

**I. Household Identification**

**(Supervisor Records)**

<b>CVR1</b> CDD ID number (8 digits)	<b>CVR1</b> [ ]
<b>CVR1A</b> Changwat _____	<b>CVR1A</b> [ ]
<b>CVR1A1</b> Amphoe _____	<b>CVR1A1</b> [ ]
<b>CVR1B</b> Tambon _____	<b>CVR1B</b> [ ]
<b>CVR1C</b> Village _____	<b>CVR1C</b> [ ]
<b>CVR1D</b> Household Number	<b>CVR1D</b> [ ]
<b>CVR1E</b> House number (part of address)	<b>CVR1E</b> [ ]
<b>CVR1F</b> Plot Number	<b>CVR1F</b> [ ]
<b>CVR1G</b> GPS Location of Plot	
<b>CVR1G1</b> GPS Location of Plot - Latitude (UTM- North)	<b>CVR1G1</b> [ ]
<b>CVR1G2</b> GPS Location of Plot - Longitude (UTM - East)	<b>CVR1G2</b> [ ]

<b>CVR2</b> Team Number	<b>CVR2</b> [ ]
<b>CVR2A</b> Supervisor _____	<b>CVR2A</b> [XXXX]
<b>CVR2B</b> Enumerator _____	<b>CVR2B</b> [XXXX]

I. Household Identification, continued

(Information on appointment is recorded by interviewer)

<b>CVR2C</b> Visit #	<b>CVR2D</b> Start Time	<b>CVR2E</b> End Time	<b>CVR2F</b> Day/Month	<b>CVR2G</b> Visit Results

**CVR2G: Appointment Results**

- 1 - Completed
- 3 - Partially completed
- 5 - Household refused
- 7 - Unable to contact household members
- 9 - Household members unable to respond

- 11 - unable to locate
- 13 - other (specify)

**CVR2GO** \_\_\_\_\_

**RF**-rebuff or reject to answer the question **NA**- the question is not applicable **DK**- don't

know the answer **MI**- missing data

**(Information on appointment : recorded by supervisor or survey editor)**

<b>CVR3B</b> Editor	<b>CVR3C</b> Edit #	<b>CVR3D</b> Start Time	<b>CVR3E</b> End Time	<b>CVR3F</b> Day/month	<b>CVR3G</b> Results	<b>CVR3H</b> Action

**CVR3G: Results**

- |                          |  |
|--------------------------|--|
| 1 - ready for data entry | 7 - recommend assign replacement household |
| 3 - talk to enumerator   | 9 -Other (specify) CVR3GO _____            |
| 5 - sections incomplete  |  |

**CVR3H: Action**

- 1 - send to data entry
- 3 - set up repeat interview with same household
- 5 - assign replacement household (record new household number)
- 7 - other (specify) **CVR3H0** \_\_\_\_\_
- I. Household Identification, continued

<b>CVR4</b> Name of respondent _____ <b>(Translation)</b> _____	<b>CVR4</b> [XXXX]
<b>CVR5</b> Relationship of respondent to head <b>CVR50</b> (Other - specify) _____ <b>(Translation)</b> _____	<b>CVR5</b> [ ]

**CVR5: Relationship**

- |                            |                             |
|----------------------------|-----------------------------|
| 1 - Head                   | 11 - Parent                 |
| 3 - Spouse                 | 13 - Not a household member |
| 5 - Brother or Sister      | 15 - Other (specify)        |
| 7 - Son or daughter        | <b>CVR50th</b> _____        |
| 9 - Son or daughter-in-law |                             |

**II Surroundings**

(The reporter must collect the soil/plant sample, answer and write down the description by him/herself)

SV1 Characteristics of the plot.

<b>SV1A</b> What is the landscape of the plot? 1 - Hill    3 - Flat    5 - Low-lying	<b>SV1A</b> [ ]
<b>SV1B</b> What is the slope of the plot? 1 - high slope    3 - medium slop    5 - no slope (flat)	<b>SV1B</b> [ ]
<b>SV1C</b> What water sources can be seen from the plot? (Use the following codes below. Answer all that apply.) <b>SV1CO</b> (Other - specify) _____ <b>translation</b> _____	<b>SV1C</b> [ ]

**SV1C - Codes for Water bodies**

- |                         |                        |                      |
|-------------------------|------------------------|----------------------|
| A - no sources of water | F - man-made canal     | J - swamp            |
| B - stream              | G - natural lake, pond | K - artesian well    |
| C - river               | H - small dam          | L - other (specify)  |
| D - irrigation canal    | I - man-made lake      | <b>SV1Coth</b> _____ |
| E - natural canal       |                        |                      |

**RF**-rebuff or reject to answer the question    **NA**- the question is not applicable    **DK**- don't know the answer    **MI**- missing data

<b>SV1D</b> What is the color of the soil? 1 - yellow    3 - brown    5 - black    7 - gray    9 - red	<b>SV1D</b> [    ]
<b>SV1E</b> Type of soil 1 - soil with stones    3 - soil with pebbles    5 - sandy soil 7 - black soil    9 - clay soil	<b>SV1E</b> [    ]
<b>SV1F</b> Does this plot have similar characteristics to surrounding plots? (1 - yes    3 - no) (If yes skip to <b>SV2</b> . If no, answer below.)	<b>SV1F</b> [    ]
<b>SV1G</b> Explain the surrounding plots and soil. Use the descriptions from <b>SV1A</b> and <b>SV1E</b> . _____ _____	<b>SV1G</b> [XXXX]
<b>SV1G(Translation)</b> _____ _____ _____ _____	

II Surroundings, continued

<b>SV2</b> Crops grown on this plot (Use codes below) <b>SV2oth1</b> _____ trans _____ <b>SV2oth2</b> _____ trans _____ <b>SV2oth3</b> _____ trans _____	<b>SV2</b> [    ]
<b>SV2A</b> Are the crops grown on surrounding plots are different? (1- yes 3-no) (If no skip to question <b>SV3</b> . If yes answer the following)	<b>SV2A</b> [    ]
<b>SV2B</b> Crops grown on surrounding plots (See codes below) <b>SV2Both1</b> _____ trans _____ <b>SV2Both2</b> _____ trans _____ <b>SV2Both3</b> _____ trans _____	<b>SV2B</b> [    ]

**SV2 Codes for Crops**

- A - no crops or plants
- B - grass
- C - bushes
- D - forest
- E - farm produce or annual crops (specify) **SV2oth1** \_\_\_\_\_
- F - vegetables (specify) **SV2oth2** \_\_\_\_\_
- G- agricultural product (specify) **SV2oth3** \_\_\_\_\_

<b>SV3</b> Is most of the surrounding land forested? (1- yes 3- no)	<b>SV3</b> [    ]
<b>SV4</b> Are village houses present on the perimeter of the plot? (1 - yes 3 - no)	<b>SV4</b> [    ]

**RF**-rebuff or reject to answer the question    **NA**- the question is not applicable    **DK**- don't know the answer    **MI**- missing data

**III Changes on the plot for the past 5 years (Ask the following questions to the respondent).****CS1A~E** During the past five years, have you grown any plants

	<b>CS1A</b> 4/96 - 3/97	<b>CS1B</b> 4/95 - 3/96	<b>CS1C</b> 4/94 - 3/95	<b>CS1D</b> 4/93 - 3/94	<b>CS1E</b> 4/92 - 3/93
1. hot					
2. rainy					
3. cool					

**CS2A~E** How much, in kilograms, crop production did you receive from this plot?

	<b>CS2A</b> 4/96 - 3/97	<b>CS2B</b> 4/95 - 3/96	<b>CS2C</b> 4/94 - 3/95	<b>CS2D</b> 4/93 - 3/94	<b>CS2E</b> 4/92 - 3/93
1. hot					
2. rainy					
3. cool					

**CS2F~J** If the answer is "DK - Don't know the answer," ask the amount of production, in kilograms, from teh alnd and the total area used in growing those crops.

	<b>CS2F</b> 4/96 - 3/97		<b>CS2G</b> 4/95 - 3/96		<b>CS2H</b> 4/94 - 3/95		<b>CS2I</b> 4/93 - 3/94		<b>CS2J</b> 4/92 - 3/93	
	Total Prod (KG)	Total Area (RAI)	Total Prod (KG)	Total Area (RAI)	Total Prod (KG)	Total Area (RAI)	Total Prod (KG)	Total Area (RAI)	Total Prod (KG)	Total Area (RAI)
1. hot										
2. rainy										
3. cool										

**III Changes on the plot for the past 5 years (continued)**

<b>CS3</b> Have you ever used manure on this plot? (1 - yes 3 - no)	<b>CS3</b> [ ]
<b>CS3A</b> Hot season	<b>CS3A</b> [ ]
<b>CS3B</b> Rainy season	<b>CS3B</b> [ ]
<b>CS3C</b> Cool season	<b>CS3C</b> [ ]

<b>CS4</b> Have you ever used chemical fertilizer on this plot? (1- yes 3- no) (If yes, continue below. If no, got to <b>CS5</b> )	<b>CS4</b> [ ]
<b>CS4A</b> Hot season	<b>CS4A</b> [ ]
<b>CS4B</b> Rainy season	<b>CS4B</b> [ ]
<b>CS4C</b> Cool season	<b>CS4C</b> [ ]

**RF**-rebuff or reject to answer the question **NA**- the question is not applicable **DK**- don't know the answer **MI**- missing data

**CS4A~E** Please describe the type and amount of chemical fertilizers you used on this plot in the past five years and how many times you used that fertilizer in each year.

	<b>CS4D</b> Formula N-P-K			<b>CS4E</b> How often			<b>CS4F</b> Total amount in kg		
	<b>1</b> hot	<b>2</b> rainy	<b>3.</b> cool	<b>1</b> hot	<b>2</b> rainy	<b>3.</b> cool	<b>1</b> hot	<b>2</b> rainy	<b>3.</b> cool
<b>A.</b> 4/96 -3/97									
<b>B.</b> 4/95 -3/96									
<b>C.</b> 4/94 -3/95									
<b>D.</b> 4/93 -3/94									
<b>E.</b> 4/92 -3/93									

**III** Changes on the plot for the past 5 years (continued)

**CS4G~H** If the answer is "DK - Don't know the answer," ask the total amount of chemical fertilizer used in every agricultural segment.

	<b>1</b> summer		<b>2</b> rainy		<b>3.</b> cool	
	<b>CS4G</b> Total amount of chemical fertilizer used (kg)	<b>CS4H</b> Total area (Rai)	<b>CS4G</b> Total amount of chemical fertilizer used (kg)	<b>CS4H</b> Total area (Rai)	<b>CS4G</b> Total amount of chemical fertilizer used (kg)	<b>CS4H</b> Total area (Rai)
<b>A.</b> 4/96 -3/97						
<b>B.</b> 4/95 -3/96						
<b>C.</b> 4/94 -3/95						
<b>D.</b> 4/93 -3/94						
<b>E.</b> 4/92 -3/93						

<b>CS5 Access to Water Source</b>	
<b>CS5A</b> What is the primary water source for this plot? (Use codes below) <b>CS5AO</b> (Other -specify) _____ (Translation) _____	<b>CS5A</b> [     ]
<b>CS5B</b> What is the secondary water source for this plot? (Use codes below) <b>CS5BO</b> Other -specify) _____ (Translation) _____	<b>CS5B</b> [     ]

**CS5 - Codes for Water Source**

- |                         |   |
|-------------------------|---|
| 1 - rain                | 15 - small dam                            |
| 3 - stream              | 17 - man-made lake                        |
| 5 - river               | 19 - swamp                                |
| 7 - irrigation canal    | 21 - artesian well                        |
| 9 - natural canal       | 23 - other (specify) <b>CS5AO/B</b> _____ |
| 11 - man-made canal     |   |
| 13 - natural lake, pond |   |

**RF**-rebuff or reject to answer the question    **NA**- the question is not applicable    **DK**- don't know the answer    **MI**- missing data

**III Changes on the plot for the past 5 years (continued)**

<b>CS5C</b> During the past 5 years, have there been any changes in the primary source of water? (1 - yes 3 - no) (If yes, continue below. If no, go to <b>CS6</b> .)	<b>CS5C</b> [     ]
<b>CS5D</b> Before the most recent change, what was the primary water source? (Use the codes for water source) <b>CS5DO</b> (other -specify) _____ <b>trans.</b> _____	<b>CS5D</b> [     ]

**CS6** In the past 5 years, what percentage of the crops were destroyed flood. (If there was no flood write **0 %**. If there was no harvest at all write **100%**.)

	<b>CS6A</b> 4/96 -3/97	<b>CS6B</b> 4/95 -3/96	<b>CS6C</b> 4/94 -3/95	<b>CS6D</b> 4/93 -3/94	<b>CS6E</b> 4/92 -3/93
percentage					

**CS7** In the past 5 years, what percentage of the crops were destroyed drought. (If there was no flood write **0 %**. If there was no harvest at all write **100%**.)

	<b>CS6A</b> 4/96 -3/97	<b>CS6B</b> 4/95 -3/96	<b>CS6C</b> 4/94 -3/95	<b>CS6D</b> 4/93 -3/94	<b>CS6E</b> 4/92 -3/93
percentage					

<b>CS8</b> Please describe the soil of this plot. _____ _____ _____ _____	<b>CS8</b> [XXXX]
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<b>CS8</b> <b>Translation</b> _____ _____ _____
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**III Changes on the plot for the past 5 years (continued)**

<b>CS8A</b> How fertile do you think this plot is? (1 -very fertile 3 - fertile 5 - not very fertile 7 - not fertile at all)	<b>CS8A</b> [     ]
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<b>CS9</b> Is soil loss considered to be a significant problems for this plot? (1 - yes 3 - no )	<b>CS9</b>
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<b>CS9A</b> In which of the 5 past years, did the plot lose a significant amount of soil? (Use codes below)	<b>CS9A</b> [     ]
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**CS9A - Codes for Years**

- |                   |                |
|-------------------|----------------|
| A - no soil losee | D - 4/94 -3/95 |
| B - 4/96 -3/97    | E - 4/93 -3/94 |
| C - 4/95 -3/96    | F - 4/92 -3/93 |

**RF**-rebuff or reject to answer the question **NA**- the question is not applicable **DK**- don't

know the answer **MI**- missing data

<b>CS9B</b> What is the reason for soil loss? (1 - wind 3 - rain )		
(Answer this question to every answer for <b>CS9A</b> )		
1 - 4/96 -3/97	-----	<b>CS9B1</b> [     ]
2 - 4/95 -3/96	-----	<b>CS9B2</b> [     ]
3 - 4/94 -3/95	-----	<b>CS9B3</b> [     ]
4 - 4/93 -3/94	-----	<b>CS9B4</b> [     ]
5 - 4/92 -3/93	-----	<b>CS9B5</b> [     ]

**RF**-rebuff or reject to answer the question    **NA**- the question is not applicable    **DK**- don't know the answer    **MI**- missing data