Contents

Abbreviations

DK	Respondent does not know/ Can't tell/ Can't remember
HH	Household
HHH	Household Head
HIES	2014 Liberia Household Income and Expenditure Survey
LISGIS	Liberia Institute of Statistics and Geo-Information Services
NR	Respondent refuses to answer; non-response
TBD	To be decided

Section 0: Presettings

This section will be filled in automatically, before the enumerators begin to ask questions.

DIME Liberia SAPEC Impact Evaluation Draft Questionnaire

Number	Question	Code
start time	start time and date	
end time	end time and date	
Device id	id of device	
subscriberid	id of subscriber	
simid	sim id	
text_audit	text audit file location	
devicephonenum	device's phone number	

In addition, each module should have a start time calculated at the beginning of the module, so that the amount of time taken within each module can be calculated.

Section A-1: Household Identification

Questions a1_1 to a1_12 to be filled in before the enumerator starts the interview.
Researcher will input HH Treatment Status and Enumeration Area Treatment Status during coding, to avoid additional calculations within the survey.

Number	Question	Code
	enumerator	TBD
	supervisor	TBD
	Household ID [will generate county, district, enumeration area, and community, and farmer's name in subsequent questions]	From list of households to be surveyed
	The household to be surveyed is [FARMER NAME]'s household. Is this correct? [calculated from household ID]	0=No 1=Yes
0_note	Please swipe back to 0 and correct the Household ID. [Relevant when 0 = no]	
	Household List Status [calculated from household ID]	1 = Primary 0 = Replacement
	Is this household still located in [COMMUNITY], in [COUNTY]?	0=No 1=Yes
	County (coding calculated automatically) [Question relevant when: 0 = yes]	Use HIES (LISGIS) coding
0b	County (user selects from list) [Question relevant when: 0 = no]	Use HIES (LISGIS) coding
	District (coding calculated automatically) [Question relevant when: 0 = yes]	Use HIES (LISGIS) coding
0b	District (user selects from list) [Question relevant when: 0 = no]	Use HIES (LISGIS) coding, 9999 = don't know
	Enumeration Area (coding calculated automatically) [Question relevant when: 0 = yes]	Use LISGIS coding
	Enumeration Area (user selects from list) [Question relevant when: 0 = no]	Use LISGIS coding, 9999 = don't know
	Community (coding calculated automatically) [Question relevant when: 0 = yes]	Use LISGIS coding
	Community – please ask the town chief for the official spelling! [Question relevant when: 0 = no]	text
	Clan – ask town chief	Use HIES coding
	Are GPS coordinates for the household available in the listing?	0 = No 1 = Yes
	Are the GPS coordinates for [FARMER's] house correct? [Question relevant when 0 = yes]	0=No 1=Yes
	When did [FARMER] move away from this village? [Question relevant when: 0=No] [*survey ends and instructs enumerator to receive a different farmer from the supervisor's list*]	[date, month/year]

DIME Liberia SAPEC Impact Evaluation Draft Questionnaire

Number	Question	Code
a1_11note	Stop the survey. Talk to the chief and see if you can find the farmer's house. Go back one question when you have found the house. [Question relevant when: 0=No but **Error! Reference source not found.**=yes]	
	GPS Coordinates of HH [only relevant when 0 or 0 = no]	Coordinates

a1_11note

Stop the survey. Talk to the chief and see if you can find the farmer's house. Go back one question when you have found the house.

SECTION A: INTRODUCTION AND CONSENT

Consent Statement:

Hello! My name is _____ You were selected at random from several thousand farming households in Liberia to participate in a survey that will help the government of Liberia to find out how well one of its agricultural programs is working. You were not selected for any specific reason. Simply your name was on a list of all of the households with farmers in this area, and your name was chosen randomly. The survey is being run by Development Impact Evaluation (DIME) and I am an enumerator for [Practical Sampling International], which was contracted by DIME to carry out the survey.

The responses which are given by households to the questions in this survey will help the government of Liberia do a better job in meeting the needs of farmers. Your household was selected as one of those to which these questions will be asked this time. You can choose not to take part if you don't want to.

I would like to ask the questions in this form to you as head of household or spouse of the head. I will also need to ask questions to other members of your household. These questions will take about 3 to 4 hours to complete. All of your answers will be held in confidence. Only DIME and its authorized representatives will know which answers you and the members of your household have given me.

Before I start, do you have any questions or is there anything which I have said on which you would like any further clarification? May I proceed with interviewing you and members of your household?

Do you wish to participate in this survey? May we start now?	A1a. Response to 1 YES 0 NO |__| PROG: IF NO, SKIP TO END

Enumerator: Please stop the survey and report to your supervisor that the respondent does not want to be interviewed. After supervisor comes, if respondent consents, swipe back and change your response. If respondent still does not consent, swipe forward and ask respondent one more question. [Question relevant when: consent = No]

Would you be willing to tell me why you do not want to do the survey, please?	A1a. Response to 1 YES 0 NO |__| *If consent = no, the survey ends. If consent = yes, the survey continues.*

During the survey, we would like to record a small section that will only be used to ensure that the survey is being carried out properly.	A1a. Response to 1 YES 0 NO |__| .

This recording will not be used or heard by anyone outside of the survey team and researchers. Is it ok if we do this?

Section A-2: Contact Information

Number	Question	Code	
	May I see an official document with your name on it, please? [Indicate type of official document used.]	1 = Electoral ID (Voter Card) 2 = Birth Certificate 3 = Passport 4 = Susu Card 5 = Hospital Card 6 = Work ID	7 = School ID 8 = Organization Membership Card 9 = None Available -66 = NR other = Other, specify
	First Name of Respondent (from ID):	[text]	
	Last Name of Respondent (from ID):	[text]	
	The household head is someone who makes the financial decisions in the household. Are you the household head?	0 = No 1 = Yes	
	May I see an official document with the Household Head's name on it? [Indicate the type of official document used.] [Question relevant when: 0= No]	1 = Electoral ID (Voter Card) 2 = Birth Certificate 3 = Passport 4 = Susu Card 5 = Hospital Card 6 = Work ID	7 = School ID 8 = Organization Membership Card 9 = None Available -66 = NR other = Other, specify
	First Name of Household Head: [Question relevant when: 0= No]	[text]	
	Last Name of Household Head: [Question relevant when: 0= No]	[text]	
	Is there any phone number (yours or someone's number) we could reach you?	0=no 1=yes	
0a-f	Names of Mobile Contacts and Mobile Numbers [Question relevant when: 0= yes; only first contact name and mobile number mandatory]	[text]/[numeric]	

Section B-1: Household Member Roster

We will now work to make a complete list of everyone who normally lives and eats their meals together in this household. We will start with the head of household and the immediate family members who normally live and eat their meals together here. I will first ask you questions about the head of household, his or her spouse (wife/husband), sons, daughters, step sons, and step daughters.

Number	Question	Code
	You are the person who makes the financial decisions in the household, right? *if "no", enumerator will return to 0 and change it to "no".* *if "yes", roster will continue.* [Question relevant if 0=yes]. Please go back and change 0 to "no" and go forward through the rest of the questions from that point.	0 = no 1 = yes
	[HHH's NAME from 0 and 0] is the person who makes the financial decisions in the household, right? *if "no", enumerator will change 0 and 0.* *if "yes", roster will continue.* [Question relevant if 0=no]	0=No 1=Yes

A note on the Household Roster

Answers for the household head for **Error! Reference source not found.**hh *to* **Error! Reference source not found.** *will be completed first. After the household head's answers,* a version of e1_1 will be asked, and then **Error! Reference source not found.** *to* **Error! Reference source not found.** *will be repeated as the regular household roster. The repeats will be structured to allow for a household roster with the head of household (HHH) first, the HHH's immediate family second, other relatives third, persons not related to the head of household or other household members but who normally live and eat their meals at the household, such as live-in servants next, and lastly, household members traveling or studying away from home.*

	First name of the household head: *if 0=yes, $0 and $0; if a2_4=no, $0 and $0.* [Question only relevant for household head]	[Calculated]
Error! Reference source not found.hh		
Error! Reference source not found.hh	Surname of the household head: *if 0=yes, $0 and $0; if a2_4=no, $0 and $0.* [Question only relevant for household head]	[Calculated]
e1_1 A-D	How many persons who normally live and eat their meals together here are [immediate family members / other relatives / non-relatives / temporarily away]?	number

Fill Table Below For:

1) All immediate family members (spouses [in order of marriage], sons, daughters, stepson, stepdaughters)

2) All other relatives (sisters, brothers, nieces, nephews, grandchildren, father, mother, father-in-law, mother-in-law, brother-in-law, sister-in-law, son-in-law, daughter-in-law, other relatives)

3) Any other persons not related to the head of the household or other household members, but who normally live and eat their meals together here such as live-in servants

4) Persons not here who normally live and eat their meals here. For example, household members studying elsewhere, doing seasonal work somewhere else, in prison, in hospital, or traveling.

Member ID	b1_5	b1_6	b1_7	b1_8	b1_9	B1_10 B1_11		b1_11a	B1_12
	First name	Surname	Sex 0 = M 1 = F	Does [NAME] possess a birth certificate or proof of registration of birth from a civil authority? 0=No 1=Yes -66=NR -99= DK >> go to b1_10	What is the proof of birth registration? 1 = Certificate from Ministry of Health 2 = Registered at Clinic / Hospital other = other, specify	In what month and year was [NAME] born? IF [NAME] POSSESSES A BIRTH REGISTRATION PROOF USE THAT TO DETERMINE AGE. IF NOT, USE LIST OF KEY DATES TO ASSIST IN DETERMINATION. If **don't know > b1_11a**		Could you tell the season [NAME] was born? 1 rainy season 2 dry season -99 don't know	What is [NAME]'s relationship to the head of household? See code below -88 other specify
						Year	Month		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

Code:
1 = January
2 = February
3 = March
4 = April
5 = May
6 = June
7 = July
8 = August
9 = September
10 = October
11 = November
12 = December
-66 = NR
-99 = DK

Code:
1 = head
2 = spouse
3 = son/daughter
4 = stepson/ stepdaughter
5 = sister/brother
6 = niece / nephew
7 = grandchild
8 = father/mother
9 = son/daughter in law
10 = brother/sister in law
11 = father/mother in law
12 = other relative
13 = live-in maid / domestic help
14 = live-in maid's / domestic help's relatives
15 = other non-relatives
-66 = NR

ENUMERATOR CHECK FOR HOUSEHOLD ROSTER		
Number	**Question**	**Code**
B1_14	check: Read out list of household members to the respondent. Are all the persons who normally live and eat their meals at the house on the list? [full hh roster]	0 = NO 1=YES

e1_2   Enumerator, please find out who is missing, go back to question b1_4 for the relevant sections, change the number of persons for that category and then add in all missing persons' details. [Question relevant when b1_14 = no]   [Note]

e1_3   Check: which person on the household roster is [FARMER]? IF FARMER IS NOT ON THE HOUSEHOLD ROSTER, ASK ABOUT FARMER'S RELATIONSHIP TO THE HOUSEHOLD HEAD AND GO BACK TO QUESTION b1_4 FOR THE RELEVANT SECTION, CHANGE THE NUMBER AND ADD IN FARMER'S DETAILS. [full hh roster], select farmer

Start repeat, for each person on hh roster

HOUSEHOLD MEMBERS

Member ID	b1_15	b1_17	b1_18	b1_19	b1_22	b1_23	b1_24
	Did [NAME] eat meals in this household in the last 7 days? 0 = No 1= Yes -66 = NR -99 = DK	For how many months in total during the last 12 months has [NAME] been present in this household?	Is [NAME] aged 12 years or above? 0 = No 1 = Yes -66 = NR -99 = DK	Is [NAME] aged 5 years or above? 0 = No 1 = Yes -66 = NR -99 = DK	Did [NAME] ever go to any kind of primary school, secondary school, university, polytechnic, vocational or adult educational classes?	Is [NAME] currently in school this year (2016-2017) even if school is not in session? [relevant when b1_22 = 1] 0 = no 1 = yes -66 = NR -99 = DK	What is the highest level of education achieved by [NAME]? [relevant when b1_22 = 1]
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

Code:		Code:			Code:
1= too young to attend school	7 = parents did not let me	1 = poor health or disability	6 = marriage	12 = poor quality of schools	1 = some primary
2 = still in pre-school	8= had to work or help at home	2 = hunger	7 = moved	13 = school conflict with beliefs	2=completed primary
3 = no money	9 = school too far from home	3 = financial reasons	8 = lack of interest	14 = finished degree or class	3=some secondary
4 = poor quality of schools	10= school conflict with beliefs	4 = hh or farm work	9 = parents did not allow it	-66 = NR	4=completed secondary
5 = illness or disability	11 = civil unrest in country	5=family (non-farm) business	10 = too far away	-99 = DK	5=vocational training (including polytechnic or adult education classes)
6 = not interested	other = other, specify		11 = lack of ability		6 = some university
	-66 = NR -99= DK				7 = completed university

Member ID	b1_25	b1_26	b1_27	b1_28	b1_29	b1_30_
	Has [NAME] suffered from any health problem in the last 12 months? **Only for those older than 14.**	What problem(s) did [NAME] suffer from? [Question relevant when b1_25 = 1]	How many WEEKS during the past year was [NAME] unable to perform normal activities due to illness? [Write 66 for NR, 88 for DK] [Question relevant when b1_25 = 1]	Does this HH member have a physical condition that affects his/her ability to move his/her arms, legs or torso fully, or affects his/her ability to walk, bend over, bend down, hold objects, or lift them? 0 = no 1 = yes -66 = NR -99 = DK	Is this HH member BLIND, DEAF, MUTE, amputed? Only if b1_28==1 1 blind 2 deaf 3 mute 4 amputee (missing a body part) -99=DK -66= NR -88= other, specify	Has [NAME] been the victim of any crimes in the last 12 months?
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Code:
1 = fever, malaria
2 = diarrhea
3 = typhoid
4 = stomach ache
5 = vomiting
6 = sore throat
7 = upper respiratory (sinuses)
8 = lower respiratory (chest, lungs)
9 = flu
10 = cough/ breathing difficulties
11 = headache
12 = fainting
13 = skin problem
14 = dental problem
15 = eye problem
16 = ear/nose/throat
limbs / joints
18 = heart problem
19 = blood pressure
20 = urinary tract infection
21 = diabetes
22 = mental disorder
23 = TB
24 = sexually transmitted Disease
25 = burn
26 = fracture
27 = wound
28 = poisoning
29 = pregnancy / childbirth complications
30 = cancer
31 = piles
32 = unspecified long-term illness
66 = NR
-99 = DK
other=other (specify)

Member ID	b1_31	b1_32	b1_33	B1_34
	In the last full month, did this HH Member work in agriculture or land husbandry (farming, raising livestock, whether for sale or for household food), even if just for one hour? (Either on the HH farm or on someone else's farm.) 0 = no 1 = yes -66 = NR -99 = DK	During the last completed month, did this HH Member work for a wage, salary, commission or any payment in kind; including doing paid apprenticeship or domestic work even if for one hour? 0 = no 1 = yes -66 = NR -99 = DK	Has this HH member work or help even for an hour in any type of business without receiving a salary? 0 = no 1 = yes -66 = NR -99 = DK	In the last 12 months, did [NAME] conduct any business besides farming for yourself or your household? 0 = no 1 = yes -66 = NR -99 = DK
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Code: 1=Robbery 2=Kidnapping	3=Property Destruction 4=Assault 5=Domestic Violence	6=Sexual Violence 7=Murder 8=None [select only this]	-66= NR -99=DK	*Calculate: Was the answer to any of the last five questions 'yes'?*	*Calculate: Were all five answers 'don't know' or 'refuse to answer'?*

Fill b1_35 if 14 or older and worked in last 1 mo. The b1_36 to b1_42 do not need to be filled if the person is unemployed, assists in the hh or does only on farm work.
If b1_32=yes OR b1_34=yes > ask b1_35, if b1_32=no and b1_34=no, > ask b1_43
If b1_32=yes OR b1_34=yes AND (b1_35=3 or b1_35=4 or b1_35=5 or b1_35=6 or b1_35=7 or b1_35=8 or b1_35=9)> ask b1_35 to b1_43

Member ID	b1_35	b1_36	b1_37_	b1_38_	b1_39_	b1_40_	b1_41_		B1_42	
	What was this HH member's main occupation in the last completed month?	During the last completed week, how many hours did this HH member work in this occupation? (round up to nearest hour)	During the last completed week, how many days did this HH member work in this occupation?	During the last 12 months, how many months did this HH member work in this occupation?	During these months, on average, how many weeks did this HH member work in this occupation?	Has this HH member received (or expect to receive) wages, salary or other payments either in cash or in other forms from this occupation? 0 = no 1 = yes	How much was this HH member's last payment? (IF HH MEMBER HAS NOT YET BEEN PAID, ASK: What payment does this HH Member expect?) [If in-kind payment, ask respondent to estimate value.]		What period of time did this payment cover?	
							number	1=LD 2=USD	number	Unit 1 = days 2= weeks 3= months
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Code:
1=Own Farm
2=Land Husbandry
3 = Work for SAPEC Project
4=Other Farm Work (non-HH)
5=Domestic Work (non-HH)
6=Petty/Retail Trade
7=Construction
8=Transportation
9=Carpentry
10= unemployed/idle
11=assists in household work
-66=- (refuse to answer)
-88= other = Other, specify
-99=(don't know)

Member ID	b1_43	b1_44	b1_45	b1_46	b1_47		B1_48 b1_48u	
	What is this HH Member's main occupation during the last 12 months? If b1_43=b_35>b1_49	During the last 12 months, how many months did this HH member work in this occupation? [Question relevant when b1_43= 1 to 9]	In the last 12 months, how many weeks per month did this HH member work in this occupation? [Question relevant when b1_43= 1 to 9]	Has this HH member received wages, salary or other payments either in cash or in other forms from this occupation? [Question relevant when b1_43= 1 to 9]	How much was this HH member's last payment? [If in-kind payment, ask respondent to estimate value.] [Question relevant when b1_46= 1]		What period of time did this payment cover? [Question relevant when b1_70= 1]	
					Number	1=LD 2=USD	number	Unit 1 = days 2= weeks 3= months
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

Code:
1=Own Farm
2=Land Husbandry

3 = Work for SAPEC Project
4=Other Farm Work (non-HH)

5=Domestic Work (non-HH)
6=Petty/Retail Trade

7=Construction
8=Transportation
9=Carpentry

other = Other, specify
-66=-66 (refuse to answer)
-99=-99 (don't know)

Number	Question	Code
B1_49	Ask household head or primary respondent: Who is primarily responsible for making decisions about the household farms?	HH member list
B1_50	Which person on the household roster is [the FARMER ON THE LIST]?	HH member list

Section C-1: Personality Traits

Number	Question	Code
c1	Is [NAME OF FARMER ON SURVEY LIST] here?	0 = No 1 = Yes
c1b	When will [NAME OF FARMER ON SURVEY LIST] be back? [After answering, skip to section H. Come back when farmer is here.]	text

Farmer

selected from database should take this test.

There are no right or wrong answer! For the following questions, you should ask the respondent to tell you whether he or she agrees or disagrees and code using the following scale:

1	Strongly disagree
2	Somewhat disagree
3	Neither agree nor disagree
4	Somewhat agree
5	Strongly agree

Number	Question	Code
c1_i1r	I plan tasks carefully.	1-5
c1_i2	I make up my mind quickly.	1-5
c1_i3r	I save regularly.	1-5
c1_t1	I can think of many times when I persisted with work when others quit.	1-5
c1_t2	I continue to work on hard projects even when others oppose me.	1-5
c1_poly1	I like to juggle several activities at the same time.	1-5
c1_poly2r	I would rather complete an entire project every day than complete parts of several projects.	1-5
c1_poly3r	I believe it is best to complete one task before beginning another.	1-5

Number	Question	Code
c1_locus1r	It is difficult to know who my real friends are.	1-5
c1_locus2r	I never try anything that I am not sure of.	1-5
c1_locus3	A person can get rich by taking risks.	1-5
c1_a1	It is important for me to do whatever I'm doing as well as I can even if it isn't popular with people around me.	1-5
c1_a2	*I enjoy thinking hard about how to do things better than I do now*	1-5
c1_a3	When a group I belong to plans an activity, I would rather direct it myself than just help out and have someone else organize it.	1-5
c1_a4	I try harder when I'm in competition with other people.	1-5
c1_a5	It is important to me to perform better than others, and I am not happy when others perform better than me.	1-5
c1_power1	If I am part of a group I want to be the person who has to plan things and decide what everyone should do..	1-5
c1_power2	Being responsible for others and what they do makes me happy	1-5
c1_power3	I like to have a lot of control over the events around me.	1-5
c1_passion1	I look forward to returning to my work when I am away from work.	1-5
c1_passion2	The most important thing that happens in life involves work.	1-5
c1_passion3	It is important for me to do whatever I'm doing as well as I can even if it isn't popular with people around me.	1-5
c1_org1	My friends and family would say that I am more organized than other people they know.	1-5
c1_opt1	In uncertain times I usually expect the best.	1-5
c1_opt2r	If something can go wrong for me, it will.	1-5
c1_opt3	I am always optimistic about my future and I never worry about bad things might happen	1-5
c1_opt4r	I hardly ever expect things to go my way	1-5
c1_opt5r	I do not usually count on good things happening to me.	1-5

Section D-1: Access to Extension and Other Trainings

d1_note1 [NAME OF FARMER ON SURVEY LIST] should answer this section. The questions are specifically about the farm or farms that [FARMER NAME] uses. If FARMER NAME is not yet available, skip to section H.

Number	Question	Code	
d1_1	Has anyone from SAPEC visited your farm in the past 18 months to provide advice about farming?	0 = No 1 = Yes	-66 = NR -99 = DK
d1_2	How many times did someone from SAPEC visit your farm in the past 18 months to provide advice about farming? [question relevant when **Error! Reference source not found.**=yes]	[number]	
d1_3	Who met with the visitor from SAPEC? (if "other", write relationship to HH -- paid labourer, etc.) [question relevant when **Error! Reference source not found.**=yes]	[hh roster, other]	
d1_4	Has any extension worker from the MOA or an agricultural project or any sector agronomist visited your farm in the past 18 months to provide advice about farming?	0 = No 1 = Yes	-66 = NR -99 = DK

Number	Question	Code	
d1_5	How many times did an extension worker from MOA or an agricultural project visit your farm in the past 18 months? [question relevant when 0=yes]	[number]	
d1_6	Who met with this extension worker? (if "other", write relationship to HH -- paid labourer, etc.) [question relevant when 0=yes]	[hh roster, other]	
d1_7	Has anyone from any NGO or private company visited your farm in the past 18 months to provide advice about farming?	0 = No 1 = Yes	-66 = NR -99 = DK
d1_8	How many times did someone from any NGO or private company visit your farm in the past 18 months to provide advice about farming? [question relevant when 0=yes]	number	
d1_9	Who met with this person? (if "other", write relationship to HH -- paid labourer, etc.) [question relevant when 07=yes]	[hh roster, other]	
d1_10	Have you or your household ever received or purchased any faming inputs from the SAPEC project?	0 = No 1 = Yes	-66=NR -99=DK
d1_11	What did you receive? Relevant if d1_10=yes	1= rice seed 2= cassava cuttings	3= vegetable seeds 4= farm tools
d1_11a	If you received farm tools, what tools did you receive? Indicate number received. [question relevant if If d1_11 was 4=farm tools]	1 = cutlasses [ ] 2 = files [ ] 3 = hoe [ ] 5 = axe [ ]	6 = Trap wire [ ] 7 = Flash Tape [ ] 8 = Other (specify _____) [ ]
d1_12	How much did you pay for these items? Relevant if d1_10=yes	Amount;	1= LD 2=USD
d1_13	Have you ever purchased seeds or fertilizer from a private shop at a subsidized price? By subsidized price, we mean any price below the market rate you would normally pay at a typical shop	0 = No 1 = Yes	-66=NR -99=DK
d1_14	If you have purchased seeds or fertilizers at a subsized price, what did you buy? [question relevant when d1_13 is 'yes']	1= rice seed 2= cassava cuttings	3= vegetable seeds 4 = fertilizer 5 = other (specify_____)
d1_15	If you have purchased seeds or fertilizers at a subsized price, what was the price you paid for the item you purchased? [question relevant when d1_13 is 'yes']		1 = LD 2 = USD
d1_16	If you have purchased seeds or fertilizers at a subsized price, what was the price you would paid for the item you purchased if you purchased it at the market? [question relevant when d1_13 is 'yes']		1 = LD 2 = USD

Number	Question	Code	
d1_17	If you have purchased seeds or fertilizers at a subsized price, what was the name of the program that gives the subsidy? [question relevant when d1_13 is 'yes']	1 = SAPEC 2 = LATA	-66=NR -99=DK
d1_18	Have you ever received an SMS or text message on your phone telling you when or where you could purchase subsidized seeds or fertilizers?	0 = No 1 = Yes	-66=NR -99=DK
d1_19	Do you personally know anyone in your community who has received an SMS or text message on their phone telling the when or where they could purchase subsidized seeds or fertilizer?	0 = No 1 = Yes	-66=NR -99=DK
d1_20	Have you ever heard a radio message telling you when or where you could purchase seeds or fertilizers?	0 = No 1 = Yes	-66=NR -99=DK
d1_21	Do you personally know anyone in your community who has heard a radio message telling them when or where they could purchase seeds or fertilizer?	0 = No 1 = Yes	-66=NR -99=DK
d1_22	If you have had a visit from SAPEC to give farming advice OR have received or purchased inputs from SAPEC, how satisfied are you with SAPEC?	1 = Not satisfied at all 2 = Not very satisfied 3 = Neutral 4 = Somewhat atisfied 5 = Very satisfied	

Section D-2: KEY AGRICULTURE QUESTIONS

Number	Question	Code
Key_ur	Did your HH grow Upland RICE (dryland rice) on your farmland during the last farming season?	0 = No 1 = Yes
Key_lr	Did your HH grow Lowland RICE ((swamp rice) on your farmland during the last farming season?	0 = No 1 = Yes
Key_ca	Did your HH grow Cassava on your farmland during the last farming season?	0 = No 1 = Yes
Key_ot	Did your HH grow any other crop on your farmland during the last farming season?	0 = No 1 = Yes

KEY_ot2	What OTHER CROPS (except rice and cassava) did you grow on your farmland during the last farming season?	Crops list	
KEY_ot2_specify	If other selected: specify the crop (ONE CROP only):		
Key_ma	EXCEPT FOR RICE AND CASSAVA, which crop that you cultivated in the last 12 months was cultivated on the biggest area?	Select one crop from answer of key_ot2	

Number	Question	Amount	Code for unit
E1_13	On what total farm area did this household cultivate UPLAND RICE crops during 2016?		1 =hectares 3= square meters 2= acres 4= square feet 5= ropes
E1_14	On what total farm area did this household cultivate LOWLAND RICE crops during 2016?		1 =hectares 3= square meters 2= acres 4= square feet 5= ropes
E1_16	On what total farm area did this household cultivate CASSAVA crops during 2016?		1 =hectares 3= square meters 2= acres 4= square feet 5= ropes
E1_17	On what total farm area did this household cultivate your MAIN OTHER CROP during 2016?		1 =hectares 3= square meters 2= acres 4= square feet 5= ropes

Section E-1: Farm Roster & Details

e1_note: A farm is a continuous piece of land on which a unique crop or a mixture of crops is grown. Farm boundaries should be defined according to the farmer and the main crop grown.

Number	Question	Code
	How many farms does this household use on which it cultivated crops during the last completed farming season? *PLEASE LIST ALL FARMLAND CULTIVATED BY ANYONE IN YOUR HOUSEHOLD DURING THE LAST COMPLETED FARMING SEASON (last year's farms).* *(OWNERSHIP/MANAGEMENT STATUS DOES NOT MATTER)*	[number]

Ae1_note: Please write a name and a description of each farm, IN ORDER OF SIZE, starting with the largest.

The name should be one that all household members can understand to identify the particular farm.

For the description, do not use the size, and do not use crops. Include county and community names. It must be descriptions that can help anyone identify this plot in the future. Be sure each description is different!

	e1_2	e1_3	e1_4 & e1_4u		e1_5 & e1_5u	
Plot	Name of Farm	Description/ Location of Farm	Total farm area (farmer's estimate) 1=acre 4= square feet 2=hectare 5= ropes 3= square meters		Area cleared and planted in last 12 months, farmer's estimate 1=acre 4= square feet 2=hectare 5= ropes 3= square meters	
			Number	Unit	Number	Unit
1						
2						
3						
4						
5						

	E1_6	E1_7	E1_8	E1_9	E1_10	*E1_11*	E1_12	e1_13a	e1_14a
	Did your HH grow RICE or CASSAVA on this farm during the last farming season? 0 = no 1 = RICE 2 = CASSAVA 3 = BOTH	How many times did you plant RICE crops on this farm between January and December 2016? [Question relevant when **Error! Reference source not**	Did you grow crops other than RICE/ CASSAVA on this same farm during the last farming season? [Question relevant when **Error! Reference source not found.** = 1, 2, or 3] 0 = no 1 = yes	Was the cultivation on this farm intercropped or mixed cropped (were other crops grown among the cassava or rice)? [Question relevant when **Error! Reference source not found.**= 1] 0 = grown in separate areas	What crops did you grow on this farm during the last farming season? [Question relevant when **Error! Reference source not found.** = 0 or **Error! Reference source not found.** = 1] Selection from crops already listed	Varieties of rice See table below	Did you plant upland rice or lowland rice on this farm during the last farming season? 1 = upland 2 = lowland 3 = both upland and lowland -66 = NR -99 = DK	On what area OF [FARM] did you plant upland rice? 1=acre 2=hectare 3=square meters 4= square feet 5= ropes	On what area OF [FARM] did you plant lowland rice? 1=acre 2=hectare 3=square meters 4= square feet 5= ropes

		found. = 1 or 3]	-66 = NR -99 = DK	1 = intercropped/mixed farming -66 = NR -99 = DK								Number	Unit	Number	Unit
1															
2															
3															
4															
5															

Questions for RICE VARIETIES   if E1_6=2 or 3

	E1_rv1	E1_rv1a	E1_rv2	E1_rv2a	E1_rv3	E1_rv3a	E1_rv4	E1_rv5	E1_rv6	E1_rv7	E1_rv7

	Was it an ARICA rice? 0 = no 1 = yes -66 = NR -99 = DK	What type of ARICA rice:	on [FARM] : Was it a SUAKOKO rice? 0 = no 1 = yes -66 = NR -99 = DK	on [FARM] : What type of SUAKOKO rice:	on [FARM] : Was it a NERICA rice? 0 = no 1 = yes -66 = NR -99 = DK	on [FARM] : What type of NERICA rice:	on [FARM] : Was it a LAC-23 rice? 0 = no 1 = yes -66 = NR -99 = DK	on [FARM] : Any other varieties of rice?	on [FARM] : What was the color of the rice? 1 yellow 2 white 3 red 4 brown	on [FARM] : Was it an early yielding variety? 0 = no 1 = yes -66 = NR -99 = DK	on [FARM] : Was it produced by AfricanRice? 0 = no 1 = yes -66 = NR -99 = DK
1											
2											
3											
4											
5											

Code: 1 ARICA-4 (upland) 2 ARICA-2 (lowland)	Code: 1 Suakoko-9 (upland or lowland) 2 Suakoko-8 (lowland) 3 Suakoko-12 (lowland)	Code: 1 NERICA-14 (upland) 2 NERICA-L19 (lowland) 3 NERICA-L20 (lowland)	1= Aromatic Rice: ORYLUX-6 (lowland) 2= Aromatic Rice: IR-841 (lowland) -99 (Don't know) Other	

Questions for CASSAVA VARIETIES   if E1_6=1 or 3

	E1_cv1	E1_cv1a	E1_cv2	E1_cv3	E1_cv4	E1_cv4a	E1_cv5	E1_cv6	E1_cv7	E1_16		E1_17
	Was it an CARICASS cassava? 0 = no 1 = yes -66 = NR -99 = DK	What type of CARICASS cassava:	on [FARM] : Was it a BASSA GIRL cassava? 0 = no 1 = yes -66 = NR -99 = DK	on [FARM] : Was it a MATADI cassava	on [FARM] : Was it a IITA-TMS cassava? 0 = no 1 = yes -66 = NR -99 = DK	on [FARM] : What type of IITA-TMS cassava:	on [FARM] : Any other varieties of cassava?	on [FARM] : What was the color of the cassava? 1 yellow 2 white 3 red 4 brown	on [FARM] : Was it dwarf variety cassava? 0 = no 1 = yes -66 = NR -99 = DK	What area of [FARM] did you grow CASSAVA last season? 1=acre 2=hectare 3=square meters 4= square feet 5= ropes Unit and number		CHECK: Add area devoted to rice and cassava. Does this seem correct? 0=No 1=Yes If 0, correct area devoted to rice and cassava.
1												
2												
3												
4												
5												

| Code:
 1=Caricass 1
 2=Caricass 2
 3=Caricass 3 | Code:

 = IITA-TMS-IBA920430
 2= IITA-TMS-IBA950306
 3=IITA-TMS-IBA010040
 4=IITA-TMS-IBA950166
 5= IITA-TMS-IBA011235 (yellow root) | | 6= IITA-TMS-IBA920057
 7= IITA-TMS-IBA011230/yellow root
 8=IITA-TMS-IBA000357
 9=IITA-TMS-IBA910416
 10=IITA-TMS-IBA960421
 -99= don't know | Code other variety:

 1= Butter Cassava
 2= Gbopanie
 3= Worldbank 1
 4=TME 1
 -99= (Don't know) -88= Other | |

	E1_18	E1-19a	E1-19b	E1-19c	E1_20	E1_21	E1_22
	Is this farm located on a hill, flatland, or swampland ? 1 = hilltop (upland) 2 = hillside (upland) 3 = hill foot (upland) 4 = flat upland 5 = swamp (lowland) 6 = Both upland and lowland -66 = NR -99 = DK	How much time does it take to walk to this farm from your HOME? [in minutes] -66 = NR -99 = DK	How much time does it take to walk to this farm from A MAIN/ MAJOR ROAD? [in minutes] -66 = NR -99 = DK	How much time does it take to walk to this farm from THE MARKET? [in minutes] -66 = NR -99 = DK	Who in the household manages this farm? [MID from HH roster]	Do you co-manage this [FARM] with anyone outside the household? 0=no 1=yes -66 = NR -99 = DK	How do you know that person? [If Prev. = yes]
1							
2							
3							
4							
5							

Code e1_22: 1 = RELATIVE 2 = NEIGHBOR 3 = FRIEND 7 = Cooperative / FBO (including group member) 10 = PRIVATE BUSINESS PERSON	11 = FACTORY 12 = EMPLOYER 13 = RELIGIOUS INSTITUTION 14 = BANK (COMMERCIAL) 15 = SUPERMARKET/LOCAL MERCHANT 16 = MONEY LENDER	17 = NGO 18 = DISTRIBUTION OFFICER 19 = Local Government 20 = SAPEC 21 = Other Government Projects	22 = Ministry of Agriculture / CDA (but not a project) 23 = Farmer Union Network (FUN) (including group member) -66 = NR -99 = DK other = OTHER, SPECIFY	Code e1_23: 1 = WITHIN THE VILLAGE 2 = NEAR THE VILLAGE 3 = ANOTHER TOWN 4 = ANOTHER DISTRICT	5 = ANOTHER COUNTY 6 = ANOTHER REGION 7 = ACROSS THE BORDER -66 = NR -99 = DK

	E1_24	E1_25	E1_26	E1_27	E1_28	E1_29	E1_30	E1_31	E1_33	E1_34	E1_35

	What proportion of the crop harvest does your household get as your share? [Question relevant if prev=yes] Number (%)	Who spent most of the time working on this farm during the last farming season?	Does the household have the right to sell this farm or use it as collateral? 0=no 1=yes -66 = NR -99 = DK	How was this farmland acquired?	Does anyone in the household have a deed for this farmland? [Question relevant if Error! Reference source not found.7 = 3] 0 = No 1 = Yes -66 = NR -99 = DK	Who in the household owns this farm? [Question relevant if Error! Reference source not found.8 = 1]	Who owns the farmland? [Question relevant if Error! Reference source not found.7 = 4 or 6]	Was any payment made in cash or in kind for the rental of this farmland in the last completed farming season? [Question relevant if Error! Reference source not found.7=4 0 = No 1 = Yes -66 = NR -99 = DK	In the last completed farming season, how much have you paid in cash for renting this farmland? [Question relevant if Error! Reference source not found. = 1] 1=LD 2=USD -66= NR		In the last completed farming season, what was the value of all payments in-kind you have made for renting this farmland? [Question relevant if Error! Reference source not found. = 1] 1=LD 2=USD -66= NR		What period of time did these payments cover [$exp_farm1 cash and $exp_farm2 in kind]? [Question relevant if Error! Reference source not found. = 1] 1=month 2=year	
		MID				MIDs			Number	Unit	Number	Unit	Num.	Unit
1														
2														
3														
4														
5														

1 = Community land / tribal land 2 = Inherited by the family 3 = private sale	4 = rented 7 = farmied as tenant -66 = NR -99 = DK	1 = RELATIVE 2 = NEIGHBOR 3 = FRIEND 7 = COOPERATIVE UNION 10 = PRIVATE BUSINESS PERSON 11 = FACTORY	12 = EMPLOYER 13 = RELIGIOUS INSTITUTION 14 = BANK (COMMERCIAL) 15 = SUPERMARKET/LOCAL MERCHANT 16 = MONEY LENDER 17 = NGO	18 = DISTRIBUTION OFFICER -66 = NR -99 = DK other = OTHER, SPECIFY		

	E2_1	E2_2	E2_3	
	Was this [FARM] irrigated in the last completed farming season? 0 = No 1 = Yes -66 = NR -99 = DK	What was the type of irrigation used on [FARM]? [Question relevant when **Error! Reference source not found.**=1]	What was the source of water?	
		MID		
1				
2				
3				
4				
5				
1 = Gravity stream diversion 2 = Bucket / Watering Can 3 = Hand pump 4 = Treadle pump 5 = Motor pump	6 = Pipelines (no pump) -66 = NR -99 = DK other = other, specify		1= well 2= borehole 3= marshland drainage 4= spring 5= river/stream 6= rain catchment pond	7= roof catchment pond 8= lake 9= dam -66= NR -99= don't know

Section E-3: Crop Production

The following questions will be repeated for upland rice, lowland rice, cassava and any other crops selected in Key_ot2

Crop ID	E3_2	E3_3	E3_4		E3_a5	E3_5	E3_6		E3_6s	e3_7		e3_19		E3_8	E3_9	
	How much [CROP] seed or cuttings did you plant in your farmland last season?	How much of [CROP] seed was improved (hybrid) seed or cuttings? [ONLY FOR RICE OR CASSAVA]	How much in total did you spend on the [CROP] seed or cuttings you planted in this plot? If in-kind payment, [ask for estimated value]. 1= LD 2 = USD 0= ZERO/Not applicable		Did you irrigate [CROP] last season? 0 = No 1 = Yes -66 = NR -99 = DK	Was [CROP] affected by any disease or pest infestation during the last planting seasons? 0 = No 1 = Yes -66 = NR -99 = DK	How much [CROP] did you harvest from all farms over the last 12 months?		Did you sell [CROP] in the last season? 0 = No 1 = Yes	How much [CROP] did you sell in the last season?		How much did you earn in total from selling the [CROP] that was harvested from last season? [Question relevant when **Error! Reference source not found.** > 0 for CROP] 1= LD 2 = USD 0= ZERO/Not applicable		Do you still have any [CROP] from last season to sell? 0 = No 1 = Yes -66 = NR -99 = DK	How much more [CROP] do you intend to sell? [Question relevant when prev = 1]	
		Num	Unit	Num	Unit			Num	Unit		Num	Unit	Number	Unit		Num.	Unit

	E3_10		E3_12		e3_13		e3_15		È3_17		E3_18
	How much [CROP] do you have stored to eat later?		How much [CROP] was given out as payment for labour? (Include amount given to kuu labour.)		How much of the harvested [CROP] was used to repay a loan for inputs?		How much [CROP] did you store to use as seed or cuttings for next season? [NOT FOR CASSAVA]		How much of the harvested [CROP] was used as input for processed products and by-products (e.g., gari, rice straw)?		Why the harvested was amount zero? [Question relevant when **Error! Reference source not found.** = 0]
	Num	Unit	Num	Unit	Num	Unit	Num	Unit	Number	Unit	

0= ZERO/not applicable	5=medium basket	10=medium bucket	15=pound	1= Not time to harvest	-88= Other Specify
1 = small bundle	6=large basket	11=large bucket	16=seedlings	2= Crop Destroyed	-99= don't know
2=medium bundle	7=tub	12=25kg bag	17= gallon	3= Crop disease	
3=large bundle	8=kinja	13=50kg bag	-99= Don't know	4= Crop theft	
4=small basket	9=small bucket	14=kg	-66= Refuse to answer		

Section E-4: Input Use

Input	e4_1	e4_2	e4_3	e4_6	e4_7
	Have you heard about [INPUT]? 0=No 1=Yes -99 = DK	Which person, group, or organization first gave you information about [INPUT]? [Question relevant if **Error! Reference source not found.**= 1]	Where did you hear about [INPUT]? [Question relevant if e4_1=1]	Have you used [INPUT on your own farm (on any crop) in the past 12 months? Question relevant if e4_1=1] 0=No 1=Yes -66=NR -99=DK	What was the main reason for not using [INPUT]? [Relevant if e4_6 = 1]
Improved Seeds					
Organic/natural fertilizer					
Chemical/inorganic fertilizer					
Pesticide/herbicide					
Code: 1 = Relative 2 = Neighbor 3 = Friend 7 = Cooperative / FBO (including group member) 10 = Private Sector Firm or Private Business Person 11 = Factory 12 = Employer 13 = Religious Institution 14 = Bank (Commercial)	15 = Supermarket/Local Merchant 16 = Money Lender 17 = NGO 18 = Distribution Officer 19 = Local Government 20 = SAPEC 21 = Other Government Projects 22 = Ministry of Agriculture / CDA (but not a project) 23 = Farmer Union Network (FUN) (including group member) other = other, specify	**Code:** 1=Television 2=Radio 3=Internet 4=Newsletter 5=Demonstration Plot 6=SMS 7=Meeting 8=Study Tour	9=Notice Board 10=Field Day 11=Farmer Competition 12=Class attendance/farmer field school 13=Pamphlet/distributed poster 14=Home/farm visit (by person not in the household) 15=Conversation with HH Member (at home/at farm) Other (specify)	**Code:** 1 = Lacked information 2 = Lacked money to purchase input 3 = Lacked opportunity to purchase input (including insufficient quantities in market) 4 = Lacked necessary materials other than INPUT	5 = Not enough labor 6 = Not enough time 7 = Not interested 8 = Don't think it's useful 9 = Not enough land -66 = NR -99 = DK other=other, specify

	Input	E4_8	E4_9	E4_10	E4_11	E4_12	
		[If respondent used the input] Did you use [INPUT] on [CROP] in the last 12 months? If 'no', skip to next crop. 0=No 1=Yes -66 = NR -99 = DK	Who was the main provider of the INPUT you used in the last 12 months? [Question relevant if **Error! Reference source not found.** = 1]	Why did you choose to use the INPUT for CROP during <u>last farming season</u>? [Question relevant when **Error! Reference source not found.**= *[1 or more improved varieties]*]	Was any of the [INPUT] purchased (including in-kind direct payment but not including in-kind loan)? *YES IF INPUT WAS RECEIVED THROUGH SUBSIDIZED DISTRIBUTION* [Question relevant if **Error! Reference source not found.** = 1] 0=No 1=Yes -66 = NR -99 = DK	How much in total did you spend for all [INPUT] purchased? IF IN-KIND PAYMENT, ASK FOR ESTIMATED VALUE. [Question relevant if **Error! Reference source not found.**= 1] 1=LD 2=USD -66=NR -99=DK	
						Num.	Unit
Upland Rice	Improved Seeds						
	Organic/ natural fertilizer						
	Chemical/ inorganic fertilizer						
	Pesticide/herbicide						
Lowland Rice	Improved Seeds						
	Organic/ natural fertilizer						
	Chemical/ inorganic fertilizer						
	Pesticide/herbicide						
Cassava	Improved Seeds						
	Organic/ natural fertilizer						
	Chemical/ inorganic fertilizer						
	Pesticide/herbicide						
Other crops	Improved Seeds						
	Organic/ natural fertilizer						
	Chemical/ inorganic fertilizer						
	Pesticide/herbicide						

Code: 1 = Local Government 2 = SAPEC Project 3 = Other Govt Projects 4 = Ministry of Agriculture / CDA (but not a project and not the subsidized distribution) 5 = NGO	6 = Farmer Union Network (FUN) 7 = Cooperative/ Farmer Based Organisation (FBO) 8 = Private Sector Firm	9 = Family/Friends 10 = Produced by HH 11 = Private Stores 12 = Subsidized Distribution -66 = -66 (refuse to answer) -99 = -99 (don't know)	Code: 1 = advice from SAPEC representative 2 = advice from MOA extension officer 3 = Advice from extension officer from other government sponsored project 4 = Advice from NGO/INGO 5 = Advice from Farmer Co-Op / FBO	6 = Demo plot 7 = Advice from family/friend 8 = Only item available for purchase 9 = Own experience -66 = NR -99 = DK other = other, specify

INPUT = improved seeds, organic/natural fertiliser (e.g. e.g. chicken poo poo, weeds pulled from farm, sawdust, rotten foods), chemical/inorganic fertilizer (e.g. NPK-15-15-15 or urea)

	Input	E4_13		E4_14	E4_15		E4_16		E4_17		E4_18	
		How much [INPUT] did you receive for that price for [CROP]? [Question relevant if **Error! Reference source not found.**= 1]		Did you receive any of the [INPUT] as a loan (input received directly and supplier repaid at end of season in cash or in-kind)? [Question relevant if **Error! Reference source not found.** = 1]	How much will you have to repay in the future (or did you repay in total) for the [INPUT] provided for [CROP]? IF IN-KIND PAYMENT, ASK FOR ESTIMATED VALUE. [Question relevant if **Error! Reference source not found.**= 1]		How much [INPUT] did you receive for that price for [CROP]? [Question relevant if **Error! Reference source not found.**= 1]		How much [INPUT] used on your farms in the past 12 months did your household receive for free? [Question relevant if **Error! Reference source not found.** = 1]		How much [INPUT] did you use on your farms for [CROP]	
		Num.	units: 1 = kg 2 = g 3 = lb 4 = oz 5=number 6=liter	0=No 1=Yes -66 = NR -99 = DK	Number	Unit	Number	units: 1 = kg 2 = g 3 = lb 4 = oz 5=number 6=liter	Num.	units: 1 = kg 2 = g 3 = lb 4 = oz	Num.	units: 1 = kg 2 = g 3 = lb 4 = oz 5=number 6=liter
Upland Rice	Improved Seeds												
	Organic/ natural fertilizer												
	Chemical/ inorganic fertilizer												
	Pesticide/herbicide												
Lowland Rice	Improved Seeds												
	Organic/ natural fertilizer												
	Chemical/ inorganic fertilizer												
	Pesticide/herbicide												
Cassava	Improved Seeds												
	Organic/ natural fertilizer												
	Chemical/ inorganic fertilizer												
	Pesticide/herbicide												
Other crops	Improved Seeds												
	Organic/ natural fertilizer												
	Chemical/ inorganic fertilizer												
	Pesticide/herbicide												

CROP	e4_22a	e4_22b	e4_22c	e4_23
	If you used Organic Fertilizer, What is the main type of ORGANIC FERTILIZER that you used on [CROP]? 1 = Animal manure / poo poo 2 = Weeds pulled from farm 3 = Sawdust 4 = Rotten foods other = other, specify	If you used Inorganic Fertilizer, What is the main type of INORGANIC/ CHEMICAL FERTILIZER you used on this [CROP]? 1 = urea 2 = triple super phosphate (tsp) 3 = nitrogen phosphate potassium (NPK) -66 = NR -99 = DK other = other, specify	If you used herbicides/ pesticides, What is the main type of PESTICIDE you use on this [CROP]? 1 = insecticide 2 = fungicide 3 = herbicide other = other, specify	Did you apply any ASH on this [CROP] during the last completed farming season? 0 = No 1 = Yes -66 = NR -99 = DK
Upland Rice				
Lowland Rice				
Cassava				
Other Crops				

Section E-5: Technology Use

	e5_1	e5_2	e5_3	e5_6	e5_7

CROP	Have you heard about [TECH.]? 0 = No 1 = Yes	Which person, group, or organization first gave you information about [TECHNOLOGY]? [Question relevant if **Error! Reference source not found.**= 1]	Where [through what means] did you hear about [TECHNOLOGY]? [Question relevant if **Error! Reference source not found.**= 1] *Select multiple*	Have you used [TECHNOLOGY]? On your own farm in the past 12 months? 1=yes 0=no -99=DK	What was the main reason for not using [TECHNOLOGY]? [Question relevant if **Error! Reference source not found.**= 0]
Plant Cover					
IPM					
Plant Nursery					
Soil Mounds/ Ridges					
Compost Making					
Mulching					
Green Manure					
Minisetting cassava					

1 = Relative 2 = Neighbor 3 = Friend 7 = Cooperative / FBO (including group member) 10 = Private Sector Firm or Private Business Person 11 = Factory 12 = Employer 13 = Religious Institution 14 = Bank (Commercial)	15 = Supermarket/ Local Merchant 16 = Money Lender 17 = NGO 18 = Distribution Officer 19 = Local Government	20 = SAPEC 21 = Other Government Projects 22 = Ministry of Agriculture / CDA (but not a project) 23 = Farmer Union Network (FUN) (including group member) other = other, specify	1 = Television 2 = Radio 3 = Internet 4 = Newsletter 5 = Demonstration Plot 6 = SMS 7 = Meeting 8 = Study Tour	9 = Notice Board 10 = Field Day 11 = Farmer Competition 12 = Class attendance / farmer field school 13 = Pamphlet / distributed poster 16 = Home / farm visit (by person not in the household) 17 = Conversation with HH Member (at home/at farm)	1 = Lacked information 2 = Lacked materials 3 = Not enough labor 4 = Not enough time 5 = Not interested 6 = Don't think it's useful 7 = Not enough land -66 = NR -99 = DK other=other, specify

		E5_6	E5_9	e5_10	e5_11

CROP		Did you use [TECHNOLOGY] on [CROP] last season? [Question relevant when farmer planted CROP last season and when **Error! Reference source not found.** for *TECHNOLOGY* = 1.] 0 = no 1 = yes	On how much of your [CROP] cultivation area did you practice [TECHNOLOGY]? [Question relevant when **Error! Reference source not found.** = 1] 1 = acre 2 = ha 3 = square feet 4 = square metre 5= ropes	Was this implemented as part of a project? [Question relevant when **Error! Reference source not found.** = 1] 0 = no 1 = yes -66 = NR -99 = DK	How much did you spend to implement [TECHNOLOGY] on [CROP] last season? If in-kind payment, ask respondent to estimate value. [Question relevant when **Error! Reference source not found.** = 1] 1 = LD 2 = USD 0= ZERO/not applicable
Upland Rice	Plant Cover				
	IPM				
	Plant Nursery				
	Soil Mounds/ Ridges				
	Compost Making				
	Mulching				
	Green Manure				
Lowland Rice	Plant Cover				
	IPM				
	Plant Nursery				
	Soil Mounds/ Ridges				
	Compost Making				
	Mulching				
	Green Manure				
Cassava	Plant Cover				
	IPM				
	Plant Nursery				
	Soil Mounds/ Ridges				
	Compost Making				
	Mulching				
	Green Manure				
	Minisetting cassava				

Section E-6: Labor for Basic Agricultural Activities

	CROP	e6_1	e6_2	e6_3	e6_4	e6_5	e6_6	e6_7	e6_8	
		For how many days in total, were adult male HH members involved in [ACTIVITY]?	For how many days in total, were adult female HH members involved in [ACTIVITY]?	For how many days in total, were HH members under the age of 18 [children] involved in [ACTIVITY]?	Did any unpaid labor assist with [ACTIVITY]? (not including kuu labor paid in-kind) 0=No 1=Yes -66 =NR	For how many days in total, did the unpaid labor do [ACTIVITY]? [Question relevant when **Error! Reference source not found.**=1]	Did you hire any paid labor for [ACTIVITY]? (including kuu labor paid in-kind) 0=No 1=Yes -66 =NR	For how many days in total, did the paid labor (including kuu laborers who were paid in kind) do [ACTIVITY]? [Question relevant when **Error! Reference source not found.**=1]	How much in total did you pay hired labor for [ACTIVITY]? If in-kind payment, ask respondent to estimate value. [when **Error! Reference source not found.**=1] 1 = LD 2 = USD	
									Num	Unit
Land preparation	Upland Rice									
	Lowland Rice									
	Cassava									
	Other Crops									
Planting	Upland Rice									
	Lowland Rice									
	Cassava									
	Other Crops									
Weeding	Upland Rice									
	Lowland Rice									
	Cassava									
	Other Crops									
Input application	Upland Rice									
	Lowland Rice									
	Cassava									
	Other Crops									
Harvesting	Upland Rice									

Lowland Rice							
Cassava							
Other Crops							

Additional questions to be asked only if at least one farm or crop is irrigated:

Number	Question	Code			
D5_15R	Who is responsible for maintaining the irrigation structure?	1 = Cooperative 2 = Water User Association 3 = Self-help group	4 = Household -66 = -66 (refuse to answer) -99 = -99 (don't know) -88=other, specify:		
D5_13R	If prev = 4, Which household member is responsible for management of irrigation structure for growing the household's crops?	[hh roster], other			
D5_14R	How much did you pay in fees (cash or in kind) for managing irrigation last season? If in-kind payment, ask respondent to estimate value	Number	0= Zero/not applicable 1 = LD 2 = USD	-99 = DK -66 = NR	
D5_16R	How much did your household spend on labour to maintain your irrigation system? If in-kind payment, ask respondent to estimate value.	Number	0= Zero/not applicable 1 = LD 2 = USD	-99 = DK -66 = NR	
D5_17R	How much did your household spend on non-labour inputs to maintain your irrigation system for this crop? If in-kind payment, ask respondent to estimate value. If none, write 0.	Number	0= Zero/not applicable 1 = LD 2 = USD	-99 = DK -66 = NR	

Section E-7: Storage and Marketing

Section below only relevant if any of the harvested crop in storage now?

CROP	e7_1	e7_2	E7_3	E7_4	E7_5	E7_6	E7_7	E7_8
	Do you have any of the harvested [CROP] in storage now? [Question relevant when **Error! Reference source not found.** > 0 for CROP] 0 = no 1 = yes -66 = NR -99 = DK	Why not? [Question relevant when **Error! Reference source not found.**=no]	Did you store any of [CROP] planted LAST FARMING SEASON after you harvested it (pulled it from the ground)? [Question relevant when **Error! Reference source not found.**=no] 0 = no 1 = yes -66 = NR -99 = DK	What is the main method of storage for [CROP]? [Question relevant when **Error! Reference source not found.**=1 or **Error! Reference source not found.** = 1]	In total, how much [CROP] from LAST FARMING SEASON did you store in this place? [Question relevant when **Error! Reference source not found.**=1 or **Error! Reference source not found.** = 1]	What do you do to protect the stored [CROP]? [Question relevant when **Error! Reference source not found.**=1 or **Error! Reference source not found.** = 1]	What was the main mode of transportation used to get [CROP] from the farm to the main storage location? [Question relevant when **Error! Reference source not found.**=1 or **Error! Reference source not found.** = 1]	Using this method of transportation, how long does 1 trip from the farm to the main storage location take? [Question relevant when **Error! Reference source not found.**=1 or **Error! Reference source not found.** = 1] 1 = min 2 = hrs
								Num | Unit
Upland Rice								
Lowland Rice								
Cassava								
Other Main Crop								

| Code: 1 = no crop stored last season 2 = crop stored has finished 3 = remaining crop stored was eaten by animals 4 = remaining crop stored rotted and had to be thrown away -66 = NR -99 = DK other = other, specify | Code: 1 = pile in attic 2 = bags in house 3 = storeroom 4 = storage house -66 = NR -99 = DK other = other, specify | 0=ZERO/ not applicable 1 = small bundle 2=medium bundle 3=large bundle 4=small basket 5=medium basket 6=large basket 7=tub 8=kinja | 9=small bucket 10=medium bucket 11=large bucket 12=25kg bag 13=50kg bag 14=kg 15=pound seedlings 17=gallon | -88 = Other -66 = NR | | Code: 1=spraying 2=smoking 3=hired guard 4=did nothing -66 = NR -99 = DK other=other, specify | Code: 1 = on foot 2 = bicycle 3 = wheel barrow/ push push 4 = motorbike 5 = car 6 = truck/bus/ minibus -66 = NR -99 = DK other = other, specify |

CROP	E7_9	E7_10		E7_11a		E7_13	E7_14
	How many trips did you take for the biggest harvest? [Question relevant when **Error! Reference source not found.**=1 or **Error! Reference source not found.** = 1]	What was the total cost of transportation associated with [CROP] sales to [MAIN STORAGE LOCATION, {$**Error! Reference source not found.**}]? INCLUDE ALL TRIPS TO AND FROM THE FARM. IF NOTHING, RECORD '0'. [Question relevant when **Error! Reference source not found.**=1 or **Error! Reference source not found.** = 1] 1 = LD 0=ZERO 2 = USD		What was the total storage cost incurred to store the [CROP] at the [MAIN STORAGE LOCATION]? [If in-kind payment, ask respondent to estimate value.] *relevant if stored outside the house* 1 = LD 2 = USD		In total, how many days did HH members spend processing the [CROP] after the harvest? [Include drying, shelling, sorting, grinding, juicing]	Did you have to give any payments to labor for processing? 0 = no 1 = yes -66 = NR -99 = DK
		Num	Unit	Num	Unit		
Upland Rice							
Lowland Rice							
Cassava							
Main other crop							

CROP	E7_11	E7_18	E7_20	E7_24		E7_25
	In total, how much did you pay labor for processing? If in-kind payment, ask respondent to estimate value. If d7_14=yes 1=LD 2=USD	How many days after processing the [CROP] do you start selling the crop?	Who in the household decided what to do with the earnings from this crop? [Question relevant if crop was sold] MID	What was the total cost of transportation associated with [CROP] sales to [LARGEST BUYER/MAIN LOCATION OF SALE]? INCLUDE ALL TRIPS TO AND FROM THE FARM OR STORAGE LOCATION. IF NOTHING (INCLUDING GAS), RECORD '0'. 1= LD 2 = USD		How many times last year did you sell [CROP] at this location?
				Num	Unit	
Upland Rice						
Lowland Rice						
Cassava						
Other Main Crop						

CROP	E7_29	E7_30		E7_32	
	Do you sell [CROP] as part of a cooperative or group of farmers? 0=no 1=yes -66=NR	Last year, how much [CROP] was wasted due to rot, lack of storage space, slow sale of product, weather issues, poor market prices or other concerns?		Approximately how much [CROP] is wasted in a year on average?	
		Num	Unit	Num	Unit
Upland Rice					
Lowland Rice					
Cassava					
Other Main Crop					

0= ZERO/not applicable	5=medium basket	10=medium bucket	15=pound
1 = small bundle	6=large basket	11=large bucket	16=seedlings
2=medium bundle	7=tub	12=25kg bag	17=gallon
3=large bundle	8=kinja	13=50kg bag	Don't know
4=small basket	9=small bucket	14=kg	Refuse to answer

E7_20	MID
Who in the household decided what to do with earnings from crops other than Cassava, Upland Rice, and Lowland Rice?	

Section F-1: Crop Production Cycle

Repeated for upland rice, lowland rice and/or cassava, as relevant.

Number	F1_1	F1_2	F1_3	F1_4
	During which months last year did your household (or labour working for household) plant [CROP]?	During which months last year did your household (or labour working for household) harvest [CROP]?	During which months last year did your household (or labour working for household) carry out post-harvest activities on [CROP]?	During which months last year did your household (or labour working for household) sell [CROP]?
Upland Rice				
Improved Upland Rice				
Lowland Rice				
Improved Lowland Rice				
Cassava				
Improved Cassava				

1 = Jan	4 = Apr	7=July	10 = Oct
2 = Feb	5 = May	8=August	11 = Nov
3 = Mar	6 = June	9 = Sep	12=Dec

Section G-1: Farmer Organizations

Number	Question	Code		
	Are you a member of any Farmer Group or Cooperative?	1 = farmer group 2 = cooperative	3 = none -66 = NR	
If not a member of a farmers group, skip to g1_18				
	Which year was the Farmer Group or Cooperative formed?	Date (year)		
	How many years have you been a member of this group or Cooperative?	number		
	What is the name of your Farmer Group or Cooperative?	Text		
	What is your position in the Farmer group or Cooperative?	1=Chairman 2=Secretary 3=Treasurer 4=Advisor	5=Member -66=-66 (refuse to answer) -99=-99 (don't know) other=other, specify	

	Is your Farmer Group or Cooperative registered with the Cooperative Development Agency of Liberia (CDA)?	0 = no 1 = yes	-66 = NR -99 = DK
	Is your Farmer Group or Cooperative limited to farmers who grow specific crops?	0 = no 1 = yes	-66 = NR -99 = DK
	Which crops?	*HIES Crop Codes [select multiple]*	
	What is the current number of male group members in the Farmer Group or Cooperative? *PLEASE WRITE 8888 IF DON'T KNOW AND 6666 IF REFUSE TO ANSWER.*	Number	
	What is the current number of female group members in the Farmer Group or Cooperative?	Number	
	Did you pay a membership fee to be a part of this Farmer Group or Cooperative?	0 = no 1 = yes	-66 = NR -99 = DK
& 0u	What is the membership fee that you have paid to this Farmer Group or association?	number	1 = LD 2 = USD
	During the last 12 months, did you pay any contribution fee to be a part of this Farmer Group or Cooperative?	0 = no 1 = yes	
	What is the contribution fee that you have paid to this farmer group or Cooperative in the last 12 months? (Estimate the value of any in-kind contribution.)	integer	
	Do the farmer group or Cooperative's rules say that members HAVE to take a minimum number of loans each quarter, farming season or year?	0 = no 1 = yes	-66 = NR -99 = DK
	What is the minimum number of loans? [Question relevant when 0=1]	number	
	What is the time period? Every… [Question relevant when 0=1]	Number units: 1 = months 2 = quarters	3 = farming seasons 4 = years -66 = NR -99 = DK other = other, specify
End questions relevant when 0 = 1 or 2			
	Are you willing to be part of a new group or cooperative formed in your area? [Question relevant when 0 = 3]	0 = no 1 = yes -66 = NR -99 = DK	

Section H-1: Livestock
LIVESTOCK types: female cows, male cows (bulls), sheep, goats, pigs, rabbits, chicken or other poultry, and guinea pigs.

	H1_1	H1_2		H1_1	H1_2

Livestock	Does your HH own [LIVESTOCK]? 0 = no 1 = yes -66 = NR	How many [LIVESTOCK] does your HH own? [Question relevant when h1_1 = 1]	Livestock	Does your HH own [LIVESTOCK]? 0 = no 1 = yes -66 = NR	How many [LIVESTOCK] does your HH own? [Question relevant when h1_1 = 1]
female cows			rabbits		
male cows(bulls)			chicken		
sheep			Other poultry		
goats			Guinea pigs		
pigs					

H1_other	Please specify what types of poultry are owned by the household.	1 = chicken 2 = ducks other = other, specify

Do you own any other types of livestock: 0=No 1 = Yes

Write type of other livestock	Number of other livestock

Section I-1: Housing

Number	Question	Code	
I1_1	How long has your household inhabited this dwelling?	1=Less than 6 months 2=6 months - 1 year 3=1 - 5 years (not inclusive of 5) 4=5 - 10 years (not inclusive of 10)	5=10+ years -66= (refuse to answer) -99= (don't know)
I1_2a	Is this dwelling part of a compound?	0 = no 1 = yes -66 = NR	
I1_2b	Do multiple households live in this dwelling? [Question relevant when 0a = 0]	1=Single HH dwelling 2=Multiple HH dwelling	
I1_2c	Do multiple households live in this compound? [Question relevant when 0a = 1]	1=Single HH compound 2=Multiple HH compound	-66= (refuse to answer) -99= (don't know)
I1_3	What is your current occupancy status?	1=Owner occupied 2=Tenancy - renting 3=Dwelling provided for free 4=Appropriation / Squatting	5=Temporary camp or settlement -66= (refuse to answer) -99= (don't know) other = other, specify

I2_1	What is the main construction material of the walls of your house?	1=Adobe / Unburnt bricks / Unbaked Dirt Blocks 2=Fired bricks / Baked Dirt Blocks 3=Cemented mud and wattle 4=Uncemented mud and wattle 5=Wattle and reeds	6=concrete / cement / cement blocks 7=corrugated metal / zinc 8=bamboo mat -66= (refuse to answer) -99= (don't know) other = other, specify
I2_2	What is the main material used for the floors of the dwelling?	1=Mud/Earth/Sand 2=Clay 3=Cement/Concrete	-66= (refuse to answer) -99= (don't know) other = other, specify
I2_3	What is the primary source of drinking water for your household?	1=tap inside house 2=tap on property 3=public tap 4=tube well or borehole 5=protected well 6=unprotected well 7=protected spring	8=unprotected spring 9=rainwater 10=surface water (River/ Lake /Irrigation Channel) 11=bottled water / bag water -66= (refuse to answer) -99= (don't know)

Section J-1: Kitchen (Backyard) Gardens

Number	Question	Code	
	Does your HH have a kitchen garden / backyard garden?	0 = no 1 = yes	-66 = NR -99 = DK
	Which crops did you grow in the backyard garden in the last 12 months? [relevant when 0 = yes]	*HIES crop codes; select multiple*	
	What are the crops grown in the backyard garden used for?	1=self-consumption 2=sale 3=To give produce as gifts to relatives / friends	-66=-66 (refuse to answer) -99=-99 (don't know)

Financial Section Respondent/Consent

Enumerator: For the following sections, you must interview the financial decision maker in the household

Section K-1: Income and Expenditure

k1_note1: From January 2016 to December 2016, how much did you EARN FROM: [Write 0 if no income from a source.]

Number	Question	Code	
K_01	Sale of livestock	Number:	1=LD, 2=USD
K_02	Sale of livestock products (butter, milk, cheese)	Number:	1=LD, 2=USD
K_03	Own Farm enterprise (sale/renting agricultural equipment, beekeeping, brewing beer)	Number:	1=LD, 2=USD
K_06	Non-farm enterprise (retail, petty trade, phone charging)	Number:	1=LD, 2=USD
K_08	Renting land	Number:	1=LD, 2=USD
K_09	Sale of land	Number:	1=LD, 2=USD
K_12	Remittances	Number:	1=LD, 2=USD
K_13	Interests and dividends	Number:	1=LD, 2=USD
K_14	Pension	Number:	1=LD, 2=USD
k_17	SAPEC Project	Number:	1=LD, 2=USD
K_18	Other Government Project	Number:	1=LD, 2=USD
L2_14	Other non-agriculture sources	Number:	1=LD, 2=USD
L2_14a	What other non-agricultural sources did the HH earn income from? Relevant if l2_14>0	text	

k1_note4: From January 2016 to December 2016, how much did you SPEND ON: [Write 0 if no expenditure on a source.]

Number	Question	Code	
	Education expenses including school fees, uniforms, books, and transportation	Number:	1=LD, 2=USD
	renting or purchasing land	Number:	1=LD, 2=USD
	renting agricultural equipment	Number:	1=LD, 2=USD

Section K-2: Assets

Asset	AA_01 Do you own a [ASSET], (in working order)? 0 = no 1 = yes -66 = NR	Asset	AA_01 Do you own a [ASSET], (in working order)? 0 = no 1 = yes -66 = NR
radio		chair	
TV set		motorcycle or scooter	
mobile phone		bicycle	

internet connection (including mobile internet or smart phone)		Mosquito net	
electric fan		hoes and shovels	
sewing machine		rakes and spades	
bed,		Cutlass/machete	
Cupboard/ bookcase		wheel barrow,	
table		peeling machine	

Section M-1: Informal Saving

Informal saving: savings owned by the respondent and kept at home or outside of the bank system. For example, in non registered group.

Number	Question	Code				
m1_1	Does your HH have any informal savings?	0 = no 1 = yes		-66 = NR -88 = DK		
m1_2	What is the current amount of informal savings? [Question relevant when m1_1=1]	number units: 1=LD, 2=USD				
m1_3	What amount is held in a group (cash box/Susu)? [Question relevant when m1_1=1]	number		1=LD 2=USD		
m1_4	What have you used the informal savings for over the past year? [Question relevant when m1_1=1]	1=Agricultural equipment 2=Seeds 3=Fertilizers 4=Pesticides / Insecticides 5=Land 6=Livestock		7=House 8=Vehicle 9=Education 10=Medical Reasons 11=Marriage 12=Business expansion		13=Repayment of loan 14=Retirement/old age 15=Migration 16=To access loans -66= (refuse to answer) -99= (don't know)

m1_5	What do you plan to use your informal savings for over the next year? [Question relevant when m1_1=1]	1=Agricultural equipment 2=Seeds 3=Fertilizers 4=Pesticides / Insecticides 5=Land 6=Livestock	7=House 8=Vehicle 9=Education 10=Medical Reasons 11=Marriage 12=Business expansion	13=Repayment of loan 14=Retirement/old age 15=Migration 16=To access loans -66= (refuse to answer) -99= (don't know)
m1_6	If someone offered you LD 2,000 now or LD 2,500 in one month, which offer would you take?	1 = LD 2000 2 = LD 2500		-66 = NR -88 = DK
m1_7	If someone offered you LD 2,000 now or LD 3000 in one month, which offer would you take?	1 = LD 2000 2 = LD 3000		-66 = NR -88 = DK

Section M2: Bank Account

Number	Question	Code	
m2_1	Does any HH member have a bank account?	0 = no 1 = yes	-66 = NR -99 = DK
m2_2	Why doesn't any HH member have a bank account? (List up to 3. If more than 3, list the 3 most important.) [Question relevant when m2_1=0]	1=Bank at great distance 2=Inconvenient banking hours 3=Can't afford (service fees, etc.) 4=Insufficient financial products (the bank does not have the type of account the householder needs) 5=Doesn't trust banks 6=No money left after covering expenses 7=No income	8=No ID document 9=Doesn't know how banks work 10=Doesn't know where to apply 11=Doesn't know how to apply 12=Doesn't know the benefits -66=-66 (refuse to answer) -99=-99 (don't know)

	m2_3	How many bank accounts do HH members have, in total? [Question relevant when m2_1=1]	number

	M2_4	M2_5	M2_6	M2_6j	M2_7	M2_8	M2_9
Account	Where is this account held? 1=Commercial Bank 2=MFI -66=-66 (refuse to answer) -99=-99 (don't know) other=other, specify	Is it an individual account, joint account or group account? 1 = individual 2 = joint 3 = group -66 = NR -99 = DK	Who is the owner of this account? [Question relevant when account is individual.]	Who are the owners of this account? [Question relevant when account is joint.]	Who from the HH has a share in this group account? [Question relevant when account is group.]	What are the reasons that your HH has this account? (List up to 3. If more than 3, list the 3 most important.)	Which of the following bank products or services has your HH used for this account over the last 12 months?
			MID	MIDs			
1							
2							
3							
1=To keep money safely 2=To receive wages 3=To deposit money from business 4=to transfer money 5=To save 6=To access loans		7=to access advance on harvest 8=For internal lending 9=To receive interest -66=-66 (refuse to answer) -99=-99 (don't know) other = other, specify			1=Pass book / Bank book 2=ATM card 3=Debit card 4=Cheque card 5=Overdraft facilities	6=Warehouse receipts 7=Pension fund -66=-66 (refuse to answer) -99=-99 (don't know) other = other, specify	

Section M-3: Credit

Number	Question	Code	
	If someone offered you LD 2,000 in 6 months or LD 2,500 in 7 months, which offer would you take?	1 = LD 2000 2 = LD 2500	-66 = NR -99 = DK
	If someone offered you LD 2,000 6 months or LD 3,000 in 7 months, which offer would you take?	1 = LD 2000 2 = LD 3000	-66 = NR -99 = DK

	Do you need any training in order to better understand financial matters?	0 = no 1 = yes	-66 = NR -99 = DK	
	Did your household request any loan over the past 12 months?	0 = no 1 = yes	-66 = NR -99 = DK	
	Was your household denied any of the loans? [Question relevant when 0=1]	0 = no 1 = yes	-66 = NR -99 = DK	
	What was the main reason for the loan being denied? [Question relevant when 0=1]	1=Insufficient income 2=Insufficient collateral 3=Problems related to debt history 4=Unclear purpose	5=No money available -66=-66 (refuse to answer) -99=-99 (don't know)	
	How many loans did your household receive successfully over the last 12 months? [Question relevant when 0=1]	number		
m3_note1	Tell the respondent you are now going to ask more detailed questions about these loans. If there are more than 3 loans in total, ask respondent to identify the 3 largest loans and answer the following questions about those 3.	*note*		

Section below is repeated for up to three loans. Section relevant when 0=yes.

Loan	M3_9	M3_10		M3_12	M3_13	M3_14
	From where did you take this loan?	When was this loan taken? Month and year -99= don't know		Which household member was the main recipient of the loan? MID	Was collateral required to secure the loan? 0 = no 1 = yes -66=NR -99=DK	What was the collateral required to secure the loan? [Question relevant when **Error! Reference source not found.**=yes]
1						
2						
3						
	1=Commercial Bank 2=MFI 3=VSLA / Susu 4=Shopkeeper / Trader 5=Land Owner	6=Friends or Family 7=Group Members -66=NR -99=DK	1=Largest bank account (Account 1) 2=Second-largest bank account (Account 2) 3=Third-largest bank account (Account 3) 4=Other individual account	5=Other joint account 6=None -66=NR -99=DK	1=Land 2=Livestock 3=Household Assets — 4=Warehouse receipts 5=Machines & equipment	6=HH / individual savings 7=Group Savings -66 =NR -99= DK

Loan	M3_15	M3_16	M3_17	M3_18	M3_19

	What is the purpose for which the loan was taken?	What was the total amount borrowed? 1 = LD 2 = USD -66 = NR -99 = DK		What is the interest rate on the loan?	What is the length of repayment of the loan? 1 = days, 2 = weeks, 3 = months, 4 = years	How much have you repaid on this loan over the last 12 months? (in LD: include amount borrowed, interest and payment in kind) 1 = LD 2 = USD -66 = NR -99 = DK	
		Num	Unit			Num	Unit
1							
2							
3							
	1=Agricultural equipment 4=Pesticides / Insecticides 2=Seeds 5=Land 3=Fertilizers 6=Livestock	7=House 8=Vehicle 9=Education 10=Medical Reasons		11=Marriage 12=Business expansion 13=Repayment of loan	14=Retirement/old age 15=Migration 16=To access loans	17=For future problems -66=NR -99=DK	

Food Security Section Respondent/Consent

fs_resp: Enumerator: For the following sections, the respondent must be an adult female in the household

Section FS-1: Dietary Diversity

fs1_note1: Enumerator Instructions: For each meal, ask the respondent to describe the foods (meals and snacks) she ate or drank yesterday during the day and night. Start with the first food or drink of the morning. Write down all foods and drinks mentioned. When composite dishes are mentioned, ask for the list of ingredients. When the respondent has finished, please probe for meals and snacks not mentioned. Write 'none' if the respondent ate nothing for that meal or snack.

Number	Question	Code

fs1_1	Breakfast	Text
fs1_2	Snack 1	Text
fs1_3	Lunch	Text
fs1_4	Snack 2	Text
fs1_5	Dinner	Text
fs1_6	Snack 3	Text

fs1_note2: When the respondent has recalled all meals, please continue. For each meal, mark a food group, if any item belonging to the food group appears in the text describing what was eaten. After finishing, probe: for any food groups not mentioned, ask the respondent if any food item from this food group was consumed. Be sure to use examples

Number	Question	Code
fs1_7	Breakfast	*Food group listing*
fs1_8	Snack 1	*Food group listing*
fs1_9	Lunch	*Food group listing*
fs1_10	Snack 2	*Food group listing*
fs1_11	Dinner	*Food group listing*
fs1_12	Snack 3	*Food group listing*

Section FS-2: Global Food Insecurity Experience Scale- Individually Referenced (including Liberian English translation)

Note: This is the 12 month recall period. Alternatively, this could the 30 day recall period or both.

Global Food Insecurity Experience Scale / Now I would like to ask you some questions about food.During the last 12 months, was there a time when:

Now I won ask you abut foo only. In the pas 12 mon, da was time wen

fs2_1. You were worried you would not have enough food to eat because of a lack of money or other resources	You wor worray da you will geh enuff foo becau you na geh money or oller ting	0 No 1 Yes 98 Don't Know 99 Refused
fs2_2. Still thinking about the last 12 months, was there a time when you were unable to eat healthy and nutritious food because of a lack of money or other resources	With the last 12 months still in yor heart, you can remember anytime wen you wor na able to eat good foo becor dere wor no money	0 No 1 Yes 98 Don't Know 99 Refused
fs2_3. You ate only a few kinds of foods because of a lack of money or other resources?	You ea only smau foo them dere wor no money	0 No 1 Yes 98 Don't Know 99 Refused

fs2_4. You had to skip a meal because there was not enough money or other resources to get food?	You jump owor eating becor dere wor no money for you to geh foo	0 No 1 Yes 98 Don't Know 99 Refused
fs2_5. Still thinking about the last 12 months, was there a time when you ate less than you thought you should because of a lack of money or other resources?	With the last 12 months still in yor heart, you can remember anytime, da wor time wen you eat less den you suppo to eat becor dere wor no money	0 No 1 Yes 98 Don't Know 99 Refused
fs2_6. Your household ran out of food because of a lack of money or other resources?	Dere wor no food in yor hors becor dere wor no money	0 No 1 Yes 98 Don't Know 99 Refused
fs2_7. You were hungry but did not eat because there was not enough money or other resources for food?	You wor hungray but you ain't ea becor the money wor too smau for foo	0 No 1 Yes 98 Don't Know 99 Refused
If code 1 in fs2_7, Continue; otherwise skip to fs2_8		
fs2_7a. During the last 12 months, how often did it happen that you were hungry but did not eat because there was not enough money or other resources for food? Did this happen only once or twice, in some months but not every month, or almost every month?	In the pas 12 mon, how mon time you wor hungray but you ain't ea becor the money wor smau for foo? It happen one time or two time, in some mon but na every mon, or ormo every mon?	__Never happened __Only once or twice __In some months but not every month __Almost every month __(DK) __(Refused)
fs2_8. You went without eating for a whole day because of a lack of money or other resources?	In the pas 12 mon, da wor time wen whole day you na eat becus you na geh mone to buy food or use sometin to get food	0 No 1 Yes 98 Don't Know 99 Refused
If code 1 in fs2_8, Continue; otherwise skip fs2_8a		
fs2_8a. In the last 12 months, how often did it happen that you went without eating for a whole day because of a lack of money or other resources? Did this happen only once or twice, in some months but not every month, or almost every month?	In the pas 12 mon, how mon time you ain't ea natting the whole day becor dere wor no money? It happen only one time or two time, in some mon but na every mon, or ormo every mon?	__Never happened __Only once or twice __In some months but not every month __Almost every month __(DK) __(Refused)

Section N-1: Ebola Incidence

Number	Question	Code	
	During the past 3 and a half years (2014 to now), did anyone in this community have Ebola?	0 = no 1 = yes	-66=refuse to answer -99= don't know
	What proportions of the households in this community have been affected by Ebola during the past 3 and a half years? [relevant when 0 = 1]	number (%), -99=don't know	
	What proportion of the households in this community were affected by Ebola during the past 12 months (1 year)? [relevant when 0 = 1]	number (%),-99=don't know	

Questionnaire Ending

End_note; Enumerator: You have reached the end of the survey. Please be sure to swipe to the very end of the survey before you leave the HH. Please thank the respondent for their time and then swipe to write your notes. (Make sure to swipe to finish in full.)

Final_notes; Enumerator: Please write here any notes or comments. Swipe one more time to finish the survey, please!

COMMENTS:

Material lists – SAPEC baseline

	Food groups list
1	CEREALS [Corn/maize, Rice, Wheat, Sorghum, Millet or any other grains or foods made from these (e.g. Ugali, Bread, Noodles, Porridge or other grain products)]
2	WHITE ROOTS AND TUBERS [White CASSAVA Irish Potatoes, White Yam, , or other foods made from roots]
3	YELLOW/ ORANGE VEGETABLES AND TUBERS [Pumpkin, Carrot, Squash, or Sweet Potato that are orange inside + other locally available vitamin A rich vegetables (e.g. Red Sweet Pepper)]
4	DARK GREEN LEAFY VEGETABLES [Dark green leafy vegetables, including wild forms + locally available vitamin A rich leaves such as Amaranth, Cassava leaves, Kale, Spinach]
5	OTHER VEGETABLES [Other vegetables (e.g. Tomato, Onion, Eggplant, Green beans) + other local vegetables that cannot be classified as above]
6	VITAMIN A RICH FRUITS [Ripe Mango, Cantaloupe, Apricot (fresh or dried), Ripe papaya, Dried Peach, Bananas and 100% fruit juice from these + other locally available Vitamin A rich fruits]
7	OTHER FRUITS [Other fruits, including wild fruits and 100% fruit juice made from these]
8	ORGAN MEAT [Liver, Kidney, heart or other organ meats or blood-based foods]
9	FLESH MEAT [Beef, Pork, Lamb, Goat, Rabbit, Game, Chicken, Duck, Other birds, Insects]
10	EGGS [Eggs from Chicken, Duck, Guinea fowl or any other egg]
11	FISH [Fresh or dried fish]
12	LEGUMES, NUTS AND SEEDS [Dried Beans, Dried Peas, Lentils, Nuts, Seeds or foods made from these (eg. Peanut butter)]
13	MILK AND MILK PRODUCTS [Milk, Cheese, Yogurt or other milk products]
14	OILS AND FATS [Oil, Fats or Butter added to food or used for cooking]
15	SWEETS [Sugar, Honey, Sweetened soda or sweetened juice drinks, Sugary foods such as Chocolates, Candies, Cookies and Cakes]
16	SPICES, CONDIMENTS AND BEVERAGES [Spices (Black Pepper, Salt), Condiments (Soy Sauce, Hot Sauce), Coffee, Tea, Alcoholic beverage]
17	NONE

Crops list (other than RICE and CASSAVA)					
3	Avocado	20	Groundpea / Ground nuts / Peanuts	39	Soybeans
4	Banana	21	Guava	40	Spinach
5	Bitter Ball (Garden Egg)	22	Pepper /hot pepper (not chillies)	41	Sugar Cane
6	Bitter Root	23	Irish Potatoes	43	Sweet Pepper
7	Cabbage	24	Lemon	44	Sweet Potato
8	Carrots	25	Lettuce	45	Tomato
9	Cauliflower	26	Mandarine	46	Watermelon
10	Chillies (not regular hot pepper)	27	Mango	47	Yam
11	Coffee	28	Millet		
42	Corn/ Maize	29	Onion	-66	(No answer)
12	Collard Greens	30	Orange	-99	(Don't know)
13	Cucumber	31	Papaya	-88	Other
14	Dry Beans	32	Passion Fruit		
48	Eddoe / taro	33	Peas		
15	Eggplant	34	Pineapple		
16	Elephant Grass	35 / 49	Plato/Okra Plantain		
17	Garlic	36	Potato Greens		
18	Ginger	37	Pumpkin		
19	Green Beans	38	Sorghum		