

# Survey on Living Conditions and Sustainability in Cocoa Farming

## FARMER QUESTIONNAIRE

September 2009

HARVARD UNIVERSITY &  
THE INSTITUTE OF STATISTICAL, SOCIAL AND ECONOMIC RESEARCH,  
UNIVERSITY OF GHANA

Region Number:	<input type="text"/> <input type="text"/>
District Number:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
E.A. Number	<input type="text"/> <input type="text"/> <input type="text"/>
Household Number:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Interviewer Number:	<input type="text"/> <input type="text"/> <input type="text"/>
Supervisor Number:	<input type="text"/> <input type="text"/>
Completed Questionnaire Checked and Approved by Supervisor:	<input type="checkbox"/> <i>Check if yes:</i>
Date Approved: DD / MM / YYYY	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

## INSTRUCTION GUIDE



**Small white boxes** are to be checked. For example if respondent says “yes” when asked “Were you born in this village?” the box next to “yes” should be checked as:



**Medium-sized white boxes** are for writing one letter or number per box. For example:

**Dates:** If the first visit occurs on 15 September, 2009, the boxes should be filled in as:

**1** **5** / **0** **9** / **2** **0** **0** **9**

**First time example:** If the interview starts at 16:10 then fill the boxes as:

**1** **6** : **1** **0**

**Second time example:** If the respondent answers “15 minutes” when asked “How long does it take to fetch water?” fill the boxes as:

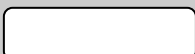
**0** **0** : **1** **5**

**Amounts:** If the respondent answers “19 cedis” when asked “How much did you pay?” fill the boxes as:

**1** **9** Ghana cedis

**Numbers:** For household number 1908 the household number boxes should be filled in as:

**1** **9** **0** **8**



**Larger white boxes** are for writing text, phrases or sentences. Consider nationality, for example. If the respondent mentions a nationality not listed, their nationality should be written in the “write in” box.

For **names**, print using CAPITAL LETTERS, such as:

**FIRST\_NAME LAST\_NAME**

or

**KUMASI**

**Italicized font is NOT to be read** (for example, all information in this instruction guide)  
**Uppercase font is TO be read.**

Information in **[SQUARE BRACKETS]** is to be substituted. For example, if the first form of labor was harvesting:

“How many people worked with **[LABOR]**?” Would be read as

“How many people worked with harvesting?”

## INFORMATION SHEETS

### SUPERVISOR (from listing sheet) Household Information

Name of Region: <input style="width: 90%;" type="text"/>	Name of District: <input style="width: 90%;" type="text"/>
Region Number: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	District Number: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>
Household Number: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	E.A. Number: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>
Name of Village: <div style="border: 1px solid black; height: 30px; width: 100%; margin-top: 5px;"></div>	GPS Coordinates Of Household: N: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> D <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> ° M <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> S <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> S' <input style="width: 20px;" type="text"/> W or E: D <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> D <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> ° M <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> S <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> S' <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>
Name of Household Head:	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>
Name of Main Farmer:	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>

### INTERVIEWER First Visit

Name of Interviewer: <div style="border: 1px solid black; width: 300px; height: 20px;"></div>	Date: <div style="display: inline-block; text-align: center;"> <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/> / <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/> / <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/>  <small>D D M M Y Y Y Y</small> </div>
Interviewer Number: <div style="display: inline-block; text-align: center;"> <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/> </div>	

Dwelling Found:  
 Yes.....☐  
 No.....☐ ➔ **Contact Supervisor**

Please describe the location of the household in the space below. Provide all the information that would be necessary to locate the household again:

Is the main farmer available to participate in this interview?

Yes.....☐

No.....☐ ➔ **Make appointment for return visit, and enter date and time of appointment below**

Appointment Date: 

/  /   
D D M M Y Y Y Y

Appointment Time: 

:   
H H M M

### Second Visit

Name of Interviewer: <div style="border: 1px solid black; width: 300px; height: 20px;"></div>	Date: <div style="display: inline-block; text-align: center;"> <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/> / <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/> / <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/>  <small>D D M M Y Y Y Y</small> </div>
Interviewer Number: <div style="display: inline-block; text-align: center;"> <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/> </div>	

Is the main farmer available to participate in this interview?

Yes.....☐

No.....☐ ➔ **Contact Supervisor**

### Third Visit

Name of Interviewer: <div style="border: 1px solid black; width: 300px; height: 20px;"></div>	Date: <div style="display: inline-block; text-align: center;"> <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/> / <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/> / <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/>  <small>D D M M Y Y Y Y</small> </div>
Interviewer Number: <div style="display: inline-block; text-align: center;"> <input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/><input style="width: 20px;" type="text"/> </div>	

Is the main farmer available to participate in this interview?

Yes.....☐

No.....☐ ➔ **Contact Supervisor**

## INTERVIEW INFORMATION

Language used for interview: (check one box)

- English..... ☐  
Twi..... ☒  
Fanti ..... ☐  
Brong..... ☐  
Nzema ..... ☐  
Ewe ..... ☐  
Konkomba ..... ☐  
Ga-Adangme-Krobo ..... ☐  
Dagbani..... ☐  
Another language..... ☐

Write in

Was an interpreter used?

- Yes ..... ☐  
No ..... ☐

Start Time:

<input type="text"/>	<input type="text"/>	:	<input type="text"/>	<input type="text"/>
H	H		M	M

(for example 14:16)

## CONSENT FORM

**Title of Study:** *Survey on Living Conditions and Sustainability in Cocoa Farming*  
**Research Partners:** *Researchers at Harvard University and at the Institute of Statistical, Social and Economic Research (ISSER) at the University of Ghana.  
Noguchi Memorial Institute of Medical Research*



**Please do NOT read section headings to respondent**

### 1. INTRODUCTION AND PURPOSE OF STUDY ON COCOA FARMING

Greetings, my name is \_\_\_\_\_. I am with the Institute of Statistical, Social and Economic Research at the University of Ghana. We would like to invite you to take part in a study that looks into the lives of cocoa farming individuals and households in Ghana that are affected by economic changes in the cocoa growing sector.

### 2. RANDOM SELECTION

You have been chosen randomly as one of the participants for this study. We interview about 5 to 15 farmers who have been chosen by chance in the 500 communities that we are visiting.

### 3. TOPICS OF THE INTERVIEW

If you agree to participate in this study we will ask you detailed questions about such things as who lives in your household, the education and health of members of your household, the types of work members of your household do, your sources of income, activities done on your farm, crops grown, your participation in the community and associations, as well as your view of major problems in the village. The health questions include access to medical care and past medical visits. We would also like to obtain measures of household members' height and weight. We may ask you to visit one of your cocoa farms together with you.

### 4. LENGTH OF THE INTERVIEW AND FUTURE CONTACT

The interview will take about two to three hours of your time. Because we are interested in changes in your household and your community over time we would like to contact you again in the future (in 1-2 years time), even if you move, to conduct a follow-up interview. We hope to talk with you once every one or two years over the next five to ten years.

### 5. CONFIDENTIALITY

All the answers you provide will be kept private – no one will be able to share or use the individual information you provide without your permission. We will make every effort to prevent anyone beyond the main researchers from having access to your results. The information will be stored securely in offices at ISSER and at Harvard University and confidentiality will be maintained at all times.

### 6. DISCOMFORTS AND CLARIFICATIONS

If you choose to take part in the study, you are free to choose not to answer any of the questions that may make you uncomfortable. You can stop me at any time to clarify the questions or ask me to repeat something if you do not understand.

### 7. BENEFITS FOR COCOA FARMERS

This research study will provide information to public, private and nonprofit organizations on the major challenges faced by your community, your district and by cocoa farmers in Ghana so that services can be made more useful to cocoa farmers like you. We realize that your time is valuable and that it may not be easy for you to devote time to our study. We would like you to know that your participation is greatly appreciated and is extremely valuable to the success of our efforts to better understand how the lives of cocoa farming families like yours could be improved.

### 8. ALTERNATIVES

You may choose not to take part in the study at any time. Your decision to participate or not participate in this study will not affect you in any way as the study is for research purposes only.

9. QUESTIONS

If you have any questions about the study please contact:

Clement Ahiadeke, ISSER, University of Ghana, Legon. Phone: 021501182;  
Michael Hiscox, Harvard University, Cambridge MA 02138, USA. Phone: (+1) (617) 495 2605;  
or  
Rev. Dr. Ayete-Nyampong, Chairperson, Noguchi Memorial Institute of Medical Research,  
Mobile: 0208152360  
(Note that Noguchi Memorial Institute of Medical Research has also reviewed and  
approved the research)

10. RESPONDENT'S CHOICE

If I have answered all your concerns and questions about this study and you are satisfied with the answer, please sign or tell me that you are willing to participate in the study. Your participation in this study is completely voluntary. We will be very grateful if you participate. Do you agree to be interviewed?

Yes..... ☐

No ..... ☐

Is respondent literate?

Yes ..... ☐ ➡ Obtain respondent signature & date below

No ..... ☐ ➡ Obtain their verbal consent or refusal

Signature of Respondent:

Date:

M	M	D	D	Y	Y	Y	Y

Verbal Consent:

Yes ..... ☐

No ..... ☐

Signature of Interviewer:

Date:

M	M	D	D	Y	Y	Y	Y

**PERSON TO BE INTERVIEWED:** The main farmer, defined as the household member that is most responsible for cultivating the cocoa farm or farms, as identified on the listing sheet. This will usually be the head of the household.



**PLEASE READ TO RESPONDENT BEFORE START OF INTERVIEW**

Before we start, let me tell you a little bit about the interview process. You will be asked two kinds of questions in this survey.

In some cases, I will be asking you to answer questions in your own words.

For other questions, I will read out loud a set of answers, and you will be asked to choose the one that is closest to your own view. Even though none of the answers may fit your ideas exactly, please choose the response closest to your views.

Please feel free to take your time answering questions. Also feel free to consult any records you may have which contain helpful information (i.e. birth certificates, farmer's passbooks, insurance cards, and vaccination cards).

It is very important that you answer as accurately as possible.

## MODULE A: DEMOGRAPHIC INFORMATION

### SECTION A1: HOUSEHOLD ROSTER



Please read each question below out loud.

**I would like to know about all the people, present or absent, who usually live and eat together in this household.**

**First, I would like to know about the head of household, his wife (wives) or her husband, and their children. For each person, please tell me their formal name and sex, and how they are related to the head of household.**

*Write the formal name, sex, and relationship to the head of household for each person in columns A1-A3 on the household roster (next page). Write information for the respondent (head of household) in the first row. Write information about the spouse in the second row, and about the children starting in the third row. If there is more than one wife, list the most important wife followed by her children. Then list the second most important wife and her children, etc.*

**Second, I would like to know about any other people who are related to the head of household, and who usually live and eat in this household. For each person, please tell me their formal name, their sex, and how they are related to the head of household.**

*Write down the formal name, sex, and relationship to the head of household for each person as you list them in columns A1-A3 of the household roster.*

**Third, I would like to know about any other people NOT related to the head of household who usually live and eat in this household (for example, house help). For each person, please tell me their formal name, their sex, and how they are related to the head of household.**

*Write down the formal name, sex, and relationship to the head of household for each person as you list them in columns A1-A3 of the household roster.*

**Fourth, I would like to know about any other people who are not present but who normally live and eat in this household (for example, people who are temporally away for school, for marriage, or who work somewhere else during certain seasons). For each person, please tell me their formal name, their sex, and how they are related to the head of household.**

*Write down the formal name, sex, and relationship to the head of household for each person as you list them in columns A1-A3 of the household roster.*

**Now that we have decided who we are interested in knowing about, I would like to ask a few more questions about each person. For each person, I will ask you to tell me the name the household member is usually known by, the year the household member was born, their age, and what their marriage status is.**

*Complete A4-A7 for each listed person (ask A7 only for persons 12 and older).*

## HOUSEHOLD ROSTER

### Household Roster Code List

A2. Sex	A3. Relationship to Head of Household		A7. Marriage Status	
1. Male 2. Female	01. Household head 02. Spouse 03. Son/Daughter 04. Brother/Sister 05. Daughter-in-law/Son-in-law 06. Grandchild	07. Step child 08. Parent/Parent-in-law 09. Other relative 10. House help 11. Non-relative	1. Married, one wife or husband 2. Married, more than one wife or husband 3. Single 4. Cohabitation	5. Divorced/ Separated 6. Widowed  9. Did not answer

Person ID	A1 Formal Name	A2 Sex	A3 Relation-ship to head of household	A4 Common name <i>This is the name people usually know the person by.</i>	A5 Birth year  Y Y Y Y	A6 Age <i>Write years &amp; months if 5 years or under, otherwise years only. If &lt; than 12 years, ➡ GO TO A4 for next person.</i> Years Months	A7 Marriage status <i>Read list</i>
01		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
02		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
03		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
04		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
05		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
06		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
07		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
08		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
09		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



A8

**Who in the household is responsible for the cocoa farm or farms?***Write the name and Person ID for all the people who are responsible, including the respondent*

Name	Person ID
<input type="text"/>	<input type="text"/> <input type="text"/>
<input type="text"/>	<input type="text"/> <input type="text"/>
<input type="text"/>	<input type="text"/> <input type="text"/>

**SECTION A2: IDENTITY**

A9

**What is your nationality?**

- Ghanaian ..... ☐  
 Ivorian ..... ☐  
 Togolese ..... ☐  
 Malian ..... ☐  
 Nigerian ..... ☐  
 Burkinabe ..... ☐  
 Another nationality ..... ☐

Write in:

A10

**What is your religion?**

- Christian – Catholic ..... ☐  
 Christian – Independent African Churches ... ☐  
 Christian – Pentecostal/Charismatic ..... ☐  
 Christian – Protestant ..... ☐  
 Christian – Other ..... ☐  
 Muslim ..... ☐  
 Spiritualist ..... ☐  
 Traditional ..... ☐  
 Another religion ..... ☐  
 No religion ..... ☐  
 Did not answer ..... ☐

Write in:

**A11****What is your ethnic group?***Do not prompt with answer choices if the respondent is uncertain.**Only check one box*

Akan..... ☐

Akuapem..... ☐

Akyem..... ☐

Ashanti..... ☐

Banda..... ☐

Brefo/Birfu..... ☐

Brosa..... ☐

Builsa..... ☐

Busanga..... ☐

Dagate..... ☐

Dagomba..... ☐

Ewe..... ☐

Fanti..... ☐

Frafra..... ☐

Ga/Adangbe..... ☐

Ghanaian only..... ☐

Gonja..... ☐

Groma/Gruma..... ☐

Guan..... ☐

Hausa..... ☐

Kasina..... ☐

Konkomba..... ☐

Kusasi..... ☐

Kwahu..... ☐

Mamprusi..... ☐

Nzema..... ☐

Sefwi..... ☐

Sisila..... ☐

Talensi..... ☐

Twi..... ☐

Waala..... ☐

Wassa..... ☐

Another ethnic group..... ☐

Write in:

**A12****What is the main language you speak at home?***Do not prompt with answer choices if the respondent is uncertain.*

Akan..... ☐

Basare..... ☐

Brefo..... ☐

Brosa..... ☐

Buli..... ☐

Dagaari..... ☐

Dagbani..... ☐

English..... ☐

Ewe..... ☐

Fanti..... ☐

Frafra..... ☐

Ga/Dangbe..... ☐

Hausa..... ☐

Kasem..... ☐

Konkomba..... ☐

Kusasi..... ☐

Sisila..... ☐

Twi..... ☐

Another language..... ☐

Write in:

Did not answer..... ☐**A13****Were you born in this village?**

Yes..... ☐

No..... ☐

**GO TO A17**

## SECTION A3: MIGRATION

**A14** In which country were you born?

- |                       |                          |                    |
|-----------------------|--------------------------|--------------------|
| Ghana .....           | <input type="checkbox"/> | ➡ <b>GO TO A16</b> |
| Burkina Faso .....    | <input type="checkbox"/> |                    |
| Cote d'Ivoire .....   | <input type="checkbox"/> |                    |
| Mali .....            | <input type="checkbox"/> |                    |
| Nigeria .....         | <input type="checkbox"/> |                    |
| Togo .....            | <input type="checkbox"/> |                    |
| Another country ..... | <input type="checkbox"/> |                    |

Write in:

**A15** In which region of Ghana were you born?

- |                     |                          |                  |                          |
|---------------------|--------------------------|------------------|--------------------------|
| Ashanti .....       | <input type="checkbox"/> | Northern .....   | <input type="checkbox"/> |
| Brong Ahafo .....   | <input type="checkbox"/> | Upper East ..... | <input type="checkbox"/> |
| Central .....       | <input type="checkbox"/> | Upper West ..... | <input type="checkbox"/> |
| Eastern .....       | <input type="checkbox"/> | Volta .....      | <input type="checkbox"/> |
| Greater Accra ..... | <input type="checkbox"/> | Western .....    | <input type="checkbox"/> |

**A16** How many years ago did you move to this village?

Write number of years

		years
--	--	-------

**A17** In the last 12 months, how many days have you lived away from the village to do work?

Write number of days

			days
--	--	--	------

## MODULE B: WORK

### SECTION B1: HOUSEHOLD FARMS

**B1**

Which months are your busiest?

*Check all that apply*

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**B2**

Which months are your least busy?


*Check all that apply*

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please Continue





	 Ask B4-B5 for each person in the household, age 5 or older.											
	<b>B4</b> During your <b>BUSIEST</b> cocoa season, roughly how many hours per day and days per week does [NAME] typically spend working on any cocoa farm or farms you cultivate?					<b>B5</b> During your <b>LEAST BUSY</b> cocoa season, roughly how many hours per day and days per week does [NAME] typically spend working on any cocoa farm or farms you cultivate?						
Person ID	Hours per day			Days per week			Hours per day			Days per week		
01												
02												
03												
04												
05												
06												
07												
08												
09												
10												
11												
12												
13												
14												
15												

## SECTION B2: OTHER WORK



Ask B6-B9 for each person in the household age 5 or older

Person ID	<b>B6</b> In the last 12 months, did [NAME] do any of the following? <i>Check boxes for work done.</i>		Check if either paid OR unpaid work is yes at B6.  <i>If "no" for paid and unpaid work, ➡GO TO B6 for next person.</i>	<b>B7</b> During your <b>BUSIEST</b> cocoa season, roughly how many hours per day and days per week does [NAME] typically spend on paid and unpaid work <b>OUTSIDE</b> of the farm or farms you cultivate?		<b>B8</b> During your <b>LEAST BUSY</b> cocoa season, roughly how many hours per day and days per week does [NAME] typically spend on paid and unpaid work <b>OUTSIDE</b> of the farm or farms you cultivate?		<b>B9</b> In the last 12 months, roughly how many Ghana cedis did [NAME] receive for <b>PAID</b> work <b>OUTSIDE</b> of the farm or farms you cultivate?
	PAID work <b>OUTSIDE</b> of the farm or farms you cultivate?	UNPAID work <b>OUTSIDE</b> of the farm or farms you cultivate?		Hours per day	Days per week	Hours per day	Days per week	Write 0 if no money was received Ghana cedis
01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
06	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
07	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
08	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### SECTION B3: WORK-RELATED HAZARDS



Ask B10 for each person in the household, age 5 or older

Use the household roster to determine the household member's name and age

**B10**

In the last month, has [NAME] experienced [PROBLEM] as a result of his or her work on a cocoa farm or farms?

Check boxes for yes

Person ID	Injury from machete or cutlass	Backache from carrying heavy loads	Burn injuries	Coughing or respiratory problems	Skin damage or irritation	Eye irritation
01	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
02	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
04	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
06	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
07	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
08	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## MODULE C: FARM AND LAND

### SECTION C1: LAND OWNERSHIP

**C1** Do you own any farm land?

Yes..... ☐

No..... ☐ ➔ **GO TO C12**

**C2** Do you have a legal title for the land that you own?

*If necessary, clarify that a legal title means a formal document issued by a government agency which certifies that the respondent is the legal owner of the land. A formal "farm plan" can serve this purpose.*

Yes..... ☐

No..... ☐

**C3** In the last 12 months, have you given out any of the land that you own for sharecropping?

Yes..... ☐

No..... ☐ ➔ **GO TO C8**

**C4** In the last 12 months, did you receive any cocoa from sharecroppers who used your land for cocoa farming?

Yes..... ☐

No..... ☐ ➔ **GO TO C6**

**C5** In the last 12 months, how much cocoa have you received from sharecroppers who used your land for cocoa farming?

*Check one box for unit of measurement, and write quantity beneath.*

Pounds..... ☐

Kilos..... ☐

Maxibags..... ☐

Minibags..... ☐

Another unit..... ☐

Quantity:

Write in:

**C6** In the last 12 months, not counting any cocoa given to you by sharecroppers, did you receive any other payments from sharecroppers who use your land?

*Clarify that these payments include cash payments as well as payments in crops other than cocoa.*

Yes..... ☐

No..... ☐ ➔ **GO TO C8**

**C7** In the last 12 months, how much did these payments amount to in total?

--	--	--	--

Ghana cedis

**C8** In the last 12 months, have you rented out any of the land that you own (besides sharecropping)?

Yes ..... ☐

No ..... ☐

➡ **GO TO C10**

**C9** In the last 12 months, how many Ghana cedis did you receive for renting out your land?

--	--	--	--

Ghana cedis

**C10** In the last 12 months, did you buy any land?

Yes ..... ☐

No ..... ☐

➡ **GO TO C12**

**C11** How much land did you buy?

Check one box for unit of measurement and write quantity below.

Acre ..... ☐

Pole ..... ☐

Rope ..... ☐

Hectare ..... ☐

Another unit ..... ☐

Quantity:

--	--	--	--

Write in:

--	--	--	--	--	--	--	--

**C12** In the last 12 months, did you sell any land?

Yes ..... ☐

No ..... ☐

➡ **GO TO C14**

**C13** How much land did you sell?

Write amount and code for unit of measurement

Acre ..... ☐

Pole ..... ☐

Rope ..... ☐

Hectare ..... ☐

Another unit ..... ☐

Quantity:

--	--	--	--

Write in:

--	--	--	--	--	--	--	--

## SECTION C2: LAND DISPUTES



If respondent owns NO farm land (answer to C1 was "no") ➡ GO TO C17, SECTION C3.

**C14** If you left the land that you own empty (or fallow) for 6 months, would you lose your land to another farmer?

Yes ..... ☐

No ..... ☐

Did not know ..... ☐

**C15** Have you ever had a dispute with anyone over the land that you own?

Yes ..... ☐

No ..... ☐ ➡ GO TO C17

**C16** Who did you turn to when you were trying to settle this dispute?

Check all that apply

Courts ..... ☐

Police ..... ☐

Regional Security Committee ..... ☐

District Security Committee ..... ☐

Lands Commission ..... ☐

Office of the Administrator of Stool Lands ..... ☐

District Assembly ..... ☐

Ministry of Lands ..... ☐

Chiefs ..... ☐

Clan heads ..... ☐

Family heads ..... ☐

Religious leader ..... ☐

Another source ..... ☐

Write in:

### SECTION C3: FARM SIZE AND USE

**C17** I would like to talk to you about the farm or farms that you cultivate. How many separate farms do you cultivate?

Write number:   farms

C18. Size Unit Codes	C20. Sharecrop / Rent Codes	C24. Crop Codes			C26. Cocoa Unit Codes
1. Acre 2. Pole 3. Rope 4. Hectare 5. Another unit Write in: <input type="text"/>	1. Sharecrop <i>(includes Abunu, Abusa, and caretaking)</i> 2. Rent	01. Cocoa 02. Avocado Pear 03. Bananas 04. Beans/Peas 05. Cassava 06. Cocoyam 07. Colanut 08. Coffee 09. Colocasia 10. Cotton 11. Groundnut/Peanut	12. Guinea Corn/ Sorghum Millet 13. Garden egg/ Eggplant 14. Leafy vegetables 15. Kenaf 16. Mango 17. Maize 18. Oil palm 19. Okro 20. Onion 21. Oranges 22. Pineapple	23. Plantain 24. Pepper 25. Pawpaw 26. Potatoes/Sweet potato 27. Rice 28. Sugar cane 29. Tobacco 30. Tomatoes 31. Yam 32. Another crop write in: <input type="text"/>	1. Pounds 2. Kilos 3. Maxibags 4. Minibags 5. Another unit Write in: <input type="text"/>

**Let's talk about the largest farm first...**

Read C18-C31 for each farm, beginning with the largest, then the next largest including up to 5 farms. If necessary, draw circles in the dirt to illustrate shape.

	Farm 1	Farm 2	Farm 3	Farm 4	Farm 5
<b>C18</b> What is the size of the farm? Number of units: Unit code:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<b>C19</b> Do you own this farm? If C19 is "yes" ➡ GO TO C23 for this farm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>C20</b> Do you sharecrop this farm or do you pay rent to cultivate this farm land? Write sharecrop/rent code: If C20 is "rent," ➡ GO TO C22 for this farm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>C21</b> What share of the total harvest from this farm do you give to the owner? Write share or fraction (e.g., 1/4): If C20 is "sharecrop" ➡ GO TO C23 for this farm	<input type="text"/> / <input type="text"/> <input type="text"/>	<input type="text"/> / <input type="text"/> <input type="text"/>	<input type="text"/> / <input type="text"/> <input type="text"/>	<input type="text"/> / <input type="text"/> <input type="text"/>	<input type="text"/> / <input type="text"/> <input type="text"/>
<b>C22</b> In the last 12 months, how many Ghana cedis did you pay in rent for this farm land?	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<b>C23</b> Are the boundaries of this farm clearly demarcated? To clarify, ask if a fence or another type of marker clearly separates farm from other land. Check if yes: Continue to C24-C31 on page 21 below before returning to C18 for each farm.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

		<b>Farm 1</b>	<b>Farm 2</b>	<b>Farm 3</b>	<b>Farm 4</b>	<b>Farm 5</b>
<b>C24</b>	<b>What crops are planted on this farm? Please list up to three crops in order of how much land area they account for (largest to smallest).</b> <i>Ask for most important crop first, then other crops in order of importance.</i>	Crop 1: <input type="text"/> <input type="text"/> Crop 2: <input type="text"/> <input type="text"/> Crop 3: <input type="text"/> <input type="text"/>	Crop 1: <input type="text"/> <input type="text"/> Crop 2: <input type="text"/> <input type="text"/> Crop 3: <input type="text"/> <input type="text"/>	Crop 1: <input type="text"/> <input type="text"/> Crop 2: <input type="text"/> <input type="text"/> Crop 3: <input type="text"/> <input type="text"/>	Crop 1: <input type="text"/> <input type="text"/> Crop 2: <input type="text"/> <input type="text"/> Crop 3: <input type="text"/> <input type="text"/>	Crop 1: <input type="text"/> <input type="text"/> Crop 2: <input type="text"/> <input type="text"/> Crop 3: <input type="text"/> <input type="text"/>
<b>C25</b>	<b>What is the share of this farm planted with cocoa?</b> <i>Write share or fraction (e.g., 1/2)</i>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>
<b>C26</b>	<b>In the last 12 months, how much cocoa was harvested from this farm?</b> <i>Number of units:</i> <i>Unit code:</i>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<b>C27</b>	<b>What is the share of the cocoa trees on this farm that are too young to produce cocoa pods?</b> <i>Write share or fraction (e.g., 1/4):</i>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>
<b>C28</b>	<b>How old is the typical cocoa tree on this farm?</b> <i>Number of years:</i>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>
<b>C29</b>	<b>Are any of the cocoa trees on this farm of the Hybrid variety?</b> <i>Check if yes:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>C30</b>	<b>In the last 12 months, has this farm experienced any of the following problems?</b> <i>Read list; for each problem, check if yes.</i>					
	Black pod (Twi: Anonom):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Capsid (Twi: Akate):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Swollen shoot disease (Twi: Kookoo sasaboro):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Weather-related disasters (e.g. flood and drought):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Damage from lumbering:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Bushfire:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Theft:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Another problem (Write in):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="text"/>					
<b>C31</b>	<b>What share of your total annual cocoa harvest, if any, was lost on this farm due to these problems?</b> <i>Write share or fraction (e.g., 1/4):</i>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>	<input type="text"/> / <input type="text"/>



After completing C31 for farms 1 through 4, return to C18 on page 20 above for the next farm

## SECTION C4: FARMING ACTIVITIES

**C32** How many times, in each of the last 12 months, was the main cocoa farm weeded?

For each month, check one box for the number of times or for "did not weed".

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
4 times or more	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2-3 times	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1 time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did not weed farm this month	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**C33** How many times, in each of the last 12 months, was fertilizer applied to your main cocoa farm?

For each month, check one box for the number of times or for "did not apply fertilizer".

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
4 times or more	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2-3 times	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1 time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did not weed farm this month	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**C34** Are the cocoa trees on your main cocoa farm planted in rows, using lining and pegging?

Yes..... ☐

No..... ☐

**C35** Are any shade trees planted on your main cocoa farm?

Yes..... ☐

No..... ☐

## SECTION C5: INVESTMENT

**C36** In the last 12 months, were any cocoa trees planted on your main cocoa farm?

Yes ..... ☐  
 No ..... ☐ ➔ **GO TO C39**

**C37** How many trees were planted in the last 12 months on your main cocoa farm?

trees

**C38** Where did you get the seed pods or seedlings?

*Do not prompt with answer choices if the respondent is uncertain*

From other trees from my farms ..... ☐  
 From other farmers in this village ..... ☐  
 Purchased at market ..... ☐  
 From the government (SPU or CRIG) ..... ☐  
 From Licensed Buying Company (LBC) ..... ☐  
 From NGO development project ..... ☐  
 Another source ..... ☐

Write in:

**C39** In the last 12 months, did you do any of the following?

*Read aloud and check all that apply*

Built or improved structures on a farm you own or cultivate	<input type="checkbox"/>
Made drainage improvements on a farm you own or cultivate	<input type="checkbox"/>
Bought any vehicles for agricultural use	<input type="checkbox"/>

## SECTION C6: ASSETS

### C40 How many of each of the following types of animals do you own?

*Read aloud and write number for each (write 0 if respondent owns no animals of a particular type)*

Draught animals (donkey, horse, mule, oxen)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Cattle	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sheep	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Goats	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Pigs	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Rabbits	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Chicken	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Grasscutters	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other poultry (ducks, guinea fowl)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

### C41 How many of the following types of tools and equipment do you own?

*Read aloud and write number for each (write 0 if respondent owns no tools or equipment of a particular type)*

Cutlass	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Axe	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Chainsaw	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Harvesting hook	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Pruner	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Water pump	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Pneumatic knapsack sprayer	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Motorized mist blower	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Car or tractor	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Motorcycle	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Bicycle	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



*Please continue to the next page.*



## MODULE D: CROPS

### SECTION D1: COCOA OUTPUT

**D1** I would now like to talk about how you sell the cocoa you grow. In the last 12 months, how many different buyers did you sell cocoa to?

buyers

D2 Licensed Buying Company (LBC) Codes			D3 Buyer Type Codes	D5 Codes for Who Wrote Information
01. Produce Buying Company (PBC, formerly CMB)	09. Akafo Adamfo Marketing Ltd. (AAM)	17. Cocoexco Ltd. (CEL)	1. Pre-harvest contractor	1. Respondent personally enters information into the passbook
02. Federated Commodities Ltd. (FCL)	10. Armajaro (Gh) Ltd. (AGL)	18. Chartwell Ventures Ltd. (CVL)	2. Extension agent	2. Purchasing clerk from the LBC enters the information
03. Kuapa Kokoo Ltd. (KKL)	11. West African Exchange Co. Ltd. (WAECCO)	19. Royal Commodities Ltd. (RCL)	3. Trader at market	3. Someone else enters information
04. Adwumapa Buyers Ltd. (ABL)	12. Sunshine Commodities Ltd. (SCL)	20. Gamcel Company Ltd. (GCL)	4. Exporter	
05. Transroyal (Gh) Ltd (TGL)	13. Fereday Company Ltd. (FDCL)	21. Premier Commodities Limited (PCL)	5. Consumers at market	
06. Cocoa Merchants (Gh) Ltd. (CMGL)	14. Sika Aba Buyers (SABL)	22. J. Monta and Sons (JMS)	6. Cooperative	
07. Olam (Gh) Ltd. (OLAM)	15. Dio Jean Company (DJC)	23. Boti Enterprises (BOTI)	7. Farm gate buyer/From drying mat	
08. Diaby Company Ltd. (DCL)	16. Sompaa Kokoo Ltd. (SKL)	24. Another LBC (Write in): <input type="text"/>	8. Another buyer type (Write in): <input type="text"/>	

**Let's talk about the largest buyer first...**

Read D2-D16 for each buyer, beginning with the largest buyer, then the next largest buyer, including up to 5 buyers.

		Buyer 1	Buyer 2	Buyer 3	Buyer 4	Buyer 5
<b>D2</b>	<b>a. Was this buyer a Licensed Buying Company?</b> If D2a is "no" ➡ <b>GO TO D3</b> <b>b. What was the name of the Company?</b> If D2a is "yes" ➡ <b>GO TO D4</b>	Check if D2a is yes: Write LBC code: <input type="text"/> <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D3</b>	<b>What type of buyer was this?</b> Read buyer types aloud	Write buyer type code:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D4</b>	<b>Do you have passbooks in which cocoa sales to this buyer were recorded?</b> If D4 is "no" ➡ <b>GO TO D7</b>	Check if yes:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D5</b>	<b>Who wrote information into the passbooks?</b> Write code:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D6</b>	<b>To help remember past cocoa sales, would it be possible to see your passbooks?</b> Check if yes:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

		Buyer 1	Buyer 2	Buyer 3	Buyer 4	Buyer 5
<b>D7</b>	<p><i>If possible, look at passbooks with respondent for D7-D16.</i></p> <p><b>In the last 12 months, how much cocoa did you sell to this buyer from all of your farms?</b></p> <p>Quantity: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>Unit code: <input type="text"/></p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D8</b>	<p><b>What price did this buyer pay per unit at the last sale?</b></p> <p>Ghana cedis: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>Unit code: <input type="text"/></p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D9</b>	<p><b>What month and year was this last sale?</b></p> <p>Month: <input type="text"/> <input type="text"/></p> <p>Year: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D10</b>	<p><b>Did you receive full payment at the time of the last sale?</b></p> <p><i>If D10 is "yes," ➡ GO TO D12 for this buyer</i></p> <p>Check if yes: <input type="text"/></p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D11</b>	<p><b>How many weeks did you wait to receive full payment?</b></p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D12</b>	<p><b>What form of payment did this buyer use?</b></p> <p>Form of Payment code: <input type="text"/></p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D13</b>	<p><b>Did you receive any bonus payment from this buyer?</b></p> <p><i>If D13 is "no," ➡ GO TO D15 for this buyer</i></p> <p>Check if yes: <input type="text"/></p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D14</b>	<p><b>How many Ghana cedis was the bonus payment?</b></p> <p>Ghana cedis: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D15</b>	<p><b>Did you receive any gifts or benefits from this buyer?</b></p> <p><i>If D15 is "no," ➡ GO TO next buyer.</i></p> <p>Check if yes: <input type="text"/></p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D16</b>	<p><b>What types of gifts or benefits did you receive?</b></p> <p>Gift 1 code: <input type="text"/></p> <p>Gift 2 code: <input type="text"/></p> <p>Gift 3 code: <input type="text"/></p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<p><b>D7 and D8 Unit Codes</b></p> <p>1. Pounds</p> <p>2. Kilos</p> <p>3. Maxibags</p> <p>4. Minibags</p> <p>5. Another unit</p> <p>Write in:</p> <input type="text"/>		<p><b>D12 Codes for Form of Payment</b></p> <p>1. Cash</p> <p>2. AKUAFO checks</p> <p>3. Other checks</p> <p>4. Electronic payment</p> <p>5. Another payment form (write in):</p> <input type="text"/>		<p><b>D16 Codes for Gifts or Benefits</b></p> <p>1. Tools and equipment</p> <p>2. Spraying machine</p> <p>3. Personal/household goods</p> <p>4. Inputs (e.g. fertilizer, seed pods, seedlings, insecticide, fuel)</p> <p>5. Loan</p> <p>6. Books and school supplies</p> <p>7. Another gift or benefit</p> <p>Write in:</p> <input type="text"/>		

## SECTION D2: OTHER OUTPUT

Now we would like to talk about sales of crops you grow other than cocoa.

D17 Crop Code			D18 and D19 Unit Codes		D20 Buyer Type Codes
01. Avocado Pear 02. Bananas 03. Beans/Peas 04. Cassava 05. Cocoyam 06. Colanut 07. Coffee 08. Colocasia 09. Cotton 10. Groundnut/Peanut 11. Guinea Corn/ Sorghum Millet	12. Garden egg /Eggplant 13. Leafy vegetables 14. Kenaf 15. Mango 16. Maize 17. Oil palm 18. Okro 19. Onion 20. Oranges 21. Pineapple	22. Plantain 23. Pepper 24. Pawpaw 25. Potatoes/Sweet potato 26. Rice 27. Sugar cane 28. Tobacco 29. Tomatoes 30. Yam 31. Another crop (Write in): <input style="width: 100%;" type="text"/>	01. Pounds 02. Kilos 03. Maxibags 04. Minibags 04. Margarin tin 05. Head load 06. American tin 07. Bundle	08. Metric ton 09. Liter 10. Gallon 11. Basket 12. Bowl 13. Bunch 14. Another unit Write in: <input style="width: 100%;" type="text"/>	1. Pre-harvest contractor 2. Extension agent 3. Trader at market 4. Exporter 5. Consumers at market 6. Cooperative 7. Farm gate buyer 8. Another buyer type Write in: <input style="width: 100%;" type="text"/>

**D17** In the last 12 month, what crops other than cocoa contributed most to your household income? Please tell me up to four crops in the order of importance.

Crop Number	Crop Code
1 - most important	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>
2 - second most important	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>
3 - third most important	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>
4 – fourth most important	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>

Read D18-D20 for each crop beginning with the most important crop, then the next most important crop, etc.

		Crop 1	Crop 2	Crop 3	Crop 4
<b>D18</b>	In the last 12 months, how much of [CROP] did you sell?				
	Quantity:	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>
	Unit code:	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>
<b>D19</b>	What was the typical price you received per unit of [CROP] sold?				
	Ghana cedis:	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>
	Unit code:	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>
<b>D20</b>	What type of buyer did you sell most of [CROP] to?				
	Buyer type code:	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>	<input style="width: 20px;" type="text"/>

## SECTION D3: LABOR

Now we would like to talk about the people who worked for you on the farm or farms you cultivate. First, let's talk about people who worked for you as short-term or day labor.

**D21** In the last 12 months, did you hire any day labor to work for you?

Yes..... ☐

No ..... ☐



**GO TO D27**

Ask D22-D24 for one type of labor before asking about the next type.	Land preparation	Planting of crops	Weeding and farm maintenance	Applying inputs (e.g. fertilizer, pesticides)	Harvesting
<b>D22</b> In the last 12 months, how many people worked for you as short-term day labor to help with [LABOR]? <i>Number of people:</i>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D23</b> In the last 12 months, how many days did the typical short-term day laborer work on your farm when helping with [LABOR]? <i>Number of days:</i>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>D24</b> What was the daily wage paid to short-term day laborers who helped with [LABOR]? <i>Ghana cedis:</i>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**D25** Did compensation for short-term day laborers include meals only, a portion of the harvest only, both meals and a portion of the harvest, or neither meals nor a portion of the harvest? Check only one.

- Meals only ..... ☐
- A portion of the harvest only..... ☐
- Meals and a portion of the harvest..... ☐
- Neither ..... ☐

**D26** Where is the typical day laborer from? Check only one.

- This village..... ☐
- Beyond this village, in this district ..... ☐
- Beyond this district, in this region..... ☐
- Other region in Ghana..... ☐
- Burkina Faso ..... ☐
- Cote d'Ivoire ..... ☐
- Togo ..... ☐
- Another place ..... ☐

Write in:

Now, let's talk about people who worked for you as long-term labor, year-round.

**D27** In the last 12 months, could you tell me how many people worked for you as long-term labor?

people



If D27=0 people



GO TO D31

**D28** In the last 12 months, how many months did the typical long-term laborer work for you? Write number of months

months

**D29** In the last 12 months, how much did you pay the typical long-term laborer in any of the following ways...?

Monthly wage	Ghana cedis:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Lump sum payment	Ghana cedis:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Share of your cocoa harvest	Share (e.g. 1/5):	<input type="text"/> / <input type="text"/>
Provision of housing and meals	Number of days:	<input type="text"/> <input type="text"/> <input type="text"/>
Another form of payment (Write in):	Estimate in Ghana cedis:	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

**D30****Where is the typical long-term laborer from?***Check only one.*

- |  |                          |                     |                          |
|--|--------------------------|---------------------|--------------------------|
| This village.....                          | <input type="checkbox"/> | Cote d'Ivoire.....  | <input type="checkbox"/> |
| Beyond this village, in this district..... | <input type="checkbox"/> | Togo.....           | <input type="checkbox"/> |
| Beyond this district, in this region ..... | <input type="checkbox"/> | Another place:..... | <input type="checkbox"/> |
| Other region in Ghana .....                | <input type="checkbox"/> |                     |                          |
| Burkina Faso.....                          | <input type="checkbox"/> |                     |                          |

Write in:

**Now, let's talk about people who worked for you as labor exchange.****D31****In the last 12 months, could you tell me how many people worked for you as labor exchange?***Write number of people*

people

*If D31=0***GO TO D33****D32****In the last 12 months, how many days did the typical exchange laborer work for you?***Write number of days*

days

**D33****In the last 12 months, did you try to hire labor and were unable to do so?**Yes.....☐No.....☐**GO TO D35****D34****Why were you unable to hire labor?**Wages too high.....☐No workers available.....☐Another reason .....

☐

Write in:

**Please continue to the next page.**

Farmer Questionnaire

31

## SECTION D4: INPUTS

We would now like to ask you about the different types of inputs you might have used on the farm or farms that you cultivate.

D37 and D39 Unit of Measurement Codes	D38 Source Codes
1. Liters 2. Sachets 3. Kilos 4. Pieces 5. Number 6. Another unit      Write in: <input style="width: 100px;" type="text"/>	1. Private shop/seller 2. Licensed Buying Company 3. Cooperative 4. Government 5. NGOs 6. Landowner 7. Another source      Write in: <input style="width: 100px;" type="text"/>

Let's start with chemical fertilizer ...

Read questions D35-D39 for each type of input in turn, beginning with chemical fertilizer

	Chemical fertilizer	Insecticide	Herbicide	Fungicide	Organic pesticides or bio- pesticides	Seed pods	Seed- lings	Knap- sack sprayer	Moto- rized mist blower
<b>D35</b>	<b>In the last 12 months, did you use any [INPUT]?</b> <i>If D35="no," ➡ GO TO next type of input. Check if yes:</i>								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>D36</b>	<b>Which brand of [INPUT] did you mostly use?</b> <i>Ask for first 5 input types. Brand name:</i>								
	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>	<input style="width: 80px;" type="text"/>				
<b>D37</b>	<b>In the last 12 months, how much [INPUT] did you use?</b> <i>Quantity:</i>								
	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>
	<i>Unit code:</i>								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>D38</b>	<b>Where did you get [INPUT]?</b> <i>Source code:</i>								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>D39</b>	<b>What price per unit did you pay for [INPUT]?</b> <i>Include payments for renting</i>								
	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>
	<i>Ghana cedis:</i>								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<i>Unit code:</i>								



## MODULE E: OTHER BUSINESS

### SECTION E1: OTHER AGRICULTURAL

**E1** In the last 12 months, roughly how many Ghana cedis did your household receive for selling any of the following?

*Read aloud and enter amount for each.*

	Ghana cedis
Dairy products (e.g. eggs, milk, cheese)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Honey, mushrooms, and palm wine	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Wood and rubber	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Livestock and hides	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

### SECTION E2: NON-AGRICULTURAL

**E2** In the last 12 months, roughly how many Ghana cedis did your household earn from the following sources?

*Read aloud and enter amount for each.*

	Ghana cedis
Rent from houses you own	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Rent from equipment/animals you own	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Trading non-agricultural goods (e.g. crafts, clothes)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Tourism	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Fishing	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Another source Write in: <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

**E3** In the last 12 month, how many Ghana cedis has your household received in income from relatives who live in another part of Ghana or in another country and send money to you?

Ghana cedis

## MODULE F: EDUCATION

### SECTION F1: SCHOOLING

We would now like to talk about the education that each member of the household has received or is receiving now.

Use household roster for each person's ID and name. Complete F1-F3 for each listed person, beginning with Person 01.

#### F2. Education Codes

- |  |                                   |                                |
|--|-----------------------------------|--------------------------------|
| 01. None                                 | 05. Vocational/Commercial         | 10. Technical/professional     |
| 02. Pre-school/ nursery                  | 06. "O" Level                     | 11. Tertiary (e.g. university) |
| 03. Primary                              | 07. Senior Secondary School (SSS) | 12. Koranic                    |
| 04. Middle/Junior Secondary School (JSS) | 08. "A" Level                     |                                |
|  | 09. Training College              | 99. Don't know                 |

Person ID	F1 Has [NAME] ever attended school? Check if yes If "no," ➡ GO TO next person	F2 What was the highest level [NAME] successfully completed? Education code:	F3 How many years of schooling has [NAME] completed in total? Enter number of years
01	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
02	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
03	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
04	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
05	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
06	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
07	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
08	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
09	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
10	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
11	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
12	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
13	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
14	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
15	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>

## SECTION F2: SCHOOL-AGED CHILDREN

**We would now like to talk about the children in the household who are between 5 and 21 years of age.**

*Use household roster for each person's ID, name, and age. Enter Person ID and complete F4-F11 for each listed person aged between 5 and 18.*

F5 & F7 Reasons Not Enrolled in School Codes (Do not read aloud)				F11. Transportation Codes	
01. Disabled/illness	06. Education not considered	11. Work for pay outside	15. School vacation	1. Walk	
02. No school/school too far	valuable	household	16. Teacher absent	2. Bus	
03. Cannot afford school	07. School not safe	12. Unpaid work outside	17. Bad weather	3. Car, taxi, motorcycle	
04. Family does not allow	08. Learning a job	household	18. Other (write in)	4. Bicycle	
schooling	09. Work on household farm	13. Help at home with chores		5. Boat	
05. Child not interested in school	10. Other work in household	14. Completed school		6. Other (write in)	

Person ID	F4	F5	F6	F7	F8			F9	F10	F11
	Is [NAME] currently enrolled in school? <i>Check if yes. If yes, ➡ GO TO F6 for same person</i>	Why is [NAME] not enrolled in school? ➡ GO TO F4 for next person. <i>Education code:</i>	How many days of school did [NAME] miss in the past 2 weeks? <i>Write number</i>	Why did [NAME] miss school day(s) during the past 2 weeks? <i>Education code:</i>	In the last 12 months roughly how much did you spend for [NAME] on each of the following items for school? Fees? Uniforms? Books? <i>Enter amount in Ghana cedis for each category</i>			On a typical day, roughly how much do you spend for [NAME] on transport to and from school? <i>Write amount in Ghana cedis</i>	On a typical day, how long does it take [NAME] to get to school (one way)? <i>Write hours and minutes, e.g. 00:15</i> <i>H H M M</i>	On a typical day, how does [NAME] get to school? <i>Transportation code:</i>
					Fees	Uniforms	Books			
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> : <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> : <input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> : <input type="text"/>	<input type="text"/>
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<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/> : <input type="text"/>	<input type="text"/>

F12

Are any of the children in your household currently attending a boarding school?

Yes ..... ☐

No ..... ☐

No children in household ..... ☐

## MODULE G: HEALTH

### SECTION G1: GENERAL HEALTH

We would now like to talk about health issues.

We have some equipment here and would like to measure the height and weight of the young children in the household. We would be happy to take these measurements for any other persons in the household too, if they would like to know their exact height and weight.



Calibrate scales to zero.

Use household roster for each person's ID, name, and age. Take measures for all children aged 5 and under.

	<b>G1</b>	<b>G2</b>
Person ID	Height Centimeters:	Weight Kilograms:
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>



Please fill in health card.

## SECTION G2: ILLNESS

**We would now like to talk about any medical care that each member of the household has received or is receiving now.**

*Use household roster for each person's ID and name. Complete G3 for each listed person, beginning with Person 01.*

**G3** During the last month, has [NAME] sought medical care from a [SOURCE]?

*Read options.*

Check all that apply.

[illegible]

### SECTION G3: VACCINATIONS, MALARIA, AND INSURANCE



Ask to see vaccination cards and NHIS cards for household members if they have any.

Use household roster for each person's ID and name. Complete G4-G7 for each listed person, beginning with Person 01.

Check one box per person per question; if respondent does not know, check "DK"

G4

G5

G6

G7

Person ID	Has [NAME] ever been vaccinated for DPT (Diphtheria, Pertussis, and Tetanus)?	Has [NAME] ever been vaccinated for Measles?	Is [NAME] currently covered by the National Health Insurance Scheme?	Did [NAME] sleep under a bed net last night?
01	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
02	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
03	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
04	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
05	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
06	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
07	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
08	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
09	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
10	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
11	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
12	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
13	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
14	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>
15	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/>

**G8** Do you do anything to prevent Malaria in your household?

Yes..... ☐

No ..... ☐ ➔ **GO TO G10**

**G9** What do you do to prevent Malaria in your household?

*Do not read aloud. Check all reported*

Take anti-malaria drugs	<input type="checkbox"/>
Use mosquito bed net	<input type="checkbox"/>
Treat mosquito nets with insecticide (Permethrin)	<input type="checkbox"/>
Put screens on windows	<input type="checkbox"/>
Wear long-sleeved shirts and long pants	<input type="checkbox"/>
Use mosquito repellent (DEET, oils, eucalyptus)	<input type="checkbox"/>
Use mosquito candles/incense/coil	<input type="checkbox"/>
Traditional methods (e.g. burning orange peels)	<input type="checkbox"/>
Clean surrounding environment/clear vegetation	<input type="checkbox"/>
Plant lemongrass around house	<input type="checkbox"/>
Another prevention Write in: <input type="text"/>	<input type="checkbox"/>

#### SECTION G4: MATERNAL HEALTH

**G10** In the last 10 years, have there been any pregnancies in your household (excluding current pregnancies)?

Yes..... ☐

No ..... ☐ ➔ **GO TO H1**

**G11** During the most recent pregnancy did the mother receive any prenatal care?

Yes..... ☐

No ..... ☐

**G12** During the most recent pregnancy where did the mother give birth?

Own home ..... ☐

Other home..... ☐

Public hospital or clinic ..... ☐

Private hospital or clinic..... ☐

Maternity home..... ☐

Traditional birth attendant..... ☐

Another location..... ☐ Write in:

**G13 Who assisted with the delivery?**

- Doctor ..... ☐
- Nurse/midwife..... ☐
- Community health worker..... ☐
- Traditional birth attendant..... ☐
- Relative/friend ..... ☐
- Another person ..... ☐
- No one ..... ☐

Write in:

## MODULE H: INFRASTRUCTURE

### SECTION H1: WATER

#### H1. Water Source Codes

1. Pipe-borne inside house
2. Pipe-borne outside house
3. Tanker service
4. River/stream
5. Bore-hole/tube well
6. Well
7. Dug out/pond
8. Rain water
9. Another source

Write in:

We would like to talk about the drinking water for your household during rainy and dry seasons.

Ask H1-H5 for the rainy season before asking for the dry season		Rainy Season	Dry Season
<b>H1</b>	In the [RAINY/DRY] season, what is the main source of drinking water for your household? If H1 is "Pipe-borne inside house," ➡ GO TO H4 Water source code:	<input type="checkbox"/>	<input type="checkbox"/>
<b>H2</b>	In the [RAINY/DRY] season, how long does it take you or someone from your household to walk to your source of drinking water? HH:MM e.g., 00:25	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>
<b>H3</b>	In the [RAINY/DRY] season, how many times per week or per month does someone from your household typically go to get drinking water? Write either as number of times per week or as number of times per month. Times per week: Times per month:	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/>
<b>H4</b>	In the [RAINY/DRY] season, during the last 12 months, how many days, if any, was drinking water unavailable from your main source? Write days:	<input type="text"/>	<input type="text"/>
<b>H5</b>	In the [RAINY/DRY] season, roughly how many Ghana cedis per month does your household pay for its drinking water? Ghana cedis:	<input type="text"/>	<input type="text"/>



**H6** Does your household treat its drinking water?

Yes..... ☐

No ..... ☐ ➡ **GO TO H8**

**H7** How does your household treat its drinking water?

*Do not read answers aloud. Check all that apply.*

Filter ..... ☐

Boiling ..... ☐

Iodine drops ..... ☐

Chlorine drops ..... ☐

Sedimentation..... ☐

Moringa oleifera seeds ..... ☐

Alum..... ☐

Another treatment..... ☐

Write in:

## SECTION H2: POWER

**H8** Does your household have electricity from any source?

Yes..... ☐

No ..... ☐ ➡ **GO TO H13**

**H9** What is your household's primary source of electricity?

National grid ..... ☐

Generator..... ☐



**GO TO H11**

Car battery/regular batteries..... ☐

Wind-powered batteries..... ☐

Solar-powered batteries ..... ☐

Another source ..... ☐

Write in:

**H10** Does your household have access to a generator?

Yes..... ☐

No ..... ☐

**H11** Roughly how many Ghana cedis does your household pay for electricity in a typical month?

Ghana cedis

H12

During the last week, how many hours was your household without electricity from the national grid?

hours

H13

What is the main source of power that your household uses for cooking?

Charcoal ..... ☐

Firewood ..... ☐

Dung ..... ☐

Gas ..... ☐

Electricity ..... ☐

Kerosene ..... ☐

Solar-powered stove ..... ☐

Another source ..... ☐

Write in:

### SECTION H3: ROADS

H14

What is the name of the nearest village, not including your own?

H15

What means of transportation do you most frequently use to get to that village?

Walk ..... ☐

Public transportation (tro tro or bus) ..... ☐

Driver car, taxi, or motorcycle ..... ☐

Bicycle ..... ☐

Boat ..... ☐

Another means ..... ☐

Write in:

H16

When traveling this way, how long does it usually take you to get to that village?

E.g. 00:31

:    
H H M M

H17

In which village is the nearest market where people sell food and clothing?

Was the same village reported in both H14 and H17?

Yes ..... ☐ ➔ GO TO H20

No ..... ☐

**H18** What means of transportation do you most frequently use to get to that market?

- Walk ..... ☐
- Public transportation (tro tro or bus) ..... ☐
- Driver car, taxi, or motorcycle ..... ☐
- Bicycle ..... ☐
- Boat ..... ☐
- Another means ..... ☐

Write in:

**H19** When traveling this way, how long does it usually take you to get to that market?

E.g. 00:31

<input type="text"/>	<input type="text"/>	:	<input type="text"/>	<input type="text"/>
H	H		M	M

## SECTION H4: WASTE

**H20** How does your household dispose of its garbage?

Check all reported

- Dumped in public site ..... ☐
- Dumped in compound (including if burned later) ..... ☐
- Dumped in street/empty plot/bush ..... ☐
- Burned ..... ☐
- Collected by community association ..... ☐
- Collected by private company ..... ☐
- Collected by government ..... ☐
- Composted ..... ☐
- Recycled ..... ☐
- Fed to animals ..... ☐
- Another way ..... ☐

Write in:

**H21** What types of toilet facilities do members of the household regularly use?

Check all reported

- Flush toilet ..... ☐
- Pit/latrine ..... ☐
- Kumasi Ventilated Improved Pit (KVIP) ..... ☐
- Pan/bucket ..... ☐
- Public toilet ..... ☐
- Toilet in another house ..... ☐

Another type ..... ☐

Write in:

No toilet facility (bush, beach) ..... ☐

## SECTION H5: HOUSE CHARACTERISTICS

**H22** What material is your roof made of?

- Palm leaves/raffia thatch ..... ☐
- Wood ..... ☐
- Corrugated iron sheets ..... ☐
- Cement/concrete ..... ☐
- Asbestos/slate ..... ☐
- Roofing tiles ..... ☐
- Mud bricks/earth ..... ☐
- Bamboo ..... ☐
- Another material ..... ☐

Write in:

**H23** What material is your floor made of?

- Earth/mud/mud bricks..... ☐
- Wood ..... ☐
- Stone ..... ☐
- Cement/concrete ..... ☐
- Burnt bricks..... ☐
- Ceramic/tiles ..... ☐
- Another material ..... ☐

Write in:

**H24** How many separate rooms (including bathrooms and kitchen) are in your house?

*To clarify, for a compound, the question refers only to rooms that household members have access to.*

--	--

rooms

## MODULE I: CONSUMPTION

### SECTION I1: SHORT-TERM EXPENDITURE

- I1** How many times per week or per month does someone from your household typically go to the market to purchase food and supplies for the household?

*Write either as number of times per week or as number of times per month.*

Times per week:

Times per month:

- I2** On a typical visit, how many Ghana cedis do they spend?

Ghana cedis

### SECTION I2: YEARLY EXPENDITURE

- I3** In the last 12 months, how many Ghana cedis did you spend on the following for the household?

*Read aloud and write the amount for each in Ghana cedis.*

Funerals .....	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Ghana cedi
Weddings .....	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Ghana cedis
Rent for the house .....	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Ghana cedis
Home improvements or construction .....	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Ghana cedis
Vaccinations or other medical expenses .....	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Ghana cedis
Tertiary education .....	<input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Ghana cedis

## MODULE J: FINANCIAL

### SECTION J1: SAVINGS

**J1** Do you have a bank account?

Yes..... ☐

No ..... ☐

**J2** Do you have a Susu account?

Yes..... ☐

No ..... ☐

**J3** Does your spouse currently have access to any bank account or Susu account?  
*For polygamous households, please ask about the most important spouse.*

Yes..... ☐

No ..... ☐

No spouse..... ☐

**J4** How many Ghana cedis do you have in total savings?

--	--	--	--	--	--

Ghana cedis

### SECTION J2: CREDIT

**J5** In the last 12 months, have you received any loans?

Yes..... ☐

No ..... ☐ ➡ **GO TO J12**

**J6** In the last 12 months, roughly how many Ghana cedis was the largest loan that you received?

--	--	--	--	--	--

Ghana cedis

**J7 Who gave you this loan?**

- State bank ..... ☐
- Private bank ..... ☐
- Cooperatives ..... ☐
- Rural bank ..... ☐
- Credit union ..... ☐
- Susu collector ..... ☐
- NGO ..... ☐
- Licensed buying company ..... ☐
- Middleman ..... ☐
- Money lender ..... ☐
- Trader ..... ☐
- Farmer ..... ☐
- Relatives and friends ..... ☐
- Another person ..... ☐

Write in:

**J8 What was the main purpose of this loan?**

- To purchase farm inputs (e.g. fertilizer, seedlings, etc.) ..... ☐
- To pay for farm labor ..... ☐
- To pay for education of a household member ..... ☐
- To buy land/a house ..... ☐
- To pay rent ..... ☐
- To buy food or clothing ..... ☐
- To pay medical expenses ..... ☐
- To pay funeral expenses ..... ☐
- Another purpose ..... ☐

Write in:

**J9 How many months were you given to repay this loan?**

Write in number of months, or check box if time frame not specified

 months

☐ Repayment time frame was not specified

**J10 What was the interest rate on this loan?**

Write in percentage, or check box if interest rate not known

 percentage ➡ **GO TO J12**

☐ Don't know the interest rate ➡ Continue with J11

**J11** How many Ghana cedis did you pay back in total to settle this loan?

Ghana cedis

**J12** In the last 12 months, have you tried to get a loan and were unable to do so?

Yes ..... ☐  
No ..... ☐ ➡ **GO TO K1**

**J13** What were the reasons you could not obtain the loan?

High interest rate ..... ☐  
Lack of collateral ..... ☐  
Loan application rejected ..... ☐  
No lenders ..... ☐  
Another reason ..... ☐

Write in:

## MODULE K: ORGANIZATIONS

### SECTION K1: GROUPS

Now let's turn to your role in the village. People sometimes join organized groups, such as farmers' groups and associations, cooperatives or societies, and other types of political and religious organizations.

**K1** Are you a member of any such organized groups?

Yes ..... ☐  
No ..... ☐ ➡ **GO TO K16**

**K2** In how many such groups are you currently a member?

groups



K3

**Are you a member of any of the following types of groups?**

*Read aloud and check all reported*

- Farmer groups or associations NOT registered with the government ..... ☐
- Cooperatives or societies registered with the government ..... ☐
- Credit unions / Susu ..... ☐
- Other professional associations ..... ☐
- Ethnic associations ..... ☐
- Religious associations ..... ☐
- Women's associations or cooperatives ..... ☐
- Youth associations ..... ☐

Mem-  
bership

*Was membership reported in the first or second choice of K3?*

Yes ..... ☐

No ..... ☐ ➔ **GO TO K16 after all K3 answers have been read and reported**

K4

**Are you a member of any farmer organization that is certified by [STANDARD]?**

<i>Standards</i>	<i>Check if yes</i>	<i>Name of Organization Write in only if yes</i>
Fair Trade (for example, Kuapa Kokoo)	<input type="checkbox"/>	
UTZ	<input type="checkbox"/>	
Rainforest Alliance	<input type="checkbox"/>	
Another other similar standard <i>Write in:</i> <input type="text"/>	<input type="checkbox"/>	

K5

**What is the name of the most important farmer organization that you are a member of?**

K6

**Do you have a leadership position in this organization?**

Yes ..... ☐

No ..... ☐

K7

**In the last 12 months, roughly how many times did this organization hold meetings in your village?**

meetings

K8

**In the last 12 months, how many of these meetings have you attended?**

*Read options aloud*

All ..... ☐

Most ..... ☐

About half ..... ☐

Less than half ..... ☐

None ..... ☐

K9

**Which of the following people typically make decisions for this organization?***Read options aloud*An elected leader or committee..... ☐The village chief..... ☐By a vote of all members..... ☐Another person..... ☐

Write in:

K10

**Do you pay a membership fee to participate in this organization?**Yes..... ☐No..... ☐

K11

**Have you seen the annual budget of this organization?**Yes..... ☐No..... ☐The organization has no budget..... ☐

K12

**I'm going to read aloud a list of services. Could you tell me which, if any, this organization has provided to its members?***Read aloud. Check all that apply.*Credit/financial support..... ☐Labor support..... ☐Information sharing..... ☐Advocate for farmer training..... ☐Farmer training..... ☐Marketing produce..... ☐Manage relations with Licensed Buying Company..... ☐Acquire farm inputs..... ☐Another service..... ☐

Write in:

K13

**Are any of the cocoa farms that you cultivate certified to an organic standard?**Yes..... ☐No..... ☐**GO TO K16**

K14

**What is the name of the organic certification organization?**

K15

**Which farm or farms that you cultivate are certified to this standard?***Check all that apply. The farm codes refer to the farms identified in SECTION C3 (page 20)*

<b>Farm 1</b> Largest	<b>Farm 2</b> 2 <sup>nd</sup> largest	<b>Farm 3</b> 3 <sup>rd</sup> largest	<b>Farm 4</b> 4 <sup>th</sup> largest	<b>Farm 5</b> 5 <sup>th</sup> largest
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Complete K16-K18 for each listed type of source of extension services, beginning with COCOBOD.*

1. Accounting/business/entrepreneurial
2. Planting and farm expansion
3. Crop diversification
4. Deforestation and environment
5. Farm maintenance
6. Applying fertilizers/pesticides
7. Health and safety
8. Child labor sensitization

[illegible]

### SECTION K3: TRUST

**K19** The last time you were in need, who did you go to outside of the household for financial assistance?

*Read options aloud.*

*If more than one answer is given, ask for the person who gave the most assistance.*

*Check one box.*

A member of the extended family ..... ☐

A friend ..... ☐

A moneylender ..... ☐

Bank ..... ☐

Association you belong to ..... ☐

Someone else ..... ☐

No one ..... ☐



**GO TO K23**



Write in:



**GO TO K23**

**K20** What is the religion of this person?

Christian – Catholic ..... ☐

Christian – Independent African Churches ..... ☐

Christian – Pentecostal/Charismatic ..... ☐

Christian – Protestant..... ☐

Christian – Other ..... ☐

Muslim ..... ☐

Spiritualist..... ☐

Traditional..... ☐

Another religion ..... ☐

No Religion..... ☐

*Don't know.....* ☐

*Refused to answer .....* ☐

K21

What is the main language this person speaks at home?

Akan ..... ☐  
 Basare ..... ☐  
 Brefo ..... ☐  
 Brosa ..... ☐  
 Buli ..... ☐  
 Dagaari ..... ☐  
 Dagbani ..... ☐  
 English ..... ☐  
 Ewe ..... ☐  
 Fanti ..... ☐  
 Frafra ..... ☐  
 Ga/Dangbe ..... ☐

Hausa ..... ☐  
 Kasem ..... ☐  
 Konkomba ..... ☐  
 Kusasi ..... ☐  
 Sisila ..... ☐  
 Twi ..... ☐  
 Another language ..... ☐

Write in:

Did not answer ..... ☐

K22

What is this person's ethnic group?

Akan ..... ☐  
 Akuapem ..... ☐  
 Akyem ..... ☐  
 Ashanti ..... ☐  
 Banda ..... ☐  
 Brefo/Birfu ..... ☐  
 Brosa ..... ☐  
 Builsa ..... ☐  
 Busanga ..... ☐  
 Dagate ..... ☐  
 Dagomba ..... ☐  
 Ewe ..... ☐  
 Fanti ..... ☐  
 Frafra ..... ☐  
 Ga/Adangbe ..... ☐  
 Ghanaian only ..... ☐  
 Gonja ..... ☐  
 Groma/Gruma ..... ☐  
 Guan ..... ☐

Hausa ..... ☐  
 Kasina ..... ☐  
 Konkomba ..... ☐  
 Kusasi ..... ☐  
 Kwahu ..... ☐  
 Mamprusi ..... ☐  
 Nzema ..... ☐  
 Sefwi ..... ☐  
 Sisila ..... ☐  
 Talensi ..... ☐  
 Twi ..... ☐  
 Waala ..... ☐  
 Wassa ..... ☐  
 Another group ..... ☐

Write in:

Don't know ..... ☐

Refused to answer ..... ☐

Complete K23-K24 for each listed type of leader or official.

K24 Person Codes
1. Alone 2. With one other person 3. With a group (3 or more)  9. Don't remember

	<b>K23</b> In the last 12 months, how many times have you contacted [LEADER] about an important problem? <i>If K23=0, GO TO next type of leader</i> Write number	<b>K24</b> Please think of the last time that you contacted [LEADER]. Did you go alone, with one other person, or with a group of 3 or more? Person Code
An assemblyman or assemblywoman	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>
A paramount chief or traditional leader	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>
A District Chief Executive or District Coordinating Director	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>
A regional minister	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>
A member of parliament	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/>

## MODULE L: POLITICS

### SECTION L1: CONTACTS

- L1** In the last 12 months, how many times has your village been visited by [LEADER]?  
Read aloud and write number of times for each

Member of parliament	<input type="text"/>	<input type="text"/>
Regional minister	<input type="text"/>	<input type="text"/>
District Chief Executive or District Coordinating Director	<input type="text"/>	<input type="text"/>

### SECTION L2: PARTICIPATION

- L2** Are you currently registered to vote?

Yes..... ☐  
 No ..... ☐ ➡ **GO TO L4**

- L3** May I see your registration card?

Registration card shown ..... ☐  
 Registration card not shown ..... ☐

- L4** Thinking about the 2008 national elections, which statement is most true for you?  
Read aloud. Check only one answer .

You were not registered or you were too young to vote ..... ☐  
 You voted in the elections..... ☐  
 You decided not to vote ..... ☐  
 You could not find the polling station ..... ☐  
 Polling station was too far away for you to travel there ..... ☐  
 You were prevented from voting..... ☐  
 You did not have time to vote ..... ☐  
 Did not vote for some other reason ..... ☐  
 Don't know/can't remember ..... ☐

**L5** How interested are you in politics?  
*Read aloud*

- Very ..... ☐
- Somewhat ..... ☐
- Not very ..... ☐
- Not at all ..... ☐

**L6** Do you feel close to any particular political party?

- Yes ..... ☐
- No ..... ☐ ➔ **GO TO L8**

**L7** Which party is that?

- NPP ..... ☐
- NDC ..... ☐
- CPP ..... ☐
- PNC ..... ☐
- Another party ..... ☐
- Did not answer ..... ☐

Write in:

**L8** Which political party has the most seats in parliament?  
*Do not read aloud.*

- NPP ..... ☐
- NDC ..... ☐
- CPP ..... ☐
- PNC ..... ☐
- Another party ..... ☐
- Don't know ..... ☐

Write in:

**L9** What is the name of your Member of Parliament?  
*Write name. Leave blank if respondent does not know.*



### SECTION L3: INFORMATION

**L10**

**Where do you get your news?**

*Read aloud and check all reported*

Radio ..... ☐

Newspaper ..... ☐

Internet..... ☐

Television..... ☐

Telephone..... ☐

Word of mouth ..... ☐

Another source ..... ☐

*Write in:*

**L11**

**How many times have you used the internet in the last 7 days?**

*times*

### SECTION L4: BELIEFS

**L12**

**How much control do you believe individuals have over whether they succeed or fail in life?**

*Read the first three answer choices aloud*

A large amount of control ..... ☐

Some control ..... ☐

Very little control ..... ☐

*Don't know* ..... ☐

**L13**

**Who should take more responsibility for the economic success of this village: the government, the villagers, both equally, or another group?**

*The government* ..... ☐

*Villagers* ..... ☐

*Both equally* ..... ☐

*Another group* ..... ☐

*Write in:*

*Don't know* ..... ☐

*Refused to answer* ..... ☐

**L14**

**How important is it to you to live in a country where you can openly criticize the government if you wish to do so.**

*Read aloud options*

Very important ..... ☐

Somewhat important..... ☐

Not too important ..... ☐

Not important at all ..... ☐

*Don't know* ..... ☐

*Refused to answer* ..... ☐

**L15** How important is it to you to live in a country where at least two political parties compete in fair elections that are held regularly?

*Read aloud options 1-4*

Very important ..... ☐

Somewhat important..... ☐

Not too important ..... ☐

Not important at all ..... ☐

*Don't know* ..... ☐

*Refused to answer*..... ☐

**L16** Apart from special occasions such as weddings and funerals, about how often do you typically attend religious services nowadays?

Every day ..... ☐

More than once a week ..... ☐

Once a week..... ☐

At least once a month ..... ☐

Only on special holy days ..... ☐

Less often ..... ☐

Never ..... ☐

## MODULE M: PREFERENCES

### SECTION M1: PRIORITIES

**M1** What do you think is the single most important problem facing this village?

*Do not read aloud*

*Education* ..... ☐

*Health* ..... ☐

*Roads* ..... ☐

*Electricity* ..... ☐

*Water* ..... ☐

*Sanitation*..... ☐

*Agricultural extension services* ..... ☐

*Access to loans* ..... ☐

*Projects assisting women* ..... ☐

*Another problem* ..... ☐

Write in:

Questions M2, M3 & M4 will each use the same list of services read in the same order. To decide the order in which to read the list, toss a coin. Which side landed up?

Head up ..... ☐

Tails up ..... ☐

If the coin landed heads up, read the list on the left below for each of questions M2, M3 & M4.

If the coin landed tails up, read the list on the right below for each of questions M2, M3 & M4.

HEADS
1. Education
2. Health
3. Roads
4. Electricity
5. Water
6. Sanitation
7. Agricultural extension services
8. Access to loans
9. Projects assisting women
10. Communication

TAILS
10. Communication
9. Projects assisting women
8. Access to loans
7. Agricultural extension services
6. Sanitation
5. Water
4. Electricity
3. Roads
2. Health
1. Education

In the next 3 questions we are going to ask you about the three most important services you think your village needs.

<b>M2</b>	<b>Which of the following is the most important service your village needs?</b> <i>Read services and write code</i>	<input type="checkbox"/>
<b>M3</b>	<b>Which is the second most important service your village needs?</b> <i>Read services and write code</i>	<input type="checkbox"/>
<b>M4</b>	<b>Which is the third most important service your village needs?</b> <i>Read services and write code</i>	<input type="checkbox"/>

## MODULE N: OTHER

### SECTION N1: MARKET KNOWLEDGE

**N1** Have you heard of Fair Trade certification for cocoa farmers?

Yes ..... ☐

No ..... ☐ ➡ **GO TO N3**

**N2** How do you think Fair Trade will affect the typical cocoa farmer?

Enter summary of response (e.g. good for farmer, not good for farmer)

N3

## Have you heard of any other types of certification for cocoa farmers?

Do not read aloud

Rainforest Alliance ..... ☐UTZ ..... ☐Organic ..... ☐Another type of certification ..... ☐

Write in:

Haven't heard / Don't know of any ..... ☐

Complete N4-N5 for each listed area or market, beginning with the region.

## N4 codes

1. Not well informed
2. Somewhat informed
3. Well informed

	N4	N5	
	How well informed do you feel about cocoa prices [OPTION]?  If N4="not well informed" (code 1), ➡ GO TO next row.	How many Ghana cedis was the typical price of one maxibag of cocoa from the last growing season [OPTION]?  Enter price in Ghana cedis on the left. If respondent does not know, check the box on the right.	
Read options for each of N4 & N5 before reading the next option.		Price	Don't know
... In your region?	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
... In Ghana?	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
... In Cote d'Ivoire?	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>
... On the international cocoa market?	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>

N6

## What are your two most important sources of information about the prices of cocoa in your region?

Do not read aloud

Radio ..... ☐Other farmers ..... ☐Chief farmer ..... ☐Farmers' organization ..... ☐Licensed Buying Company ..... ☐COCOBOD ..... ☐Agricultural extension officers ..... ☐Village chief or elders ..... ☐Local government ..... ☐Central government ..... ☐Newspaper ..... ☐Internet ..... ☐NGO/Development project ..... ☐Another source ..... ☐

Write in:

**N7** How many of your children, if any, have permanently left cocoa farming to seek other types of work outside the village?

children

**N8** Do any of your children plan to go into cocoa farming?

Yes ..... ☐

No ..... ☐

Don't know ..... ☐

Refused to answer ..... ☐

**N9** Would you recommend that your children go into cocoa farming?

Yes ..... ☐ ➡ **GO TO 01**

No ..... ☐

It is their decision ..... ☐

Don't know ..... ☐

Refused to answer ..... ☐

**N10** Why have you not recommended that your children go into cocoa farming?

Check all that apply

Low income ..... ☐

Low status ..... ☐

Work too hard ..... ☐

Better opportunities in other fields ..... ☐

Not enough land ..... ☐

Another reason ..... ☐

Write in:

## MODULE O: LITERACY TEST

**O1** How easy or difficult is it for you to read and write English?

Read options

Very easy ..... ☐

Somewhat easy ..... ☐

Somewhat difficult ..... ☐

Very difficult ..... ☐

You cannot read/write English ..... ☐

➡ **GO TO 03**

Refused to answer ..... ☐

02

**I am now going to show you a list of words. Can you read any of these words to me?**  
*Show words on next page. Check whether each word could be read by respondent.*

**O2 Reading Attempt Codes:**

1. *No attempt/said could not read*
2. *Attempted but incorrect*
3. *Correct*
9. *Refused to answer*

	Write code
Red	<input type="text"/>
Accra	<input type="text"/>
Obama	<input type="text"/>
Coconut	<input type="text"/>
Irrigation	<input type="text"/>

03

**We hope to return to talk to you again in a year or two. If you left this place, who would be most likely to know where you are?**

*Record name, relationship, location, and phone number (if available) for up to 2 contact persons who might help us locate the respondent in the future.*

	Contact Information	
	Contact Person #1	Contact Person #2
Common name	<input type="text"/>	<input type="text"/>
Relationship to respondent	<input type="text"/>	<input type="text"/>
Which village does this person live in?	<input type="text"/>	<input type="text"/>
Which region is this village in?	<input type="text"/>	<input type="text"/>
Phone number of this person (if available)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

# Thank the respondent!

Red

Accra

Obama

Coconut

Irrigation

## OBSERVATION SHEET

End Time:   :   Enter as HH:MM, for example 16:20  
                   H H        M M

Was the interview conducted in multiple sessions?


Yes ..... ☐ ➡ Please describe reasons for interruption:   
 No ..... ☐

Have you successfully completed all questions in the survey?

Yes ..... ☐  
 No ..... ☐ ➡ Please explain reasons for partial completion:

General Comments: Please note any unusual circumstance that may have occurred during the interview.

Was a Harvard Team Member present during the interview?

Yes ..... ☐ ➡ What is the name of the Harvard Team Member?   
 No ..... ☐

I hereby confirm that I have completed all questions in this questionnaire with great care according to the information given by the respondent and the instructions detailed in the questionnaire manual.

**Signature of interviewer:**

**Printed name of interviewer:**

Date:

/

/

D D
M M
Y Y Y Y



# Farm Spot Questionnaire

This farm spot survey should be conducted on the **largest cocoa field** that the farmer reports in the household survey and **that is reachable within up to one and a half hours (each way)**. The interviewer will visit only one farm plot.

## FARM SPOT INFORMATION SHEET

### INTERVIEWER

Name of Interviewer:  Date:     
 Interviewer Number:  D D M M Y Y Y Y

Name of Farmer that farms on this plot:

Household number of Farmer that farms on this plot:

Farm Number (write number from Section C3 of Farmer Questionnaire):

Farm Found:

Yes ..... ☐

No ..... ☐ ➡ Contact Farmer to find out where the farm can be found.

Please describe the location of the farm in the space below. Use as much detail as is necessary to relocate the farm:

Farmer present at time of GPS measurement  
(Spot Questionnaire Section P1)?

Yes..... ☐

No ..... ☐

Farmer present at time of observational farm  
survey (Spot Questionnaire Section P2)?

Yes..... ☐

No..... ☐

Start Time:  :  (for example 14:16)  
                   H H        M M

GPS Coordinates of Farm (take measurement at arrival at farm):

N:     
       D D° M M. S S S'  
     
 W or E: D D D° M M. S S S'

## MODULE P: FARM SPOT SURVEY

### SECTION P1: MEASUREMENT OF FARM SIZE



*The cursor can be toggled up, down, left, right or pressed in. Toggling the cursor allows you to move among the different options in a screen, while pressing the cursor in selects the option that is highlighted (Enter).*

*The Menu button will allow you to access the main menu, while the Quit button will allow you to close/change the screen you are currently on.*

- a. Make sure the satellites are switched on*
- b. Start at the corner of the plot whose area you want to record*

- c. Press the Menu button until you get to the Main Menu
- d. Toggle the cursor to "Tracks" and press Enter
  - i. Toggle the cursor to "Setup" and press enter
  - ii. Make sure that the "Record Method" is distance
  - iii. Make sure that the "Interval" is very small (e.g. 0.01 mi.) so that even a small plot can be measured
  - iv. Press "Ok" and then the Quit button to go back to Track Menu
- e. To begin area calculations, press the Menu button, and press "Area Calculation"
- f. Press "Start"
- g. Walk the distance of the perimeter of the field
- h. When you are done recording, press "Stop" and record the area in Acres
- i. The Garmin will only record 20 track logs, so it is important that you **WRITE DOWN** the area on the survey

**P1** Was the farm plot successfully measured?

Yes ..... ☐ ➡ **GO TO P3**

No ..... ☐

**P2** Why was the farm plot not successfully measured?

Write description

**P3** How many acres is the measured size of the farm plot?

Acres



Please fill in farm size card

## SECTION P2: OBSERVATIONS

**P4** *Is the farm plot exclusively planted with cocoa?*

Yes ..... ☐    ➡    **GO TO P9**  
 No ..... ☐

**P5** *Is there a specific part of the farm plot exclusively planted with cocoa (with other crops clearly apart)?*

Yes ..... ☐  
 No ..... ☐

**P6** *Is there an area of the farm plot in which cocoa is planted together with at least one other crop?*

Yes ..... ☐  
 No ..... ☐

**P7** *What crops, other than cocoa, are planted on this farm?*

*Please write up to three codes, in order of the area that is planted with these crops (largest to smallest)*

P7 Crop Codes		
01. Avocado Pear	12. Garden egg /Eggplant	22. Plantain
02. Bananas	13. Leafy vegetables	23. Pepper
03. Beans/Peas	14. Kenaf	24. Pawpaw
04. Cassava	15. Mango	25. Potatoes/Sweet potato
05. Cocoyam	16. Maize	26. Rice
06. Colanut	17. Oil palm	27. Sugar cane
07. Coffee	18. Okro	28. Tobacco
08. Colocasia	19. Onion	29. Tomatoes
09. Cotton	20. Oranges	30. Yam
10. Groundnut/Peanut	21. Pineapple	31. Another crop (write in):
11. Guinea Corn/Sorghum Millet		<div style="border: 1px solid black; height: 20px; width: 100%;"></div>

(code for crop in which **largest** area is planted)

(code for crop in which **second largest** area is planted)

(code for crop in which **third largest** area is planted)

**P8****What percentage of the farm plot is planted to cocoa?***Make estimate based on observation. Check one box only.*

- All ..... ☐
- 90%..... ☐
- 80%..... ☐
- 70%..... ☐
- 60%..... ☐
- 50%..... ☐
- 40%..... ☐
- 30%..... ☐
- 20%..... ☐
- 10%..... ☐
- None ..... ☐

**P9**

**Is the farm plot clearly demarcated? That is, is there a fence or another type of marker that clearly separates the farm from other land (e.g. hedge, fence, trees, plants such as ntome, corner stones) such that is recognizable to people who are not familiar with the area?**

- Yes..... ☐
- No ..... ☐

**P10****What is the source of water (other than rain water) on the farm?***Check all that apply*

- River/stream..... ☐
- Handdug well ..... ☐
- Open well..... ☐
- Dug out/pond ..... ☐
- Another source ..... ☐
- Rain water only / no other water source .. ☐

Write in

**P11****Are there drainage channels?**

- Yes..... ☐
- No ..... ☐

**P12**

**What kind of irrigation, if any, is used on this farm?**

*Check all that apply*

No irrigation on this farm ..... ☐

Drip/trickle irrigation ..... ☐

Check dams ..... ☐

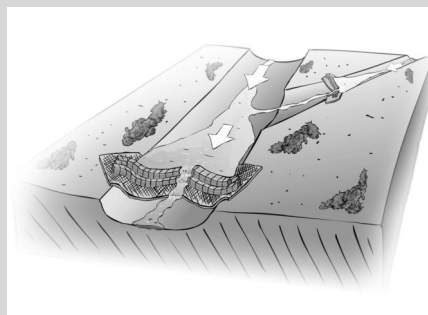
*(See drawing to the upper right)*

Rainwater harvesting pits ..... ☐

*(See picture to the lower right)*

Another form of irrigation ..... ☐

*Write in:*



*Check dam*



*Rainwater harvesting pit*

**P13**

**Are the cocoa trees on this farm planted in rows?**

Yes ..... ☐

No ..... ☐

**P14**

**Approximately, how far apart are the cocoa trees on this farm?**

Less than 3 meters (10 feet) ..... ☐

About 3 meters (10 feet) ..... ☐

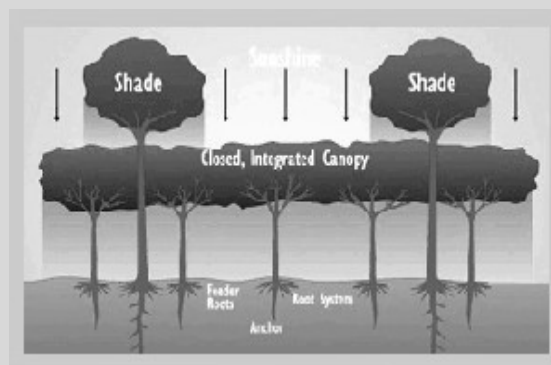
More than 3 meters (10 feet) ..... ☐

**P15**

**Are there any shade trees on this farm?**

Yes ..... ☐

No ..... ☐ ➔ **GO TO P18**



**P16**

**Are the shade trees on this farm planted in rows?**

Yes ..... ☐

No ..... ☐

**P17**

**Approximately, how far apart are the shade trees on this farm?**

Less than 6 meters (20 feet) ..... ☐

About 6 meters (20 feet) ..... ☐

Between 6 meters (20 feet) and 10 meters (32 feet) ..... ☐

About 10 meters (32 feet) ..... ☐

More than 10 meters (32 feet)..... ☐

**P18**

**In general on this farm, what statement about the canopy of the cocoa trees is most accurate?**

The canopy of the cocoa trees is closed  
(Interlocking branches; sunlight cannot reach the ground) ..... ☐

There are breaks in the canopy of the cocoa trees  
(Not all branches are interlocking or gaps exist in an otherwise closed canopy; sunlight can reach the ground in some places) ..... ☐

The canopy of the cocoa trees is not closed at all  
(No interlocking branches; sunlight can reach the ground) ..... ☐



P19

**Are the cocoa trees pruned?**

Yes

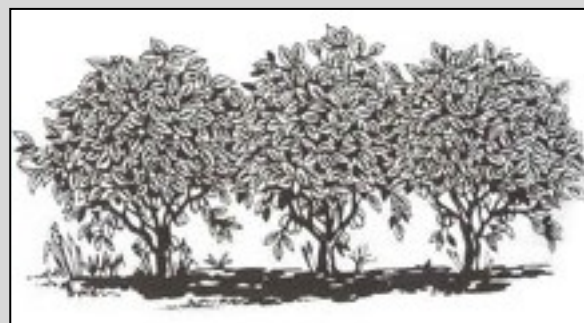
(young, soft vertical branches are removed;  
no sideways branches that come down to the  
ground; passage underneath trees is easy;  
kneeling down you can see all tree stems  
as far as the territory allows) ..... ☐



After pruning

No

(young, soft vertical branches remain;  
sideways branches come down to the ground;  
passage underneath trees possibly obstructed  
kneeling down the sight of tree stems  
is obstructed by branches) ..... ☐



Before pruning

P20

**In general on this farm, what statement about weeds is most accurate?**

It is cleanly weeded/weeds are cut short (less than 15 cm / 0.5 foot) ..... ☐

There are weeds less than 30 centimeters (1 foot) high between cocoa trees ..... ☐

There are weeds higher than 30 centimeters (1 foot) high between cocoa trees ..... ☐

**Thank the respondent  
for allowing you to visit their farm!**