

CONFIDENTIAL



Federal Republic of Nigeria
National Bureau of Statistics Abuja, Nigeria

GENERAL HOUSEHOLD SURVEY-PANEL Wave 3 (2015/16) Post-Harvest Visit Agriculture Questionnaire



THIS INFORMATION IS STRICTLY CONFIDENTIAL AND IS TO BE USED FOR STATISTICAL PURPOSES ONLY.

SECTION A-1: HOUSEHOLD IDENTIFICATION

	Name	Code
1. Zone	<input type="text"/>	<input type="text"/>
2. STATE:	<input type="text"/>	<input type="text"/> <input type="text"/>
3. LGA	<input type="text"/>	<input type="text"/> <input type="text"/>
4. SECTOR (Urban=1, Rural=2)	<input type="text"/>	<input type="text"/>
5. EA	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
6. RIC	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
7. HOUSEHOLD NO.	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
8. NAME OF HOUSEHOLD HEAD:	<input type="text"/>	
9. ADDRESS OF HOUSEHOLD HEAD:	<input type="text"/> <input type="text"/>	
10. NAME OF INTERVIEWER:	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
11. NAME OF SUPERVISOR:	<input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
11a. NAME OF RESPONDENT:	<input type="text"/>	

INDICATE THE PLACE OF THIS QUESTIONNAIRE IN THE SET OF QUESTIONNAIRES COMPLETED FOR THIS HOUSEHOLD

QUESTIONNAIRE ____ OF ____ TOTAL

12. SECTIONS MISSING/INCOMPLETE AFTER 1ST INTERVIEW:

COVER	Section A1 LAND	Section A2 LABOR	Section 11C2 INPUT COST	Section 11D FERTILIZER ACQUISITION	Section A3 PRODUCTION / DISPOSITION	Section A4 AG CAPITAL

Section A5 EXTENSION SERVICES	Section A8 OTHER AG INCOME: BY- PRODUCT	Section A9 FISHING	Section A10 NETWORK ROSTER

13. SECTIONS MISSING/INCOMPLETE AFTER 2ND INTERVIEW:

COVER	Section A1 LAND	Section A2 LABOR	Section 11C2 INPUT COST	Section 11D FERTILIZER ACQUISITION	Section A3 PRODUCTION / DISPOSITION	Section A4 AG CAPITAL

Section A5 EXTENSION SERVICES	Section A8 OTHER AG INCOME: BY-	Section A9 FISHING	Section A10 NETWORK ROSTER

14. SECTIONS MISSING/INCOMPLETE AFTER 3RD INTERVIEW:

COVER	Section A1 LAND	Section A2 LABOR	Section 11C2 INPUT COST	Section 11D FERTILIZER ACQUISITION	Section A3 PRODUCTION / DISPOSITION	Section A4 AG CAPITAL

Section A5 EXTENSION SERVICES	Section A8 OTHER AG INCOME: BY-	Section A9 FISHING	Section A10 NETWORK ROSTER

OBSERVATIONS ON THE INTERVIEW

RECORD GENERAL NOTES ABOUT THE INTERVIEW AND RECORD ANY SPECIAL INFORMATION THAT WILL BE HELPFUL FOR SUPERVISORS AND THE ANALYSIS OF THIS QUESTIONNAIRE.

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FLAP C: USE THIS FLAP WITH SECTIONS A1, A2, 11C2, and 11D

QUESTIONS 1, 1b, AND 2 MUST BE PRE-FILLED BEFORE GOING TO THE HOUSEHOLD.

P L O T I D	1.	1b.	2.
	<p>ENUMERATOR: PREFILL THE LIST OF PLOTS FROM THE POST PLANTING VISIT</p> <p>ASK: Please tell me about any plots of land the household has obtained or used since the last interview?</p> <p>ENUMERATOR: ADD THE NEW PLOTS TO THE END OF THE LIST HERE.</p>	<p>WAS PLOT MEASURED USING GPS IN THE PREVIOUS VISIT?</p> <p>YES...1 NO...2</p>	<p>Who in the household manages this [PLOT]? FOR EACH PLOT, ASK THE QUESTIONS OF THE PLOT MANAGER. COPY ID FROM HH ROSTER</p>
	PLOT NAME AND DESCRIPTION		ID CODE

1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

SECTION A1: LAND

USE PLOT FLAP C

P L O T I D	3.	4.	4b.	5.	6.	7.	8.	9.			
	ENUMERATOR: IS THIS A NEW PLOT (ADDED SINCE POST- PLANTING)?	Do you or anyone in this household still own or use this plot?	ENUMERATOR: IS THERE A YES REPOSE IN QUESTION 1b ON FLAP C?	How was this [PLOT] disposed of? LEASE ENDED.....1 RETURNED LOANED LAND..2 GAVE TO RELATIVE....3 GAVE TO OTHER INDIVIDUAL..4 TAKEN FROM YOU.....5 SOLD TO RELATIVE....6 SOLD TO OTHER INDIVIDUAL..7 OTHER, SPECIFY.....8	How much did you receive for this [PLOT]? INCLUDE AN ESTIMATE OF TOTAL CASH AND IN-KIND PAYMENTS.	Why did you get rid of this [plot]? TO OBTAIN BETTER QUALITY LAND.....1 TO OBTAIN LAND CLOSER.....2 NOT PROFITABLE.....3 CANNOT FARM ANYMORE.....4 TO INVEST IN BUSINESS.....5 NEEDED MONEY FOR EDUCATION.....6 NEEDED MONEY FOR OTHER NEEDS.....7 TO REPAY DEBT..8 TAKEN.....9 OTHER, SPECIFY.....10	ENUMERATOR: RECORD THE ID OF THE RESPONDENT. LIST FROM HOUSEHOLD ROSTER HH ROSTER ID CODE	What is the area of [PLOT]? ENUMERATOR: ASK THE FARMER TO ESTIMATE THE AREA. AFTER THE INTERVIEW: MEASURE THE PLOT USING THE GPS UNIT AND ENTER THE RESULT HERE. DO NOT OMIT RECORDING ZEROS TO THE RIGHT OF THE DECIMAL POINT. UNITS HEAPS.....1 RIDGES.....2 STANDS.....3 PLOTS.....4 ACRES.....5 HECTARES.....6 SQUARE METERS..7	NUMBER	UNIT	GPS MEASURED IN SQ. METER
	YES...1 (► Q8) NO..2	YES...1 NO..2 (► Q5)	YES...1 (► Q23) NO...2 (► Q9 GPS ONLY)		NAIRA	(► NEXT PLOT)					
1											
2											
3											
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SECTION A1: LAND

P L O T I D	10.												10a.	10b.	10c.	11.	
	ENUMERATOR: RECORD THE COORDINATES FOR THE CENTER POINT OF THE [PLOT]. SAVE LABEL AS HOUSEHOLD ID AND PLOT ID												ENUMERATOR: WAS [PLOT] MEASURED BY GPS?	WHY WAS [PLOT] NOT MEASURED BY GPS? TOO FAR.....1 THE FIELD IS OUT OF LGA.....2 IMPOSSIBLE TO READ THE BEARING DUE TO THE FIELD LOCATION3 UNWILLINGNESS OF THE HOLDER.....4 OTHER (SPECIFY)5	ENUMERATOR: IS THIS A NEW PLOT?	Who in the household manages this [PLOT]? ENUMERATOR: FOR THE FOLLOWING SECTIONS ABOUT THE PLOT, ASK THE PLOT MANAGER FOR INFORMATION.	
	LATITUDE (N)				LONGITUDE (E)				PLOT LABEL				YES...1 (► Q10c) NO...2		YES...1 NO...2 (► Q23)	ID CODE	ID CODE
1																	
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SECTION A1: LAND

		PURCHASED PLOTS						RENTED PLOTS			
P L O T I D	12.	13.	14.		15.	16.	17.	18.			19.
	How was this [PLOT] acquired?	How much in total was paid for this [PLOT] (Include both cash and payments in-kind).	Who is the owner of this [PLOT]?		Do you, personally, have the right to sell this [PLOT]?	Do you, personally, have the right to use this [PLOT] as collateral?	Does anyone else in the household have the right to sell this [PLOT] or use it as collateral?	Who else in the household has the right to sell this [PLOT] or use it as collateral?			Since the beginning of the planting season, how much have you paid, in cash, for renting this [PLOT]?
	OUTRIGHT PURCHASE.....1 RENTED FOR CASH OR IN-KIND GOODS FROM OTHER HOUSEHOLDS.....2 (►Q19) USED FREE OF CHARGE.....3 (►Q21) DISTRIBUTED BY COMMUNITY.....4 (►Q21) FAMILY/INHERITANCE.....5 (►Q15)		COPY ID FROM HH ROSTER		YES....1 NO.....2	YES....1 NO.....2	YES....1 NO.....2 (► Q21)	COPY ID FROM HH ROSTER (► Q21)			
		NAIRA	ID CODE	ID CODE				ID CODE	ID CODE	ID CODE	NAIRA
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2											
3											
4											
5											
6											
7											
8											
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SECTION A1: LAND

DTS

P L O T I D	20.	21.	22.				23.	24.			25.
	Since the beginning of the planting season, what is the value of any payments in-kind you have made for renting this [PLOT]?	Are there other members of the household who cultivate crops for which they are the primary decision-makers on this [PLOT]?	WRITE THE ID CODES OF THESE OTHER HOUSEHOLD MEMBERS WHO ARE DECISION MAKERS ON THIS [PLOT]. COPY ID FROM HH ROSTER (▶ NEXT PLOT)				Has the manager of this plot changed since the last interview?	Who currently manages the plot? LIST UP TO THREE INDIVIDUAL IDS IN ORDER OF THEIR MANAGERIAL RESPONSABILITIES ON THE PLOT.			Why was the management of the plot changed? DIFFERENT CROPS PLANTED ON PLOT.....1 PREVIOUS MANAGER MOVED.....2 PREVIOUS MANAGER HAD TOO MUCH WORK.....3 NEW MANAGER HAS BETTER KNOWLEDGE.....4 NEW MANAGER HAS BETTER ACCESS TO CAPITAL.....5 NEW MANAGER HAS BETTER ACCESS TO INPUTS.....6 OTHER (SPECIFY).....7
	YES.....1 NO.....2 (▶ NEXT PLOT)		ID CODE	ID CODE	ID CODE	ID CODE	YES.....1 NO.....2 (▶ NEXT PLOT)	ID CODE 1	ID CODE 2	ID CODE 3	
1											
2											
3											
4											
5											
6											
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9											
10											

SECTION A2: LABOR

Now I would like to ask you about the plot you planted during the last agricultural (rainy) season

HOUSEHOLD LABOUR (BETWEEN PLANTING AND HARVESTING)

P L O T I D	1a.	1b.															
	How many household members worked on [PLOT] between planting and harvesting in the last rainy season on non-harvest activities? For example weeding, ridging, fertilizer, etc.	Please list for me the household members that worked on [PLOT] between planting and harvesting in the last rainy season on non-harvest activities such as weeding, ridging, fertilizing, etc. RECORD THE ID CODES FROM THE HH ROSTER IN THE COLUMN FOR HH ROSTER ID. IF NO ONE ENGAGED IN NON-HARVEST ACTIVITIES RECORD [-] IN ALL COLUMNS DESIGNATED FOR "ROSTER ID" . IF LESS THAN 8 HH MEMBERS ENGAGED IN NON-HARVEST ACITIVITIES, RECORD [-] IN OTHER COLUMNS DESIGNATED FOR ROSTER ID. How many <u>weeks</u> did [NAME] work on non-harvest activities such as weeding, ridging, fertilizing, etc. <u>between planting and harvesting</u> on [PLOT]? During those weeks, approximately how many <u>days</u> did [NAME] work <u>per week</u> on [PLOT]? During those days, approximately how many <u>hours</u> did [NAME]work <u>per day</u> on [PLOT]?															
	NUMBER	1ST MEMBER				2ND MEMBER				3RD MEMBER				4TH MEMBER			
	HH ROSTER ID CODE #1	WEEKS (TOTAL)	DAYS PER WEEK (MUST BE AT MOST 7 DAYS)	HOURS PER DAY (MUST BE LESS THAN 18)	HH ROSTER ID CODE #2	WEEKS (TOTAL)	DAYS PER WEEK (MUST BE AT MOST 7 DAYS)	HOURS PER DAY (MUST BE LESS THAN 18)	HH ROSTER ID CODE #3	WEEKS (TOTAL)	DAYS PER WEEK (MUST BE AT MOST 7 DAYS)	HOURS PER DAY (MUST BE LESS THAN 18)	HH ROSTER ID CODE #4	WEEKS (TOTAL)	DAYS PER WEEK (MUST BE AT MOST 7 DAYS)	HOURS PER DAY (MUST BE LESS THAN 18)	
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P L O T I D	1b. continued															
	Repeated from previous page: Please list for me the household members that worked on [PLOT] between planting and harvesting in the last rainy season on non-harvest activities such as weeding, ridging, fertilizing, etc.															
	RECORD THE ID CODES FROM THE HH ROSTER IN THE COLUMN FOR HH ROSTER ID.															
	IF NO ONE ENGAGED IN NON-HARVEST ACTIVITIES RECORD [-] IN ALL COLUMNS DESIGNATED FOR "ROSTER ID" .															
	IF LESS THAN 8 HH MEMBERS ENGAGED IN NON-HARVEST ACITIVITIES, RECORD [-] IN OTHER COLUMNS DESIGNATED FOR ROSTER ID.															
	How many <u>weeks</u> did [NAME] work on non-harvest activities such as weeding, ridging, fertilizing, etc. <u>between planting and harvesting on [PLOT]</u> ?															
	During those weeks, approximately how many <u>days</u> did [NAME] work <u>per week on [PLOT]</u> ?															
	During those days, approximately how many <u>hours</u> did [NAME]work <u>per day on [PLOT]</u> ?															
	5TH MEMBER				6TH MEMBER				7TH MEMBER				8TH MEMBER			
	HH ROSTER ID CODE #5	WEEKS (TOTAL)	<u>DAYS PER WEEK</u> (MUST BE AT MOST 7 DAYS)	<u>HOURS PER DAY</u> (MUST BE LESS THAN 18)	HH ROSTER ID CODE #6	WEEKS (TOTAL)	<u>DAYS PER WEEK</u> (MUST BE AT MOST 7 DAYS)	<u>HOURS PER DAY</u> (MUST BE LESS THAN 18)	HH ROSTER ID CODE #7	WEEKS (TOTAL)	<u>DAYS PER WEEK</u> (MUST BE AT MOST 7 DAYS)	<u>HOURS PER DAY</u> (MUST BE LESS THAN 18)	HH ROSTER ID CODE #8	WEEKS (TOTAL)	<u>DAYS PER WEEK</u> (MUST BE AT MOST 7 DAYS)	<u>HOURS PER DAY</u> (MUST BE LESS THAN 18)
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6																
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8																
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10																

SECTION A2: LABOR

HIRED LABOR (BETWEEN PLANTING AND HARVESTING)

P L O T I D	MEN			WOMEN			CHILDREN (LESS THAN 15 YEARS)		
	1c.	1d.	1e.	1f.	1g.	1h.	1i.	1j.	1k.
	How many men did you hire to work on [PLOT] between planting and harvesting in the last agricultural (rainy) season? IF NONE, RECORD ZERO AND ► Q5	How many days did you hire men to work on [PLOT] between planting and harvesting in the last agricultural (rainy) season?	Normally, how much in TOTAL would you pay per day to the hired men to work on [PLOT] between planting and harvesting in the last agricultural (rainy) season?	How many women did you hire to work on [PLOT] for between planting and harvesting in the last agricultural (rainy) season? IF NONE, RECORD ZERO AND ► Q8	How many days did you hire women to work on [PLOT] between planting and harvesting in the last agricultural (rainy) season?	Normally, how much in TOTAL would you pay per day to the hired women to work on [PLOT] between planting and harvesting in the last agricultural (rainy) season?	How many children (<15 years old) did you hire to work on [PLOT] between planting and harvesting in the last agricultural (rainy) season? IF NONE, RECORD ZERO AND ► Q10b	How many days did you hire children (<15 years old) to work on [PLOT] between planting and harvesting in the last agricultural (rainy) season?	Normally, how much in TOTAL would you pay per day to the hired children (<15 years) to work on [PLOT] between planting and harvesting in the last agricultural (rainy) season?
	NUMBER	DAYS	NAIRA	NUMBER	DAYS	NAIRA	NUMBER	DAYS	NAIRA
1									
2									
3									
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5									
6									
7									
8									
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10									

SECTION A2: LABOR

P L O T I D	1l. INTERVIEWER: IS THERE A ZERO RESPONSE TO QUESTIONS 2, 5 AND 8?	1m. How much harvested crop did you give in total to all workers hired between planting and harvesting in the last agricultural (rainy) season on [PLOT]?			1n. How many days did men, women or children (<15 years of age) from other households work on this [PLOT] between planting and harvesting in the last agricultural (rainy) season, free of charge, as <u>exchange labourers</u> or to <u>assist for nothing in return</u> ? IF NONE, RECORD ZERO IN ALL COLUMNS AND (► Q14).			1o. From which other household did the exchange/free labour come to work on [PLOT] between planting and harvesting in the last agricultural (rainy) season? LIST UP TO 3 FROM NETWORK ROSTER		
	YES...1 (► 12) NO..2	SEE UNIT CODES			MEN	WOMEN	CHILDREN	NETWORK ROSTER ID CODE #1	NETWORK ROSTER ID CODE #2	NETWORK ROSTER ID CODE #3
		CROP CODE	QUANTITY	UNIT CODE	DAYS	DAYS	DAYS			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

HOUSEHOLD LABOR (FOR HARVESTING AND THRESHING)

P L O T I D	1p.	1															
	How many household members worked on [PLOT] for <u>harvesting</u> and <u>threshing</u> during the last rainy season?	<p>During the last agricultural (rainy) season (do not include the dry season harvest), please list for me the household members that worked on this [PLOT] for <u>harvesting</u> and <u>threshing</u>.</p> <p>RECORD THE ID CODES FROM THE HH ROSTER IN THE COLUMN FOR HH ROSTER ID.</p> <p>IF NO ONE ENGAGED IN HARVESTING, RECORD [-] IN ALL COLUMNS DESIGNATED FOR "ROSTER ID" .</p> <p>IF LESS THAN 8 HH MEMBERS ENGAGED IN HARVESTING, RECORD [-] IN OTHER COLUMNS DESIGNATED FOR ROSTER ID.</p> <p>How many <u>weeks</u> did [NAME] work on [PLOT] for harvesting and threshing?</p> <p>During those weeks, approximately how many <u>days</u> did [NAME] work <u>per week</u> on [PLOT]?</p> <p>During those days, approximately how many <u>hours</u> did [NAME] work <u>per day</u> on [PLOT]?</p>															
	NUMBER	1ST MEMBER				2ND MEMBER				3RD MEMBER				4TH MEMBER			
	HH ROSTER ID CODE #1	WEEKS (TOTAL)	DAYS PER WEEK (MUST BE AT MOST 7 DAYS)	HOURS PER DAY (MUST BE LESS THAN 18)	HH ROSTER ID CODE #2	WEEKS (TOTAL)	DAYS PER WEEK (MUST BE AT MOST 7 DAYS)	HOURS PER DAY (MUST BE LESS THAN 18)	HH ROSTER ID CODE #3	WEEKS (TOTAL)	DAYS PER WEEK (MUST BE AT MOST 7 DAYS)	HOURS PER DAY (MUST BE LESS THAN 18)	HH ROSTER ID CODE #4	WEEKS (TOTAL)	DAYS PER WEEK (MUST BE AT MOST 7 DAYS)	HOURS PER DAY (MUST BE LESS THAN 18)	
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SECTION A2: LABOR

1. *continued*

Repeated from previous page: During the last agricultural (rainy) season (do not include the dry season harvest), please list for me the household members that worked on this [PLOT] for **harvesting** and **threshing**.

RECORD THE ID CODES FROM THE HH ROSTER IN THE COLUMN FOR HH ROSTER ID.

IF NO ONE ENGAGED IN HARVESTING, RECORD [-] IN ALL COLUMNS DESIGNATED FOR "ROSTER ID" .

IF LESS THAN 8 HH MEMBERS ENGAGED IN HARVESTING, RECORD [-] IN OTHER COLUMNS DESIGNATED FOR ROSTER ID.

How many weeks did [NAME] work on [PLOT] for harvesting and threshing?

During those weeks, approximately how many days did [NAME] work per week on [PLOT]?

During those days, approximately how many hours did [NAME] work per day on [PLOT]?

5TH MEMBER				6TH MEMBER				7TH MEMBER				8TH MEMBER			
HH ROSTER ID CODE #5	WEEKS (TOTAL)	<u>DAYS PER</u> WEEK (MUST BE AT MOST 7 DAYS)	<u>HOURS PER</u> DAY (MUST BE LESS THAN 18)	HH ROSTER ID CODE #6	WEEKS (TOTAL)	<u>DAYS PER</u> WEEK (MUST BE AT MOST 7 DAYS)	<u>HOURS PER</u> DAY (MUST BE LESS THAN 18)	HH ROSTER ID CODE #7	WEEKS (TOTAL)	<u>DAYS PER</u> WEEK (MUST BE AT MOST 7 DAYS)	<u>HOURS PER</u> DAY (MUST BE LESS THAN 18)	HH ROSTER ID CODE #8	WEEKS (TOTAL)	<u>DAYS PER</u> WEEK (MUST BE AT MOST 7 DAYS)	<u>HOURS PER</u> DAY (MUST BE LESS THAN 18)

[illegible]

HIRED LABOR (FOR HARVESTING AND THRESHING)

P L O T I D	MEN			WOMEN			CHILDREN (LESS THAN 15 YEARS)		
	2.	3.	4.	5.	6.	7.	8.	9.	10.
	During the last agricultural (rainy) season, how many men did you hire to work on [PLOT] for harvesting and threshing? IF NONE, RECORD ZERO AND ► Q18	During the last agricultural (rainy) season, how many days did you hire men to work on [PLOT] for harvesting and threshing?	Normally, how much in TOTAL would you pay per day to the hired men to work on [PLOT] for harvesting and threshing?	During the last agricultural (rainy) season, how many women did you hire to work on [PLOT] for harvesting and threshing? IF NONE, RECORD ZERO AND ► Q21	During the last agricultural (rainy) season, how many days did you hire women to work on [PLOT] for harvesting and threshing?	Normally, how much in TOTAL would you pay per day to the hired women to work on [PLOT] for harvesting and threshing?	During the last agricultural (rainy) season, how many children (<15 years old) did you hire to work on [PLOT] for harvesting and threshing? IF NONE, RECORD ZERO AND ► Q23b	During the last agricultural (rainy) season, how many days did you hire children (<15 years old) to work on [PLOT] for harvesting and threshing?	Normally, how much in TOTAL would you pay per day to the hired children (<15 years) to work on [PLOT] for harvesting and threshing?
	NUMBER	DAYS	NAIRA	NUMBER	DAYS	NAIRA	NUMBER	DAYS	NAIRA
1									
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3									
4									
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8									
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10									

SECTION A2: LABOR

P L O T I D	10a.	11.			12.			13.		
	INTERVIEWER: IS THERE A ZERO RESPONSE IN QUESTIONS 15, 18 <u>AND</u> 21?	How much harvested crop did you give in total to all workers hired for harvesting and threshing on this plot?			During the last agricultural (rainy) season, how many days did men, women or children (<15 years of age) from other households work on this [PLOT] for harvesting and threshing? , free of charge, as <u>exchange labourers</u> or to <u>assist for nothing in return?</u>			From which other household did the exchange/free labour come to work on [THIS PLOT] for harvesting and threshing?		
	YES...1 (► Q25) NO..2	SEE CROP AND UNIT CODES ABOVE			IF NONE, RECORD ZERO IN ALL COLUMNS AND (► NEXT PLOT).			LIST UP TO 3 FROM NETWORK ROSTER		
	CROP CODE	QUANTITY	UNIT CODE	MEN DAYS	WOMEN DAYS	CHILDREN DAYS	NETWORK ROSTER ID CODE #1	NETWORK ROSTER ID CODE #2	NETWORK ROSTER ID CODE #3	
1										
2										
3										
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8										
9										
10										

Now I would like to ask about costs and expenses incurred this agricultural season for the production of crops.

PESTICIDE USE

P L O T I D	1.	2.		3.		4.		5.		6.	7.		8.	
	Have you used pesticide on [PLOT] this agricultural season?	What was the quantity of pesticide used on [PLOT] this agricultural season?		What was the source of pesticide?		How much was spent in cash on the pesticide you have used on your [PLOT] this agricultural season?		How much was spent in-kind on the pesticide you have used on your [PLOT] this agricultural season?		Did you receive any pesticide for free that you used on [PLOT] this agricultural season?	What was the quantity of free pesticide you have used on [PLOT] this agricultural season?		This agricultural season, from whom did you receive most of the free pesticide?	
	YES.....1 NO.....2 (► Q9)	UNIT CODE KILOGRAMS (kg) ...01 GRAMS (g)02 LITRE (l)03 CENTILITRE (cl) ..04		ENUMERATOR: LIST UP TO TWO SOURCES IN THE NETWORK ROSTER AND THEN COPY THE NETWORK CODES HERE.		LIST THE AMOUNT FOR EACH SOURCE, UP TO TWO, IN THE ORDER LISTED IN QUESTION 3.		LIST THE AMOUNT FOR EACH SOURCE, UP TO TWO, IN THE ORDER LISTED IN QUESTION 3		YES.....1 NO.....2 (► Q9)	UNIT CODE KILOGRAMS (kg) ...01 GRAMS (g)02 LITRE (l)03 CENTILITRE (cl) ..04		ENUMERATOR: LIST UP TO TWO SOURCES IN THE NETWORK ROSTER AND THEN COPY THE NETWORK CODES HERE.	
		QTY	UNIT CODE	SOURCE 1 NETWORK CODE	SOURCE 2 NETWORK CODE	SOURCE 1 NAIRA	SOURCE 2 NAIRA	SOURCE 1 NAIRA	SOURCE 2 NAIRA		QTY	UNIT CODE	NETWORK CODE	NETWORK CODE
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														

SECTION 11C2: INPUT COST

HERBICIDE USE													
P L O T I D	9.	10.	11.		12.		13.		14.		15.	16.	
	Was there anytime this agricultural season that pesticide was not available when you needed it?	Have you used herbicide on [PLOT] this agricultural season?	What was the quantity of herbicide used on [PLOT] this agricultural season?		What was the source of herbicide?		How much was spent in cash on the herbicide you have used on [PLOT] this agricultural season?		How much was spent in-kind on the herbicide you have used on [PLOT] this agricultural season?		Did you receive any herbicide for free that you used on [PLOT] this agricultural season?	What was the quantity of free herbicide you have used on [PLOT] this agricultural season?	
	YES.....1 NO.....2	YES.....1 NO.....2 (► Q18)	UNIT CODE KILOGRAMS (kg)...01 GRAMS (g).....02 LITRE (l).....03 CENTILITRE (cl)..04		ENUMERATOR: LIST UP TO TWO SOURCES IN THE NETWORK ROSTER AND THEN COPY THE NETWORK CODES HERE.		LIST THE AMOUNT FOR EACH SOURCE, UP TO TWO, IN THE ORDER LISTED IN QUESTION 12.		LIST THE AMOUNT FOR EACH SOURCE, UP TO TWO, IN THE ORDER LISTED IN QUESTION 12.		YES.....1 NO.....2 (► Q18)	UNIT CODE KILOGRAMS (kg)...01 GRAMS (g).....02 LITRE (l).....03 CENTILITRE (cl)..04	
			QTY	UNIT CODE	SOURCE 1 NETWORK CODE	SOURCE 2 NETWORK CODE	SOURCE 1 NAIRA	SOURCE 2 NAIRA	SOURCE 1 NAIRA	SOURCE 2 NAIRA		QTY	UNIT CODE
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SECTION 11C2: INPUT COST

ANIMAL TRACTION																		
P L O T I D	17. This agricultural season, from whom did you receive most of the free herbicide? LIST UP TO 2 FROM NETWORK ROSTER		18. Was there anytime this agricultural season that herbicide was not available when you needed it? YES.....1 NO.....2		19. Did you use any animals for traction on your plot this agricultural season? YES.....1 NO.....2 (► Q26)		20. How many days did you use animals owned by the household for animal traction this agricultural season? DAYS		21. How many days did you use rented animals for animal traction this agricultural season? DAYS IF ZERO (► Q25)		22. What was the source of animals you rented? ENUMERATOR: LIST UP TO TWO SOURCES IN THE NETWORK ROSTER AND THEN COPY THE NETWORK CODES HERE. NETWORK CODE NETWORK CODE		23. How much was spent in cash on renting these animals for [PLOT] this agricultural season? UNIT HOUR.....1 DAY.....2 MONTH.....3 ACRE.....4 HECTARE.....5 PLANTING PERIOD..6 OTHER (SPECIFY)..7 NAIRA UNIT		24. How much was spent in-kind on renting animals this agricultural season? UNIT HOUR.....1 DAY.....2 MONTH.....3 ACRE.....4 HECTARE.....5 PLANTING PERIOD..6 OTHER (SPECIFY)..7 NAIRA UNIT		25. How much was spent on feeding the animals used for traction this agricultural season? NAIRA	
	1																	
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4																		
5																		
6																		
7																		
8																		
9																		
10																		

SECTION 11C2: INPUT COST

EQUIPMENT AND MACHINERY USE															
P L O T I D	26.	27.	28.						29.	30.					
	Was there anytime this agricultural season that animals were not available for rent when you needed them?	Did you use any equipment/ machines on your plot this agricultural season?	How many of machines or pieces of equipment owned by the household did you use on [PLOT] this agricultural season?						Did you rent any equipment / machines on your plot in the last 12 months?	How many rented machines or pieces of equipment did you use on [PLOT] this agricultural season?					
			LIST UP TO THREE TYPES IF NO OWNED MACHINES WERE USED, RECORD ZERO FOR QUANTITY FOR MACHINE 1 AND LEAVE THE REST BLANK. <u>MACHINE CODES</u> TRACTORS.....01 HARVESTER.....02 RIDGERS.....03 PLANTERS.....04 WHEEL BARROW.....05 CARTS.....06 GRINDER.....07 PEELING MACHINE.....08 DRIER.....09 OTHER (SPECIFY).....10							LIST UP TO THREE TYPES IF NO RENTED MACHINES WERE USED, RECORD ZERO FOR QUANTITY FOR MACHINE 1 AND LEAVE THE REST BLANK. <u>MACHINE CODES</u> TRACTORS.....01 HARVESTER.....02 RIDGERS.....03 PLANTERS.....04 WHEEL BARROW.....05 CARTS.....06 GRINDER.....07 PEELING MACHINE.....08 DRIER.....09 OTHER (SPECIFY).....10					
	YES.....1 NO.....2	YES...1 NO.....2 (► Q34)	MACHINE TYPE 1		MACHINE TYPE 2		MACHINE TYPE 3		NO.....1 NO.....2 (► Q34)	MACHINE TYPE 1		MACHINE TYPE 2		MACHINE TYPE 3	
			QTY	MACHINE CODE	QTY	MACHINE CODE	QTY	MACHINE CODE		QTY	MACHINE CODE	QTY	MACHINE CODE	QTY	MACHINE CODE
1															
2															
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SECTION 11C2: INPUT COST

P L O T I D	31. What was the source of machine or equipment you rented? ENUMERATOR: LIST UP TO TWO SOURCES IN THE NETWORK ROSTER AND THEN COPY THE NETWORK CODES HERE.		32. How much was spent in cash on renting the machine /equipment this agricultural season?	33. How much was spent in-kind on renting the machine /equipment this agricultural season?	34. Was there anytime this agricultural season that the machine /equipment were not available for rent when you needed it? YES.....1 NO.....2
	NETWORK CODE	NETWORK CODE	NAIRA	NAIRA	

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SECTION 11D: FERTILIZER ACQUISITION

LEFT OVER [INORGANIC FERTILIZER]							GOVERNMENT E-WALLET FERTILIZER SUBSIDY			
P L O T I D	1.	1a.	2.	3.	4.	5.	5a.	5b.	5c.	
	Have you used any organic or inorganic fertilizer on [PLOT] since the beginning of the agricultural season?	Have you used any inorganic fertilizer on [PLOT] since the beginning of the agricultural season? For example, NPK, Urea, etc.	Was any of the [INORGANIC FERTILIZER] that you used on [PLOT] this agricultural season left over from a previous season?	What is the main type of the left over inorganic fertilizer you have used on [PLOT] this agricultural season?	What was the quantity of this left over [INORGANIC FERTILIZER] that you have used on this plot this agricultural season?	Why did you choose to use this [INORGANIC FERTILIZER]?	Did you receive any e-wallet fertilizer subsidy from the government for the inorganic fertilizer used on [PLOT] this agricultural season?	What is the type of the inorganic fertilizer you used the e-wallet subsidy to purchase	What was the quantity of this e-wallet subsidized [INORGANIC FERTILIZER] used on [PLOT] this agricultural season?	
	ORGANIC FERTILIZER INCLUDES MANURE OR COMPOST			NPK.....1 UREA2 OTHER (SPECIFY) ..4	UNIT CODE KILOGRAMS (kg)...01 GRAMS (g).....02 LITRE (l).....03 CENTILITRE (cl)..04	PREFERENCE FOR TRADITIONAL VARIETY.....1 ADVICE FROM EXTENSION OFFICER.....2 ADVICE FROM INPUT SUPPLIER.....3 ADVICE FROM FELLOW FARMER.....4 OTHER (SPECIFY) ..5		NPK.....1 UREA2 OTHER (SPECIFY) ..4	UNIT CODE KILOGRAMS (kg)...01 GRAMS (g).....02 LITRE (l).....03 CENTILITRE (cl)..04	
	YES.....1 NO.....2 (► NEXT PLOT)	YES.....1 NO.....2 (► Q36)	YES.....1 NO.....2 (► Q5a)	TYPE	QTY	UNIT CODE			QTY	UNIT CODE
1										
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SECTION 11D: FERTILIZER ACQUISITION

		FREE [INORGANIC FERTILIZER]								
P L O T I D	5d.	5e.	6.	7.	8.		9.		10.	11.
	How much in total did you pay for the [INORGANIC FERTILIZER] purchased using the e-wallet subsidy?	If you did not have the e-wallet subsidy, how much would you have paid for the quantity of [INORGANIC FERTILIZER] in Q5c? IF THE RESPONDENT DOES NOT KNOW, ASK THEM TO ESTIMATE THE COST WITHOUT THE SUBSIDY	Did you receive any of the [INORGANIC FERTILIZER] that you used this agricultural season on [PLOT] for free? EXCLUDE ANY [INORGANIC FERTILIZER] LEFT OVER FROM PREVIOUS SEASON YES.....1 NO.....2 (► Q12)	What is the type of the inorganic fertilizer you used most? NPK.....1 UREA2 OTHER (SPECIFY) ..4	What was the quantity of this free inorganic fertilizer you have used on [PLOT] this agricultural season? UNIT CODE KILOGRAMS (kg)...01 GRAMS (g).....02 LITRE (l).....03 CENTILITRE (cl)..04		This agricultural season, from whom did you receive most of the [INORGANIC FERTILIZER] for free? ENUMERATOR: LIST UP TO TWO SOURCES IN THE NETWORK ROSTER AND THEN COPY THE NETWORK CODES HERE.		How much did you pay for transportation in total to acquire the [INORGANIC FERTILIZER] that you received for free this agricultural season? INCLUDE ALL TRIPS TO AND FROM YOUR FARM.	What was the main mode of transportation used to bring back the [INORGANIC FERTILIZER] that you received for free this agricultural season? ON FOOT.....1 WHEELBARROW.....2 COMMERCIAL BICYCLE.....3 OWN BICYCLE/ANIMAL CART/PUSH CART.....4 MOTORCYCLE.....5 TRUCK /BUS /MINIBUS.....6 BOAT.....7 OTHER (SPECIFY).....8
	NAIRA			TYPE	QTY	UNIT CODE	NETWORK CODE 1	NETWORK CODE 2	NAIRA	
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SECTION 11D: FERTILIZER ACQUISITION

1ST SOURCE OF COMMERCIAL [INORGANIC FERTILIZER]

P L O T I D	12.	13.		14.	15.	16.		17.	18.
	Did you purchase any inorganic fertilizer that you used on [PLOT] this agricultural season?	Who in the household paid for this inorganic fertilizer? LIST UP TO 2: COPY ID FROM HH ROSTER		Who/Which institution was the MAIN SOURCE of the [INORGANIC FERTILIZER] that you purchased for [PLOT] this agricultural season? ENUMERATOR: LIST SOURCE IN THE NETWORK ROSTER AND THEN COPY THE NETWORK CODE HERE.	What is the type of the inorganic fertilizer you used? NPK.....1 UREA2 OTHER (SPECIFY) ..4	What was the quantity of this [PURCHASED INORGANIC FERTILIZER] you have used on [PLOT] this agricultural season? UNIT CODE KILOGRAMS (kg)...01 GRAMS (g).....02 LITRE (l).....03 CENTILITRE (cl)..04		How much did you pay for transportation to acquire the [INORGANIC FERTILIZER] from [FIRST SOURCE] this agricultural season? INCLUDE ALL TRIPS FROM AND BACK TO YOUR FARM.	What was the main mode of transportation used to bring back the INORGANIC FERTILIZER that you purchased from [FIRST SOURCE] this agricultural season? ON FOOT.....1 WHEELBARROW.....2 COMMERCIAL BICYCLE.....3 OWN BICYCLE/ANIMAL CART/PUSH CART.....4 MOTORCYCLE.....5 TRUCK /BUS /MINIBUS.....6 BOAT.....7 OTHER (SPECIFY).....8
	EXCLUDE ANY INORGANIC FERTILIZER PURCHASED USING E-WALLET SUBSIDIES								
	YES....1								
	NO.....2 (► Q36)								
	ID CODE	ID CODE	NETWORK CODE	TYPE	QTY	UNIT CODE	NAIRA		

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SECTION 11D: FERTILIZER ACQUISITION

						2ND SOURCE OF COMMERCIAL [INORGANIC F		
P L O T I D	19.	20.	21.	22.	23.	24.	25.	
	What was the value of the [INORGANIC FERTILIZER] that you purchased from [FIRST SOURCE] this agricultural season?	How did you finance this [INORGANIC FERTILIZER] purchase from [FIRST SOURCE]? PAID IN FULL WITH OWN FUNDS.....1 (►Q24) PURCHASED ON CREDIT/LOAN.....2 PART OWN FUNDS, PART ON CREDIT/LOAN...3	How much did you pay up-front for this [INORGANIC FERTILIZER] purchase? IF NOTHING, RECORD ZERO. INCLUDE: CASH PAYMENTS AND ESTIMATED VALUE OF IN-KIND PAYMENTS	How much did you repay/will you repay for this purchased inorganic fertilizer? INCLUDE: CASH PAYMENTS AND ESTIMATED VALUE OF IN-KIND PAYMENTS	What was the source of credit for the [INORGANIC FERTILIZER] purchased from [FIRST SOURCE]? ENUMERATOR: LIST SOURCE IN THE NETWORK ROSTER AND THEN COPY THE NETWORK CODE HERE.	Was there a SECOND SOURCE from whom you purchased any of the [INORGANIC FERTILIZER] this agricultural season? <u>EXCLUDE ANY INORGANIC FERTILIZER PURCHASED USING E-WALLET SUBSIDIES</u> YES.....1 NO.....2 (►Q36)	Who in the household paid for this inorganic fertilizer? LIST UP TO 2: COPY ID FROM HH ROSTER	
	NAIRA		NAIRA	NAIRA	NETWORK CODE		ID CODE	ID CODE
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Nigeria General Household Survey - Panel Wave 3, 2015-2016
Post-Harvest Agricultural Questionnaire

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SECTION 11D: FERTILIZER ACQUISITION

[illegible]

FLAP D: PLOT-CROP ROSTER (use with Section A3.i)[illegible]

OPEN FLAP D PLOT-CROP ROSTER

[illegible]

CROP CODES

CROP	CODE	CROP	CODE	CROP	CODE
BEANS/COWPEA	1010	GINGER	2100	COCOA	3040
CASSAVA OLD	1020	GINGER PEELED	2101	COCOA POD	3041
COCOYAM	1040	GINGER SPLIT	2102	COCOA BEANS	3042
COTTON	1050	OTHER SPICES/VANILA	2103	COCONUT	3050
SEED COTTON	1051	GUM ARABIC	2110	COFFE	3060
COTTON LINT	1052	OKRO	2120	COFFE ARABICA	3061
COTTON SEED	1053	ONION	2130	COFFEE ROBUSTER	3062
GROUND NUT/PEANUTS	1060	PEPPER	2140	DATE PALM	3070
UNSHELLED GROUND NUTS	1061	SWEET PEPPER	2141	GRAPE FRUIT	3080
SHELLED GROUND NUTS	1062	SMALL PEPPER	2142	GUAVA	3090
GUINEA CORN/SORGHUM	1070	ATARE	2143	JUTE	3100
MAIZE	1080	PIGEON PEA	2150	KOLANUT	3110
UNSHELLED MAIZE(COB)	1081	PINEAPPLE	2160	KOLANUT UNSHELLED	3111
SHELLED MAIZE(GRAIN)	1082	PLANTAIN	2170	KOLANUT SHELLED	3112
POP CORN MAIZE	1083	POTATO	2180	BITTER KOLA	3113
MELON	1090	SWEET POTATO	2181	LEMON	3120
UNSHELLED MELON	1091	PUMPKIN	2190	LIME	3130
SHELLED MELON	1092	PUMPKIN LEAVE	2191	LOCUST BEAN	3140
WATER MELON	1093	PUMPKIN FRUIT	2192	MANDARIN/TANGERINE	3150
MILLET/MAIWA	1100	PUMPKIN SEED	2193	MANGO	3160
RICE	1110	GREEN VEGETABLE	2194	ORANGE	3170
UNSHELLED RICE(PADDY)	1111	DRY LEAVES(KUKA)	2195	OIL PALM TREE	3180
SHELLED RICE(MILLED)	1112	RIZGA	2200	FRESH FRUIT BUNCH	3181
YAM	1120	SHEA NUTS	2210	FRESH NUT	3182
WHITE YAM	1121	SOYA BEANS	2220	PALM OIL	3183
YELLOW YAM	1122	SUGAR CANE	2230	PALM KERNEL	3184
WATER YAM	1123	TEA	2240	AGBONO(ORO SEED)	3190
THREE LEAVE YAM	1124	TOBACCO	2250	OIL BEAN	3200
ACHA	2010	TOMATO	2260	PAWPAW	3210
BAMBARA NUT	2020	WALNUT	2270	PEAR	3220
BANANA	2030	WHEAT	2280	AVOCADO PEAR	3221
BEENI-SEED/SESAME	2040	ZOBO	2290	RUBBER	3230
CARROT	2050	ZOBO SEED	2291	RUBBER LUMP	3231
CUCUMBER	2060	APPLE	3010	RUBBER SHEET	3232
CABBAGE	2070	CASHEW	3020	CHERRY(AGBALUMO)	3240
LETUS	2071	CASHEW FRUIT	3021	ERU	3250
GARDEN EGG	2080	CASHEW NUT	3022	IYERE	3260
GARLIC	2090	CHILLI	3030		

CROP PRODUCTION UNIT CODES

UNIT	CODE	UNIT	CODE
Kilograms (Kg)	1	Bunch Small	100
Grams (g)	2	Bunch Medium	101
Litres (l)	3	Bunch Large	102
Centilitres (cl)	4		
		Stalk Small	110
Bin/basket	10	Stalk Medium	111
Paint Rubber	11	Stalk Large	112
Milk cup	12		
Cigarette cup	13	Packet/sachet Small	120
Tin	14	Packet/sachet Medium	121
		Packet/sachet Large	122
Congo small	20		
Congo large	21	Sack/Bag Small	130
		Sack/Bag Medium	131
Mudu Small	30	Sack/Bag Large	132
Mudu Large	31		
		Basket Small	140
Derica Small	40	Basket Medium	141
Derica Medium	41	Basket Large	142
Derica Large	42		
Derica Very Large	43	Basin Small	150
		Basin Medium	151
Tiya Small	50	Basin Large	152
Tiya Medium	51		
Tiya Large	52	Bundle Small	160
		Bundle Medium	161
Kobiowu Small	60	Bundle Large	162
Kobiowu Medium	61		
Kobiowu Large	62	Wheelbarrow	170
		Pick-up	180
Bowl Small	70		
Bowl Medium	71	Jerry can/rubber 10 Litre	190
Bowl Large	72	Jerry can/rubber 20 Litre	191
		Jerry can/rubber 25 Litre	192
Piece Small	80	Jerry can/rubber 50 Litre	193
Piece Medium	81		
Piece Large	82	Other (specify)	900
Heap Small	90		
Heap Medium	91		
Heap Large	92		

FLAP E: CROP ROSTER (use with Section A3.ii)

C R O P N U M B E R	1.	2.
	LIST ALL HARVESTED CROPS FROM FLAP D. DO NOT LIST CROPS MORE THAN ONCE. IF THE RESPONDENTS HARVESTED MAIZE FROM 2 DIFFERENT PLOTS, LIST MAIZE ONCE.	CROP CODE
	CROP NAME	CODE

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OPEN FLAP E: CROP ROSTER**SALE OF UNPROCESSED CROP**

C R O P N U M B E R	3.	4.	5.		6.	7.		8.		9.		10.
	Did you sell any unprocessed [CROP] since the harvest? YES.....1 NO.....2(► Q11)	When did you sell the unprocessed [CROP]? OCT.....01 NOV.....02 DEC.....03 JAN.....04 FEB.....05 MAR.....06 APR.....07	How much of harvested [CROP] did you sell? SEE UNIT CODES	QUANTITY	What was the value of the sales of [CROP]? NAIRA	PROD. UNIT CODE	NETWORK CODE	NETWORK CODE	ID CODE	ID CODE	ID CODE	ID CODE
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15												

OTHER CROP DISPOSITION

C R O P N U M B E R	11.		12.		13.		14.		15.		16.	
	How much of the harvest of [CROP] was stored as seed for the next agricultural (rainy) season? IF NONE, RECORD "0" FOR QUANTITY AND LEAVE UNIT BLANK SEE UNIT CODES		How much of the harvest of [CROP] was used as feed? IF NONE, RECORD "0" FOR QUANTITY AND LEAVE UNIT BLANK SEE UNIT CODES		How much of the harvest of [CROP] was consumed? IF NONE, RECORD "0" FOR QUANTITY AND LEAVE UNIT BLANK SEE UNIT CODES		How much of the harvest of [CROP] was given as payment for labor [in kind payment]? IF NONE, RECORD "0" FOR QUANTITY AND LEAVE UNIT BLANK SEE UNIT CODES		How much of the harvest of [CROP] was given as payment for non-labor [in kind payment]? IF NONE, RECORD "0" FOR QUANTITY AND LEAVE UNIT BLANK SEE UNIT CODES		How much of the harvest of [CROP] was given as reimbursement for share-cropping? IF NONE, RECORD "0" FOR QUANTITY AND LEAVE UNIT BLANK SEE UNIT CODES	
	QUANTITY	PROD. UNIT CODE	QUANTITY	PROD. UNIT CODE	QUANTITY	PROD. UNIT CODE	QUANTITY	PROD. UNIT CODE	QUANTITY	PROD. UNIT CODE	QUANTITY	PROD. UNIT CODE
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SECTION A3.ii: CROP DISPOSITION

SALE OF PROCESSED CROP													
C R O P N U M B E R	17.		18.			19.	20.		21.	22.		23.	
	How much of the harvest of [CROP] was given as gifts?		How much of the harvest of [CROP] was post harvest loss?			Did you sell any processed [CROP] since the harvest?	What was the quantity of the processed [CROP] sold?		What is the total value of the sales of processed [CROP]?	Who in your household was responsible for taking the processed [CROP] to the market and negotiating sale?		Who in the household decides on the use of the earnings?	
	IF NONE, RECORD "0" FOR QUANTITY AND LEAVE UNIT BLANK SEE UNIT CODES		REPORT EITHER QUANTITY OR SHARE IF NONE, RECORD "0" FOR QUANTITY AND LEAVE UNIT BLANK SEE UNIT CODES			YES.....1 NO.....2 (► NEXT CROP)	SEE UNIT CODES						
	QUANTITY	PROD. UNIT CODE	QUANTITY	PROD. UNIT CODE	SHARE (%)		QUANTITY	PROD. UNIT CODE	NAIRA	ID CODE	ID CODE	ID CODE	ID CODE
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SECTION A3.ii: CROP DISPOSITION

C R O P N U M B E R	24. How promptly were you paid? AT THE TIME OF THE SALE.....1 WITHIN ONE WEEK.....2 WITHIN ONE MONTH.....3 ONE MONTH OR MORE.....4	25. What kind of processing was done for [CROP]? DRYING.....1 MILLING.....2 GRIINDIN.....3 OTHER (SPECIFY)4	26. Does the processing of [CROP] require electricity? YES.....1 NO.....2 (► NEXT CROP)	27. What is the source of electricity used for processing [CROP]? PHCN ELECTRICITY...1 GENERATOR.....2 SOLAR PANEL...3 BIOMASS / CROP RESIDUE.....4 MINI-HYDRO....5 OTHER (SPECIFY)6
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SECTION A4: AGRICULTURAL CAPITAL

1.			2.				3.	3b	4.	5.	6.			7.	8.
How many of the following items does your household own? WRITE THE TOTAL NUMBER OF ITEMS THAT THE HOUSEHOLD POSSESSES. IF NONE PUT '0' AND ► NEXT ITEM			Who is the person that owns this item? WRITE THE ID OF UP TO FOUR PERSONS WHO OWNS THE ITEM. IF OWNED BY HOUSEHOLD WRITE "98" UNDER "ID 1" AND LEAVE THE REST BLANK.				How long ago was [ITEM] acquired? IF LESS THAN ONE YEAR, ENTER 0	How much did you pay for the [ITEM] at the time of purchase? IF MORE THAN ONE, CONSIDER THE NEWEST	If you wanted to sell one of this [ITEM] today, how much would you receive? IF MORE THAN ONE CONSIDER THE NEWEST	Which other persons in the household use this equipment? LIST THE ID OF EACH PERSON IN ORDER OF FREQUENCY OF USE	Was [ITEM] rented out at any time in the last 12 months? YES.....1 NO.....2(► NEXT ITEM)			What was the total value in Naira of all rentals?	How many days was [ITEM] rented out?
ITEM	ITEM CODE	NUMBER OF ITEMS	ID 1	ID 2	ID 3	ID 4	YEARS	NAIRA	NAIRA	ID 1	ID 2	ID 3		NAIRA	DAYS
Tractor	301														
Plough	302														
Trailer/Cart	303														
Ridger	304														
Planter	305														
Pickup	306														
Harvester	307														
Water pump	308														
Sprinkler	309														
Other animal drawn equipment	310														
Other tractor drawn equipment	311														
Sprayer	312														

SECTION A4: AGRICULTURAL CAPITAL

1.			2.				3.	3b.	4.	5.	6.			7.	8.
How many of the following items does your household own? WRITE THE TOTAL NUMBER OF ITEMS THAT THE HOUSEHOLD POSSESSES. IF NONE PUT '0' AND ► NEXT ITEM			Who is the person that owns this item? WRITE THE ID OF UP TO FOUR PERSONS WHO OWNS THE ITEM. IF OWNED BY HOUSEHOLD WRITE "98" UNDER "ID 1" AND LEAVE THE REST BLANK.				How long ago was [ITEM] acquired? IF LESS THAN ONE YEAR, ENTER 0	How much did you pay for the [ITEM] at the time of purchase? IF MORE THAN ONE, CONSIDER THE NEWEST	If you wanted to sell one of this [ITEM] today, how much would you receive? IF MORE THAN ONE CONSIDER THE NEWEST	Which other persons in the household use this equipment? LIST THE ID OF EACH PERSON IN ORDER OF FREQUENCY OF USE	Was [ITEM] rented out at any time in the last 12 months? YES.....1 NO.....2(► NEXT ITEM)			What was the total value in Naira of all rentals?	How many days was [ITEM] rented out?
ITEM	ITEM CODE	NUMBER OF ITEMS	ID 1	ID 2	ID 3	ID 4	YEARS	NAIRA	NAIRA	ID 1	ID 2	ID 3		NAIRA	DAYS
Outboard motor	313														
Canoe	314														
Boat	315														
Fishing net	316														
Safety equipment(fishing)	317														
Wheelbarrow	318														
Cutlass	319														
Hoe	320														
Sickle	321														
Other (Specify)	322														
Other (Specify)	322														
Other (Specify)	322														
Other (Specify)	322														

SECTION A5a: EXTENSION SERVICES (TOPICS)

T O P I C C O D E	1.	2.
	<p>In this agricultural (rainy) season, did you or anyone in your household receive any advice on [TOPIC]?</p> <p>ASK FOR EACH TOPIC BEFORE (► Q2).</p> <p>IF NO TO ALL (► SECTION A8)</p> <p>YES.....1</p> <p>NO.....2 (► NEXT TOPIC)</p>	<p>What was the main source of the advice on [TOPIC]?</p> <p>GOVERNMENT AGRICULTURAL EXTENSION SERVICE..01</p> <p>PRIVATE AGRICULTURAL EXTENSION SERVICE.....02</p> <p>GOVERNMENT FISHERY EXTENSION SERVICE.....03</p> <p>NGO.....04</p> <p>AGRICULTURAL COOP/FARMERS' ASSOC.....05</p> <p>FISHING COOP.....06</p> <p>FARMER FIELD DAYS/FIELD SCHOOL.....07</p> <p>VILLAGE AGRICULTURAL EXTENSION MEETING.....08</p> <p>AGRICULTURAL EXTENSION COURSE.....09</p> <p>LEAD FARMER.....10</p> <p>PEER FARMER (NEIGHBOR/RELATIVE).....11</p> <p>ELECTRONIC MEDIA (TV,RADIO, ETC...).....12</p> <p>PAPER MEDIA (HANDOUTS / FLYERS).....13</p> <p>OTHER (SPECIFY).....14</p>
	SOURCE	

1	New Seed Varieties		
2	Pest Control		
3	Fertilizer Use		
4	Irrigation		
5	Composting (Manure)		
6	Marketing/Crop Sales		
7	Growing/Selling Tobacco		
8	Access to Credit		
9	Forestry		
10	General Animal Care		
11	Animal Diseases / Vaccination		
12	Fishery Production		
13	Other (specify)		

SECTION A5b: EXTENSION SERVICES (SOURCE)

S O U R C E C O D E	1.	2.				3.	4.	5.	6.
	ENUMERATOR: MARK WITH "X" ALL "SOURCES" IDENTIFIED IN THE PREVIOUS PAGE. ASK THE FOLLOWING QUESTIONS FOR EACH SOURCE MARKED WITH "X" IN TURN.	Who in your household received advice / information through [SOURCE] during this agricultural (rainy) season? COPY ID FROM HH ROSTER.				How many times did someone from [SOURCE] visit any household member's farm during this agricultural (rainy) season? IF NONE, RECORD ZERO ► Q5.	How many of these visits were solicited? IF NONE, RECORD ZERO	How many times did you or any member of your household visit or meet with the [SOURCE] at a location other than your dwelling or your plots during this agricultural (rainy) season? RECORD THE TOTAL FOR THE ENTIRE HOUSEHOLD. IF NONE, WRITE '0'.	How many times did you or any member of your household attend [SOURCE] during this agricultural (rainy) season? RECORD THE TOTAL FOR THE ENTIRE HOUSEHOLD. IF NONE, RECORD ZERO.
		ID CODE	ID CODE	ID CODE	ID CODE	ID CODE	NUMBER	NUMBER	NUMBER
1	Government Agricultural Extension Service								
2	Private Agricultural Extension Service								
3	Government Fishery Extension Service								
4	NGO								
5	Agricultural Cooperative / Farmers' Association								
6	Fishing Cooperative								
7	Farmer Field Days / Field School								
8	Village Agricultural Extension Meeting								
9	Agricultural Extension Course								
10	Lead Farmer								
11	Peer Farmer (Neighbor / Relative)								
12	Electronic Media (TV, Radio, Etc...)								
13	Paper Media (Handouts/Flyers)								
14	Other (Specify)								

SECTION A5b: EXTENSION SERVICES (SOURCE)

S O U R C E C O D E	1.	7.	8.	9.
	ENUMERATOR: MARK WITH "X" ALL "SOURCES" IDENTIFIED IN THE PREVIOUS PAGE. ASK THE FOLLOWING QUESTIONS FOR EACH SOURCE MARKED WITH "X" IN TURN.	Did you or any member of your household pay anything in order to receive any type of advice / information from [SOURCE] during this agricultural (rainy) season? YES.....1 NO.....2 (► Q9)	How much in total did your household pay to receive advice / information from [SOURCE] during this agricultural (rainy) season? INCLUDE: ESTIMATED VALUE OF IN-KIND PAYMENTS NAIRA	On average, how useful was the advice / information received from [SOURCE]? VERY USEFUL.....1 SOMEWHAT USEFUL...2 NOT VERY USEFUL...3 NOT USEFUL.....4 HARMFUL.....5

1	Government Agricultural Extension Service				
2	Private Agricultural Extension Service				
3	Government Fishery Extension Service				
4	NGO				
5	Agricultural Cooperative / Farmers' Association				
6	Fishing Cooperative				
7	Farmer Field Days / Field School				
8	Village Agricultural Extension Meeting				
9	Agricultural Extension Course				
10	Lead Farmer				
11	Peer Farmer (Neighbor / Relative)				
12	Electronic Media (TV, Radio, Etc...)				
13	Paper Media (Handouts/Flyers)				
14	Other (Specify)				

Now I would like to ask some questions about your agriculture by-products

[illegible][illegible]

SECTION A9a: FISHING

1. Were you or any other member of your household involved in fishing activities, catching fish or raising fish, in the last 12 months?

YES...1

NO....2 (► END INTERVIEW)

☐

		CATCHES/HARVEST				SALES					
2.		3.	4.		5	6	7	8	9.		
F I S H I D	In the last 12 months, have you or any member of your household raised or captured any [FISH]? ASK FOR EACH FISH BEFORE ASKING QUESTION 3. IF NONE TO ALL, END INTERVIEW YES.....1 NO.....2 (► NEXT FISH)	How many <u>weeks</u> have you or any member of your household caught or raised [FISH SPECIES] in the last 12 months?	How much [FISH SPECIES] did you, other members of your household and/or any hired fishers <u>catch or harvest on average per week</u> in the last 12 months?		How much captured [FISH SPECIES] did you and/or other members of your household <u>sell on average per week</u> in the last 12 months? IF NONE, MARK "0" AND ► Q7.	During the weeks of operation, what was the average price of the fish you captured per packaging unit?	How much harvested [FISH SPECIES] did you and/or other members of your household <u>sell on average per week</u> in the last 12 months? IF NONE, MARK "0" AND ► Q9.	During the weeks of operation, what was the average price of harvested fish per packaging unit?	For how many <u>weeks</u> did you <u>sell</u> [FISH SPECIES] in the last 12 months?		
			UNIT CODES FOR FISH: KILOGRAM.....1 5 KG BAG. (SMALL).....2 10 KG BAG MEDIUM).....3 25 KG BAG. (BIG/LARGE) .4 PIECE SMALL.....80 PIECE MEDIUM.....81 PIECE LARGE.....82 HEAP SMALL.....90 HEAP MEDIUM.....91 HEAP LARGE.....92		UNIT CODES FOR FISH: KILOGRAM.....1 5 KG BAG. (SMALL).....2 10 KG BAG MEDIUM).....3 25 KG BAG. (BIG/LARGE) .4 PIECE SMALL.....80 PIECE MEDIUM.....81 PIECE LARGE.....82 HEAP SMALL.....90 HEAP MEDIUM.....91 HEAP LARGE.....92		UNIT CODES FOR FISH: KILOGRAM.....1 5 KG BAG. (SMALL).....2 10 KG BAG MEDIUM).....3 25 KG BAG. (BIG/LARGE) .4 PIECE SMALL.....80 PIECE MEDIUM.....81 PIECE LARGE.....82 HEAP SMALL.....90 HEAP MEDIUM.....91 HEAP LARGE.....92				
		NUMBER OF WEEKS	CAPTURE QUANTITY UNIT QUANTITY UNIT		HARVEST QUANTITY UNIT QUANTITY UNIT		CAPTURE QUANTITY UNIT PRICE(₦)		HARVEST QUANTITY UNIT PRICE (₦)		NUMBER OF WEEKS
1	Catfish										
2	Tilapia										
3	Carpfish										
4	Shrimps										
5	Other (specify)										
6	Other (specify)										
7	Other (specify)										

SECTION A9a: FISHING

CONSUMPTION					FISH PROCESSED						
F I S H I D	10. How much [FISH SPECIES] caught or harvested by you and/or other members of your household were <u>consumed on average per week by the household</u> in the last 12 months ?				11. How many <u>weeks</u> have you or any member of your household processed [FISH SPECIES] in the last 12 months	12. How much [FISH SPECIES] did you, other members of your household and/or any hired persons process <u>on average per week</u> in the last 12 months? RECORD QUANTITY FOR UP TO TWO DIFFERENT TYPES OF PROCESSING.					
	UNIT CODES FOR FISH: KILOGRAM.....1 5 KG BAG. (SMALL).....2 10 KG BAG MEDIUM).....3 25 KG BAG. (BIG/LARGE) .4 PIECE SMALL.....80 PIECE MEDIUM.....81 PIECE LARGE.....82 HEAP SMALL.....90 HEAP MEDIUM.....91 HEAP LARGE.....92				IF NONE (► NEXT FISH)	UNIT CODES FOR FISH: KILOGRAM.....1 5 KG BAG. (SMALL).....2 10 KG BAG MEDIUM).....3 25 KG BAG. (BIG/LARGE) .4 PIECE SMALL.....80 PIECE MEDIUM.....81 PIECE LARGE.....82 HEAP SMALL.....90 HEAP MEDIUM.....91 HEAP LARGE.....92					
	CAPTURE		HARVEST		NUMBER OF WEEKS	PROCESSING TYPE 1			PROCESSING TYPE 2		
	QUANTITY	UNIT CODE	QUANTITY	UNIT CODE		QUANTITY	UNIT CODE	PROCESSING CODE	QUANTITY	UNIT CODE	PROCESSING CODE
1											
2											
3											
4											
5											
6											
7											

SALES OF PROCESSED FISH						CONSUMPTION OF PROCESSED FISH							
F I S H I D	13	14	15	16	17.	18.							
	How much processed type 1 [FISH SPECIES] did you and/or other members of your household <u>sell on average per week</u> in the last 12 months ?	During the weeks of operation, what was the average price per packaging unit of processed [FISH SPECIES] type 1?	How much processed type 2 [FISH SPECIES] did you and/or other members of your household <u>sell on average per week</u> in the last 12 months?	During the weeks of operation, what was the average price per packaging unit of processed [FISH SPECIES] type 2?	For how many <u>weeks</u> did you <u>sell processed</u> [FISH SPECIES] in the last 12 months?	How much [FISH SPECIES] processed by you and/or other members of your household were <u>consumed on average per week by the household</u> in the last 12 months?							
	REFER TO PROCESSING TYPE 1 RECORDED IN Q12		REFER TO PROCESSING TYPE 2 RECORDED IN Q12			RECORD QUANTITY FOR UP TO TWO DIFFERENT TYPES OF PROCESSING.							
	<u>UNIT CODES FOR FISH:</u> KILOGRAM.....1 5 KG BAG. (SMALL).....2 10 KG BAG MEDIUM).....3 25 KG BAG. (BIG/LARGE) .4 PIECE SMALL.....80 PIECE MEDIUM.....81 PIECE LARGE.....82 HEAP SMALL.....90 HEAP MEDIUM.....91 HEAP LARGE.....92		<u>UNIT CODES FOR FISH:</u> KILOGRAM.....1 5 KG BAG (SMALL).....2 10 KG BAG MEDIUM).....3 25 KG BAG (BIG/LARGE) .4 PIECE SMALL.....80 PIECE MEDIUM.....81 PIECE LARGE.....82 HEAP SMALL.....90 HEAP MEDIUM.....91 HEAP LARGE.....92				<u>UNIT CODES FOR FISH:</u> KILOGRAM.....1 5 KG BAG. (SMALL).....2 10 KG BAG MEDIUM).....3 25 KG BAG. (BIG/LARGE) .4 PIECE SMALL.....80 PIECE MEDIUM.....81 PIECE LARGE.....82 HEAP SMALL.....90 HEAP MEDIUM.....91 HEAP LARGE.....92 <u>CODES FOR PROCESSING:</u> FRESH.....1 SUN-DRIED..2 SMOKED.....3 ICED.....4 OTHER (SPECIFY) ..5						
PROCESSING TYPE 1			PROCESSING TYPE 2				PROCESSING TYPE 1			PROCESSING TYPE 2			
QUANTITY SOLD	UNIT CODE	PRICE (₦)	QUANTITY SOLD	UNIT CODE	PRICE (₦)	NUMBER OF WEEKS	QUANTITY CONSUMED	UNIT CODE	PROCESSING CODE	QUANTITY CONSUMED	UNIT CODE	PROCESSING CODE	
1													
2													
3													
4													
5													
6													
7													

SECTION A9b: FISHING CAPITAL AND REVENUE

1. Were you or any member of your household involved in fishing activities in the last 12 months using any boat/canoe owned, rented or borrowed?

☐

YES.....1
NO.....2 (► Q10)

2. How many boat/canoe were operated by your household in the last 12 months?

☐

B O A T E N G I N E C O D E	TYPE OF BOAT/CANOE	3.	4.	5.	6.	7.	8.	9.
		How many [ITEM] are owned by your household? IF NONE PUT '0' IF NONE IN ALL ► Q5	What is the total value of [ITEM] if you sold it today?	Did you or any member of your household rent [ITEM] in the last 12 months? YES...1 NO...2 (► Q8)	How many days did you rent [ITEM] during the last 12 months?	How much did your household pay to rent [ITEM] per day on average during the last 12 months?	What were the total costs of fuel, oil and maintenance per week for [ITEM] operated during the last 12 months?	What were the total costs of maintaining fishing nets/gear per week for [ITEM] operated during the last 12 months? (► NEXT ITEM)
		NUMBER	VALUE (NAIRA)		DAYS	NAIRA	NAIRA	NAIRA
1	Canoe without engine							
2	Canoe with engine							
3	Boat without engine							
4	Boat with Engine							
5	Outboard engine							
6	other,specify: _____							
7	other,specify: _____							

SECTION A9b: FISHING CAPITAL AND REVENUE

10.		11.		12.		13.		14.		15.		16.			
How many adult males did you <u>hire</u> in your fishing business in the last 12 months?		How many adult females did you <u>hire</u> in your fishing business in the last 12 months?		How many children did you <u>hire</u> in your fishing business in the last 12 months?		INTERVIEWER: IS THERE A ZERO RESPONSE IN Q10,Q11 <u>AND</u> Q12		Did you <u>pay</u> these workers a <u>fixed wage</u> ?		How much was <u>each</u> of the workers paid <u>per week</u> ?		As part of the pay for hired workers, did you <u>pay</u> these hired workers with <u>fish</u> ?			
ENTER THE TOTAL WEEKS WORK FOR <u>ALL</u> HIRED MEN		ENTER THE TOTAL WEEKS WORK FOR <u>ALL</u> HIRED WOMEN		ENTER THE TOTAL WEEKS WORK FOR <u>ALL</u> HIRED CHILDREN		YES.....1 (► Q21) NO.....2		YES.....1 NO.....2 (► Q16)		IF THESE FIXED WAGES WERE DAILY, ASSIST RESPONDENT TO ESTIMATE THE WEEKLY EQUIVALENT.		YES.....1 NO.....2 (► Q18)			
ADULT MALES		ADULT FEMALES		CHILDREN										AVERAGE PAYMENT PER WEEK (NAIRA)	
NUMBER HIRED	TOTAL WEEKS WORKED	NUMBER HIRED	TOTAL WEEKS WORKED	NUMBER HIRED	TOTAL WEEKS WORKED									ADULT MALES	ADULT FEMALES

SECTION A9b: FISHING CAPITAL AND REVENUE

17.						18.		19.			20.		
<p>On <u>average per week</u>, what <u>quantity</u> of fish did you pay to each hired workers in the last 12 months?</p> <p><u>UNIT CODES FOR FISH:</u></p> <p>KILOGRAM.....1</p> <p>5 KG BAG. (SMALL).....2</p> <p>10 KG BAG MEDIUM).....3</p> <p>25 KG BAG. (BIG/LARGE).4</p> <p>PIECE SMALL.....80</p> <p>PIECE MEDIUM.....81</p> <p>PIECE LARGE.....82</p> <p>HEAP SMALL.....90</p> <p>HEAP MEDIUM.....91</p> <p>HEAP LARGE.....92</p>						<p>As part of the remuneration for hired workers, did you <u>pay</u> these hired workers with <u>cash from fishing activities</u>?</p> <p>YES..1</p> <p>NO...2 (►Q20)</p>		<p>On <u>average per week</u>, how much <u>cash</u> from fishing activities did you <u>pay</u> to <u>each</u> hired worker in the last 12 months?</p>			<p>In the last 12 months, did you pay the hired workers <u>any other in-kind benefit</u>?</p> <p>ESTIMATE THE CASH VALUE OF IN-KIND BENEFIT PER WEEK PER WORKER.</p>		
ADULT MALES		ADULT FEMALES		CHILDREN				ADULT MALES	ADULT FEMALES	CHILDREN	ADULT MALES	ADULT FEMALES	CHILDREN
QUANTITY	UNIT CODE	QUANTITY	UNIT CODE	QUANTITY	UNIT CODE			NAIRA	NAIRA	NAIRA	NAIRA PER WEEK	NAIRA PER WEEK	NAIRA PER WEEK

SECTION A9b: FISHING CAPITAL AND REVENUE

21.	22.					
In the last 12 months have you incurred any costs from raising fish?	How much have you spent in Naira <u>per week</u> on the following costs?					
YES...1 NO...2 (►END INTERVIEW)	FISH FEED	IRRIGATION OF PONDS / FISH POOLS	MAINTENANCE OF PONDS/ FISH POOLS	MAINTENANCE OF FISH NETS	OTHER COSTS	

SECTION A10: NETWORK ROSTER

NETWORK ROSTER

N E T W O R K C O D E	1. NAME	2. NETWORK	3. LOCATION
			RELATIVE.....1 FRIEND/NEIGHBOR.....2 VILLAGE HEADMAN.....3 TRADITIONAL AUTHORITY.....4 POLITICAL LEADER.....5 MAIN FARM/PLOT.....6 ROADSIDE.....7 MOBILE MARKET.....8 LOCAL MARKET.....9 PRIVATE TRADER IN LOCAL MARKET...10 LOCAL MERCHANT /GROCERY.....11 MAIN MARKET.....12 PRIVATE TRADER IN MAIN MARKET...13 AUCTION IN MAIN MARKET.....14 PRIVATE COMPANY/BUSINESS PERSON..15 EMPLOYER.....16 GOVERNMENT.....17 PARLIAMENT MEMBER.....18 MONEY LENDER.....19 PRIVATE MICROFINANCE.....20 SAVINGS& CREDIT COOPERATIVE.....21 COMMERCIAL BANK.....22 GOVERNMENT-FINANCED LENDER.....23 PARASTATAL ORGANIZATION.....24 AGRICULTURAL COOPERATIVE.....25 FARMER BASED CLUB/ASSOCIATION...26 NGO.....27 PRIVATE VETERINARY.....28 DISTRICT VETERINARY.....29 RELIGIOUS GROUP/INSTITUTION.....30 OTHER (SPECIFY).....31
N1			
N2			
N3			
N4			
N5			
N6			
N7			
N8			
N9			
N10			
N11			
N12			
N13			
N14			
N15			

CROP PRODUCTION UNIT CODES

<i>UNIT</i>	<i>CODE</i>	<i>UNIT</i>	<i>CODE</i>
Kilograms (Kg)	1	Bunch Small	100
Grams (g)	2	Bunch Medium	101
Litres (l)	3	Bunch Large	102
Centilitres (cl)	4		
		Stalk Small	110
Bin/basket	10	Stalk Medium	111
Paint Rubber	11	Stalk Large	112
Milk cup	12		
Cigarette cup	13	Packet/sachet Small	120
Tin	14	Packet/sachet Medium	121
		Packet/sachet Large	122
Congo small	20	Sack/Bag Small	130
Congo large	21	Sack/Bag Medium	131
		Sack/Bag Large	132
Mudu Small	30	Basket Small	140
Mudu Large	31	Basket Medium	141
		Basket Large	142
Derica Small	40	Basin Small	150
Derica Medium	41	Basin Medium	151
Derica Large	42	Basin Large	152
Derica Very Large	43		
		Bundle Small	160
Tiya Small	50	Bundle Medium	161
Tiya Medium	51	Bundle Large	162
Tiya Large	52		
		Wheelbarrow	170
		Pick-up	180
Kobiowu Small	60	Jerry can/rubber 10 Litres	190
Kobiowu Medium	61	Jerry can/rubber 20 Litres	191
Kobiowu Large	62	Jerry can/rubber 25 Litres	192
		Jerry can/rubber 50 Litres	193
Bowl Small	70	Other (specify)	900
Bowl Medium	71		
Bowl Large	72		
Piece Small	80		
Piece Medium	81		
Piece Large	82		
Heap Small	90		
Heap Medium	91		
Heap Large	92		