AGRICULTURAL TRACKING SURVEY (ATS)
HOUSEHOLD MODULE (HH)

Cover Page

Location Information

1.	District Name:	2.	Supervisor: enter District Code: |___|___|
3.	Chiefdom Name:	4.	Supervisor: enter Chiefdom Code: |___|___|___|___|
5.	Section Name:	6.	Supervisor: enter Section Code: |___|___|
7.	EA Code: |___|___|___|___|___|___|___|___|___|		
8.	Village Name:	9.	Supervisor: enter Locality Code: |___|

Enumerator Information

10.	Enumerator Name:		11.	Enumerator ID: |___|___|___|
12.	Supervisor Name:		13.	Supervisor ID: |___|___|___|

14.	Enumerator: record Date of Interview (DD/MM/YYYY)	|___|___| / |___|___| / |___|___|___|___|

Target Household Information

15. Household ID	|___|___|___|___|___|
16. Name of H/H Head:	
17. Gender of H/H Head:	
18. Address / Description of Location:	
19. H/H Size:	
20. H/H Contact Telephone# (if any):	
21. Main H/H Language:	

Interview Information

22. Number of Labor Farms	

Data Processing Information

Serial Number

|_____|_____|_____|_____|_____|

DE1	Data Entry 1: Operator Name		DE2	Operator ID: |___|___|
DE3	Data Entry 1: Date Entered (DD/MM/YYYY)	|___|___| / |___|___| / |___|___|___|___|		

DE4	Data Entry 2: Operator Name		DE5	Operator ID: |___|___|
DE6	Data Entry 2: Date Entered (DD/MM/YYYY)	|___|___| / |___|___| / |___|___|___|___|		

Section A: Target Household Identification & Informed Consent

Target Household Identification

A1.	**Enumerator:** Are you able to locate the Target Household?	1 = yes >> Informed Consent 2 = no	|___|
A2.	**Enumerator:** If no, why not?	1 = Target Household has moved permanently 2 = Target Household has moved temporarily/seasonally 3 = all members of Target Household have traveled 4 = all members of Target Household are dead 5 = cannot find anyone in this locality who fits the Target Household description 9 = other (specify): _____	|___|

ENUMERATOR: ask to interview the head of the target household and any other members of the household who are involved with agriculture in the household. If different household members are responsible for different parts of the household's agricultural production, ask that all of these different members be called to participate in the survey.

Informed Consent

ENUMERATOR: INTRODUCE YOURSELF AND THE PURPOSE OF THE SURVEY TO THE RESPONDENT(S).
BE SURE TO COVER ALL POINTS LISTED BELOW.

- I am (*name*), and I am working for Statistics Sierra Leone.
- The government has asked us to collect important information about agricultural production all across Sierra Leone.
- The survey will include detailed questions about your family, how much land you farm, what crops you grow, how much you have produced in the past 12 months, and any problems you have had on your farm.
- The interview will last between 2 and 3 hours.
- All answers will be kept anonymous.
- Your participation will have no direct effect on the amount of assistance given to you, to your household, or to your village.
- Participation is voluntary and we will not force you to answer any question.
- If you wish to end the interview at any time, you may do so.
- If you have any questions, or if any problems arise, please contact your Local Authorities.

A3. Will you agree to allow me to ask these questions, and participate in the survey?	1 = yes >> A5 2 = no	|___|

ENUMERATOR: CONTINUE WITH THE INTERVIEW ONLY IF THE RESPONDENT(S) GIVES THEIR CONSENT. OTHERWISE, INDICATE WHY THE RESPONDENT(S) REFUSED THE INTERVIEW BELOW AND CONTINUE TO THE NEXT HOUSEHOLD.

A4.	Enumerator: If refused, what is the main reason?	1 = no time / too busy 2 = privacy concerns 3 = other (specify): (_____)	|___|

A5. Enumerator: record Start Time of Interview (24 Hour Clock)	|___|___| : |___|___|

Section B - Household Information

B1: Household Roster

ENUMERATOR: fill in the table below for each member of the HH over the age of 4 (so 5 years or more). Start with the HH Head in the first row.

ID	**a)** Name	**b)** What is [NAME]'s age?	**c)** Sex	**d)** What is [NAME]'s relation *to* the head of the household?	**e)** What is the highest class or other form of education [NAME] has completed?	**f)** What has been [NAME]'s main economic activity in the past 12 months?
		(write age in years or best guess if unknown)	*1 = male 2 = female*	*use RELATIONSHIP code*	*Use EDUCATION code*	*Use OCCUPATION code*
01	***Head of HH:***		|___|	|___|___|	|___|___|	|___|___|
02			|___|	|___|___|	|___|___|	|___|___|
03			|___|	|___|___|	|___|___|	|___|___|
04			|___|	|___|___|	|___|___|	|___|___|
05			|___|	|___|___|	|___|___|	|___|___|
06			|___|	|___|___|	|___|___|	|___|___|
07			|___|	|___|___|	|___|___|	|___|___|
08			|___|	|___|___|	|___|___|	|___|___|
09			|___|	|___|___|	|___|___|	|___|___|
10			|___|	|___|___|	|___|___|	|___|___|
11			|___|	|___|___|	|___|___|	|___|___|
12			|___|	|___|___|	|___|___|	|___|___|
13			|___|	|___|___|	|___|___|	|___|___|
14			|___|	|___|___|	|___|___|	|___|___|
15			|___|	|___|___|	|___|___|	|___|___|
16			|___|	|___|___|	|___|___|	|___|___|
17			|___|	|___|___|	|___|___|	|___|___|
18			|___|	|___|___|	|___|___|	|___|___|
19			|___|	|___|___|	|___|___|	|___|___|
20			|___|	|___|___|	|___|___|	|___|___|
21			|___|	|___|___|	|___|___|	|___|___|
22			|___|	|___|___|	|___|___|	|___|___|
23			|___|	|___|___|	|___|___|	|___|___|
24			|___|	|___|___|	|___|___|	|___|___|
25			|___|	|___|___|	|___|___|	|___|___|
26			|___|	|___|___|	|___|___|	|___|___|
27			|___|	|___|___|	|___|___|	|___|___|
28			|___|	|___|___|	|___|___|	|___|___|
29			|___|	|___|___|	|___|___|	|___|___|
30			|___|	|___|___|	|___|___|	|___|___|

B2.	How many children under the age of 5 (so 4 years or less) are members of this household?	|___|___|

B3.	**Enumerator:** How many people are members of this household? This number should match the number of rows filled above plus the number of children under 5. Check this number against H/H Size on the cover page.	|___|___|

B4.	What is the religion of the head of household?	*(use RELIGION codes)*	|___|___|
B5.	What is the ethnicity of the head of household?	*(use ETHNICITY/LANGUAGE codes)*	|___|___|
B7.	What is the current marital status of the head of household?	*(use MARITAL STATUS codes)*	|___|
B8.	In the past 12 months, what has been the main source of income for this household?	*(use OCCUPATION / INCOME codes)*	|___|___|

B9	Is this locality the home town/village of the household head?	*1 = yes* >> *B10* *2 = no*	|___|
B9a	If no, where is the home village of the household head? (Town/Village name)		
	B9a1. Country of home village:	***1** = Sierra Leone; **2** = Guinea; **3** = Liberia; **4** = Other (specify):* _____	|___|
	B9a2. District, Chiefdom of home village:		Supervisor: Chiefdom Code: |___|___|___|___|

B10. Contact Information
ENUMERATOR: ask for the name of a friend or family member who will be sure to know where the Target Household can be found / contacted in case they no longer live at this address in the future.
The contact should <u>not</u> be a husband, wife, child or other person who may move along with the target household.
The contact should be a friend or family member who would stay in their current place even if the target household moves away.

B10a.	Name of Contact		
B10b.	HH Member with closest relationship to Contact	*use ID from HH Roster*	|___|___|
B10c.	Relationship of Contact *<u>to</u>* [HH Member in **B10b**]	*use RELATIONSHIP code*	|___|___|
B10d.	Does the Contact live in this locality?	*1 = yes* >> *B10f* *2 = no*	|___|
B10e.	If no, where can the Contact be found? (Village/Town name) **Enumerator:** For large towns, also specify neighborhood/area		
	B10e1. Country of Contact Location:	***1** = Sierra Leone; **2** = Guinea; **3** = Liberia; **4** = Other (specify):* _____	|___|
	B10e2. District, Chiefdom of Contact Location::		Supervisor: Chiefdom Code: |___|___|___|___|
B10f	Detailed Address/Description of the Location of Contact's Home		
B10g	Does Contact have a Phone #?	1 = yes 2 = no >> B11 9 = don't know >> B11	|___|
	B10g1. Phone # of Contact	|___|___|___| - |___|___|___|___|___|___|	

B11.	**Enumerator:** Is any member of this household involved with agriculture?	1 = yes 2 = no >> R6	|___|

Section C: Crop Inventory

ENUMERATOR: prompt for each of the crops, and include all crops cultivated by the household.

	Crop Name	A. Have you cultivated […] in the past 12 months?	B. Have you harvested […] in the past 12 months?	C. What proportion of the household's total harvest of […] from the last 12 months has been sold?	D. What is the total revenue from all sales of […] in the past 12 months?
		1=yes 2=no >> next row 9=respondent does not recognize crop >> next row	1=yes 2=no >> next row	1=none >> next row 2=small amount 3=approx. half 4=most 5=all	
Cereals					
01	Rice	|___|			
02	Maize / Corn	|___|	|___|	|___|	Le
03	Millet / Fundi	|___|	|___|	|___|	Le
04	Sorghum / Kuskus	|___|	|___|	|___|	Le
05	Other cereal, specify: (_____)	|___|	|___|	|___|	Le
Tubers					
06	Cassava	|___|			
07	Sweet potato	|___|	|___|	|___|	Le
08	Yam	|___|	|___|	|___|	Le
09	Cocoyam	|___|	|___|	|___|	Le
10	Chinese Yam	|___|	|___|	|___|	Le
11	Other tuber, specify: (_____)	|___|	|___|	|___|	Le
Beans / Legumes					
12	Groundnut	|___|			
13	Black eye beans	|___|	|___|	|___|	Le
14	Kunsho / Pigeon Peas	|___|	|___|	|___|	Le
15	Broad beans	|___|	|___|	|___|	Le
16	Runner beans	|___|	|___|	|___|	Le
17	Other beans, specify: (_____)	|___|	|___|	|___|	Le
Vegetables					
18	Pepper	|___|	|___|	|___|	Le
19	Cucumber	|___|	|___|	|___|	Le
20	Garden eggs	|___|	|___|	|___|	Le
21	Okra	|___|	|___|	|___|	Le
22	Tomatoes	|___|	|___|	|___|	Le
23	Onions	|___|	|___|	|___|	Le
24	Jackatoe	|___|	|___|	|___|	Le
25	Carrot	|___|	|___|	|___|	Le
26	Water melon	|___|	|___|	|___|	Le
27	Pumpkin	|___|	|___|	|___|	Le
28	Garlic	|___|	|___|	|___|	Le
29	Ogusi	|___|	|___|	|___|	Le
30	Lettuce	|___|	|___|	|___|	Le
31	Cabbage	|___|	|___|	|___|	Le
32	Cassava leaves	|___|	|___|	|___|	Le
33	Potato leaves	|___|	|___|	|___|	Le
34	Crain crain	|___|	|___|	|___|	Le
35	Sorrel / Sawa Sawa	|___|	|___|	|___|	Le
36	Other vegetable 1, specify: (_____)	|___|	|___|	|___|	Le
37	Other vegetable 2, specify: (_____)	|___|	|___|	|___|	Le
E1.	**Enumerator: IF respondent does not know revenue by individual vegetable crops**, record total revenue from all vegetables in past 12 months here:				Le

ENUMERATOR: prompt for each of the crops, and include all crops cultivated by the household.

	Crop Name	A. Have you cultivated […] in the past 12 months?	B. Have you harvested […] in the past 12 months?	C. What proportion of the household's total harvest of […] from the last 12 months has been sold?	D. What is the total revenue from all sales of […] in the past 12 months?
		1=yes 2=no >> next row 9=respondent does not recognize crop >> next row	1=yes 2=no >> next row	1=none >> next row 2=small amount 3=approx. half 4=most 5=all	
Other crops					
40	Bennie	|___|	|___|	|___|	Le
41	Pineapple	|___|	|___|	|___|	Le
42	Ginger	|___|	|___|	|___|	Le
43	Tobacco	|___|	|___|	|___|	Le
44	Sugar cane	|___|	|___|	|___|	Le
45	Cotton	|___|	|___|	|___|	Le
46	Other crop, specify: **Enumerator:** Do not include tree crops here. (_____)	|___|	|___|	|___|	Le
Tree Crops					
50	Coffee	|___|			
51	Cacao	|___|			
52	Oil Palm	|___|			
53	Cashew	|___|	|___|	|___|	Le
54	Kola Nut	|___|	|___|	|___|	Le
55	Jatropha / Fig nut	|___|	|___|	|___|	Le
56	Rubber	|___|	|___|	|___|	Le
60	Mango	|___|	|___|	|___|	Le
61	Orange	|___|	|___|	|___|	Le
62	Banana	|___|	|___|	|___|	Le
63	Plantain	|___|	|___|	|___|	Le
64	Coconut	|___|	|___|	|___|	Le
65	Guava	|___|	|___|	|___|	Le
66	Pawpaw	|___|	|___|	|___|	Le
67	Avocado / Pear	|___|	|___|	|___|	Le
68	Lime	|___|	|___|	|___|	Le
69	Lemon	|___|	|___|	|___|	Le
70	Grapefruit	|___|	|___|	|___|	Le
71	Other cash tree crop, specify: (_____)	|___|	|___|	|___|	Le
72	Other fruit tree 1, specify: (_____)	|___|	|___|	|___|	Le
73	Other fruit tree 2, specify: (_____)	|___|	|___|	|___|	Le

Section D: Farm Characteristics and Ownership

D1. FARM PICTURE (FOR DETAILED GUIDANCE PLEASE REFER TO THE MANUAL)

Use the laminated sheet, marker and have a tissue/napkin handy. Make the respondent(s) aware that they will be trying a new and interesting exercise. After demonstrating how they can easily delete anything drawn using the tissue, hand them the marker and ask them to draw all of their farms. All we need is a very basic representation of all the farms the household has cultivated in the past 12 months and ideally, but not essentially, their relative sizes. Note that the farm picture is not a map and should not represent farm locations and routes to them.

Once the interviewee has produced a representation of all the hh farms (double check that the farm picture is complete), you should:

- Enter into these circles the names (and preferably some pictures) of the main crops cultivated on each farm (be sure to include ats core crops if grown).
- Erase farms that do not contain one of the 8 ats core crops (rice, cassava, sweet potato, groundnut, maize, cacao, coffee, oil palm)
- Clearly number the farms that contain at least one of the 8 core crops. As you give each farm a number (entering it into the circle), speak out the farm number, and make sure that the interviewee is following along.
- Begin the farm data collection, but keep the map because you will use it for the rest of the survey

D2. Farm Characteristics: for each numbered farm (which should contain at least one of the 8 core crops) record the details of the farm below.
EMUMERATOR: you might find it is faster to **go down the columns of the table**. For each question cycle through all farms.

Farm ID	D2a	D2b	D2c	D2d		D2e	D2f	D2g
	Ecology (Use ECOLOGY codes)	**Main Crops Cultivated in Past 12 Months** **Enumerator:** specify up to 3 using CROP codes. Use "88" for multiple vegetables.	**HH member responsible for farm** (USE ID from HH roster)	**Size of farm** **Enumerator:** if respondent is unsure about acreage, prompt for the equivalent amount of rice seed that can be potentially planted on farm area Qty	Land Unit Code	**Time to walk from dwelling to farm**	**Form of irrigation** 1=none (rain only) 2=hand-watering 3=canals/sluices 4=pump/mechanized	**In the past 12 months, how many crop cycles have there been on this farm?** (0 if only permanent crops)
Farm 1	|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|	|___|hr |___|___| mins	|___|	|___|
Farm 2	|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|	|___|hr |___|___| mins	|___|	|___|
Farm 3	|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|	|___|hr |___|___| mins	|___|	|___|
Farm 4	|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|	|___|hr |___|___| mins	|___|	|___|
Farm 5	|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|	|___|hr |___|___| mins	|___|	|___|
Farm 6	|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|	|___|hr |___|___| mins	|___|	|___|
Farm 7	|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|	|___|hr |___|___| mins	|___|	|___|
Farm 8	|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|	|___|hr |___|___| mins	|___|	|___|
Farm 9	|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|	|___|hr |___|___| mins	|___|	|___|

B8.	**Enumerator:** Does this HH cultivate more than 9 farms with core ATS crops? If yes, record additional farms on reverse of page.	1 = yes (record additional farms on reverse) 2 = no	|___|

D3: FARM OWNERSHIP

By Farm ID (Use Farm Picture)

D3a	D3b	D3c	D3d	D3e	D3f	D3g	D3h
Farm ID.	Does your HH have the right to sell this land?	Did your HH ever have to get permission from anyone to farm this land?	From whom did your HH get permission?	Did your HH give/pay anything to work on this farm during the past 12 months?	What was the payment arrangement for the past 12 months?	How much did you pay in cash during the past 12 months?	What is the estimated value of your in-kind payments during the past 12 months?
	1 = yes >> next row 2 = no	1 = yes 2 = no >> next row	1= family member 2= chief or other traditional authority 3 = other individual 4= government 9=other (specify) _____	1= yes 2=no >> next row	1=fixed amount cash only 2=fixed amount in kind only 3=fixed amount in cash and in kind 4=share cropped (% of harvest) 5 = unspecified payment after harvest (give small thing) 6=other (specify) _____		
1	|____|	|____|	|____|	|____|	|____|	Le	Le
2	|____|	|____|	|____|	|____|	|____|	Le	Le
3	|____|	|____|	|____|	|____|	|____|	Le	Le
4	|____|	|____|	|____|	|____|	|____|	Le	Le
5	|____|	|____|	|____|	|____|	|____|	Le	Le
6	|____|	|____|	|____|	|____|	|____|	Le	Le
7	|____|	|____|	|____|	|____|	|____|	Le	Le
8	|____|	|____|	|____|	|____|	|____|	Le	Le
9	|____|	|____|	|____|	|____|	|____|	Le	Le

SECTION E: FARM INPUTS AND MACHINERY

E1	In the past 12 months, did you use any inputs (fertilizers, pesticides, other chemical inputs, manure or other organic matter) on <u>any of the 8 core crops</u> you have cultivated?	1 = yes 2 = no >> E2	|___|

ENUMERATOR: list the following information about each different type of input you have used over the past 12 months. *Only include farms and crop cycles where/when any of the 8 core crops were grown.* If different brands of the same type of input (e.g. 2 different brands of fertilizer) are used at the same time, or if the same input is used multiple times in the past 12 months, record these in separate rows.

E1a	E1b	E1c	E1d	E1e	E1f	E1g	E1h	E1i	E1j	E1k
Farm ID	Input Type	Core Crop(s) on Which Input Used	Month of application	Qty used	Unit	Input Source	Paid for input or received free?	Payment type	Price per unit (excluding Transport cost)	<u>Total</u> transport cost to farm gate paid by you
	Use INPUT TYPE Code	USE CROP Code(s) **Enumerator**: Specify up to 3 <u>Core Crops</u>. Use 00 if all crops on farm	MM		Use UNIT Code	Use SOURCE Code	1 = Paid for 2 = Free >> next row	Use PAYMENT TYPE code		
|___|	|___|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|___|	|___|	|___|	|___|	Le	Le
|___|	|___|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|___|	|___|	|___|	|___|	Le	Le
|___|	|___|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|___|	|___|	|___|	|___|	Le	Le
|___|	|___|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|___|	|___|	|___|	|___|	Le	Le
|___|	|___|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|___|	|___|	|___|	|___|	Le	Le
|___|	|___|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|___|	|___|	|___|	|___|	Le	Le
|___|	|___|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|___|	|___|	|___|	|___|	Le	Le
|___|	|___|___|	|___|___| ; |___|___| ; |___|___|	|___|___|		|___|___|	|___|	|___|	|___|	Le	Le

E2	In the past 12 months, did you use any inputs (fertilizers, pesticides, other chemical inputs, manure or other organic matter) on <u>any of the other crops</u> (not the 8 core crops) that you have cultivated?	1 = yes 2 = no	|___|

E3	Did you use any animal traction or machinery on any of your farms in the past 12 months?	1 = yes 2 = no >> F1	|___|

ENUMERATOR: list the following information about each different type of animal traction or machinery you have used *on your farm* over the past 12 months. If the same machinery was used for different planting sessions in the past 12 months, record each time in separate rows.

E3a	E3b	E3c	E3d	E3e	E3f	E3g
Farm ID	Traction / Machine Type	Month used	Who owns this machine?	Did you pay to use this machine?	How did you pay?	Total Rental Cost (incl Fuel)
	use MACHINE codes	MM	Use Ownership code If 1, >> next row	1 = yes 2 = no >> next row	use PAYMENT TYPE code	(estimate value if in kind)
|___|	|___|	|___|___|	|___|	|___|	|___|	Le
|___|	|___|	|___|___|	|___|	|___|	|___|	Le
|___|	|___|	|___|___|	|___|	|___|	|___|	Le
|___|	|___|	|___|___|	|___|	|___|	|___|	Le
|___|	|___|	|___|___|	|___|	|___|	|___|	Le
|___|	|___|	|___|___|	|___|	|___|	|___|	Le
|___|	|___|	|___|___|	|___|	|___|	|___|	Le
|___|	|___|	|___|___|	|___|	|___|	|___|	Le
|___|	|___|	|___|___|	|___|	|___|	|___|	Le

SECTION F: Rice

F1	Did this household cultivate any rice in the past 12 months? **Enumerator**: Check against crop inventory	1 = yes 2 = no >> G1	|___|

F2 (Production -- Planting): ***By Farm, Month when Crop Cycle Began***

ENUMERATOR: List all farms where rice was cultivated in the past 12 months. Cross check against the farm inventory to make sure that **all** rice farms are included.

Include any crop cycles begun during the past 12 months; if there was more than one crop cycle for any farm, record each crop cycle separately.

Fill by row: answer questions F2a-F2m for each farm and then move to next farm.

F2a	F2b	F2c1	F2c2	F2d	F2e	F2f	F2g	F2h	F2i	F2j	F2k	F2l	F2m	
Farm ID	Month when planting began	Total Amt of Seed Used		Cropping Practice	Main Planting Type	Main variety planted (specify 1)	More than 1 variety planted?	Any NERICA planted?	Primary Source of Seed				Secondary source of seed	
		Qty	Unit						Source	Paid for seed or got for free?	Payment type	Cost per Unit **Enumerator:** Include the estimated value of any in kind payment per unit of seed		
	MM		Use UNIT Code	1 = sole cropping 2 = mixed cropping	1=Broadcasting 2=Nursing/ Transplanting 3=Line Sowing		1 = yes 2 = no	1 = yes 2 = no	Use SOURCE code	1= Paid for Seed 2=Free >> F2m	Use PAYMENT TYPE code	(same unit as F2c2)	Use SOURCE code (0 If none)	
|___|	|___|___|		|___|___|	|___|	|___|		|___|	|___|	|___|	|___|	|___|	Le	|___|	…
|___|	|___|___|		|___|___|	|___|	|___|		|___|	|___|	|___|	|___|	|___|	Le	|___|	…
|___|	|___|___|		|___|___|	|___|	|___|		|___|	|___|	|___|	|___|	|___|	Le	|___|	…
|___|	|___|___|		|___|___|	|___|	|___|		|___|	|___|	|___|	|___|	|___|	Le	|___|	…
|___|	|___|___|		|___|___|	|___|	|___|		|___|	|___|	|___|	|___|	|___|	Le	|___|	…
|___|	|___|___|		|___|___|	|___|	|___|		|___|	|___|	|___|	|___|	|___|	Le	|___|	…
|___|	|___|___|		|___|___|	|___|	|___|		|___|	|___|	|___|	|___|	|___|	Le	|___|	…
|___|	|___|___|		|___|___|	|___|	|___|		|___|	|___|	|___|	|___|	|___|	Le	|___|	…
|___|	|___|___|		|___|___|	|___|	|___|		|___|	|___|	|___|	|___|	|___|	Le	|___|	…

Section F: Rice (cont'd)

F2 (Production -- Harvesting): ***By Farm, Month when Crop Cycle Began***
ENUMERATOR: Start by listing all Farm ID's included in the (Production – Planting) Table above. All farms where rice was cultivated must be included in both tables.

	F2a2	F2n	F2o	F2p1		F2p2		F2p3		F2q1	F2q2
	Farm ID	Harvest Status	Main Harvest Month	Total Quantity Harvested **Enumerator: AVOID DOUBLE COUNTING**						Description of Harvest Quantities	
				Unthreshed State		Threshed State		Clean State		Is there other rice that was used at the farm?	Is there other rice that was consumed after transport from the farm?
				Qty	Unit	Qty	Unit	Qty	Unit		
		1 = Harvest Completed 2 = Harvest In Progress 3 = Not (Yet) Harvested >> next row	MM		Use UNIT Codes		Use UNIT Codes		Use UNIT Codes	1=Yes 2=No	1=Yes 2=No
...	|___|	|___|	|___|___|		|___|___|		|___|___|		|___|___|	|___|	|___|
...	|___|	|___|	|___|___|		|___|___|		|___|___|		|___|___|	|___|	|___|
...	|___|	|___|	|___|___|		|___|___|		|___|___|		|___|___|	|___|	|___|
...	|___|	|___|	|___|___|		|___|___|		|___|___|		|___|___|	|___|	|___|
...	|___|	|___|	|___|___|		|___|___|		|___|___|		|___|___|	|___|	|___|
...	|___|	|___|	|___|___|		|___|___|		|___|___|		|___|___|	|___|	|___|
...	|___|	|___|	|___|___|		|___|___|		|___|___|		|___|___|	|___|	|___|
...	|___|	|___|	|___|___|		|___|___|		|___|___|		|___|___|	|___|	|___|
...	|___|	|___|	|___|___|		|___|___|		|___|___|		|___|___|	|___|	|___|
...	|___|	|___|	|___|___|		|___|___|		|___|___|		|___|___|	|___|	|___|

Section F: Rice (cont'd)

F3	Have you used any **machinery** to mill **any** of the rice you harvested in the past 12 months?	1 = yes 2 = no >> F4	|___|

		Qty	Unit (use UNIT code)
F3a1	In total, how much threshed rice did you mill using machinery? (99 = don't know. Must record answer to F3a2)		|___|___|
F3a2	In total, how much clean rice did you receive back from milling? (99 = don't know. Must record answer to F3a1)		|___|___|

F3: Processing.

ENUMERATOR: ask the following questions about the milling machine used by the respondent. If more than one machine used, record information about the machine that was used most.

F3b	F3c				F3d	F3e	F3f	F3g	F3h		
Of all the rice you milled *using machinery*, how much did you mill using this machine?	Using this machine, how many [units] of threshed rice make how many [units] of clean rice?				Is this machine portable?	Who owns this machine?	Did you pay anything to use the machine?	How did you pay?	What is the most common amount you paid per unit? (if in kind, estimate value)		
2 = small amount 3 = approx. half 4 = most 5 = all	Threshed		Clean		1 = yes 2 = no	Use OWNERSHIP code If 1, >> F3i	1=yes 2=no >> F3i	1=in cash 2=in kind	Amt	Per Unit Use UNIT Code	State 2 = threshed 3 = clean
	Qty	UNIT code	Qty	UNIT code							
|___|	_____ |___|___|		= _____ |___|___|		|___|	|___|	|___|	|___|	Le	|___|___|	|___|

F3i	F3j	F3k	F3l		F3m	F3n	
When you used this machine, was it located in this community?	Distance of machine from farm gate / residence if 0 >> F4	Did you pay anything to transport your threshed rice to the mill?	How much transport did you pay per unit to the mill?		Did you pay anything to transport your clean rice from the mill?	How much transport did you pay per unit from the mill?	
1=yes >> F4 2=no		1=yes 2=no >> F3m	Amt	Per Unit Use UNIT Code	1=yes 2=no >> F4		Per Unit Use UNIT Code
|___|	miles	|___|	Le	|___|___|	|___|	Le	|___|___|

Section F: Rice (cont'd)

F4. For the total amount of harvest your household produced over the last 12 months, how much ….

ENUMERATOR: work with the respondent to document disposal of all rice harvested in the past 12 months.
Remember: an estimate is ok, a guess is not. If don't know, use "99".

I	II	III	IV	V	VI	VII	VIII	IX
Was already consumed Qty _____ Unit |___|___| State |___|	Was already used for Loan Repayment (include qty sold where cash was used for loan repayment) Qty _____ Unit |___|___| State |___|	Was already Sold Qty _____ Unit |___|___| State |___|	Was already given to People for Helping with Farm Labour Qty _____ Unit |___|___| State |___|	Was already given to Pay for Land Use Qty _____ Unit |___|___| State |___|	Was already used for In Kind Payments Not Related to Land Payment or Labour Payment. (Specify): _____ Qty _____ Unit |___|___| State |___|	Was already given as charitable Gifts to Family and/or Community Members Qty _____ Unit |___|___| State |___|	Was already used to lend to people Qty _____ Unit |___|___| State |___|	Was already used for Any Other Purpose (Specify): _____ Qty _____ Unit |___|___| State |___|

X	XI	XII	XIII	XIV	XV
Is planned to be used for future consumption Qty _____ Unit |___|___| State |___|	Is planned to be used for future sales Qty _____ Unit |___|___| State |___|	Is planned to be used for seed Qty _____ Unit |___|___| State |___|	Is planned to be used to pay for future farm labour (include food for work) Qty _____ Unit |___|___| State |___|	Is planned to be used for any other Purpose (Specify): _____ Qty _____ Unit |___|___| State |___|	Is reserved without a specific plan for use Qty _____ Unit |___|___| State |___|

XVI
Total Amt of Post-Harvest Losses
Specify main cause of losses: |___| 1 = pests (weevils, rats, etc) 2 = rotting 3 = theft 4 = other (specify): _____ Qty _____ Unit |___|___| State |___|

Rice States
1 = unthreshed
2 = threshed
3 = clean

Section F: Rice (cont'd)

F5	**Enumerator:** Has the household sold any of the rice it has produced in the past 12 months?	1 = yes 2 = no >> F6	|___|

F5a: Sales in the Past 12 Months

ENUMERATOR: for each rice state, record total amt sold and details of usual sales by state.

	F5a		F5b	F5c	F5d	F5e	F5f	F5g		F5h
Total Amt Sold (State)	Total Amt Sold in this state		Most common price received per unit in this state	How promptly did you usually receive full payment?	Most important buyer type for rice in this state	PRIMARY Sale Location for rice in this state sold to main buyer type	Distance of PRIMARY sale location from farm gate / residence	Most common amount paid by you per unit for transport of the rice in this state to PRIMARY sale location		SECONDARY Sale Location for rice in this state sold to main buyer type
	Qty If 0 >> next row	Use UNIT code		1 = at time of sale 2 = w/in 1 week of sale 3 = w/in 1 month of sale 4 = after 1 month of sale	Use BUYER Code	Use SALE LOCATION Code If 1, >> F5h	if 0 >> next row	Amount Paid	Per Unit (Use UNIT codes)	Use SALE LOCATION Code 0 if no SECONDARY Location
Unthreshed		|___|___|	Le	|___|	|___|	|___|	miles	Le	|___|___|	|___|
Threshed		|___|___|	Le	|___|	|___|	|___|	miles	Le	|___|___|	|___|
Clean		|___|___|	Le	|___|	|___|	|___|	miles	Le	|___|___|	|___|

F6 Rice Husk Use

F6	In the past 12 months, what has this household done with the husks from its rice production? Enumerator: select all that apply		1 = yes; 2 = no
		1 = discard them	|___|
		2 = use them as organic manure	|___|
		3 = sell them	|___|
		4 = use them as animal feed	|___|
		9 = other (specify): _____	|___|

F7 (Harvest from year before the last)

F7	Did you harvest any rice from the harvest season before the last? **Enumerator:** this refers to the harvest season from Sep 2008 to Feb 2009.	1 = yes 2 = no >> Labour Farm Selection	|___|
F7a	Did you sell any of that rice?	1 = yes 2 = no >> F7c	|___|
F7b	How would you describe the timing of the sales of that rice?	1=Sold all of it in harvest season and none in hungry season 2=Sold most in harvest season and small amt in hungry season 3=Sold roughly half in harvest season and half in hungry season 4=Sold small amt in harvest season and most in hungry season 5=Sold none of it in harvest season and all in hungry season	|___|
F7c	Did you buy any rice from traders or other farmers in order to resell it in hungry season?	1=Yes 2=No	|___|

F8. LABOUR FARM SELECTION WORKSHEET

ENUMERATOR: Refer to the "Number of Labour Farms" on the coversheet.
If for this HH, there is 1 Labour Farm, use the selection procedure for **"1 FARM"** below; if for this HH there are 2 Labour Farms, use the selection procedure for **"2 FARMS"**.

1 FARM

Enumerator: Are there any farms on which rice is cultivated?

1 = yes
2 = no >> G1

|___|

Enumerator:
Is there more than 1 farm on which rice is cultivated?

NO: This is your Labour Farm.
Record the Farm ID here: |___| and >> F9
YES: use the procedure below to identify your Lowland Labour Farm.

Step 1: Record the Farm ID's of all farms where rice is grown in the table below in order of their IDs.

Step 2: Record today's day of the week here: _____

Step 3: Record your selection number here: |___|___|

For Monday, use 13 as your selection number.
For Tuesday, use 15 as your selection number.
For Wednesday, use 12 as your selection number.
For Thursday, use 16 as your selection number.
For Friday, use 11 as your selection number.
For Saturday, use 10 as your selection number.
For Sunday, use 14 as your selection number.

Step 4: Starting with the number 1, count through the Farm ID's listed in Step 1 above.

When you reach the last box in the table with a completed Farm ID, resume counting again with the first box.

Stop when you reach your selection number.

Step 5: Record the Farm ID in the box where you stopped here: |___|
This is your Labour Farm.

Enumerator:
Is the Labour Farm an upland or lowland farm?

1 = upland
2 = lowland >> F10

|___|

2 FARMS

Lowland Farm

Enumerator: Are there any lowland farms on which rice is cultivated?

1 = yes
2 = no
>> Upland Farm Selection

|___|

Enumerator:
Is there more than 1 lowland farm on which rice is cultivated?

NO: This is your Lowland Labour Farm.
Record the Farm ID here: |___| and >> Upland Farm Selection
YES: use the procedure below to identify your Lowland Labour Farm.

Step 1: Record the Farm ID's of all lowland farms where rice is grown in the table below in order of their IDs.

Step 2: Record today's day of the week here: _____

Step 3: Record your selection number here: |___|___|

For Monday, use 13 as your selection number.
For Tuesday, use 15 as your selection number.
For Wednesday, use 12 as your selection number.
For Thursday, use 16 as your selection number.
For Friday, use 11 as your selection number.
For Saturday, use 10 as your selection number.
For Sunday, use 14 as your selection number.

Step 4: Starting with the number 1, count through the Farm ID's listed in Table A above.

When you reach the last box in the table with a completed Farm ID, resume counting again with the first box.

Stop when you reach your selection number.

Step 5: Record the Farm ID in the box where you stopped here: |___|
This is your Lowland Labour Farm.

Upland Farm

Enumerator: Are there any upland farms on which rice is cultivated?

1 = yes
2 = no >> F9

|___|

Enumerator:
Is there more than 1 upland farm on which rice is cultivated?

NO: This is your Upland Labour Farm
Record the Farm ID here: |___| and >> F9
YES: use the procedure below to identify your Upland Labour Farm.

Step 1: Record the Farm ID's of all upland farms where rice is grown in the table below in order of their IDs.

Step 5: Record the Farm ID in the box where you stopped here: |___|
This is your Upland Labour Farm.

F9	**Enumerator:** record the Farm ID of the Lowland Labour Farm here: If no lowland farms, record 0 and >> F10	|___|

F9: **Lowland** Rice Farm: Labour Activity Details

ENUMERATOR: for each activity, record the information for the last completed crop cycle on the selected farm.

AVOID DOUBLE COUNTING: if some activities were performed together (e.g. brushing & clearing), only record information for the first activity, and indicate in f9a that the second activity was not done.

		F9a	F9b	F9c	F9d			F9e			F9f				F9g						F9h
					Household Labour						Exchange Labour				Hired Manual Labour						
					Adults (15yrs and over)			Children (14yrs and less)									**Enumerator:** answer 1 of these 2 questions					Activity only for this farm?
	Activity	Did you do this activity for this farm?	How long did this activity last?	Activity completed or still ongoing?	a) Total number of days adult hh members worked on this farm for this task (if 0 >> *F9e*)	b) Usual # of adult hh members working on *each* of these days	c) Usual # of hours per day during days worked	a) Total number of days children worked on this farm for this task (if 0 >> *F9f*)	b) Usual # of children working on *each* of these days	c) Usual # of hours per day during days worked	a) Total number of days comm. labor workers worked on this farm for this task (If 0 >> *F9g*)	b) Usual # of comm.. labor workers working on *each* of these days	c) Usual # of hours per day during days worked	d) Food usually provided to comm. labor workers for this activity? 1=Yes, 2=No	a) Total number of days hired manual workers worked on this farm for this task (If 0 >> F9h)	b) Usual # of manual hired workers working on *each* of these days	c1) Daily payment in cash per hired manual worker per day	c2) Total (not daily) payment in cash paid to all hired manual workers	d) Food usually provided to hired manual workers for this activity? 1=Yes, 2=No	e) Total estimated value of in kind payments (excluding food&drinks) for hired manual workers	1 = only for this farm 2 = jointly for multiple farms
		1=Yes 2=No >> next row		1=completed 2=ongoing																	
1	Brushing	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
2	Clearing (incl gathering, burning)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
3	Nursing (incl nursery preparation)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
4	Ploughing (incl puddling)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
5	Broadcasting	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
6	Harrowing	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
7	Transplanting (incl uprooting seedlings)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
8	1st Weeding	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
9	Fertilizer application	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
10	2nd Weeding	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
11	Pest control (incl bird scaring/fencing)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
12	Pesticide application	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
13	Harvesting	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
14	Stacking	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
15	Threshing (incl winnowing)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
16	Drying (incl parboiling)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
17	Bagging/storing	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
18	Other (Specify: _____)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|

F10	**Enumerator:** record the Farm ID of the Upland Labour Farm here: If no upland farms, record 0 and >> G1	|___|

F10: **Upland** Rice Farm: Labour Activity Details

ENUMERATOR: for each activity, record the information for the last completed crop cycle on the selected farm.

AVOID DOUBLE COUNTING: if some activities were performed together (e.g. brushing & clearing), only record information for the first activity, and indicate in p3a that the second activity was not done.

		F10a	F10b	F10c	F10d			F10e			F10f				F10g						F10h
					Household Labour						Exchange Labour				Hired Manual Labour						Activity only for this farm?
					Adults (15yrs and over)			Children (14yrs and less)									**Enumerator:** answer 1 of these 2 questions				
	Activity	Did you do this activity for this farm?	How long did this activity last?	Activity completed or still ongoing?	a) Total number of days adult hh members worked on this farm for this task (if 0 >> *F10e*)	b) Usual # of adult hh members working on *each* of these days	c) Usual # of hours per day during days worked	a) Total number of days children worked on this farm for this task (if 0 >> *F10f*)	b) Usual # of children working on *each* of these days	c) Usual # of hours per day during days worked	a) Total number of days comm. labor workers worked on this farm for this task (If 0 >> *F10g*)	b) Usual # of comm.. labor workers working on *each* of these days	c) Usual # of hours per day during days worked	d) Food usually provided to comm. labor workers for this activity? 1=Yes, 2=No	a) Total number of days hired manual workers worked on this farm for this task (If 0 >> F10h)	b) Usual # of manual hired workers working on *each* of these days	c1) Daily payment in cash per hired manual worker per day	c2) Total (not daily) payment in cash paid to all hired manual workers	d) Food usually provided to hired manual workers for this activity? 1=Yes, 2=No	e) Total estimated value of in kind payments (excluding food&drinks) for hired manual workers	1 = only for this farm 2 = jointly for multiple farms
		1=Yes 2=No >> next row		1=completed 2=ongoing																	
1	Brushing	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
2	Clearing (incl gathering, burning)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
3	Ploughing	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
4	Broadcasting	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
5	Harrowing	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
6	1st Weeding	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
7	Fertilizer application	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
8	2nd Weeding	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
9	Pest control (incl bird scaring/fencing)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
10	Pesticide application	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
11	Harvesting	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
12	Stacking	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
13	Threshing (incl winnowing)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
14	Drying (incl parboiling)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
15	Bagging/storing	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|
16	Other (Specify: _____)	|___|	wks	|___|										|___|			Le	Le	|___|	Le	|___|

F11	When food is provided for workers, what is average cost of food & drink provided per day per worker?	Le

Section G: Cassava

G1	Did this household cultivate any cassava in the past 12 months? **Enumerator**: Check against crop inventory	1 = yes 2 = no >> H1	|___|
G2	During the past 12 months was cassava grown on small /scattered plots of land **outside the farms illustrated on the Farm Picture**?	1 = yes 2 = no	|___|

G3 (Production -- Planting): ***By Farm, Month when Planting Began***

ENUMERATOR: list all farms where cassava was cultivated in the past 12 months. Cross check against the farm inventory to make sure that **all** cassava farms are included.

If there was more than one crop cycle for any farm, record each crop cycle separately.

Do not include cassava grown on small/scattered plots of land.

Fill by row: answer questions g3a-g3m for each farm and then move to next farm.

G3a	G3b	G3c	G3d	G3e	G3f	G3g	G5h	G3i	G3j	G3k	G3l	G3m	
Farm ID	Any Cassava From This Farm **Harvested** In Past 12 Months?	Month when planting began	Total Amount of Planting Material Used		Type(s) Planted	Name of main variety planted	Cropping Practice	Primary Source of Planting Material				Secondary Source of Planting Material	
			Qty	Unit				Source	Paid for planting material or got for free?	Payment Type	Cost per Unit **Enumerator:** Include the estimated value of any in kind payment per unit of planting material		
	1 = yes 2 = no >> next row	MM / YY		1 = sticks 2 = bundles 9 = other (specify): _____	1 = Bitter 2 = Sweet 3 = Both	Enter "99" if not known	1 = sole cropping 2 = mixed cropping	Use SOURCE Code	1 = paid 2 = free >> G3m	Use PAYMENT TYPE code	(same unit as G3e)	use SOURCE Code (0 if none)	
|___|	|___|	|___|___| / |___|___|		|___|	|___|		|___|	|___|	|___|	|___|	Le	|___|	...
|___|	|___|	|___|___| / |___|___|		|___|	|___|		|___|	|___|	|___|	|___|	Le	|___|	...
|___|	|___|	|___|___| / |___|___|		|___|	|___|		|___|	|___|	|___|	|___|	Le	|___|	...
|___|	|___|	|___|___| / |___|___|		|___|	|___|		|___|	|___|	|___|	|___|	Le	|___|	...
|___|	|___|	|___|___| / |___|___|		|___|	|___|		|___|	|___|	|___|	|___|	Le	|___|	...
|___|	|___|	|___|___| / |___|___|		|___|	|___|		|___|	|___|	|___|	|___|	Le	|___|	...
|___|	|___|	|___|___| / |___|___|		|___|	|___|		|___|	|___|	|___|	|___|	Le	|___|	...

Section G: Cassava (cont'd)

G3 (Production -- Harvesting): ***By Farm, Month when Planting Began***

ENUMERATOR: Start by listing all Farm ID's included in the (Production – Planting) Table above. All farms where cassava was cultivated must be included in both tables in the same order.

	G3a2	G3n	G3o	G3p	G3q		G3r	G3s	G3t	G3u
	Farm ID	Harvest Status	Month When Harvesting Began	Month When Harvesting Ended	Total Qty Harvested for Sale in the lat 12 months		Frequency of Harvesting for Other Purposes *If none, "Number of Weeks" = 0*			
		1 = All Harvested 2 = Some but not all harvested 3 = Not (yet) harvested >> next row	MM / YY	MM / YY 88 / 88 if not yet ended	Qty If 0, >> G3r	Unit	Number of Weeks If 0, >> next row	Usual number of times harvested per week	Usual Quantity Harvested Per Time	Unit
…	|___|	|___|	|___|___| / |___|___|	|___|___| / |___|___|		|___|___|				|___|___|
…	|___|	|___|	|___|___| / |___|___|	|___|___| / |___|___|		|___|___|				|___|___|
…	|___|	|___|	|___|___| / |___|___|	|___|___| / |___|___|		|___|___|				|___|___|
…	|___|	|___|	|___|___| / |___|___|	|___|___| / |___|___|		|___|___|				|___|___|
…	|___|	|___|	|___|___| / |___|___|	|___|___| / |___|___|		|___|___|				|___|___|
…	|___|	|___|	|___|___| / |___|___|	|___|___| / |___|___|		|___|___|				|___|___|
…	|___|	|___|	|___|___| / |___|___|	|___|___| / |___|___|		|___|___|				|___|___|

Section G: Cassava (cont'd)

G4	**Enumerator:** Has the household harvested any cassava in the past 12 months?	1 = yes 2 = no >> G7	|___|

G5: Processing (Total)

ENUMERATOR: If cassava was processed into any of the states below, fill in at least G5b or G5c. Remember: an estimate is OK, a guess is not. If don't know, use "99".

		G5a	G5b		G5c		G5d
		Of all the cassava you harvested in the past 12 months, did you process any into […]	In total, how much of your unprocessed cassava did you process into […] in the past 12 months?		In total, how much of […] did you receive after processing in the past 12 months?		Did you use local methods or machinery to process your cassava into […]?
		1 = yes 2 = no >> next row	Qty	Unit	Qty	Unit	1 = local methods 2 = machinery 3 = both
I	Garri	|___|		|___|___|		|___|___|	|___|
II	Fufu	|___|		|___|___|		|___|___|	|___|
III	Flour / Tho	|___|		|___|___|		|___|___|	|___|
IV	Other (specify): _____	|___|		|___|___|		|___|___|	|___|

G6	**Enumerator:** Has the Respondent used any **machinery** to process **any** of the cassava they harvested **into garri** in the past 12 months?	1 = yes 2 = no >> G7	|___|

G6: Processing with machinery.

ENUMERATOR: ask the following questions about the machine used by the respondent. If more than one machine used, record information about the machine that was used to process most of the cassava.

G6a	G6b				G6c	G6d	G6e	G6f	G6g		
Of all the cassava you processed *using machinery*, how much did you process using this machine?	Using this machine, how many [units] of cassava make how many [units] of garri?				Is this machine portable?	Who owns this machine?	Did you pay anything to use the machine?	How did you pay?	What is the most common amount you paid per unit? (if in kind, estimate value)		
2 = small amount 3 = approx. half 4 = most 5 = all	Unprocessed		Garri		1 = yes 2 = no	Use OWNERSHIP code If 1, >> G6h	1=yes 2=no >> G6h	1=in cash 2=in kind	Amt	Per Unit Use UNIT Code	State 1 = raw 2 = garri
	Qty	UNIT code	Qty	UNIT code							
|___|	_____ |___|___| = _____ |___|___|				|___|	|___|	|___|	|___|	Le	|___|___|	|___|

G6h	G6i	G6j	G6k		G6l	G6m	
When you used this machine, was it located in this community?	Distance of machine from farm gate / residence if 0 >> G7	Did you pay anything to transport your cassava to the machine?	How much transport did you pay per unit to the machine?		Did you pay anything to transport your garri from the machine?	How much transport did you pay per unit from the machine?	
1=yes >> G7 2=no		1=yes 2=no >> G6l	Amt	Per Unit Use UNIT Code	1=yes 2=no >> G7		Per Unit Use UNIT Code
|___|	miles	|___|	Le	|___|___|	|___|	Le	|___|___|

Section G: Cassava (cont'd)

G7 (Sales)

G7	Has the household sold any cassava (in any state) in the past 12 months?	1 = yes 2 = no >> H1	|___|

G8: Sales in the Past 12 Months

Enumerator: For each cassava state, record total amt sold and details of usual sales by state.

	G8a		G8b	G8c	G8d	G8e	G8f	G8g		G8h
Total Amt Sold (State)	Total Amt Sold in this state		Most common price received per unit in this state	How promptly did you usually receive full payment?	Most important buyer type for cassava in this state	PRIMARY Sale Location for cassava in this state sold to main buyer type	Distance of PRIMARY sale location from farm gate / residence	Most common amount paid by you per unit for transport of the cassava in this state to PRIMARY sale location		SECONDARY Sale Location for cassava in this state sold to main buyer type
	Qty If 0 >>next row	Use UNIT code	Same unit as G8a	1 = at time of sale 2 = w/in 1 week of sale 3 = w/in 1 month of sale 4 = after 1 month of sale	Use BUYER code	Use SALE LOCATION Code If 1, >> G8h	if 0 >> next row	Amount Paid	Per Unit (Use UNIT codes)	Use SALE LOCATION Code 0 if no SECONDARY Location
Unprocessed		|___|___|	Le	|___|	|___|	|___|	miles	Le	|___|___|	|___|
Garri		|___|___|	Le	|___|	|___|	|___|	miles	Le	|___|___|	|___|
Fufu		|___|___|	Le	|___|	|___|	|___|	miles	Le	|___|___|	|___|
Flour / Tho		|___|___|	Le	|___|	|___|	|___|	miles	Le	|___|___|	|___|
Other (specify): _____		|___|___|	Le	|___|	|___|	|___|	miles	Le	|___|___|	|___|

Section H: Sweet Potato

H1	Did this household cultivate any sweet potato in the past 12 months? **Enumerator**: Check against crop inventory	1 = yes 2 = no >> **I1**	|___|
H2	During the past 12 months was sweet potato grown on small /scattered plots of land **outside the farms illustrated on the Farm Picture**?	1 = yes; 2 = no	|___|

H3: Production (By household)

ENUMERATOR: List the information below for all sweet potato cultivation by the household in the past 12 months.
For "main" questions, use the largest amount cultivated/harvested as your guide.

H3a	H3b	H3c		H3d	H3e	H3f	H3g
Name of main variety planted	Main cropping Practice	Total Amount of Planting Material Used		Primary Source of Planting Material:	Paid for Planting Material from Primary Source or got for free?	Usual Cost of Planting Material Per Unit **Enumerator:** include estimated value of in-kind payments	Usual Payment Type
"99" if not known	1 = sole cropping 2 = mixed cropping	Qty	Unit Use UNIT code	use SOURCE Code	1 = paid 2 = free >> H3h	(unit same as H3c)	Use PAYMENT TYPE codes
	|___|		|___|___|	|___|	|___|	Le	|___|

H3h	H3i	H3j
Harvest Status	Harvest (Qty)	Harvest (Unit)
1 = All Harvested 2 = Some but not all harvested 3 = Not (yet) harvested >> I1		Use UNIT code
|___|		|___|___|

Section I: Groundnut

I1	Did this household cultivate any groundnut in the past 12 months? **Enumerator**: Check against crop inventory	1 = yes 2 = no >> **J1**	|___|
I2	During the past 12 months was groundnut grown on small /scattered plots of land **outside the farms illustrated on the Farm Picture**?	1 = yes; 2 = no	|___|

I3: Production (By household)

ENUMERATOR: List the information below for all groundnut cultivation by the household in the past 12 months. For "main" questions, use the largest amount cultivated/harvested as your guide.

I3b	I3c		I3d	I3e	I3f	I3g
Main cropping Practice	Total Amount of Seed Used		Primary Source of Seed:	Paid for Seed from Primary Source or got for free?	Usual Cost of Seed Per Unit **Enumerator:** include estimated value of in-kind payments	Usual Payment Type
1 = sole cropping 2 = mixed cropping	Qty	Unit Use UNIT code	use SOURCE Code	1 = paid 2 = free >> I3h	(unit same as I3c)	Use PAYMENT TYPE code
|___|		|___|___|	|___|	|___|	Le	|___|

I3h	I3i	I3i	I3j
Harvest Status	Harvest (State)	Harvest (Qty)	Harvest (Unit)
1 = All Harvested 2 = Some but not all harvested 3 = Not (yet) harvested >> J1	1 = unshelled 2 = shelled		Use UNIT code
|___|	|___|		|___|___|

Section I: Groundnut (cont'd)

I4	Have you used any **machinery** to shell **any** of the groundnut you harvested in the past 12 months?	1 = yes 2 = no >> I5	|___|

I5	Did your household sell any groundnuts in the last 12 months?	1 = yes 2 = no >> J1	|___|

I5: Total Sales in the Past 12 Months

Enumerator: For each groundnut state, record total amt sold and details of usual sales by state.

	I5a		I5b	I5c	I5d	I5e	I5f	I5g	
Total Amt Sold (State)	Total Amt Sold in this state		Most common price received per unit in this state	How promptly did you usually receive full payment?	Most important buyer type for this state	Main Sale Location	Distance of main sale location from farm gate / residence	Most common amount paid by you per unit for transport of the groundnut in this state to main sale location	
	Qty If 0 >>next row	Use UNIT code		1 = at time of sale 2 = w/in 1 week of sale 3 = w/in 1 month of sale 4 = after 1 month of sale	Use BUYER code	Use SALE LOCATION Code If 1, >> next row	if 0 >> next row	Amount Paid	Per Unit (Use UNIT codes)
Unshelled		|___|___|	Le	|___|	|___|	|___|	Miles	Le	|___|___|
Shelled		|___|___|	Le	|___|	|___|	|___|	Miles	Le	|___|___|

Section J: Maize

J1	Did this household cultivate any maize in the past 12 months? **Enumerator**: Check against crop inventory	1 = yes 2 = no >> **K1**	|___|
J2	During the past 12 months was maize grown on small /scattered plots of land **outside the farms illustrated on the Farm Picture**?	1 = yes; 2 = no	|___|

J3: Production (By household)

ENUMERATOR: List the information below for all maize cultivation by the household in the past 12 months. For "main" questions, use the largest amount cultivated/harvested as your guide.

J3b	J3c		J3d	J3e	J3f	J3g
Main cropping Practice	Total Amount of Seed Used		Primary Source of Seed	Paid for Seed from Primary Source or received free?	Usual Cost of Seed Per Unit **Enumerator:** include estimated value of in-kind payments	Usual Payment Type
1 = sole cropping 2 = mixed cropping	Qty	Unit Use UNIT code	use SOURCE Code	1 = paid 2 = Free >> J3h	(unit same as J3c)	Use PAYMENT TYPE code
|___|		|___|___|	|___|	|___|	Le	|___|

J3h	J3i	J3j	J3k
Harvest Status	Harvest (State)	Harvest (Qty)	Harvest (Unit)
1 = All Harvested 2 = Some but not all harvested 3 = Not (yet) harvested >> K1	1 = cobs (fresh) 2 = cobs (dried) 3 = kernels (dried)		Use UNIT code
|___|	|___|		|___|___|

Section K: Cacao

K1	Did this household cultivate any cacao in the past 12 months? **Enumerator**: Check against crop inventory	1 = yes 2 = no >> L1	|___|
K2	During the past 12 months was Cacao grown on small /scattered plots of land **outside the farms illustrated on the Farm Picture**?	1 = yes; 2 = no	|___|

K3: Production – Cultivation, Planting & Harvesting

By Farm

K3a	K3b	K3c	K3d	K3e	K3f	K3g	K3h	K3i	K3j	K3k	K3l	K3m
Farm ID	Number of trees	Any new trees planted in past 12 months?	Source of seedlings in past 12 months	Paid for seedlings or got free?	Total amount paid for seedlings **Enumerator:** include estimated value of in-kind payments	Payment Type	Year when most trees were planted	Proportion of all trees that bore in past 12 months	Harvested in past 12 months?	Amount Harvested		
	-99 if unknown	1 = yes 2 = no >> K3h	use SOURCE Code	1 = paid for 2 = free >> K3h		Use PAYMENT TYPE code	YYYY (9999 if unknown)	1 = none >>next row 2 = few 3 = approx half 4 = most 5 = all	1 = yes 2 = no >> next row	Main State 1 = Pods 2 = Unfermented 3 = Dried	Qty	Unit Use UNIT code
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|		|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|		|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|		|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|		|___|___|

K4	**Enumerator**: Did this household harvest any cacao in the past 12 months?	1 = yes 2 = no >> L1 |___|

K5	How did you […] your cacao crop in the past 12 months? 1 = Using only HH labor 2 = Using only HH and family (non-HH) labor 3 = In partnership with other farmers (informal: not cooperative or labor gang) 4 = As part of a cooperative or other formal farmers' group 5 = With help of hired labor (labor gang) 9 = N/A: sold crop before this processing stage	
a.	Harvest	|___|
b.	Break the Pods	|___|
c.	Ferment	|___|
d.	Dry	|___|
e.	Store	|___|

Section K: Cacao (cont'd)

K6	How did you ferment your cacao?	1 = local methods 2 = modern fermenting box 3 = other (specify): _____ 9 = N/A: HH did not ferment	|___|
K7	Where did you dry most of your cacao?	1 = cement drying floor 2 = ground 3 = tarp 4 = drying table (uncovered / without roof) 5 = drying table (covered / with roof) 6 = other (specify): _____ 9 = N/A: HH did not dry	|___|
K8	Which types of bags did you use for bagging?	1 = jute bags 2 = nylon (rice bags) 9 = N/A: HH did not bag >> K9	|___|
K8a	Did you buy these bags?	1 = yes 2 = no >> K9	|___|
K8b	How much did you pay for each bag?	Le	

K9: Total Sales in the Past 12 Months

Enumerator: Record the total amt of cacao sold for the main state, and details of usual sales.

K9a			K9b	K9c	K9d	K9e	K9f	K9g	K9h	
Total Amt Sold in Past 12 months			Total Revenue from All Sales in past 12 months	Most common price received per unit	How promptly did you usually receive full payment?	Most important buyer type	Main Sale Location	Distance of main sale location from farm gate / residence	Most common amount paid by you per unit for transport of cocoa to main sale location	
Main State 1 = Pods 2 = Unfermented 3 = Dried	Qty If 0 >>next row	Unit Use UNIT code	**Enumerator:** Record at least 1 of these 2		1 = at time of sale 2 = w/in 1 week of sale 3 = w/in 1 month of sale 4 = after 1 month of sale	Use BUYER code	Use SALE LOCATION Code If 1, >> next section	if 0 >> next row	Amount Paid	Per Unit (Use UNIT codes)
|___|		|___|___|	Le	Le	|___|	|___|	|___|	miles	Le	|___|___|

Section L: Coffee

L1	Did this household cultivate any coffee in the past 12 months? **Enumerator**: Check against crop inventory	1 = yes 2 = no >> M1	|___|
L2	During the past 12 months was Coffee grown on small /scattered plots of land **outside the farms illustrated on the Farm Picture**?	1 = yes; 2 = no	|___|

L3 Production – Cultivation, Planting & Harvesting

By Farm

L3a	L3b	L3c	L3d	L3e	L3f	L3g	L3h	L3i	L3j	L3k	L3l	L3m
Farm ID	Number of trees	Any new trees planted in past 12 months?	Source of seedlings in past 12 months	Paid for seedlings or got free?	Total amount paid for seedlings **Enumerator:** include estimated value of in-kind payments	Payment type	Year when most trees were planted	Proportion of all trees that bore in past 12 months	Harvested any in past 12 months?	Amount Harvested		
	-99 if unknown	1 = yes 2 = no >> L3h	use SOURCE Code	1 = paid for 2 = free >> L3h		Use PAYMENT TYPE Code	YYYY (9999 if don't know)	1 = none >>next row 2 = few 3 = approx half 4 = most 5 = all	1 = yes 2 = no >> next row	State 1 = Raw 2 = Dried 3 = Hulled	Qty	Unit Use UNIT code
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|

L4	**Enumerator**: Did this household harvest any coffee in the past 12 months?	1 = yes 2 = no >> M1	|___|

L5	Have you used any **machinery** to hull **any** of the coffee you have harvested in the past 12 months?	1 = yes 2 = no	|___|

L6: Total Sales in the Past 12 Months (By State)

Enumerator: For each coffee state, record total amt sold and details of usual sales by state.

	L6a		L6b	L6c	L6d	L6e	L6f	L6g	L6h	
Total Amt Sold (State)	Total Amt Sold in Past 12 months		Total Revenue from All Sales in past 12 months	Most common price received per unit	How promptly did you usually receive full payment?	Most important buyer type	Main Sale Location	Distance of main sale location from farm gate / residence	Most common amount paid by you per unit for transport of coffee to main sale location	
	Qty If 0 >>next row	Unit Use UNIT code	**Enumerator:** Record at least 1 of these 2		1 = at time of sale 2 = w/in 1 week of sale 3 = w/in 1 month of sale 4 = after 1 month of sale	Use BUYER code	Use SALE LOCATION Code If 1, >> next row	if 0 >> next row	Amount Paid	Per Unit (Use UNIT codes)
Raw		|___|___|	Le	Le	|___|	|___|	|___|	miles	Le	|___|___|
Dried		|___|___|	Le	Le	|___|	|___|	|___|	miles	Le	|___|___|
Unhulled		|___|___|	Le	Le	|___|	|___|	|___|	miles	Le	|___|___|

Section M: Oil Palm

M1	Did this household cultivate any oil palm in the past 12 months? **Enumerator**: Check against crop inventory	1 = yes 2 = no >> N1	|___|
M2	During the past 12 months was oil palm grown on small /scattered plots of land **outside the farms illustrated on the Farm Picture**?	1 = yes; 2 = no	|___|

M3 Production – Cultivation, Planting & Harvesting

By Farm

M3a	M3b	M3c	M3d	M3e	M3f	M3g	M3h	M3i	M3j	M3k	M3l	M3m
Farm ID	Number of trees	Any new trees planted in past 12 months?	Source of seedlings in past 12 months	Paid for seedlings or got free?	Total amount paid for seedlings **Enumerator:** include estimated value of in-kind payments	Payment type	Year when most trees were planted	Proportion of all trees that bore in past 12 months	Harvested any in past 12 months?	Amount Harvested		
	-99 if unknown	1 = yes 2 = no >> M3h	use SOURCE Code	1 = paid for 2 = free >> M3h		Use PAYMENT TYPE code	YYYY (9999 if don't know)	1 = none >>next row 2 = few 3 = approx half 4 = most 5 = all	1 = yes 2 = no >> next row	State 1 = Raw 2 = palm oil	Qty	Unit Use UNIT code
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|
|___|		|___|	|___|	|___|	Le	|___|	|___|___|___|___|	|___|	|___|	|___|	|___|___|

M4 (Processing):

M4a	Have you processed any of your oil palm fruit into palm oil in the past 12 months?	1 = yes 2 = no >> M6	|___|

			Qty	Unit (use UNIT code)
M4a1	**Enumerator:** Record the answer to at least 1 of these 2 questions	In total, how much of your oil palm fruit (bunches/heads) did you process in the past 12 months?		|___|___|
M4a2		In total, how much palm oil did you receive after processing your raw oilpalm?		|___|___|

M4b	Have you processed any of your oil palm nuts into nut oil in the past 12 months?	1 = yes 2 = no >> M6	|___|

			Qty	Unit (use UNIT code)
M4b1	**Enumerator:** Record the answer to at least 1 of these 2 questions	In total, how much of your shelled oil palm nuts did you process in the past 12 months?		|___|___|
M4b2		In total, how much nut oil did you receive after processing your shelled oil palm nuts?		|___|___|

M5	Of the total amount processed into palm oil, how much was processed using a mechanized press or other machinery?	1 = none >> M6 2 = small amount 3 = approx. half 4 = most 5 = all	|___|

M6: Total Sales in the Past 12 Months (By State)

Enumerator: For each oil palm state, record total amt sold and details of usual sales by state.

Total Amt Sold (State)	M6a		M6b	M6c	M6d	M6e	M6f	M6g	M6h	
	Total Amt Sold in Past 12 months		Total Revenue from All Sales in past 12 months	Most common price received per unit	How promptly did you usually receive full payment?	Most important buyer type	Main Sale Location	Distance of main sale location from farm gate / residence	Most common amount paid by you per unit for transport of oil palm to main sale location	
	Qty If 0 >>next row	Unit Use UNIT code	**Enumerator:** Record at least 1 of these 2		1 = at time of sale 2 = w/in 1 week of sale 3 = w/in 1 month of sale 4 = after 1 month of sale	Use BUYER code	Use SALE LOCATION Code If 1, >> next row	if 0 >> next row	Amount Paid	Per Unit (Use UNIT codes)
Raw		|___|___|	Le	Le	|___|	|___|	|___|	miles	Le	|___|___|
Palm Oil		|___|___|	Le	Le	|___|	|___|	|___|	miles	Le	|___|___|
Nut Oil		|___|___|	Le	Le	|___|	|___|	|___|	miles	Le	|___|___|

SECTION N: PRE-HARVEST FARM PROBLEMS

		N1: Did your household experience any problems with […] in the last 12 months <u>before harvesting?</u> **Enumerator:** include only 8 core crops 1 = yes 2 = no **>> next row**	**N2.** On which crop did your household experience this problem, and how severe was it? **Enumerator:** DO NOT PROMPT <u>for individual crops</u>. For crops with problems, probe for severity. If multiple problems, double check that severity levels make sense (e.g. 2 different problems should not be coded with "4") **1** = no problems **2** = yes, minor problems **3** = yes, severe problems **4** = yes, total crop failure **9**= N/A:not cultivated by the household in the last 12 months							
			A. Rice	B. Cassava	C. Sweet Potato	D.Groundnut	F. Maize	G. Cacao	H. Coffee	I. Oil Palm
1	Insects/bugs	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
2	Animal pests (rodents, birds, crabs etc)	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
3	Too much rain / early rains / flooding	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
4	Too little rain / late rains / drought	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
5	Theft	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|
6	Other (Specify): _____	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|

N2. Re-planting due to Crop Failure

N2	In the past 12 months, did you have to replant any of your farms because of crop failure?	1 = yes 2 = no **>> O1**	|___|

ENUMERATOR: List Any Farms and Crops Replanted (Indicate each farm and crop separately). <u>Include only the 8 core crops.</u>

N2a	N2b	N2c	N2d	N2e	N2f	N2g
Farm ID	Crop Replanted	Month of First Replanting	Area of Farm Replanted	Replanted a second time?	Month of Second Replanting	Area of Farm Replanted
.	Use CROP codes	MM	2 = small area 3 = approx. half of farm 4 = most of farm 5 = all of farm	1 = yes 2 = no >> next row	MM	2 = small area 3 = approx. half of farm 4 = most of farm 5 = all of farm
|___|	|___|___|	|___|___|	|___|	|___|	|___|___|	|___|___|
|___|	|___|___|	|___|___|	|___|	|___|	|___|___|	|___|___|
|___|	|___|___|	|___|___|	|___|	|___|	|___|___|	|___|___|
|___|	|___|___|	|___|___|	|___|	|___|	|___|___|	|___|___|
|___|	|___|___|	|___|___|	|___|	|___|	|___|___|	|___|___|

SECTION O: NERICA RICE

O1.	Has this household heard of NERICA rice?	1 = yes 2 = no >> Q1	|___|
O2.	From what source did you FIRST hear about NERICA rice? **Enumerator:** DO NOT PROMPT	1 = Agric. Ext. Worker 2 = Radio 3 = Newspaper 4 = NGOs 5 = FBO/cooperative 6 = Community Members 7 = Traders 8 = Traditional Authorities 9 = other (Specify): _____	|___|

O3	Has this HH ever cultivated NERICA Rice?	1 = yes 2 = no >> O11	|___|
O3a	What year did you start planting NERICA Rice? (YYYY)	|___|___|___|___|	
O3b	That first time you planted NERICA where did you get the seed from?	Use Source CODE	|___|

O4	**Enumerator:** Has this HH cultivated NERICA Rice in the past 12 months?	1 = yes 2 = no >> O11	|___|
O5	Which variety of NERICA Rice did you plant?	1 = yes; 2 = no (select all that apply)	
		1 = NERICA_1	|___|
		2 = NERICA_2	|___|
		3 = NERICA_4	|___|
		4 = NERICA_6	|___|
		5 = NERICA_L19	|___|
		6 = NERICA_L20	|___|
		9 = don't know	|___|

O6	In the past 12 months did you plant more, less or about the same amount of NERICA as in the 12 months before that?	1 = More 2 = Same 3 = Less 9 = N/A: First 12 months planted	|___|

O7. Before harvesting your rice, did the problems with your farms affect your NERICA rice more, the same or less than your other rice varieties?					
A. Insects/bugs	B. Animal pests (rodents, birds, crabs etc)	C. Too much rain / early rains / flooding	D. Too little rain / late rains / drought	E. Theft	F. Other (Specify): _____
1 = NERICA less affected or not at all affected 2 = NERICA affected about the same as others 3 = NERICA more affected 4 = did not experience this with any rice variety 9 = N/A: HH only cultivates NERICA					
|___|	|___|	|___|	|___|	|___|	|___|

SECTION O: NERICA Rice (Cont'd)

O8	Of the NERICA you harvested in the past 12 months, are you storing any seed for replanting?	1 = yes 2 = no >> O9	|___|

	O8a. Are you currently storing any of your NERICA seed in […]?	O8b. In this place, what is the main way the rice is stored?
	1 = Yes 2 = No >> next row	1 = hung from ceiling 2 = kept in jute bags 3 = kept in rice bags 4 = spread on the floor 9 = Other (specify…) _____
i. your own store, or a room in your house used only for seed storage	|___|	|___|
ii. a room inhabited by the household (including kitchen)	|___|	|___|
iii. Your own storage box/container	|___|	|___|
iv. a room inhabited by another household eg. neighbour's	|___|	|___|
v. a community store	|___|	|___|
vi. a store owned by a fellow community member/other HH	|___|	|___|
vii. Other (specify…) _____	|___|	|___|

O9a. How many bushels of NERICA rice did you sell in the past 12 months?	O9b. What was the total revenue you got from the sale of NERICA rice for the past 12 months?	O9c. When selling NERICA rice, how did the price for NERICA compare to the price per bushel for other rice varieties?
If 0, >> O10 "99" if don't know or NERICA mixed with other varieties		1 = Higher price for NERICA 2 = Approximately the same price 3 = Lower price for NERICA 9 = Don't know
	Le	|___|

O10.	What is the main reason you cultivate NERICA? **Enumerator: DO NOT PROMPT**	1 = Preferred for consumption 2 = Higher yielding 3 = Fast growth / shorter time to maturity 4 = Drought resistance 5 = Disease resistance 9 = Other (specify) _____	|___|

O11.	If you are currently cultivating NERICA, what are the biggest problems you face with NERICA? If you are not currently cultivating NERICA, what are the main reasons why not? (specify up to 3) **Enumerator: DO NOT PROMPT**	1 = do not know enough about NERICA 2 = NERICA seed is not easily available 3 = would have high crop losses due to pest / diseases 4 = do not have proper tools or machinery 5 = might fail due to drought or unpredictable rains 6 = the seed is too expensive / do not have enough money to buy 7 = labour costs are high	8 = not enough land 9 = poor soil 10 = no access to a market for selling 11 = not enough labour available 12 = difficult to obtain fertilizer needed 13 = other (specify): _____
a. Problem #1: |___|___|			
b. Problem #2: |___|___|			
c. Problem #3: |___|___|			

O12.	Do you know any other households in this locality that planted NERICA Rice during the past 12 months?	1 = Yes 2 = No	|___|

Section Q: Access to Services

Access to information / extension

Q1	**In the past 12 months**, have you or anyone in your household spoken with any agricultural extension officer?	*1 = yes* *2 = no* >> Q2	|___|
Q1a	Which organization does this/these agricultural extension officer(s) belong to? (Specify up to 3, using ORGANISATION codes)		
	1. Extension Officer from 1st Organisation		|___|___|
	2. Extension Officer from 2nd Organisation (if no 2nd Org., "99" >> Q1b)		|___|___|
	3. Extension Officer from 3rd Organisation (if no 3rd Org., "99" >> Q1b)		|___|___|
Q1b	What information did the agricultural extension officer from […] provide? **Enumerator:** *DO NOT PROMPT. Specify up to 3 information areas.* Information about 1 = improved farming techniques 2 = availability of agricultural supplies, including seeds, inputs, tools, etc. 3 = processing your produce 4 = selling your produce (including market prices) 5 = joining an FBO / CBO / cooperative / other agriculture-related org. 6 = NERICA rice 7 = Other (Specify: _____)		
1. Extension Officer from 1st Organisation			|___| ; |___| ; |___|
2. Extension Officer from 2nd Organisation (if no such >>Q2)			|___| ; |___| ; |___|
3. Extension Officer from 3rd Organisation (if no such >>Q2)			|___| ; |___| ; |___|

Q2	In the past 12 months, have you or anyone in your household ever attended any training/workshop(s) on agriculture?	*1 = yes* *2 = no* >> *Q3*	|___|
Q2a	Which organization organized the training/workshop(s)? (Specify up to 3, using ORG codes)		
	1. Training/Workshop of 1st Organisation		|___|___|
	2. Training/Workshop of 2nd Organisation (if no 2nd Org., "99" >> Q3)		|___|___|
	3. Training/Workshop of 3rd Organisation (if no 3rd Org., "99" >> Q3)		|___|___|

Q3	In the past 12 months, have you or anyone in your household been a member of a Farmer Field school? **Enumerator:** a Farmer Field School is a system of instruction for farmers where farmers and extension workers meet to share techniques and experience in agricultural production. It often – but not always – includes demonstration plots. The creation of the Farmer Field School must have been facilitated by an outside organization.		*1 = yes* *2 = no* >> *Q4*	|___|
Q3a	What organization is responsible for running the Farmer Field School?	Use ORG codes	|___|___|	
Q3b	What crops are the main focus of the Farmer Field School? (specify up to 3)	Use CROP codes N/A (no crops): 99	1. |___|___| 2. |___|___| 3. |___|___|	

Q4	Did you or any member of the household **BORROW** money for any **agricultural purpose** during the past 12 months?	*1 = yes* **>> *Q4b*** *2 = no*	|___|
Q4a	Why not? After answering >> Q5	*1 = no need;* *2 = Nobody/no institution to apply for a loan* *3 = Applied but got rejected* *4 = could not afford to repay* *9= other (specify):* _____	|___|

Q4b	From whom did you borrow money during the past 12 months?		(Select all that apply) 1 = yes; 2 = no >> next row	Amount borrowed (if borrowed more than once, use largest amount)
.	1	Government	|___|	Le
	2	commercial bank	|___|	Le
	3	local lender / creditor	|___|	Le
	4	FBO / cooperative society	|___|	Le
	5	NGO / microfinance institution	|___|	Le
	6	trader	|___|	Le
	7	friend / relative	|___|	Le
	8	credit / osusu group	|___|	Le
	10	Other (specify……..)	|___|	Le

Q4c	For what agricultural purpose did you use this money that you borrowed?		(Select all that apply) 1 = yes; 2 = no
	1	Seeds	|___|
	2	Fertilizer	|___|
	3	other chemical inputs	|___|
	4	hiring labour	|___|
	5	paying for agricultural services (e.g. tractor hire)	|___|
	6	purchasing equipment	|___|
	7	Other (specify……..)	|___|

Access to Drying space for Grains

Q5	**Enumerator:** Did this household harvest any cereals in the past 12 months?	*1 = yes;* *2 = no* >> *Q9*	|___|

Q6		a. Did you dry any of the cereals you harvested in the past 12 months on […]? 1=Yes 2=No >> next row	b. Proportion of all cereals harvested & dried 2 = small amount 3 = approx half 4 = most 5 = all	c. Who owns the […] you used to dry these cereals? Use OWNERSHIP codes
i	Cement drying floor	|___|	|___|	|___|
ii	Ground	|___|	|___|	|___|
iii	Tarp	|___|	|___|	|___|
iv	Road	|___|	|___|	
v	Plastic sheet	|___|	|___|	|___|
vi	Rice bags	|___|	|___|	|___|
vii	Cloth	|___|	|___|	|___|
viii	Straw mat	|___|	|___|	|___|
ix	Roof top	|___|	|___|	|___|
x	Other (specify: _____)	|___|	|___|	|___|

Access to Storage space for Grains

Q7	Where did you store the cereals you harvested in the past 12 months?				
		a. Did you store any of the cereals you harvested in the past 12 months at […]? 1=Yes 2=No >> **next row**	b. Proportion of all cereals harvested & stored 1 = none 2 = small amount 3 = approx half 4 = most 5 = all	c. Did you have to pay to use this space? 1 = yes 2 = no >> **next row**	d. How much did you pay in total?
I	Your own store, or a room in your house used **only** for storage	|___|	|___|		
ii	A room inhabited by the household (including kitchen)	|___|	|___|		
iii	Your own storage box/container	|___|	|___|		
iv	Room inhabited by another household (e.g. neighbour)	|___|	|___|	|___|	Le
v	Community store	|___|	|___|	|___|	Le
vi	A store owned by a fellow community member/other household	|___|	|___|	|___|	Le
vii	Other Specify (_____)	|___|	|___|	|___|	Le

Q8a	**Enumerator**: In the past 12 months, did the household store any of the cereals they produced in any community store?	1=yes >> Q9 2=no	|___|
Q8b	Why not? **Enumerator:** DO NOT PROMPT.	*1 = no community store exists;* *2 =have enough own storage;* *3 = don't want others to see how much harvested;* *4 = worried about theft;* *5 = community store is poor quality;* *6 = community store was full;* *7 = can't afford storage fee;* *9 = other (specify_____)*	|___|

Labor

Q9	Is anyone in this household a member of a labour group?	1= yes 2=no >> Q10	|___|
Q9a	How many labour groups (which do labor exchange only) do members of this household belong to?		|___|
Q9b	How many labour groups (which do labor hire only) do members of this household belong to?		|___|
Q9c	How many labour groups (which do both labor hire and labor exchange) do members of this household belong to?		|___|

Q10	Did you hire any workers to work on any of your farms in the past 12 months?	1 = yes 2 = no >> Q11	|___|
	Did any of the workers you hired to to work on any of your farms come from…?	(select all that apply) 1 = yes 2 = no 9 = don't know	
	Q10a. this locality	|___|	
	Q10b. other localities in this section	|___|	
	Q10c. other section(s) in this chiefdom	|___|	
	Q10d. other chiefdom(s) in this district	|___|	
	Q10e. other district(s) (not Freetown)	|___|	
	Q10f. Freetown	|___|	

Q11	Did any household member do agricultural work outside the household's farms in the past 12 months? **Enumerator:** do not include exchange labor.	1 = yes 2 = no >> Q12	|___|
	Did the household member(s) who worked outside the household's farms work in…?	(select all that apply) 1 = yes 2 = no 9 = don't know	
	Q11a. this locality	|___|	
	Q11b. other localities in this section	|___|	
	Q11c. other section(s) in this chiefdom	|___|	
	Q11d. other chiefdom(s) in this district	|___|	
	Q11e. other district(s) (not Freetown)	|___|	
	Q11f. Freetown	|___|	

Access to communal credit

Q12	Is anyone in this household a member of a credit/savings group?	1= yes 2=no >> Q13	|___|
Q12a	How many different informal groups (e.g. osusu) do members of this household belong to?	|____|	
Q12b	How many different Village Savings & Loan Associations (VSLAs) do members of this household belong to?	|____|	
Q12c	How many different Financial Services Associations (FSAs) do members of this household belong to?	|____|	

Q13	Are there any agriculture-related organizations operating in this community?	*1 = yes* *2 = no* >> *Q14*	|___|

Q13a	Is anyone in this household a member of an agriculture-related organization?	*1 = yes* *2 = no* >> *Q14*	|___|

Q13b	**Q13c**	**Q13d**	**Q13e**	**Q13f**	**Q13g**	**Q13h**	**Q13i**	**Q13j**	**Q13k**	**Q13l**	**Q13m**
NAME of Organization. (NAME by which people refer to the Organisation)	TYPE of Org.	Has any member of your HH attended a meeting of […] in the past 1 month?	Does any member of the HH have a membership card for this org?	Does any member of the HH pay membership dues for […]?	About the HH member who is a member of this org (if more than one refer to the person who is most active member of the org)…			Does this Org. assist in any way with processing your HH's produce?	Does this Org. assist in any way with selling your HH's produce?	Does this Org have its own farm?	Has anyone in your HH worked on this farm (specified in last column) in the past 12 months?
					How often does he/she pay membership dues?	How much does he/she pay per period of time?	Does his/her membership card show your contributions				
	1= FBO 2= Cooperative societies 3= Farmer Field School 4= Traders Association 5= Exporters Association 6= Others	1 = yes 2 = no	1 = yes 2 = no	1 = yes 2 = no >>Q13j 3=Don't know	1 = Daily 2 = Weekly 3=monthly 5= other specify: _____		1=yes 2=no 3 = don't have memb, card 9=don't know	1 = yes 2 = no	1 = yes 2 = no	1=Yes 2=No >> Next row	1=Yes 2=No
	|___|	|___|	|___|	|___|	|___|	Le	|___|	|___|	|___|	|___|	|___|
	|___|	|___|	|___|	|___|	|___|	Le	|___|	|___|	|___|	|___|	|___|
	|___|	|___|	|___|	|___|	|___|	Le	|___|	|___|	|___|	|___|	|___|
	|___|	|___|	|___|	|___|	|___|	Le	|___|	|___|	|___|	|___|	|___|
	|___|	|___|	|___|	|___|	|___|	Le	|___|	|___|	|___|	|___|	|___|

Q14a	Have you or anyone in your household travelled outside this locality in the past 12 months?	*1 = yes* *2 = no >> R1*	|___|

What are the 3 localities you have traveled to **most frequently** in the past 12 months?

	Q14a	**Q14b**	**Q14c**	**Q14d**	**Q14e**	**Q14f**	**Q14g**	**Q14h**
	Locality Name	Is there a market at this locality?	Is this locality in this chiefdom?	Chiefdom	**Supervisor** Chiefdom Code	How often do you go to this place in the dry season?	How often do you go to this place in the rainy season?	What are the main purposes for visiting this place? *(select up to 3)*
		1=Yes 2=No >> **Q14d**	1=Yes >>**Q14f** 2=No			1 = Almost every day 2 = 2-3 times per week 3 = About 1 time per week 4 = 2-3 times per month 5 = 1 time per month or less 9 = N/A: Do not go in this season		1=Work 2=Trade: sales 3=Trade: purchases 4=Visiting family/relatives/friends 5 = Medical/health reasons 9=Other (specify): _____
i		|___|	|___|		|___|___|___|___|	|___|	|___|	|_____|, |_____|, |_____|
ii		|___|	|___|		|___|___|___|___|	|___|	|___|	|_____|, |_____|, |_____|
iii		|___|	|___|		|___|___|___|___|	|___|	|___|	|_____|, |_____|, |_____|

Section R: Food Security

Enumerator: This is potentially a sensitive topic. Make sure only HH members are present for this section.

Identification of staple food crop

R1	What is the household's most important staple food?	*Use CROP codes*	|___|___|

Existence of staple food crop stocks

R2	Did you have stocks of [CROP SPECIFIED IN R1] in any state from your own production at any time during the past 12 months?	*1 = yes;* *2 = no >> R6*	|___|
R3	In 2009 in which month did your stocks of [CROP SPECIFIED IN R1] from your own production run out?	*MM/YY* *(99 if stocks did not run out >> R5)*	|___|___| / |___|___|
R4	During the months without stocks of [CROP SPECIFIED IN R1) from your own production, what staple food did you consume the most? **Enumerator:** note that this can include the same crop specified in R1.	*Use CROP codes*	|___|___|
R5	When do you expect your stocks of [CROP SPECIFIED IN R1] from your own production to run out this year? (MM / YY) **Enumerator:** use "99/99" if N/A or do not expect stocks to run out.	|___|___| / |___|___|	

Hunger period & coping strategies

R6	At any time during the past 12 months, did your household experience any hunger period (a time when there were serious difficulties producing or purchasing enough food to feed all household members)?	*1 = yes;* *2 = no* *>> S1*	|___|

R7	Did your household experience this hunger period in the month of […]?

1 = yes; 2 = no

Mar 09	Apr 09	May 09	Jun 09	Jul 09	Aug 09	Sep 09	Oct 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10
|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|	|___|

R8	During this HUNGER period, […]		*1 = yes ;2 = no* *9 = N/A*
	R8a	Did you frequently reduce the quantity of food per meal (compared to other times of the year)?	|___|
	R8b	Did you frequently reduce the quality of meals (compared to other times of the year)?	|___|
	R8c	Did you frequently reduce the number of meals (compared to other times of the year)?	|___|
	R8d	Did you consume all or part of seed reserved for planting?	|___|
	R8e	Did you sell all or part of the seed you reserved for planting to buy food?	|___|
	R8f	Did you sell livestock or other possessions to raise money to buy food?	|___|
	R8g	Did you borrow money to buy food?	|___|
	R8h	Did you ask for help to get food from government, NGO or church/mosque?	|___|
	R8i	Did any member of the household (including children) leave to stay elsewhere?	|___|
	R8j	Did children from the household attend school less frequently (compared to other times of the year?)	|___|
	R8k	Did any family members or other people in the community give you food?	|___|
	R8l	Did you purchase the [CROP SPECIFIED IN R1]?	|___|
	R8m	Did you use any other coping strategies? (specify): (_____)	|___|

R9	When was the most difficult time during this hunger season?	MM / YY	|___|___| / |___|___|

Section S: Livestock and Poultry Services

S1	Does any member of the household currently own any livestock or poultry?	Yes = 1 No = 2 >> **T1**	|___|

S1a		**S1b**	**S1c**	**S1d**	**S1e**
Animal/livestock		Does any member of the household currently own […]?	How many are currently owned?	Have any of these […] ever been vaccinated?	Have any of these […] been treated by a veterinary officer in the past 12 months?
		1 = Yes **2 = No** **>> next row**	**Don't Know = 9999**	**1 = yes** **2 = no**	**1 = yes** **2 = no**
I	Bulls (Male cattle)	|___|		|___|	|___|
II	Cows (female cattle)	|___|		|___|	|___|
III	Calf (young cattle)	|___|		|___|	|___|
IV	Work Oxen (animal traction)	|___|		|___|	|___|
V	Sheep	|___|		|___|	|___|
VI	Goats	|___|		|___|	|___|
VII	Pigs	|___|		|___|	|___|
VIII	Rabbits	|___|			
IX	Chicken	|___|			
X	Duck	|___|			
XI	Guinea Fowl	|___|			
XII	Other (specify) _____	|___|		|___|	|___|

Section T: Inventory of Household Agricultural Assets

T1. AT PRESENT, how much/many of the following does this household own that are usable/repairable?

	T1a.	T1b.
	Item	**Qty**
A	Large hoe	
B	Small hoe	
C	Cutlass/machete	
D	Shovel	
E	Spade	
F	Watering Can	
G	Hand Fork	
H	Sickle	
I	Pickaxe	
J	Drum	
K	Pesticide Sprayer	
L	Wheelbarrow	
M	Tractor	
N	Plough	
O	Cassava Grater / Gari processor	
P	Rice Milling Machine	
Q	Harrow	
R	Thresher	
S	Winnower	
T	Other 1 (specify) : _____	
U	Other 2 (specify) : _____	

Section U: Household Assets & Amenities

Basic Household Assets

U1	Does any member of your household own the following items? *1 = yes; 2= no*					
	a) bicycle	|___|	d) car / truck / motorcycle	|___|	g) TV	|___|
	b) mobile phone	|___|	e) fan *(electric fan only)*	|___|	h) radio OR radio cassette player	|___|
	c) generator	|___|	f) umbrella	|___|	i) torchlight	|___|
	j) large cooking pot	|___|				

Household Amenities

U2	**Enumerator:** What is the material of the floors of the main household dwelling?	*1 = earth / mud* *2 = wood* *3 = stone / brick* *4 = cement / concrete / tiles*	|___|
U3	**Enumerator:** What is the material of the roof of the main household dwelling?	*1 = thatch (grass / straw / palm fronds)* *2 = wood* *3 = corrugated iron (zinc / tin)* *4 = tarpaulin (plastic sheets)* *5 = cement / concrete / tiles*	|___|
U4	**Enumerator:** What is the material of the walls of your main household dwelling?	*1 = mud / mud bricks / wattle* *2 = wood* *3 = corrugated iron (zinc / tin);* *4 = stone / burnt bricks* *5 = cement / sandcrete*	|___|
U5	What is the main source of cooking material for this household?	*1 = wood* *2 = charcoal* *3 = gas* *4 = kerosene* *9 = other (specify): _____*	|___|
U6	Where does your household usually get water to drink?	*1 = tap* *2 = mechanical well* *3 = ordinary well* *4 = spring* *5 = river / stream / pond*	|___|
U7	How long does it take to walk to this place?	*write time in minutes or 00 if within compound*	|___|___| minutes
U8	What type of toilet facility does your household use?	*1 = VIP* *2 = flushed inside* *3 = flushed outside* *4 = pit* *5 = bucket* *6 = bush / river bed* *7 = other* *(specify):_____*	|___|

Section V: **Post-Interview Assessment:**

Enumerator: Complete the following questions based on your experience in this interview.

V1	GPS Coordinates of Target Household's Main Dwelling **Enumerator:** Make sure satellites have been acquired before recording coordinates. If Elevation = 0, restart the machine.	N |___|___| ° |___|___| . |___|___|___| W |_0_|___|___| ° |___|___| . |___|___|___| Elevation: _____ ft

V2	Time interview ends:	(24 hour clock)	|___|___| : |___|___|

V3	Where was this interview conducted?	1 = Target respondent's house 2 = Community Structure (specify): _____ 3 = Other (specify): _____	|___|

V4	Was the Primary Respondent the head of the household?		1 = yes 2 = no >> V5	|___|
V4a	If No, what is the HH ID of the primary respondent?		use HHID from Household Roster	|___|___|
V4b	If No, why is the head of household unavailable to be interviewed?	1 = participated but was not Primary Respondent 2 = has moved temporarily/seasonally 3 = is ill 4 = has travelled 5 = not involved with h/h agriculture 6 = too busy / refused 7 = asked someone else to answer participate 9 = other (specify): _____		|___|

V5	What language did you administer this survey in?		use ETHNICITY codes	|___|___|
V6	How was the Primary Respondent's skill in speaking and understanding [THE LANGUAGE SPECIFIED IN V5]?	1 = Displayed no problems speaking or understanding 2 = Displayed a little difficulty speaking or understanding 3 = Displayed moderate difficulty speaking or understanding 4 = Displayed serious problems speaking or understanding, or does not understand at all		|___|
V7	Did a local translator assist in administering this survey		1 = yes 2 = no >> V8	|___|
V7a	If YES, What was this translator's relationship to the respondent?	1 = Household Member (specify HH ID): |___|___| 2 = Other Family Member (not HH member) 3 = Neighbor or co-worker 4 = Teacher / School official 5 = Other (specify): _____		|___|

V8	Apart from the Primary Respondent & Local Translator, did any other household members actively participate in the interview?		1 = yes 2 = no >> V9	|___|
V8a	If yes, specify up to 3 HH ID's:	i: |___|___| ; ii: |___|___| ; iii: |___|___|		

V9	How confident are you in the overall quality and accuracy of the responses to the survey?	1=Very confident >> V10 2=Somewhat confident 3=Not confident	|___|
V9a. If SOMEWHAT or NOT CONFIDENT, Explain briefly:			

V10. Describe any problems you encountered with the questionnaire while administering the survey:

V11. Describe any other problems you encountered while administering the survey:

Team Supervisor:

V12. Date Reviewed (DD/MM/YY): |___|___| / |___|___| / |___|___|

V13. Rate the quality of this questionnaire: |___|

1 = No noticeable problems
2 = Only minor problems (e.g. few skips not observed, minor logical inconsistencies)
3 = Some significant problems (e.g. some questions incomplete, major logical inconsistencies)
4 = Serious problems. Validity of most information is questionable.

V14. Document Any Significant Problems Noticed Here:

Team Supervisor Signature: _____

District Coordinator:

V15. District Coordinator ID: |___|___|

V16. Date Reviewed (DD/MM/YY): |___|___| / |___|___| / |___|___|

V17. Rate the quality of this questionnaire: |___|

1 = No noticeable problems
2 = Only minor problems (e.g. few skips not observed, minor logical inconsistencies)
3 = Some significant problems (e.g. some questions incomplete, major logical inconsistencies)
4 = Serious problems. Validity of most information is questionable.

V18. Document Any Significant Problems Noticed Here:

District Coordinator Signature: _____