"/> SANDY LOAM | <input type="checkbox"/> SILT | <input type="checkbox"/> SILTY CLAY |
| <input type="checkbox"/> FINE SANDY LOAM | <input type="checkbox"/> CLAY LOAM | <input type="checkbox"/> CLAY |
| <input type="checkbox"/> VERY FINE SANDY LOAM | <input type="checkbox"/> SANDY CLAY LOAM | <input type="checkbox"/> CUSTOM MIX _____ |

ORGANIC CONTENT OF SOIL:

- | | | |
|------------------------------|---------------------------------|-------------------------------|
| <input type="checkbox"/> LOW | <input type="checkbox"/> MEDIUM | <input type="checkbox"/> HIGH |
|------------------------------|---------------------------------|-------------------------------|

DISTRIBUTION OF AFFECTED PLANTS:

- | | | |
|----------------------------------|--|---|
| <input type="checkbox"/> GENERAL | <input type="checkbox"/> LOCALIZED AREAS | <input type="checkbox"/> SCATTERED PLANTS |
|----------------------------------|--|---|

SYMPTOMS:

- | | | |
|---------------------------------------|--|---------------------------------------|
| <input type="checkbox"/> STUNTING | <input type="checkbox"/> DIEBACK | <input type="checkbox"/> YELLOWING |
| <input type="checkbox"/> SLOW DECLINE | <input type="checkbox"/> SUDDEN COLLAPSE | <input type="checkbox"/> WILTING |
| <input type="checkbox"/> MALFORMATION | <input type="checkbox"/> ROOT GALLS | <input type="checkbox"/> 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. <u>Row 11 W</u> | 4. <u>Row 27 - N</u> |
| 2. <u>Row 20 S</u> | 5. _____ |
| 3. <u>Row 43 N</u> | 6. _____ |

COMMENTS OR QUESTIONS: _____

DATE: 6/13/96
 LOG #: 042-96
 DATE REC'D: 6/8/96
 CROP: ALMOND
 PLOT OR GROWER: [REDACTED]
 COOPERATORS: [REDACTED]

TYPE OF SAMPLE	REG	REG	XIPH
NEMATODE	Criconemella sp.	Paratylenchus sp.	Xiphinema sp.
HIGH #'S	13,200	145	0

SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER
1			ROW 11W	67	0	0
2			ROW 20S	13,200	0	0
3			ROW 43N	267	0	0
4			ROW 27N	73	145	0

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

LOG NUMBER: 4396 DATE RECEIVED: 5/9/96 SERVICE OR RESEARCH

NEMATODE SAMPLE SUBMISSION FORM
NEMATODOLOGY 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: [REDACTED] NAME: [REDACTED]

LOCATION: [REDACTED] COUNTY: San Joaquin

SEND COPIES TO: [REDACTED]

GENERAL INFORMATION

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

CROP: winegrape VARIETY: Chardonnay / ~~Burg~~ on Burger 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 _____
2 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 4. _____
- 2. Normal - No symptoms 5. _____
- 3. _____ 6. _____

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.

DATE: 6/13/96 LOG #: 043-96 DATE REC'D: 6/9/96 CROP: GRAPE PLOT OR GROWER: ██████████ COOPERATORS: ██████████							
TYPE OF SAMPLE				REG	REG	XIPH	XIPH
NEMATODE				Criconebella sp.	Xiphinema Index	Xiphinema Index	Trichodorus sp.
HIGH #'S				1,700	50	60	40
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER	#/LITER
1			AFFECTED CHARDONNAY	1,600	50	20	20
2			NORMAL - NO SYMPTOMS	1,700	0	60	40

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

LOG NUMBER: 46-96

DATE RECEIVED: 4/21/96

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: [REDACTED]

NAME: [REDACTED]

LOCATION: Healdsburg, Sonoma

COUNTY: Sonoma County

SEND COPIES TO: [REDACTED]

GENERAL INFORMATION

DATE SAMPLED: 5/20/96 % OF PLANTING AFFECTED: 2% - 4%

CROP: Grape Vines VARIETY: Malbec ROOTSTOCK: St. George

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: OLD vines

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. _____
- 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.

DATE: 6/13/96				
LOG #: 046-96				
DATE REC'D: 5/21/96				
CROP: GRAPE				
PLOT OR GROWER: [REDACTED]				
COOPERATORS: [REDACTED]				
TYPE OF SAMPLE				XIPH
NEMATODE				Xiphinema Index
HIGH #'S				460
SAMPLE #	REP	TRT	INFO	#/LITER
1			1	460

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

NEMATODE SAMPLE INFORMATION SHEET

057 - 96
LOG #

6-7-96
DATE RECEIVED

RESEARCH
TYPE OF SAMPLES

8
REG SAMPLES

0
XIPH SAMPLES

0
CYST SAMPLES

0
EGG SAMPLES

0
ROOT SAMPLES

0
TISSUE SAMPLES

0
SAMPLE ID

COUNTY

FARM ADVISOR

TITLE OR COMPANY

RESEARCH PLOT OR GROWER
NAME

LOCATION

SEND COPIES TO

DATE SAMPLED

ALMOND
CROP

VARIETY

ROOTSTOCK

%
% AFFECTED

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

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

NOTES

SAMPLE LIST

1.	C1
2.	C2
3.	C3
4.	C4
5.	T1
6.	T2
7.	T3
8.	T4
9.	
10.	
11.	
12.	
13.	
14.	
15.	
16.	
17.	
18.	
19.	
20.	
21.	
22.	
23.	
24.	

NONE
PREVIOUS SAMPLE #(S)

YES NO
MORE INFO NEEDED?

YES NO
INCLUDE IN DIST DATA?

DATE: 7/11/96
 LOG #: 057-96
 DATE REC'D: 6/7/96
 CROP: ALMOND
 PLOT OR GROWER: ██████████
 COOPERATORS: ██████████

TYPE OF SAMPLE	REG	REG
NEMATODE	Criconebella sp.	Pratylenchus vulnus
HIGH #'S	4,800	750

SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER
1			C1	1,500	750
2			C2	3,300	150
3			C3	3,500	200
4			C4	4,800	250
5			T1	3,750	250
6			T2	3,950	100
7			T3	2,350	750
8			T4	1,450	350

NEMATODE SAMPLE INFORMATION SHEET

058 - 96 LOG #	6-7-96 DATE RECEIVED	RESEARCH TYPE OF SAMPLES	
8 # REG SAMPLES	0 # XIPH SAMPLES	0 # CYST SAMPLES	0 # EGG SAMPLES
0 # ROOT SAMPLES	0 # TISSUE SAMPLES	0 # SAMPLE ID	

COUNTY	FARM ADVISOR	TITLE OR COMPANY
--------	--------------	------------------

RESEARCH PLOT OR GROWER NAME	SEND COPIES TO
LOCATION	

DATE SAMPLED	<input type="checkbox"/> STUNTING <input type="checkbox"/> SLOW DECLINE <input type="checkbox"/> MALFORMATION <input type="checkbox"/> DIEBACK <input type="checkbox"/> SUDDEN COLLAPSE <input type="checkbox"/> ROOT GALLS <input type="checkbox"/> YELLOWING <input type="checkbox"/> WILTING	<input type="checkbox"/> SAND <input type="checkbox"/> LOAMY SAND <input type="checkbox"/> SANDY LOAM <input type="checkbox"/> FINE SANDY LOAM <input type="checkbox"/> VERY FINE SANDY LOAM <input type="checkbox"/> LOAM <input type="checkbox"/> SILT LOAM <input type="checkbox"/> SILT <input type="checkbox"/> CLAY LOAM <input type="checkbox"/> SANDY CLAY LOAM <input type="checkbox"/> SILTY CLAY LOAM <input type="checkbox"/> SANDY CLAY <input type="checkbox"/> SILTY CLAY <input type="checkbox"/> CLAY <input type="checkbox"/> CUSTOM MIX
CROP		
VARIETY	SYMPTOMS	
ROOTSTOCK	DISTRIBUTION	
% AFFECTED	ORGANIC CONTENT	
SOIL TYPE		

NOTES

SAMPLE LIST	
1.	S1
2.	S2
3.	S3
4.	S4
5.	N1
6.	N2
7.	N3
8.	N4
9.	
10.	
11.	
12.	
13.	
14.	
15.	
16.	
17.	
18.	
19.	
20.	
21.	
22.	
23.	
24.	

PREVIOUS SAMPLE #(S)	<input type="radio"/> YES <input checked="" type="radio"/> NO MORE INFO NEEDED?	<input checked="" type="radio"/> YES <input type="radio"/> NO INCLUDE IN DIST DATA?
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NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 7/11/96
 LOG #: 058-96
 DATE REC'D: 6/7/96
 CROP: ALMOND
 PLOT OR GROWER: [REDACTED]
 COOPERATORS: [REDACTED]

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

TYPE OF SAMPLE				REG	REG	REG	REG
NEMATODE				Criconebella sp.	Pratylenchus sp.	Paratylenchus sp.	Trichodorus sp.
HIGH #'S				3,200	800	31,200	60
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER	#/LITER
1			S1	1,250	150	0	0
2			S2	1,467	800	0	0
3			S3	*	*	*	*
4			S4	0	0	31,200	0
5			N1	850	500	0	0
6			N2	3,200	350	50	0
7			N3	1,750	150	300	50
8			N4	3,150	50	300	0

NEMATODE SAMPLE INFORMATION SHEET

061 - 96
LOG #

6-13-96
DATE RECEIVED

SERVICE
TYPE OF SAMPLES

4
REG SAMPLES

4
XIPH SAMPLES

0
CYST SAMPLES

0
EGG SAMPLES

0
ROOT SAMPLES

0
TISSUE SAMPLES

0
SAMPLE ID

MENDOCINO
COUNTY

[REDACTED]
FARM ADVISOR

[REDACTED]
TITLE OR COMPANY

RESEARCH PLOT OR GROWER

[REDACTED]
NAME

REDWOOD VALLEY
LOCATION

SEND COPIES TO

[REDACTED]
DATE SAMPLED

GRAPE
CROP

[REDACTED]
VARIETY

[REDACTED]
ROOTSTOCK

%
% AFFECTED

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

[REDACTED]
DISTRIBUTION

[REDACTED]
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

NOTES

SAMPLE LIST

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

NONE
PREVIOUS SAMPLE #(S)

YES NO
MORE INFO NEEDED?

YES NO
INCLUDE IN DIST DATA?

DATE: 7/11/96
 LOG #: 061-96
 DATE REC'D: 6/13/96
 CROP: GRAPE
 PLOT OR GROWER: [REDACTED]
 COOPERATORS: [REDACTED]

TYPE OF SAMPLE				REG	REG	REG	XIPH
NEMATODE				Criconemella sp.	Meloidogyne sp. larvae	Trichodorus sp.	Xiphinema americanum
HIGH #'S				950	400	100	160
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER	#/LITER
1			1	500	400	100	0
2			2	950	0	50	160
3			3	0	0	0	10
4			4	700	50	0	90

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

NEMATODE SAMPLE INFORMATION SHEET

071 - 96 LOG #	7-1-96 DATE RECEIVED	SERVICE TYPE OF SAMPLES
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2 # REG SAMPLES	2 # XIPH SAMPLES	0 # CYST SAMPLES	0 # EGG SAMPLES
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1 # ROOT SAMPLES	0 # TISSUE SAMPLES	0 # SAMPLE ID	
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MENDOCINO COUNTY	[REDACTED] FARM ADVISOR	FARM ADVISOR TITLE OR COMPANY
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RESEARCH PLOT OR GROWER NOT GIVEN NAME	
LOCATION	SEND COPIES TO

DATE SAMPLED	GRAPE CROP	VARIETY	ROOTSTOCK	% AFFECTED	SYMPTOMS	DISTRIBUTION	ORGANIC CONTENT	SOIL TYPE
					<input type="checkbox"/> STUNTING <input type="checkbox"/> SLOW DECLINE <input type="checkbox"/> MALFORMATION <input type="checkbox"/> DIEBACK <input type="checkbox"/> SUDDEN COLLAPSE <input type="checkbox"/> ROOT GALLS <input type="checkbox"/> YELLOWING <input type="checkbox"/> WILTING			<input type="checkbox"/> SAND <input type="checkbox"/> LOAMY SAND <input type="checkbox"/> SANDY LOAM <input type="checkbox"/> FINE SANDY LOAM <input type="checkbox"/> VERY FINE SANDY LOAM <input type="checkbox"/> LOAM <input type="checkbox"/> SILT LOAM <input type="checkbox"/> SILT <input type="checkbox"/> CLAY LOAM <input type="checkbox"/> SANDY CLAY LOAM <input type="checkbox"/> SILTY CLAY LOAM <input type="checkbox"/> SANDY CLAY <input type="checkbox"/> SILTY CLAY <input type="checkbox"/> CLAY <input type="checkbox"/> CUSTOM MIX

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)	<input type="radio"/> YES <input checked="" type="radio"/> NO MORE INFO NEEDED?	<input checked="" type="radio"/> YES <input type="radio"/> 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.

DATE: 8/1/96
 LOG #: 071-96
 DATE REC'D: 7/1/96
 CROP: GRAPE
 PLOT OR GROWER: ██████████
 COOPERATORS: ██████████

TYPE OF SAMPLE				REG	ROOT	XIPH
NEMATODE				Paratylenchus sp.	Plant parasitic nemas	Xiphinema americanum
HIGH #'S				550	0	10
SAMPLE #	REP	TRT	INFO	#/LITER	#/GRAM	#/LITER
1			CAB SOIL	550		0
2			CHARD SOIL	0		10
3			CHARD ROOTS		0	

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

LOG NUMBER: 73-96 DATE RECEIVED: 7/15/96 **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: [REDACTED]

NAME: [REDACTED]

LOCATION: Woodland

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:
- | | | |
|---|--|---|
| <input type="checkbox"/> SAND | <input checked="" type="checkbox"/> LOAM | <input type="checkbox"/> SILTY CLAY LOAM |
| <input type="checkbox"/> LOAMY SAND | <input type="checkbox"/> SILT LOAM | <input type="checkbox"/> SANDY CLAY |
| <input type="checkbox"/> SANDY LOAM | <input type="checkbox"/> SILT | <input type="checkbox"/> SILTY CLAY |
| <input type="checkbox"/> FINE SANDY LOAM | <input type="checkbox"/> CLAY LOAM | <input type="checkbox"/> CLAY |
| <input type="checkbox"/> VERY FINE SANDY LOAM | <input type="checkbox"/> SANDY CLAY LOAM | <input type="checkbox"/> CUSTOM MIX _____ |

ORGANIC CONTENT OF SOIL: LOW MEDIUM HIGH

DISTRIBUTION OF AFFECTED PLANTS: GENERAL LOCALIZED AREAS SCATTERED PLANTS

SYMPTOMS:

<input type="checkbox"/> STUNTING	<input type="checkbox"/> DIEBACK	<input type="checkbox"/> YELLOWING
<input type="checkbox"/> SLOW DECLINE	<input type="checkbox"/> SUDDEN COLLAPSE	<input type="checkbox"/> WILTING
<input type="checkbox"/> MALFORMATION	<input type="checkbox"/> ROOT GALLS	<input type="checkbox"/> OTHER: _____

NUMBER OF EACH TYPE OF SAMPLE:

<input checked="" type="checkbox"/> REGULAR SOIL	<input checked="" type="checkbox"/> ROOT SAMPLE	<input type="checkbox"/> CYST SAMPLE
<input type="checkbox"/> XIPHINEMA SAMPLE	<input type="checkbox"/> TISSUE SAMPLE	<input type="checkbox"/> EGG SAMPLE
<input type="checkbox"/> 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. [REDACTED]
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.

DATE: 8/27/96
 LOG #: 073-96
 DATE REC'D: 7/15/96
 CROP: WALNUT
 PLOT OR GROWER: [REDACTED]
 COOPERATORS: [REDACTED]

TYPE OF SAMPLE				REG	REG	ROOT	ROOT
NEMATODE				Pratylenchus penetrans	Paratylenchus sp.	Pratylenchus penetrans	Paratylenchus sp.
HIGH #'S				700	250	261	83
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/GRAM	#/GRAM
1		[REDACTED]		700	250	261	83

LOG NUMBER: 7496 DATE RECEIVED: 7/16/96 **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: [REDACTED]

NAME: [REDACTED]

LOCATION: DAVLS

COUNTY: Yolo

SEND COPIES TO: [REDACTED]

GENERAL INFORMATION

DATE SAMPLED: 7/15/96 % OF PLANTING AFFECTED: _____

CROP: Chinese Hackberry VARIETY: _____ ROOTSTOCK: _____

SOIL TYPE: Celtis sinensis

- | | | |
|---|--|---|
| <input type="checkbox"/> SAND | <input type="checkbox"/> LOAM | <input type="checkbox"/> SILTY CLAY LOAM |
| <input type="checkbox"/> LOAMY SAND | <input type="checkbox"/> SILT LOAM | <input type="checkbox"/> SANDY CLAY |
| <input type="checkbox"/> SANDY LOAM | <input type="checkbox"/> SILT | <input type="checkbox"/> SILTY CLAY |
| <input type="checkbox"/> FINE SANDY LOAM | <input type="checkbox"/> CLAY LOAM | <input type="checkbox"/> CLAY |
| <input type="checkbox"/> VERY FINE SANDY LOAM | <input type="checkbox"/> SANDY CLAY LOAM | <input type="checkbox"/> 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. R St. Park - Healthy
2. 430 11th St. - Poor
3. Biolett/Hutchison - Good
4. CA Ave Poor
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.

NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 8/1/96
 LOG #: 074-96
 DATE REC'D: 7/16/96
 CROP: CHINESE HACKBERRY
 PLOT OR GROWER: CITY OF DAVIS
 COOPERATORS: ~~XXXXXXXXXX~~

TYPE OF SAMPLE				REG	REG	REG	REG	REG	XIPH
NEMATODE				Pratylenchus thornei	Paratylenchus sp.	Criconemella sp.	Spiral	Stunt	Xiphinema americanum
HIGH #'S				3,600	1,067	800	5,600	400	213
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER	#/LITER	#/LITER	#/LITER
1			K ST. PARK - HEALTHY	3,500	200	0	0	0	160
2			430 11TH ST. - POOR	133	1,067	133	267	0	213
3			BIOLETTI/HUTCHISON - GOOD	3,600	400	0	5,600	400	0
4			CA AVE. - POOR	400	600	800	400	0	0

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

LOG NUMBER: 95-916 DATE RECEIVED: 8/19 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: [REDACTED] NAME: [REDACTED]

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
- 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:

- 2 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. [REDACTED] 8/13
- 2. [REDACTED] 8/13
- 3. _____
- 4. _____
- 5. _____
- 6. _____

COMMENTS OR QUESTIONS: P. vulnus? Criconemoides?

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

NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 9/6/96
 LOG #: 095-96
 DATE REC'D: 8/19/96
 CROP: WALNUT
 PLOT OR GROWER: ██████████
 COOPERATORS: ██████████

TYPE OF SAMPLE				REG	REG	REG	ROOT
NEMATODE				Pratylenchus vulnus	Criconebella sp.	Meloidogyne sp. larvae	Pratylenchus vulnus
HIGH #'S				1,700	2,400	1,000	1,296
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER	#/GRAM
1			1	550	250	0	0
2			2	1,700	2,400	1,000	1,296

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 1/15/97
 LOG #: 147-96
 DATE REC'D: 12/18/96
 CROP: WALNUT
 PLOT OR GROWER: ██████████
 COOPERATORS: ██████████

TYPE OF SAMPLE				REG	REG
NEMATODE				Pratylenchus vulnus	Paratylenchus sp.
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER
1			GOOD	100	5,000
2			POOR	16,800	0

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

NEMATODE SAMPLE INFORMATION SHEET

132 - 96 10-21-96 SERVICE
 LOG # DATE RECEIVED TYPE OF SAMPLES

4 0 0 0
 # REG SAMPLES # XIPH SAMPLES # CYST SAMPLES # EGG SAMPLES

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

YOLO [REDACTED] [REDACTED]
 COUNTY FARM ADVISOR TITLE OR COMPANY

RESEARCH PLOT OR GROWER
 [REDACTED]
 NAME

[REDACTED]
 LOCATION

[REDACTED]

SEND COPIES TO

[REDACTED]
 DATE SAMPLED

TOMATO
 CROP

[REDACTED]
 VARIETY

[REDACTED]
 ROOTSTOCK

%
 % AFFECTED

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

SYMPTOMS

[REDACTED]
 DISTRIBUTION

[REDACTED]
 ORGANIC CONTENT

- 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

SAMPLE LIST

1. FIELD2
2. FIELD3 SOUTH
3. FIELD4
4. FIELD5
5. FIELD 1
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18.
- 19.
- 20.
- 21.
- 22.
- 23.
- 24.

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

NOTES

NONE
 PREVIOUS SAMPLE #(S)

YES NO
 MORE INFO NEEDED?

YES NO
 INCLUDE IN DIST DATA?

NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 11/14/96
 LOG #: 132-96
 DATE REC'D: 10/21/96
 CROP: TOMATO
 PLOT OR GROWER: ██████████
 COOPERATORS: ██████████
 ██████████
 ██████████

TYPE OF SAMPLE				REG	REG
NEMATODE				Pratylenchus sp.	Meloidogyne sp. larvae
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER
1			FIELD 2	200	0
2			FIELD 3 SOUTH	0	0
3			FIELD 4	650	0
4			FIELD 5	0	8,250
5			FIELD 1	400	0

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

LOG NUMBER: 133-96 DATE RECEIVED: 11/1/96 SERVICE OR RESEARCH

NEMATODE SAMPLE SUBMISSION FORM
NEMATODOLOGY 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: [REDACTED] NAME: [REDACTED]

LOCATION: [REDACTED] COUNTY: BUTTE

SEND COPIES TO: [REDACTED]

GENERAL INFORMATION

DATE SAMPLED: 11-1-96 % OF PLANTING AFFECTED: 10-15%

CROP: ALMOND VARIETY: PEERLESS ROOTSTOCK: 2624

SOIL TYPE:

- | | | |
|--|--|---|
| <input type="checkbox"/> SAND | <input type="checkbox"/> LOAM | <input type="checkbox"/> SILTY CLAY LOAM |
| <input checked="" type="checkbox"/> LOAMY SAND | <input type="checkbox"/> SILT LOAM | <input type="checkbox"/> SANDY CLAY |
| <input type="checkbox"/> SANDY LOAM | <input type="checkbox"/> SILT | <input type="checkbox"/> SILTY CLAY |
| <input type="checkbox"/> FINE SANDY LOAM | <input type="checkbox"/> CLAY LOAM | <input type="checkbox"/> CLAY |
| <input type="checkbox"/> VERY FINE SANDY LOAM | <input type="checkbox"/> SANDY CLAY LOAM | <input type="checkbox"/> CUSTOM MIX _____ |

ORGANIC CONTENT OF SOIL:

- | | | |
|---|---------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> LOW | <input type="checkbox"/> MEDIUM | <input type="checkbox"/> HIGH |
|---|---------------------------------|-------------------------------|

DISTRIBUTION OF AFFECTED PLANTS:

- | | | |
|----------------------------------|--|--|
| <input type="checkbox"/> GENERAL | <input type="checkbox"/> LOCALIZED AREAS | <input checked="" type="checkbox"/> SCATTERED PLANTS |
|----------------------------------|--|--|

SYMPTOMS:

- | | | |
|---------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> STUNTING | <input type="checkbox"/> DIEBACK | <input type="checkbox"/> YELLOWING |
| <input type="checkbox"/> SLOW DECLINE | <input checked="" type="checkbox"/> SUDDEN COLLAPSE | <input type="checkbox"/> WILTING |
| <input type="checkbox"/> MALFORMATION | <input type="checkbox"/> ROOT GALLS | <input type="checkbox"/> 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. <u>[REDACTED]</u> | 4. _____ |
| 2. <u>[REDACTED]</u> | 5. _____ |
| 3. <u>[REDACTED]</u> | 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.

NEMATODOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 11/14/96
 LOG #: 133-96
 DATE REC'D: 11/1/96
 CROP: ALMOND
 PLOT OR GROWER: [REDACTED]
 COOPERATORS: [REDACTED]

TYPE OF SAMPLE				REG	REG	ROOT	XIPH
NEMATODE				Cricone-mella sp.	Pratylenchus sp.	Plant parasitic nemas	Xiphinema sp.
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/GRAM	#/LITER
1			1	0	0	0	0
2			2	750	100	0	0
3			3	50	0	0	0

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

NEMATODE SAMPLE INFORMATION SHEET

137 - 96 LOG #	11-5-96 DATE RECEIVED	SERVICE TYPE OF SAMPLES
-------------------	--------------------------	----------------------------

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

0 # ROOT SAMPLES	0 # TISSUE SAMPLES	0 # SAMPLE ID	
---------------------	-----------------------	------------------	--

FRESNO COUNTY	[REDACTED] FARM ADVISOR	[REDACTED] TITLE OR COMPANY
------------------	----------------------------	--------------------------------

RESEARCH PLOT OR GROWER PARLIER NAME	[REDACTED]
LOCATION	SEND COPIES TO

DATE SAMPLED	<input type="checkbox"/> STUNTING <input type="checkbox"/> SLOW DECLINE <input type="checkbox"/> MALFORMATION <input type="checkbox"/> DIEBACK <input type="checkbox"/> SUDDEN COLLAPSE <input type="checkbox"/> ROOT GALLS <input type="checkbox"/> YELLOWING <input type="checkbox"/> WILTING SYMPTOMS	<input type="checkbox"/> SAND <input type="checkbox"/> LOAMY SAND <input type="checkbox"/> SANDY LOAM <input type="checkbox"/> FINE SANDY LOAM <input type="checkbox"/> VERY FINE SANDY LOAM <input type="checkbox"/> LOAM <input type="checkbox"/> SILT LOAM <input type="checkbox"/> SILT <input type="checkbox"/> CLAY LOAM <input type="checkbox"/> SANDY CLAY LOAM <input type="checkbox"/> SILTY CLAY LOAM <input type="checkbox"/> SANDY CLAY <input type="checkbox"/> SILTY CLAY <input type="checkbox"/> CLAY <input type="checkbox"/> CUSTOM MIX SOIL TYPE
CROP GRAPE	DISTRIBUTION	
VARIETY	ORGANIC CONTENT	
ROOTSTOCK	% AFFECTED	

SOIL WAS VERY DRY (LIKE POWDER)

NOTES

NONE PREVIOUS SAMPLE #(S)	<input type="radio"/> YES <input checked="" type="radio"/> NO MORE INFO NEEDED?	<input checked="" type="radio"/> YES <input type="radio"/> NO INCLUDE IN DIST DATA?
------------------------------	--	--

SAMPLE LIST

- | | |
|-----|-----|
| 1. | CE1 |
| 2. | CE2 |
| 3. | CE3 |
| 4. | CE4 |
| 5. | RG1 |
| 6. | RG2 |
| 7. | RG3 |
| 8. | RG4 |
| 9. | |
| 10. | |
| 11. | |
| 12. | |
| 13. | |
| 14. | |
| 15. | |
| 16. | |
| 17. | |
| 18. | |
| 19. | |
| 20. | |
| 21. | |
| 22. | |
| 23. | |
| 24. | |

NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 11/19/96
 LOG #: 137-96
 DATE REC'D: 11/5/96
 CROP: GRAPE
 PLOT OR GROWER: PARLIER
 COOPERATORS: [REDACTED]

** Soil was very dry!

TYPE OF SAMPLE				REG	REG	XIPH
NEMATODE				Pratylenchus sp.	Paratylenchus sp.	Xiphinema americanum
HIGH #'S				133	200	20
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER
1			CE 1	0	0	0
2			CE 2	0	0	0
3			CE 3	0	0	0
4			CE 4	0	0	0
5			RG 1	0	0	0
6			RG 2	0	200	0
7			RG 3	133	133	0
8			RG 4	0	200	20

LOG NUMBER: 139-96 DATE RECEIVED: 11/8 SERVICE OR RESEARCH

NEMATODE SAMPLE SUBMISSION FORM
NEMATODOLOGY 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: [REDACTED]

NAME: [REDACTED]

LOCATION: GERBER

COUNTY: Tehama

SEND COPIES TO: [REDACTED]

GENERAL INFORMATION

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

CROP: Almond VARIETY: Non-pariel ROOTSTOCK: Nemaquand

SOIL TYPE:

- | | | |
|---|---|---|
| <input type="checkbox"/> SAND | <input type="checkbox"/> LOAM | <input type="checkbox"/> SILTY CLAY LOAM |
| <input type="checkbox"/> LOAMY SAND | <input checked="" type="checkbox"/> SILT LOAM | <input type="checkbox"/> SANDY CLAY |
| <input type="checkbox"/> SANDY LOAM | <input type="checkbox"/> SILT | <input type="checkbox"/> SILTY CLAY |
| <input type="checkbox"/> FINE SANDY LOAM | <input type="checkbox"/> CLAY LOAM | <input type="checkbox"/> CLAY |
| <input type="checkbox"/> VERY FINE SANDY LOAM | <input type="checkbox"/> SANDY CLAY LOAM | <input type="checkbox"/> CUSTOM MIX _____ |

ORGANIC CONTENT OF SOIL:

- | | | |
|---|---------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> LOW | <input type="checkbox"/> MEDIUM | <input type="checkbox"/> HIGH |
|---|---------------------------------|-------------------------------|

DISTRIBUTION OF AFFECTED PLANTS:

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> GENERAL | <input type="checkbox"/> LOCALIZED AREAS | <input type="checkbox"/> SCATTERED PLANTS |
|---|--|---|

SYMPTOMS:

- | | | |
|--|--|---------------------------------------|
| <input checked="" type="checkbox"/> STUNTING | <input type="checkbox"/> DIEBACK | <input type="checkbox"/> YELLOWING |
| <input type="checkbox"/> SLOW DECLINE | <input type="checkbox"/> SUDDEN COLLAPSE | <input type="checkbox"/> WILTING |
| <input type="checkbox"/> MALFORMATION | <input type="checkbox"/> ROOT GALLS | <input type="checkbox"/> OTHER: _____ |

NUMBER OF EACH TYPE OF SAMPLE:

- | | | |
|--|--|--------------------------------------|
| <input checked="" type="checkbox"/> REGULAR SOIL | <input type="checkbox"/> ROOT SAMPLE | <input type="checkbox"/> CYST SAMPLE |
| <input type="checkbox"/> XIPHINEMA SAMPLE | <input type="checkbox"/> TISSUE SAMPLE | <input type="checkbox"/> EGG SAMPLE |
| <input type="checkbox"/> 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. one soil
2. _____
3. CINDY / BECKY
4. _____
5. _____

COMMENTS OR QUESTIONS: General poor tree performance wonder if Nema are 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.

NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 11/19/96
 LOG #: 139-96
 DATE REC'D: 11/8/96
 CROP: ALMOND
 PLOT OR GROWER: [REDACTED]
 COOPERATORS: [REDACTED]

TYPE OF SAMPLE				REG
NEMATODE				Spiral
HIGH #'S				50
SAMPLE #	REP	TRT	INFO	#/LITER
1			1	50

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

NEMATODE SAMPLE INFORMATION SHEET

LOG #
 DATE RECEIVED
 TYPE OF SAMPLES

REG SAMPLES
 # XIPH SAMPLES
 # CYST SAMPLES
 # EGG SAMPLES

ROOT SAMPLES
 # TISSUE SAMPLES
 # SAMPLE ID

COUNTY
 FARM ADVISOR
 TITLE OR COMPANY

RESEARCH PLOT OR GROWER
 NAME
 LOCATION
 SEND COPIES TO

DATE SAMPLED
 CROP
 VARIETY
 ROOTSTOCK
 DISTRIBUTION
 % AFFECTED
 ORGANIC CONTENT

STUNTING
 SLOW DECLINE
 MALFORMATION
 DIEBACK
 SUDDEN COLLAPSE
 ROOT GALLS
 YELLOWING
 WILTING

SYMPTOMS

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

NOTES

PREVIOUS SAMPLE #(S)
 YES NO MORE INFO NEEDED?
 YES NO INCLUDE IN DIST DATA?

SAMPLE LIST

1. 2ND TREE FROM NORTH SIDE
2. 4TH TREE FROM SOUTH SIDE
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18.
- 19.
- 20.
- 21.
- 22.
- 23.
- 24.

NEMATOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 12/16/96 LOG #: 140-96 DATE REC'D: 11/18/96 CROP: WALNUT PLOT OR GROWER: ██████████ COOPERATORS: ██████████ * INCLUDES OTHER SPECIES OF PRATYLENCHUS.					
TYPE OF SAMPLE				REG	ROOT
NEMATODE				Pratylenchus vulnus *	Pratylenchus sp.*
SAMPLE #	REP	TRT	INFO	#/LITER	#/GRAM
1			2ND TREE FROM NORTH SIDE	1,100	0
2			4TH TREE FROM SOUTH SIDE	1,400	21

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

LOG NUMBER: 145-96

DATE RECEIVED:

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: [REDACTED]

NAME: [REDACTED]

LOCATION: Monterey Co.

COUNTY: FA, Santa Cruz Co.

SEND COPIES TO: [REDACTED]

GENERAL INFORMATION

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

CROP: ROSE VARIETY: _____ ROOTSTOCK: _____

SOIL TYPE:

- | | | |
|--|--|---|
| <input type="checkbox"/> SAND | <input type="checkbox"/> LOAM | <input type="checkbox"/> SILTY CLAY LOAM |
| <input type="checkbox"/> LOAMY SAND | <input type="checkbox"/> SILT LOAM | <input type="checkbox"/> SANDY CLAY |
| <input checked="" type="checkbox"/> SANDY LOAM | <input type="checkbox"/> SILT | <input type="checkbox"/> SILTY CLAY |
| <input type="checkbox"/> FINE SANDY LOAM | <input type="checkbox"/> CLAY LOAM | <input type="checkbox"/> CLAY |
| <input type="checkbox"/> VERY FINE SANDY LOAM | <input type="checkbox"/> SANDY CLAY LOAM | <input type="checkbox"/> CUSTOM MIX _____ |

ORGANIC CONTENT OF SOIL:

- | | | |
|------------------------------|--|-------------------------------|
| <input type="checkbox"/> LOW | <input checked="" type="checkbox"/> MEDIUM | <input type="checkbox"/> HIGH |
|------------------------------|--|-------------------------------|

DISTRIBUTION OF AFFECTED PLANTS:

- | | | |
|----------------------------------|---|---|
| <input type="checkbox"/> GENERAL | <input checked="" type="checkbox"/> LOCALIZED AREAS | <input type="checkbox"/> SCATTERED PLANTS |
|----------------------------------|---|---|

SYMPTOMS:

- | | | |
|--|--|---|
| <input checked="" type="checkbox"/> STUNTING | <input type="checkbox"/> DIEBACK | <input checked="" type="checkbox"/> YELLOWING |
| <input type="checkbox"/> SLOW DECLINE | <input type="checkbox"/> SUDDEN COLLAPSE | <input type="checkbox"/> WILTING |
| <input type="checkbox"/> MALFORMATION | <input type="checkbox"/> ROOT GALLS | <input type="checkbox"/> 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. Royalty | 4. "Several varieties" |
| 2. Lady Liberty | 5. _____ |
| 3. Cara Mia | 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.

NEMATODOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 12/19/96
 LOG #: 145-96
 DATE REC'D: 12/15/96
 CROP: ROSE
 PLOT OR GROWER: ██████████
 COOPERATORS: ██████████

TYPE OF SAMPLE				REG	REG	XIPH
NEMATODE				Meloidogyne sp. larvae	Spiral	Xiphinema sp.
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER
1			ROYALTY	0	0	0
2			LADY LIBERTY	0	0	0
3			CARA MIA	50	100	0
4			SEVERAL VARIETYS	0	50	0

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814

LLH

NEMATODE SAMPLE INFORMATION SHEET

148 - 96 12-19-96 SERVICE
 LOG # DATE RECEIVED TYPE OF SAMPLES

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

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

FRESNO [REDACTED] [REDACTED]
 COUNTY FARM ADVISOR TITLE OR COMPANY

RESEARCH PLOT OR GROWER
 [REDACTED]
 NAME PAT NOBLE

LOCATION SEND COPIES TO

12-18-96
 DATE SAMPLED

GRAPE
 CROP

VARIETY

ROOTSTOCK

%
 % AFFECTED

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

SYMPTOMS

DISTRIBUTION

ORGANIC CONTENT

- 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

SECOND SAMPLE FROM THIS FIELD, FIRST WAS TOO DRY.

NOTES

SAMPLE LIST

1. CE1
2. CE2
3. CE3
4. CE4
5. RG1
6. RG2
7. RG3
8. RG4
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18.
- 19.
- 20.
- 21.
- 22.
- 23.
- 24.

137-96

PREVIOUS SAMPLE #(S)

YES NO

MORE INFO NEEDED?

YES NO

INCLUDE IN DIST DATA?

NEMATODOLOGY DEPARTMENT, UC DAVIS, DAVIS, CA 95616-8668

DATE: 1/23/97
 LOG #: 148-96
 DATE REC'D: 12/19/96
 CROP: GRAPE
 PLOT OR GROWER: [REDACTED]
 COOPERATORS: [REDACTED]

TYPE OF SAMPLE				REG	REG	REG	REG	REG	XIPH
NEMATODE				Pratylenchus sp.	Meloidogyne sp. larvae	Criconebella sp.	Tylenchulus semipenetans	Paratylenchus sp.	Xiphinema americanum
SAMPLE #	REP	TRT	INFO	#/LITER	#/LITER	#/LITER	#/LITER	#/LITER	#/LITER
1			CE 1	0	0	0	0	0	10
2			CE 2	0	0	0	0	150	20
3			CE 3	0	50	300	0	50	0
4			CE 4	0	0	0	150	100	20
5			RG 1	0	0	0	0	0	10
6			RG 2	100	0	0	0	0	0
7			RG 3	0	0	0	0	0	0
8			RG 4	0	0	0	0	0	10

EXTENSION NEMATOLOGIST: BECKY WESTERDAHL, 474 HUTCHISON HALL (916)752-1405
 LABORATORY: CINDY ANDERSON, 447 HUTCHISON HALL (916)752-3814