



Federal Republic of Nigeria
National Bureau of Statistics (NBS)

NIGERIA
GENERAL HOUSEHOLD SURVEY-PANEL (GHS-PANEL)

Wave 5 (2023/2024)
Post-Harvest Visit

Agriculture Questionnaire

CONFIDENTIAL

Federal Republic of Nigeria

National Bureau of Statistics Abuja, Nigeria

GENERAL HOUSEHOLD SURVEY-PANEL

Wave 5 (2023/24) 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	<hr/>	<input type="text"/>
2. STATE:	<hr/>	<input type="text"/> <input type="text"/>
3. LGA	<hr/>	<input type="text"/> <input type="text"/>
4. SECTOR (Urban=1, Rural=2)	<hr/>	<input type="text"/>
5. EA	<hr/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
6. RIC	<hr/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
7. HOUSEHOLD NO.	<hr/>	<input type="text"/> <input type="text"/> <input type="text"/>
8. NAME OF HOUSEHOLD HEAD:	<hr/>	
9. ADDRESS OF HOUSEHOLD HEAD:	<hr/> <hr/>	
10. NAME OF INTERVIEWER:	<hr/>	<input type="text"/> <input type="text"/> <input type="text"/>
11. NAME OF SUPERVISOR:	<hr/>	<input type="text"/> <input type="text"/> <input type="text"/>
11a. NAME OF RESPONDENT:	<hr/>	

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SECTION A1. PLOT ROSTER

	1. ENUMERATOR: PREFILLED LIST OF PLOTS FROM THE POST PLANTING VISIT	1a. WAS [PLOT] LISTED AS CULTIVATED DURING THE PP VISIT? PREFILL YES...1 NO....2	1b. WAS PLOT MEASURED USING GPS IN THE PP? PREFILL YES...1 NO....2	1c. GPS AREA IN SQUARE METERS FROM PP PREFILL	1d. PLOT FLAGGED FOR REMEASUREMENT? PREFILL YES...1 NO....2	2. PREFILL ALL CROPS FROM THE POST-PLANTING SEASON	PREFILL: ANY TREE CROP ON PLOT? YES...1 NO....2	PREFILL: ANY FIELD CROP ON PLOT? YES...1 NO....2	PREFILL: WAS THIS PLOT COVERED IN THE MM STUDY YES...1 NO....2
	PLOT NAME AND DESCRIPTION					ID CODE			
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

SECTION A1. PLOT ROSTER

		3.	4.	5.		6.	
	PREFILL: LAST INTERVIEW DATE DEPENDING ON MM PLOTS OR NOT	PLOT DESCRIPTION PREFILLED	INTERVIEWER: WHO IS RESPONDING FOR [PLOT]? LIST FROM HOUSEHOLD ROSTER	Does your household still own or have access to [PLOT]? YES...1 ► Q8 NO....2	How did your household lose/give up ownership or access to [PLOT] 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) ...96	INTERVIEWER: IS THE ANSWER REPORTED [Q5] RELATED TO MONEY? YES...1 NO....2 ► Q7	How much did your household receive for [PLOT]? INCLUDE AN ESTIMATE OF TOTAL CASH AND IN-KIND PAYMENTS.
		ID CODE				NAIRA	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

SECTION A1. PLOT ROSTER

7. Why did your household lose/give up ownership or access to [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 THE LEASE ENDED.....10 OTHER (SPECIFY).....96	9. Who is the <u>primary</u> decision maker for this [PLOT]?	10. Are there any other household members who are decision makers for [PLOT]? YES...1 NO....2 ► Q12	11. Who are the other decision makers for this [PLOT]? SELECT ALL THAT APPLY	12. Was [NAME IN Q9] the primary decision maker of [PLOT] at the beginning of the 2023/2024 agricultural season? YES...1 ► NEXT PLOT	13. Who was the primary decision maker of [PLOT] at the beginning of the 2023/2024 agricultural season?	14. Why is [Q13] no longer the primary decision maker? DEATH.....1 ILLNESS.....2 INJURY.....3 PREGNANCY.....4 TEMPORARILY AWAY.....5 PERMANENTLY MOVED AWAY.....6 FOCUSING ON OTHER ACTIVITIES.....7 OTHER (SPECIFY).....96
► NEXT PLOT	ID CODE		ID CODES		ID CODE	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

SECTION A2a. HOUSEHOLD LABOR

P L O T I D	I N D I V I D U A L I D	CAPI	FILTER1	1.	2.	3.	4.
		CAPI: WAS THIS [PLOT] CULTIVATED DURING THE 2023/2024 AGRICULTURAL SEASON? (A1Q1a=YES) YES...1 NO....2 ► NEXT PLOT	IS [NAME] 5 YEARS OR OLDER? YES...1 NO....2 ► NEXT PERSON	Since [PP/MM INTERVIEW DATE], has [NAME] worked on [PLOT] on any crop-related activity? <u>Please exclude post harvest activities e.g. threshing/shelling, cleaning, etc.</u> YES...1 NO....2 ► NEXT PERSON-PLOT	Since [PP/MM INTERVIEW DATE], how many days per week has [NAME] worked on crop-related activities typically on [PLOT] ? DAYS (TOTAL)	During those days, how many hours per day did [NAME] work on crop-related activities typically on [PLOT]? HOURS PER DAY	What activities has [NAME] performed on [PLOT] since [PP/MM INTERVIEW DATE] ? SELECT ALL THAT APPLY DO NOT READ OUT THE LIST OF ACTIVITIES TO THE RESPONDENT LAND PREPARATION.....1 PLANTING.....2 WEEDING.....3 RIDGING, FERTILIZING, OTHER NON-HARVEST ACTIVITIES.....4 HARVESTING.....5 SUPERVISION.....6

1	1						
1	2						
1	3						
1	4						
1	⋮						
2	1						
2	2						
2	3						
2	4						
⋮	⋮						

SECTION A2b. HIRED AND EXCHANGE LABOR

		HIRED LABOR						
P L O T I D	P E R S O N T Y P E	CAPI	1.	2.	3.	4.	5.	6.
		CAPI: WAS THIS [PLOT] CULTIVATED DURING THE 2023/2024 AGRICULTURAL SEASON? (A1Q1a=YES) YES...1 NO...2 ► NEXT PLOT	Since [PP/MM INTERVIEW DATE], has your household hired any [PERSON TYPE] to work on [PLOT]? <u>Please exclude post harvest activities e.g. threshing / shelling, cleaning, etc.</u>	Since [PP/MM INTERVIEW DATE], how many [PERSON TYPE] did you or anyone else in your household hire to work on [PLOT]? <u>Please exclude post harvest activities e.g. threshing / shelling, cleaning, etc.</u>	Since [PP/MM INTERVIEW DATE], how many days did a typical hired [PERSON TYPE] work on [PLOT]?	Since [PP / MM INTERVIEW DATE] how many hours per day did a typical hired [PERSON TYPE] work on [PLOT]?	Since [PP/MM INTERVIEW DATE] normally, how much did your household pay per day to hire a [PERSON TYPE] to work on [PLOT]?	Since the [PP INTERVIEW DATE], what activities did the hired [PERSON TYPE] perform on [PLOT]? SELECT ALL THAT APPLY LAND PREPARATION.....1 PLANTING.....2 WEEDING.....3 RIDGING, FERTILIZING, OTHER NON-HARVEST ACTIVITIES.....4 HARVESTING.....5 SUPERVISION.....6
			NUMBER	DAYS	HOURS PER DAY	NAIRA PER DAY PER PERSON		
1	MEN							
1	WOMEN							
1	CHILDREN (UNDER 15)							
2	MEN							
2	WOMEN							
2	CHILDREN (UNDER 15)							
3	MEN							
3	WOMEN							
3	CHILDREN (UNDER 15)							
⋮	⋮							

SECTION A2b. HIRED AND EXCHANGE LABOR

EXCHANGED LABOR						
P L O T I D	P E R S O N T Y P E	7.	8.	9.	10.	11.
		<p>Since [PP/MM INTERVIEW DATE], has any [PERSON TYPE] from other households worked on [PLOT] <u>free of charge, as exchange labourers or to assist for nothing in return? Please exclude post harvest activities e.g. threshing/ shelling, cleaning, etc</u></p> <p>YES...1 NO...2 ► NEXT PERSON-TYPE-PLOT</p>	<p>Since [PP/MM INTERVIEW DATE], how many [PERSON TYPE] worked on [PLOT] <u>without pay? Please exclude post harvest activities e.g. threshing/shelling, cleaning, etc.</u></p>	<p>Since [PP/MM INTERVIEW DATE], how many <u>days</u> did a typical [PERSON TYPE] work without pay on [PLOT]?</p>	<p>Since [PP/MM INTERVIEW DATE] how many hours <u>per day</u> did a typical [PERSON TYPE] work without pay on [PLOT]?</p>	<p>Since [PP/MM INTERVIEW DATE], what activities did [PERSON TYPE] perform on [PLOT] without pay?</p> <p>SELECT ALL THAT APPLY</p> <p>LAND PREPARATION.....1 PLANTING.....2 WEEDING.....3 RIDGING, FERTILIZING, OTHER NON-HARVEST ACTIVITIES.....4 HARVESTING.....5 SUPERVISION.....6</p>
		NUMBER	DAYS	HOURS PER DAY		

1	MEN				
1	WOMEN				
1	CHILDREN (UNDER 15)				
2	MEN				
2	WOMEN				
2	CHILDREN (UNDER 15)				
3	MEN				
3	WOMEN				
3	CHILDREN (UNDER 15)				
⋮	⋮				

SECTION 11C2. INPUT USE ON PLOT

		HERBICIDE USE		PESTICIDE USE		INORGANIC FERTILIZER USE	
P L O T I D	CAPI	1.	2.	3.	4.	5.	6.
	CAPI: WAS THIS [PLOT] CULTIVATED DURING THE 2023/2024 AGRICULTURAL SEASON? (A1Q1a=YES)	Did you or any member of your household use any herbicide on [PLOT] during the 2023/2024 agricultural season?	What was the total quantity of herbicide used on [PLOT] during the 2023/2024 agricultural season? <u>UNIT CODE</u> KILOGRAMS (kg)...01 GRAMS (g).....02 LITRE (l).....03 CENTILITRE (cl)..04	Did you or any member of your household use any other pesticide (excluding herbicide) on [PLOT] during the 2023/2024 agricultural season?	What was the total quantity of other pesticide used on [PLOT] during the 2023/2024 agricultural season? <u>UNIT CODE</u> KILOGRAMS (kg)...01 GRAMS (g).....02 LITRE (l).....03 CENTILITRE (cl)..04	Did you or any member of your household use any inorganic fertilizer (e.g NPK, urea, etc) on [PLOT] during the 2023/2024 agricultural season?	Which type(s) of inorganic fertilizer did your household use on this [PLOT] during the 2023/2024 agricultural season? SELECT ALL TYPES THAT WERE USED
	YES...1 NO....2 ► NEXT PLOT	YES...1 NO....2 ► Q3		YES...1 NO....2 ► Q5		YES...1 NO....2 ► Q10	NPK.....1 (ANSWER Q7) UREA.....2 (ANSWER Q8) OTHER (SPECIFY) .96 (ANSWER Q9)
			QTY UNIT		QTY UNIT		
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

SECTION 11C2. INPUT USE ON PLOT

INORGANIC FERTILIZER USE						ORGANIC FERTILIZER USE						
P L O T I D	7.		8.		9.		10.		11.		12.	
	What was the total quantity of NPK used on [PLOT] during the 2023/2024 agricultural season?		What was the total quantity of UREA used on [PLOT] during the 2023/2024 agricultural season?		What was the total quantity of [OTHER INORGANIC FERTILIZER] used on [PLOT] during the 2023/2024 agricultural season?		What is the main reason your household did not use any inorganic fertilizer on [PLOT] during the 2023/2024 agricultural season?		Did you or any member of your household use any organic fertilizer on [PLOT] during the 2023/2024 agricultural season?		What was the quantity of organic fertilizer that your household used on [PLOT] during the 2023/2024 agricultural season?	
	<u>UNIT CODE</u>		<u>UNIT CODE</u>		<u>UNIT CODE</u>						<u>UNIT CODE</u>	
	KILOGRAMS (kg)..01 GRAMS (g).....02 SACK/BAG (10KG)..10 SACK/BAG (25KG)..11 SACK/BAG (50KG)..12 SACK/BAG (100KG)..13 MUDU, SMALL.....30 MUDU, LARGE.....31 TIYA, SMALL.....50 TIYA, MEDIUM....51 TIYA, LARGE.....52	KILOGRAMS (kg)..01 GRAMS (g).....02 SACK/BAG (10KG)..10 SACK/BAG (25KG)..11 SACK/BAG (50KG)..12 SACK/BAG (100KG)..13 MUDU, SMALL.....30 MUDU, LARGE.....31 TIYA, SMALL.....50 TIYA, MEDIUM....51 TIYA, LARGE.....52	KILOGRAMS (kg)..01 GRAMS (g).....02 SACK/BAG (10KG)..10 SACK/BAG (25KG)..11 SACK/BAG (50KG)..12 SACK/BAG (100KG)..13 MUDU, SMALL.....30 MUDU, LARGE.....31 TIYA, SMALL.....50 TIYA, MEDIUM....51 TIYA, LARGE.....52				NO NEED.....1 THEY ARE NOT EFFECTIVE.....2 COULD NOT AFFORD THEM / TOO EXPENSIVE.....3 THEY WERE NOT AVAILABLE IN THE SHOPS OR MARKETS / LIMITED AVAILABILITY.....4 COULD NOT GO TO THE MARKET OR SHOPS.....5 OTHER (SPECIFY).....96			ORGANIC FERTILIZER INCLUDES ANIMAL DUNG, CROP RESIDUE, ETC. YES...1 NO....2 ▶ Q13		KILOGRAMS (kg)..01 GRAMS (g).....02 SACK/BAG (10KG)..10 SACK/BAG (25KG)..11 SACK/BAG (50KG)..12 SACK/BAG (100KG)..13
		▶ Q11								▶ Q14		
	QTY	UNIT CODE	QTY	UNIT CODE	QTY	UNIT CODE					QTY	UNIT CODE
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

SECTION 11C2. INPUT USE ON PLOT

ORGANIC FERTILIZER USE		ANIMAL TRACTION					EQUIPMENT AND MACHINERY USE	
13.	14.	15.	16.	17.	18.	19.	20.	21.
P L O T I D What is the main reason your household did not use any organic fertilizer on [PLOT] during the 2023/2024 agricultural season? NO NEED.....1 THEY ARE NOT EFFECTIVE.....2 THEY WERE NOT AVAILABLE / LIMITED AVAILABILITY.....3 OTHER (SPECIFY)96	Did you or any member of your household use any <u>animals for traction</u> on [PLOT] during the 2023/2024 agricultural season? YES...1 NO....2 ▶ Q19	How many <u>days</u> did your household use animals <u>owned</u> <u>by the</u> household for animal traction on [PLOT] during the 2023/2024 agricultural season?	How many days did your household use <u>rented animals</u> for animal traction on [PLOT] during the 2023/2024 agricultural season? IF ZERO (▶ Q18)	How much was spent IN TOTAL on renting these animals for [PLOT] during the 2023/2024 agricultural season? ESTIMATE THE NAIRA AMOUNT FOR IN-KIND EXPENSES	How much was spent on feeding the rented animals used for traction on [PLOT] during the 2023/2024 agricultural season?	Was there anytime during the 2023/2024 agricultural season that animals were not available for use when you needed them for traction on [PLOT], regardless of owned or rented? YES.....1 NO.....2 DID NOT NEED TO USE.....3	Did you or any member of your household use any equipment/machines on [PLOT] during the 2023/2024 agricultural season? YES...1 NO....2	Was there anytime during the 2023/2024 agricultural season that the machine/equipment were not available for use when you needed it for [PLOT], regardless of ownership? YES.....1 NO.....2 DID NOT NEED TO USE.....3
				DAYS	DAYS	NAIRA	NAIRA	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

SECTION 11C3. INPUT ACQUISITION

		PURCHASED					
I N P U T I D	1.	2.	3.	4.	5.	6.	
	CAPI: WAS THIS INPUT USED BY THE HOUSEHOLD DURING THE 2023/2024 AGRICULTURAL SEASON? YES...1 NO...2 ► NEXT INPUT	Did your household purchase any [INPUT] during the 2023/2024 agricultural season? EXCLUDE ANY INPUT PURCHASED USING GOVERNMENT SUBSIDIES YES...1 NO...2 ► NEXT INPUT	Who in the household paid for the purchase of this [INPUT] during the 2023/2024 agricultural season? SELECT ALL THAT APPLY	What was the total quantity of [INPUT] your household purchased during the 2023/2024 agricultural season? <u>UNIT CODE</u> KILOGRAMS (kg) ..01 GRAMS (g)02 LITRE (l)03 CENTILITRE (cl) ..04 10KG BAG.....10 25KG BAG.....11 50KG BAG.....12 100KG BAG.....13 MUDU, SMALL....30 MUDU, LARGE....31 TIYA, SMALL....50 TIYA, MEDIUM...51 TIYA, LARGE....52	What was the total cost of the [INPUT] that your household purchased during the 2023/2024 agricultural season? INCLUDE THE AMOUNT PAID UP-FRONT AND ANY FUTURE PAYMENTS	Of the [QUANTITY IN Q4] of [INPUT] purchased, how much did your household use during the 2023/2024 agricultural season? REPORT QUANTITY IN [UNIT IN Q4]	
		ID CODE	QTY	UNIT CODE	NAIRA	QTY	
1	ORGANIC FERTILIZER						
2	INORGANIC FERTILIZER - NPK						
3	INORGANIC FERTILIZER - UREA						
4	INORGANIC FERTILIZER - OTHER (SPECIFY)						
5	PESTICIDE						
6	HERBICIDE						
7	TRACTOR						
8	RIDGER						

SECTION 11C3. INPUT ACQUISITION

PURCHASED		ORGANIC FERTILIZER FROM OWN PRODUCTION		MACHINERY	
7.	8.	9.	10.	11.	12.
From whom did your household purchase most of the [INPUT] used during the 2023/2024 agricultural season?	What was the distance from the farm to the place where the [INPUT] was purchased? (KM)	What was the total QUANTITY of [INPUT] used that came from own-production or own animals during the 2023/2024 agricultural season?	Did your household rent in any [INPUT] during the 2023/2024 agricultural season?	How much in total did your household spend to rent in [INPUT] during the 2023/2024 agricultural season?	How much did your household pay for transportation to acquire <u>all purchased inputs</u> used during the 2023/2024 agricultural season?
I N P U T I D AGRICULTURE INPUT DEALER.....1 FELLOW FARMER2 GOVERNMENT EXTENSION OFFICER.....3 FAMILY MEMBER / RELATIVES.....4 LOCAL / OPEN MARKET.....6 OTHER (SPECIFY).....96	IF LESS THAN 1 KILOMETER, ENTER ZERO		YES...1 NO...2 ► NEXT INPUT		INCLUDE ALL TRIPS FROM AND BACK TO YOUR FARM.
	KM	QUANTITY	UNIT	NAIRA	NAIRA
1					
2					
3					
4					
5					
6					
7					
8					

SECTION A3i. FIELD CROP HARVEST

P L O T I D	C R O P I D	1.	2.	FILTER	3.	4.	5.		
		PREFILL ALL PLOT-CROP INFORMATION FROM PP VISIT	CROP CODE	CAPI: IS THIS [CROP] ON [PLOT] A [TREE/PERMANENT CROP]?	In the last visit you indicated that you had planted [CROP] on [PLOT]. Did your household harvest any of that [CROP] on [PLOT] during the 2023/2024 agricultural (rainy) season?	What is the reason why your household did not harvest [CROP] from [PLOT] during the 2023/2024 agricultural (rainy) season? SELECT UP TO TWO LATE ONSET OF RAINS.....1 EARLY ONSET OF RAINS.....2 ERRATIC RAINS.....3 TOO HEAVY RAINS/HAILSTORMS.....4 FLOODING.....5 DROUGHT.....6 WATERLOGGING.....7 MUDSLIDES/LANDSLIDES.....8 EXTREMELY STRONG WINDS.....9 CYCLONE/TORNADO.....10 VERY HIGH TEMPERATURES.....11 INSECTS/PESTS.....12 DISEASES.....13 ANIMALS.....14 FIRE.....15 THEFT.....16 EROSION.....17 CIVIL UNREST/VIOLENCE.....18 DISAGREEMENT ON LAND OWNERSHIP...19 UNABLE TO WORK DUE TO SICKNESS...20 NO AVAILABLE LABOR.....21 NOT HARVEST SEASON.....22 DELAYED/DEFERRED HARVEST.....23 OTHER (SPECIFY).....96	When did your household start the harvest of [CROP] from [PLOT]?		
				YES...1 ► NEXT CROP/SECTION NO....2	YES...1 ► Q5 NO....2				
		CROP NAME	CODE			FOR OPTION 22 and 23 (► Q15)	FOR ALL OTHER OPTIONS (► NEXT PLOT/CROP)	MONTH	YEAR
1									

SECTION A3i. FIELD CROP HARVEST

P L O T I D	C R O P I D	6.	7.	8.	9.								
		Was the area harvested of [CROP] on [PLOT] less than the area planted? YES...1 NO...2 ▶ Q9	What is the reason why the area harvested of [CROP] on [PLOT] was less than the area planted? SELECT UP TO TWO HAVE NOT COMPLETED HARVEST.....24 LATE ONSET OF RAINS.....1 EARLY ONSET OF RAINS.....2 ERRATIC RAINS.....3 TOO HEAVY RAINS/HAILSTORMS.....4 FLOODING.....5 DROUGHT.....6 WATERLOGGING.....7 MUDSLIDES/LANDSLIDES.....8 EXTREMELY STRONG WINDS.....9 CYCLONE/TORNADO.....10 VERY HIGH TEMPERATURES.....11 INSECTS/PESTS.....12 DISEASES.....13 ANIMALS.....14 FIRE.....15 THEFT.....16 EROSION.....17 CIVIL UNREST/VIOLENCE.....18 DISAGREEMENT ON LAND OWNERSHIP...19 UNABLE TO WORK DUE TO SICKNESS...20 NO AVAILABLE LABOR.....21 OTHER (SPECIFY).....96	During the 2023/2024 agricultural season, approximately what percent of [PLOT] planted with [CROP] was harvested? 3/4 THREE QUARTERS (75%)...1 2/3 TWO THIRDS (66%).....2 1/2 HALF (50%).....3 1/3 ONE THIRD (33%).....4 1/4 ONE QUARTER (25%).....5	How much [CROP] in <u>total</u> did your household harvest from [PLOT] during the 2023/2024 agricultural (rainy) season? SEE UNIT CODES <u>CONDITION</u> UNSHELLED (on the cob, inside the pod/shell).....1 SHELLED (removed from the cob/pod/shell).....2				HARVEST AREA AS A PERCENT (%) OF PLANTED PLOT AREA	QUANTITY	UNIT	SIZE	CONDITION (ONLY FOR CROPS WITH SHELL)
1													

SECTION A3i. FIELD CROP HARVEST

P L O T I D	C R O P I D	10.	11.	12.	13.	FILTER 2	14.	15.				16.
		What is the estimated value of the [CROP] harvested from [PLOT] during the 2023/2024 agricultural (rainy) season?	Has your household completed harvest of [CROP] from [PLOT]?	In the harvest of [CROP] done so far on this [PLOT], is there a portion of area planted with [CROP] that was not harvested due to damages or shocks?	What is the reason why some area planted with [CROP] on [PLOT] were not harvested? LATE ONSET OF RAINS.....1 EARLY ONSET OF RAINS.....2 ERRATIC RAINS.....3 TOO HEAVY RAINS/HAILSTORMS.....4 FLOODING.....5 DROUGHT.....6 WATERLOGGING.....7 MUDSLIDES/LANDSLIDES.....8 EXTREMELY STRONG WINDS.....9 CYCLONE/TORNADO.....10 VERY HIGH TEMPERATURES.....11 INSECTS/PESTS.....12 DISEASES.....13 ANIMALS.....14 FIRE.....15 THEFT.....16 EROSION.....17 CIVIL UNREST/VIOLENCE.....18 DISAGREEMENT ON LAND OWNERSHIP...19 UNABLE TO WORK DUE TO SICKNESS...20 NO AVAILABLE LABOR.....21 OTHER (SPECIFY).....96	CAPI: HAS THE HOUSEHOLD COMPLETED HARVEST OF [CROP] ON [PLOT]? (Q11=YES) YES...1 NO....2 ▶ Q15	When did your household complete the harvest of [CROP] from [PLOT]?	How much [CROP] does your household expect to harvest from [PLOT]? (FILTER2=NO) How much more [CROP] does your household expect to harvest from [PLOT]?				Who in the household made or will make decisions concerning the use of the total harvested [CROP] from [PLOT]?
								<p style="text-align: center;">SEE UNIT CODES</p> <p style="text-align: center;"><u>CONDITION</u></p> <p>UNSHELLED (on the cob, inside the pod/shell).....1 SHELLED (removed from the cob/pod/shell).....2</p>				
NAIRA	YES...1 NO....2	YES...1 NO....2 ▶ FILTER2	YES...1 NO....2 ▶ Q15	(▶ Q16)	MONTH	YEAR	QUANTITY	UNIT	SIZE	CONDITION (ONLY FOR CROPS WITH SHELL)	ID CODE	
1												

SECTION A3iii. TREE AND PERMANENT CROPS HARVEST

P L O T I D	C R O P I D	FILTER	17.	18.	19.	20.	21.	22.	23.	24.
		CAPI: IS THIS [CROP] ON [PLOT] A [TREE/PERMANENT CROP]?	In the last 12 months, has your household harvested any [TREE / PERMANENT CROP] from [PLOT]?	When did your household start the harvest of [TREE / PERMANENT CROP] from [PLOT] in the last 12 months?	Were there any losses of [TREE / PERMANENT CROP] before the last completed harvest?	What was the cause of losses of the [TREE / PERMANENT CROP]? SELECT UP TO TWO LATE ONSET OF RAINS.....1 EARLY ONSET OF RAINS.....2 ERRATIC RAINS.....3 TOO HEAVY RAINS/HAILSTORMS...4 FLOODING.....5 DROUGHT.....6 WATERLOGGING.....7 MUDSLIDES / LANDSLIDES.....8 EXTREMELY STRONG WINDS.....9 CYCLONE/TORNADO...10 VERY HIGH TEMPERATURES.....11 INSECTS/PESTS.....12 DISEASES.....13 ANIMALS.....14 FIRE.....15 THEFT.....16 EROSION.....17 CIVIL UNREST/VIOLENCE...18 DISAGREEMENT ON LAND OWNERSHIP...19 UNABLE TO WORK DUE TO SICKNESS...20 NO AVAILABLE LABOR.....21 OTHER (SPECIFY)...96	Has your household completed harvest of the [TREE / PERMANENT CROP] from [PLOT]?	When did your household complete the harvest of [TREE / PERMANENT CROP] from [PLOT]?	How much [TREE / PERMANENT CROP] did your household harvest during the <u>last 12 months</u> ?	What is the estimated value of the [TREE / PERMANENT CROP] harvested from [PLOT] during the past 12 months?
		YES...1 NO....2 ▶ NEXT CROP / SECTION	YES...1 NO....2 ▶ NEXT CROP		YES...1 NO....2 ▶ Q21		YES...1 NO....2 ▶ Q23		SEE UNIT CODES CONDITION UNSHELLED (on the cob, inside the pod/shell)..1 SHELLED (removed from the cob/pod/shell).....2	
				MONTH YEAR				MONTH YEAR	QUANTITY UNIT SIZE CONDITION	NAIRA

SECTION A3ii. CROP DISPOSITION

C R O P N U M B E R	SALE OF UNPROCESSED CROP										
	1.	2.	3.				4.	5.		6.	7.
	CAPI WILL MAKE A LIST OF ALL HARVESTED CROPS FROM FLAP D. IT WILL NOT LIST CROPS MORE THAN ONCE. IF THE RESPONDENTS HARVESTED MAIZE FROM 2 DIFFERENT PLOTS, CAPI WILL LIST MAIZE ONCE.	CROP CODE	CAPI: IF ONLY ONE [CROP] OR REPORTED HARVEST IN SAME UNIT IN THE PLOT-CROP HARVEST, THEN COMPUTE THE TOTAL HARVEST HERE. OTHERWISE, ENUMERATOR ASK: What was the total harvest of [CROP] from all your household's plots in the 2023/2024 agricultural season? SEE UNIT				Did your household sell any unprocessed [CROP] since the harvest? YES...1 NO...2 ▶ Q12	When did your household sell most of the unprocessed [CROP]?		Of the [QTY] [UNIT] of [CONDITION] of [CROP] harvested, how much of it did your household sell?	What was the value of the sales of the unprocessed [CROP]? ESTIMATE THE VALUE OF IN-KIND PAYMENTS
CROP NAME	CODE	QUANTITY	UNIT	SIZE	CONDITION		MONTH	YEAR	QUANTITY	NAIRA	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

SECTION A3ii. CROP DISPOSITION

SALE OF UNPROCESSED CROP					
C R O P N U M B E R	8.	9.	10.	11.	12.
		Where did your household sell most of the unprocessed [CROP] harvested during the 2023/2024 agricultural season? ROADSIDE.....1 MOBILE MARKET.....2 LOCAL MARKET.....3 PRIVATE TRADER IN LOCAL MARKET.....4 LOCAL MERCHANT/ GROCERY.....5 MAIN MARKET.....6 PRIVATE TRADER IN MAIN MARKET.....7 PRIVATE COMPANY/ BUSINESS PERSON.....8 FARMGATE.....9 OTHER (SPECIFY).....96	Who in your household was responsible for taking the [CROP] to the market and/or negotiating sale? SELECT ALL THAT APPLY	Who in your household decides on the use of the earnings from sale of [CROP]? SELECT ALL THAT APPLY	How promptly was your household paid for the sale of [CROP]? AT THE TIME OF THE SALE....1 WITHIN ONE WEEK.....2 WITHIN ONE MONTH.....3 ONE MONTH OR MORE.....4
		ID CODES	ID CODES		
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

SECTION A3ii. CROP DISPOSITION

OTHER CROP DISPOSITION									
C R O P N U M B E R	13.	14.	15.	16.	17.	18.	19.	20.	21.
	Of the [QTY] [UNIT] [CONDITION] of the [CROP] harvested, how much was stored FOR FUTURE USE (sale, consumption, seed)?	Of the [QTY] [UNIT] [CONDITION] of the [CROP] harvested, how much of it was used as animal feed ?	Of the [QTY] [UNIT] [CONDITION] of the [CROP] harvested, how much of it was consumed by your household (in raw or processed form)? IF THE HOUSEHOLD PROCESSED ANY PART FOR CONSUMPTION, AS LONG AS IT HAS BEEN CONSUMED, INCLUDE IT HERE AS PART OF THE RAW PRODUCT.	Of the [QTY] [UNIT] [CONDITION] of the [CROP] harvested, how much of it was given as payment for labor (in kind payment) ? RECORD THE QUANTITY IN RAW UNPROCESSED FORM	Of the [QTY] [UNIT] [CONDITION] of the [CROP] harvested, how much of it was given as payment for non-labor (in-kind payment) ? RECORD THE QUANTITY IN RAW UNPROCESSED FORM	Of the [QTY] [UNIT] [CONDITION] of the [CROP] harvested, how much of it was given as reimbursement for share-cropping ? RECORD THE QUANTITY IN RAW UNPROCESSED FORM	Of the [QTY] [UNIT] [CONDITION] of the [CROP] harvested, how much of it was given as gifts ? RECORD THE QUANTITY IN RAW UNPROCESSED FORM	Of the [QTY] [UNIT] [CONDITION] of the [CROP] harvested, how much of it was lost post harvest due to rotting, insects, rodent, theft, etc ? RECORD THE QUANTITY IN RAW UNPROCESSED FORM	Of the [QTY] [UNIT] [CONDITION] of the [CROP] harvested, how much of it was processed and sold (ground, milled, dried, roasted, oil extraction, fruit juice, etc) ? RECORD THE QUANTITY IN RAW UNPROCESSED FORM
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
	1								
	2								
	3								
	4								
	5								
	6								
	7								
8									
9									
10									

SECTION A3ii. CROP DISPOSITION

SALE OF PROCESSED CROP

C R O P N U M B E R	22.	23.			24.	25.	26.	27.	28.
	What was the <u>main</u> kind of processing of [CROP] for the sold processed crop? DRYING.....1 MILLING.....2 GRINDING.....3 ROASTING.....4 FRYING.....5 OIL EXTRACTION....6 JUICE EXTRACTION....7 OTHER (SPECIFY)....96	SEE UNIT CODES			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/or sale? SELECT ALL THAT APPLY	Who in the household decides on the use of the earnings from the sale of [CROP]? SELECT ALL THAT APPLY	Does the processing of [CROP] require electricity? YES...1 NO...2 ► NEXT CROP	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)...96
		QUANTITY	UNIT	SIZE	NAIRA	ID CODE	ID CODE		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									

SECTION PHL2. POST-HARVEST LABOUR - HIRED AND EXCHANGE

		HIRED LABOR						
C R O P	P E R S O N T Y P E	CAPI	2.	3.	4.	5.	6.	7.
		WAS [CROP] HARVESTED DURING THE AGRICULTURAL SEASON 2023/2024? YES...1 NO....2 ▶ NEXT PERSON-TYPE/CROP	Since [CROP] was harvested, has your household hired any [PERSON TYPE] to work on post-harvest activities (shelling, threshing, peeling, cleaning, milling, grinding, cooking oil production, etc.) for [CROP]? YES...1 NO....2 ▶ NEXT PERSON-TYPE/CROP	Since [CROP] was harvested, how many [PERSON TYPE] did your household hire to work on post-harvest activities on [CROP]?	Since [CROP] was harvested, how many days did a typical hired [PERSON] work on post-harvest activities on [CROP]?	Since [CROP] was harvested, during those days when hired [PERSON TYPE] worked on [CROP], how many hours per day did a typical [PERSON TYPE] work?	Since [CROP] was harvested, normally, how much did your household pay per day to the hired [PERSON TYPE] to work on post-harvest activities on [CROP]? INCLUDE IN-KIND PAYMENTS	Since [CROP] was harvested, what post-harvest activities did [PERSON TYPE] perform on [CROP]? SELECT ALL THAT APPLY SHELLING / THRESHING / PEELING.....1 SORTING.....2 DRYING.....3 CLEANING.....4 PROCESSING (MILLING, GRINDING, GRATING, COOKING OIL PRODUCTION, ETC).....5 SUPERVISION.....6
				NUMBER	DAYS	HOURS PER DAY	NAIRA PER DAY	
1	MEN							
1	WOMEN							
1	CHILDREN (UNDER 15)							
2	MEN							
2	WOMEN							
2	CHILDREN (UNDER 15)							
3	MEN							
3	WOMEN							
3	CHILDREN (UNDER 15)							
⋮	⋮							

SECTION PHL2. POST-HARVEST LABOUR - HIRED AND EXCHANGE

		EXCHANGE LABOR				
C R O P I D	P E R S O N T Y P E	8.	9.	10.	11.	12.
		Since the [CROP] was harvested, have any [PERSON TYPE] from other households worked on post-harvest activities (shelling, threshing, peeling, cleaning, milling, grinding, cooking oil production, etc.) free of charge, as exchange labourers or to assist for nothing in return? YES...1 NO...2 ► NEXT PERSON-TYPE/CROP	Since [CROP] was harvested, how many [PERSON TYPE] worked on post-harvest activities on [CROP] without pay?	Since [CROP] was harvested, how many days did a typical [PERSON TYPE] work without pay on post-harvest activities on [CROP]?	Since [CROP] was harvested, how many hours did a typical [PERSON TYPE] work on [CROP] for free?	Since [CROP] was harvested, what post-harvest activities did [PERSON TYPE] perform on [CROP]? SELECT ALL THAT APPLY SHELLING/THRESHING/PEELING.....1 SORTING.....2 DRYING.....3 CLEANING.....4 PROCESSING (MILLING, GRINDING, GRATING, COOKING OIL PRODUCTION, ETC)..5 SUPERVISION.....6
			NUMBER	DAYS	HOURS PER DAY	
1	MEN					
1	WOMEN					
1	CHILDREN (UNDER 15)					
2	MEN					
2	WOMEN					
2	CHILDREN (UNDER 15)					
3	MEN					
3	WOMEN					
3	CHILDREN (UNDER 15)					
⋮	⋮					

SECTION A4. AGRICULTURE CAPITAL

1.		2.		3.		4.		5.		6.	
Does your household own any... [ITEM]?		How many [ITEM] does your household own in total?		Is [ITEM] owned by ...		Who in the household own(s) this [ITEM]?		Was [ITEM] rented out for a payment at any time in the last 12 months?		How much (NAIRA) in total did your household receive from the rental of [ITEM]?	
ASK FOR EACH ITEM BEFORE (► Q2)		ONLY CONSIDER ITEMS THAT ARE CURRENTLY FUNCTIONAL		ENTIRE HOUSEHOLD...1 ► Q5 SPECIFIC HOUSEHOLD MEMBERS.....2		SELECT ALL THAT APPLY		INCLUDE IN-KIND PAYMENT		ESTIMATE THE NAIRA AMOUNT FOR IN-KIND PAYMENT	
IF NO TO ALL (► NEXT SECTION)								YES..1 NO...2 ► NEXT ITEM			
YES..1 NO...2 (►NEXT ITEM)											
ITEM	ITEM CODE		NUMBER			ID CODES				NAIRA	
Tractor	301										
Plough	302										
Trailer/Cart	303										
Ridger	304										
Planter	305										
Pickup	306										
Harvester	307										
Water pump	308										
Sprinkler	309										
Sprayer	312										
Outboard motor	313										
Canoe	314										
Boat	315										
Fishing net	316										
Wheelbarrow	318										
Cutlass	319										
Sickle	321										

SECTION A5B. EXTENSION SERVICES

S O U R C E C O D E	1.	2.	3.	4.	5.
	During the agricultural season 2023/2024, did you or anyone in your household receive any agricultural advice from/through [SOURCE]? ASK FOR EACH TOPIC BEFORE (► Q2). IF NO TO ALL (► NEXT SECTION)	Who in your household received advice/information through [SOURCE] during the 2023/2024 agricultural season? PROBE & SELECT ALL THAT APPLY	How many times did someone from [SOURCE] visit any household member's farm during the 2023/2024 agricultural season? RECORD THE TOTAL FOR THE ENTIRE HOUSEHOLD	Which topic(s) did your household receive information from/through [SOURCE] on? NEW SEED VARIETIES.....1 PEST CONTROL.....2 FERTILIZER USE.....3 IRRIGATION.....4 COMPOSTING (MANURE).....5 MARKETING/CROP SALES....6 GROWING/SELLING TOBACCO.7 ACCESS TO CREDIT.....8 FORESTRY.....9 GENERAL ANIMAL CARE....10 ANIMAL DISEASES / VACCINATION.....11 FISHERY PRODUCTION.....12 WEATHER FORECASTS/EXTREME WEATHER EVENT RISK.....13	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
	ID CODES		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	National weather service				
96	Other (Specify)				

SECTION 12. DIGITAL FARMING INFORMATION

	1.	2.	INTERVIEWER READ:	3.	4.
H H I D I D	<p>Since the last interview on [PP INTERVIEW DATE] did your household seek or receive information or advice for your farm?</p> <p>THIS INFORMATION AND ADVICE CAN BE WEATHER INFORMATION, TRAINING ON HOW TO HARVEST OR STORE YOUR CROP, ADVICE ON HOW TO FEED YOUR LIVESTOCK, INFORMATION ON MARKET PRICES, ETC.</p> <p>YES....1 NO....2 >> Q22</p>	<p>What type of information or advice did you receive since the last interview on [PP INTERVIEW DATE]?</p> <p>SELECT ALL THAT APPLY</p> <p>WEATHER INFORMATION.....1 CROP MANAGEMENT PRACTICES.....2 LIVESTOCK MANAGEMENT PRACTICES.....3 INPUTS AND EQUIPMENT INFORMATION.....4 INFORMATION ON BUYERS.....5 INFORMATION ON PRICES.....6 INFORMATION ON FARM CREDIT OR BORROWING.....7 INFORMATION ON FARM INSURANCE.....8 OTHER (SPECIFY).....96</p>	<p>We want to understand farmers’ experiences of working with organizations and community groups that provide helpful advice and information to farmers using a digital device (e.g. a mobile phone).</p> <p>They can be delivered directly to a mobile phone or through an agent (e.g. extension working or agrovet) that has a digital tool like a tablet, phone, computer, video, or projector.</p>	<p>Did your household seek or receive this information or advice in any of the following ways:</p> <p><u>THIS CAN BE USING A MOBILE PHONE OR AGENT TO DO ANYTHING.</u> INFORMATION AND ADVICE CAN RANGE FROM RECEIVING SMS WEATHER OR MARKET INFORMATION, USING AN APP THAT PROVIDES ADVICE ON BEST HARVESTING PRACTICES, OR EVEN RECEIVING ADVICE FROM AN EXTENSION AGENT WITH A TABLET THAT PROVIDES TRAINING FOR FARMING.</p> <p>On a mobile phone – yours or a household member’s / friend’s/ neighbour’s.....1 >> Q5 From an agent with a phone / tablet/computer/video.....2 Both on a mobile phone and from an agent with a mobile phone / tablet / computer / video.....3 No.....4 >> FILTER4</p>	<p>Can you tell us more about the agent(s) with whom you worked? Were they:</p> <p>SELECT ALL THAT APPLY</p> <p>A PRIVATE COMPANY.....1 A FARMER PRODUCER ORGANIZATION OR FARMER COOPERATIVES...2 A GOVERNMENT PROGRAM OR INSTITUTION OR AGENCY.....3 A FINANCIAL INSTITUTION-BANK OR MICRO FINANCE.....4 AN NGO.....5 A VILLAGE SAVINGS GROUP OR WOMEN'S GROUP.....6 SELF-EMPLOYED.....7 OTHER.....96 DON'T KNOW OR CANNOT SAY.....98</p>

SECTION 12. DIGITAL FARMING INFORMATION

				USER MODULE	
FILTER 1	5.	6.	FILTER 2	INTERVIEWER READ:	7.
H H I D	IS Q3=2?	Can you tell us more about who shared information on your mobile phone? Were they: SELECT ALL THAT APPLY	IS THE RESPONDENT A USER? (Q1=1) AND (Q3=1) AND (Q6= option 1 to 7) OR (Q1=1) AND (Q3=3) OR (Q1=1) AND (Q3=2)	I will now ask you about your experience with this organization(s), community group(s), or agent(s) who shared information or advice using a digital device. Going forward, I will refer to them as a digital information provider .	What information that you mentioned before came from the digital information provider(s)?
	YES...1 >> FILTER 2 NO....2	How did you use a mobile phone to seek or receive information or advice? What is it through: SELECT ALL THAT APPLY A Phone call.....1 SMS.....2 WhatsApp.....3 Facebook.....4 A Mobile Application.....5 Internet search by self- Google, YouTube, etc.....6 Other (Specify).....96	A Private Company.....1 A Farmer Producer Organization or Farmer Cooperatives.....2 A Government Program, Institution or Agency.....3 A Financial Institution-Bank or Micro Finance.....4 An NGO.....5 A Village Savings Group or Women's Group.....6 Don't know (but it is a company, organization, community group).....7 Someone else/Other(not a company, organization, community group etc)8 >> IF THIS IS THE ONLY ANSWER >>Q18		WEATHER INFORMATION.....1 CROP MANAGEMENT PRACTICES.....2 LIVESTOCK MANAGEMENT PRACTICES.....3 INPUTS AND EQUIPMENT INFORMATION.....4 INFORMATION ON BUYERS.....5 INFORMATION ON PRICES.....6 INFORMATION ON FARM CREDIT OR BORROWING.....7 INFORMATION ON FARM INSURANCE.....8 OTHER (SPECIFY).....96

SECTION 12. DIGITAL FARMING INFORMATION

USER MODULE						
8.	9.	10.	11.	12.	13.	14.
<p>Since the last interview on [PP INTERVIEW DATE] how often did you receive information or advice for your farm from the digital information provider(s) exactly when you needed it?</p> <p>All the time...1 Most of the time.....2 Some of the time.....3 Nearly none of the time.....4</p>	<p>How many different digital information provider(s) did you receive information or advice from since [PP INTERVIEW DATE]?</p> <p>ONE.....1 TWO..2 THREE OR MORE...3 DON'T KNOW.....98</p>	<p>Do you feel the amount of information you received from the digital information provider(s) was too much, too little, or just right:</p> <p>TOO MUCH.....1 TOO LITTLE....2 JUST RIGHT....3</p>	<p>Would you say that the information or advice from the digital information provider(s) was:</p> <p>Very trustworthy....1 Slightly trustworthy....2 Neither trustworthy not untrustworthy...3 Slightly untrustworthy...4 Very untrustworthy...5</p>	<p>Did you pay for the information provided by the digital information provider(s) since the last interview on [PP INTERVIEW DATE]?</p> <p>YES....1 NO....2 >> Q14</p>	<p>Did you think the price charged by the digital information provider(s) was:</p> <p>Very poor....1 Poor.....2 Fair.....3 Good.....4 Very good....5</p>	<p>On a scale of 0-10, how likely is it that you would recommend the digital information provider(s) to a friend, where 0 is not at all likely and 10 is extremely likely?</p> <p>0 - NOT AT ALL LIKELY 1 2 3 4 5 6 7 8 9 10 - EXTREMELY LIKELY</p>
H H I D I D						

SECTION 12. DIGITAL FARMING INFORMATION

USER MODULE					
15.	16.	17.	18.	19.	20.
<p>Has interacting with the digital information provider(s) changed your comfort with using digital tools for farming?</p> <p>YES....1 NO....2 >> Q14</p>	<p>How has the interaction changed your comfort level with using digital tools for farming? Are you now:</p> <p>Much more comfortable.....1 More comfortable....2 More uncomfortable.....3 Much more uncomfortable.....4</p>	<p>Think about all your farm-related information and advisory needs. Did the digital information provider meet none, some, most, or all your needs?</p> <p>NONE OF MY NEEDS.....1 SOME OF MY NEEDS.....2 MOST OF MY NEEDS.....3 ALL OF MY NEEDS.....4</p>	<p>Since the last interview on [PP INTERVIEW DATE], has your farming experience been much better, slightly better, the same, slightly worse or much worse because of the digital information provider(s)?</p> <p>MUCH BETTER.....1 SLIGHTLY BETTER..2 SAME.....3 SLIGHTLY WORSE...4 MUCH WORSE.....5</p>	<p>Did using the digital information provider(s) make it much easier, slightly easier, neither easier nor harder, slightly harder or much harder for you to find information or advice since the last interview on [PP INTERVIEW DATE]?</p> <p>MUCH EASIER.....1 SLIGHTLY EASIER..2 NEITHER EASIER NOR HARDER.....3 SLIGHTLY HARDER.....4 MUCH HARDER.....5</p>	<p>Other than information and advice, did you also receive other farming-related services from the digital information provider(s) since the last interview on [PP INTERVIEW DATE]? Did you receive:</p> <p>SELECT ALL THAT APPLY</p> <p>Farm inputs and/or farm equipment.....1 A service related to selling your produce.....2 Credit.....3 Insurance.....4 A digital wallet.....5 Other support related to farming.....96</p> <p>>> GO TO Q29a</p>
H H I D I D					

SECTION 12. DIGITAL FARMING INFORMATION

NON-USER MODULE						
	21.	FILTER 3	22.	FILTER 4	23.	24.
H H I D I D	What was the main service you received from the digital information provider(s)? BY MAIN SERVICE, WHICH SERVICE DID YOU ACCESS FIRST THAT OFFERED AN ADDITIONAL SERVICE. FOR EXAMPLE, I PURCHASED INPUTS FROM A PROVIDER THAT SHARED INFORMATION ON HOW TO APPLY THE INPUTS. THE MAIN PROVIDER IN THIS CASE IS "FARM INPUTS AND/OR FARM EQUIPMENT".	IS THE RESPONDENT AN INFORMAL USER? Enable Q18 if (Q1=1) AND (Q3=1) AND (Q6=option 8) YES...1 NO...2 >> FILTER 4	Since the last interview on [PP INTERVIEW DATE], who did you contact for farm-related information or advice using your mobile phone? SELECT ALL THAT APPLY VILLAGE CHIEF OR VILLAGE LEADER.....1 AN INDEPENDENT EXPERT (E.G. AGRONOMIST OR SCIENTIST).....2 FAMILY MEMBER, FRIEND, OR ACQUAINTANCE.....3 LOCAL TRADER, WHOLESALER, SHOPKEEPER..4 OTHER.....96 >> GO TO Q25	IS THE RESPONDENT A NON-USER? ENABLE Q22 IF Q1=1 AND Q3==4 YES...1 NO...2 >> Q25	Since the last interview on [PP INTERVIEW DATE], who did you contact for farm-related information or advice? SELECT ALL THAT APPLY A PRIVATE COMPANY.....1 AN NGO.....2 A GOVERNMENT AGENCY, PROGRAM, OR INSTITUTION.....3 A FARMER PRODUCER ORGANIZATION.....4 A SHOP OR VENDOR IN THE MARKET.....5 FRIENDS, FAMILY, ACQUAINTANCES.....6 OTHER (SPECIFY)...96	How did you receive this information? SLEECT ALL THAT APPLY IN-PERSON1 RADIO, TV, OR NEWSPAPER.....2 PHONE CALL.....3 TEXT MESSAGE.....4 EMAIL.....5 INTERNET WEBSITE.....6 OTHER.....96

SECTION 12. DIGITAL FARMING INFORMATION

NON-USER MODULE						
	25.	26.	27.	28.	INTERVIEWER READ:	29.
H H I D I D	<p>Do you know of any providers (e.g. companies or organisations) that share farm-related information with farmers on a mobile phone or through an agent with a digital device?</p> <p>YES...1 NO...2 >> Q29A</p>	<p>Did you have access to any of these providers this 2023 rainy season (from April until now)?</p> <p>I.E. WOULD YOU HAVE BEEN ABLE TO RECEIVE FARM-RELATED INFORMATION FROM ANY OF THESE PROVIDER(S) THIS 2023/24 AGRICULTURAL SEASON</p> <p>YES...1 >> Q28 NO...2</p>	<p>Can you please tell me why you did not have access to these providers?</p> <p>SELECT ALL THAT APPLY</p> <p>LIMITED CONNECTIVITY (PHONE OR INTERNET).....1 NOT COMFORTABLE WITH USING DIGITAL TOOLS.....2 TOO EXPENSIVE.....3 SECURITY CONCERNS.....4 TOO COMPLEX OR DIFFICULT TO USE.....5 POWER OUTAGES OR INFRASTRUCTURE CHALLENGES.....6 SERVICES DID NOT CATER TO NEEDS.....7 OTHER (SPECIFY).....96</p> <p style="text-align: center;">>>Q29A</p>	<p>Can you please tell me why you did not use these providers?</p> <p>SELECT ALL THAT APPLY</p> <p>DID NOT NEED INFORMATION.....1 HAD INFORMATION FROM OTHER SOURCES.....2 DID NOT FIND THE INFORMATION HELPFUL OR RELEVANT.....3 FOUND THE DIGITAL PLATFORM HARD TO USE.....4 DID NOT HAVE FUNDS TO PAY FOR IT.....5 DOES NOT TRUST THE INFORMATION.....6 NOT COMFORTABLE USING DIGITAL TOOLS.....7 OTHER (SPECIFY).....96</p>	<p>Thank you. Now I would like to ask about your experience of registering for, buying, or managing insurance for your farm, farm assets, or livestock for your farm this 2023 rainy season (from April until now).</p>	<p>Did your household register for, buy, or manage insurance for your household's farm, farm assets, or livestock this 2023 rainy season (from April until now)?</p> <p>CAN BE INSURANCE FOR CROPS, LIVESTOCK, OR EQUIPMENT LIKE A TRACTOR, IRRIGATION PUMP, SHED, ETC.</p> <p>YES....1 NO.....2 >> GO TO Q43</p>

SECTION 12. DIGITAL FARMING INFORMATION

H H I D I D	30.	31.	INTERVIEWER READ:	32.
	<p>What type of insurance plan was this?</p> <p>Crop.....1 Livestock insurance (cattle, poultry, fisheries, etc.).....2 Farm assets and equipment insurance.....3 OTHER (SPECIFY):.....96</p>	<p>How did you get this insurance?</p> <p>I REGISTERED FOR OR PURCHASED IT ON ITS OWN.....1 I RECEIVED IT THROUGH A GOVERNMENT AGENCY.....2 I REGISTERED FOR OR PURCHASED IT AS PART OF BUYING INPUTS (E.G., SEEDS).....3 I REGISTERED FOR OR PURCHASED IT AS PART OF BUYING FARM EQUIPMENT (E.G., SOLAR PUMP).....4 I REGISTERED FOR OR PURCHASED IT AS PART OF BUYING LIVESTOCK (E.G. CATTLE, CHICKEN).....5 I REGISTERED FOR OR PURCHASED IT AS PART OF BORROWING CREDIT FOR MY FARM.....6 OTHER (SPECIFY).....96</p>	<p>Thank you. We want to understand farmers’ experiences of working with organizations and community groups that provide insurance services to farmers using a digital device (e.g. a mobile phone).</p> <p>These can be arranged directly through a mobile phone or through an agent (e.g. extension working or agrovet) that has a digital tool like a tablet, phone, computer, video, or projector.</p>	<p>Did your household register for, buy, or manage insurance for your farm, farm assets, or livestock in any of the following ways:</p> <p>THIS CAN INCLUDE REGISTERING FOR INSURANCE, PAYING FOR OR TOPING UP INSURANCE, RECEIVING A PAY-OUT FROM A PROVIDER, ETC.</p> <p>On a mobile phone – yours or a household member’s/ friend’s/ neighbour’s.....1 >> Q30 From an agent with a phone/ tablet/computer/video.....2 Both on a mobile phone and from an agent with a mobile phone/ tablet/ computer/video..3 No.....4 >> FILTER8</p>

SECTION 12. DIGITAL FARMING INFORMATION

H H I D I D	<p>33.</p> <p>Can you tell us more about who the agent(s) worked with? Were they:</p> <p>SELECT ALL THAT APPLY</p> <p>A PRIVATE COMPANY.....2 A FARMER PRODUCER ORGANIZATION OR FARMER COOPERATIVES.....3 A GOVERNMENT PROGRAM OR INSTITUTION OR AGENCY.....4 A FINANCIAL INSTITUTION-BANK OR MICRO FINANCE.....5 AN NGO.....6 A VILLAGE SAVINGS GROUP OR WOMEN'S GROUP.....7 DON'T KNOW OR CANNOT SAY.....8 SELF-EMPLOYED.....1 OTHER (SPECIFY).....96</p>	<p>FILTER 5</p> <p>IS Q32=2?</p> <p>YES...1 >> FILTER 6 NO....2</p>	<p>34.</p> <p>How did you use a mobile phone to register for, buy, or manage insurance? Was it through:</p> <p>SELECT ALL THAT APPLY</p> <p>A Phone call.....1 SMS.....2 WhatsApp.....3 Facebook.....4 A Mobile Application.....5 Internet search by self- Google, YouTube, etc.....6 Other (SPECIFY).....96</p>	<p>35.</p> <p>Can you tell us more about who your household purchased farm, farm asset, or livestock insurance from on a mobile phone? Were they:</p> <p>SELECT ALL THAT APPLY</p> <p>A Private Company.....1 A Farmer Producer Organization or Farmer Cooperatives.....2 A Government Program or Institution or Agency.....3 A Financial Institution-Bank or Micro Finance.....4 An NGO.....5 A Village Savings Group or Women's Group.....6 Don't know (but it is a company, organization, community group).....7 Someone else/Other (not a company, organization, or community group).....8 >> IF THIS IS THE ONLY ANSWER >>Q42</p>	<p>FILTER 6</p> <p>IS THE RESPONDENT A USER?</p> <p>(Q29=1) AND (Q32=1) AND (Q35= option 1 to 7)</p> <p>OR (Q29=1) AND (Q32=2)</p> <p>OR (Q29=1) AND (Q32=3)</p> <p>YES....1 NO.....2 >> FILTER 8</p>

SECTION 12. DIGITAL FARMING INFORMATION

USER MODULE							
INTERVIEWER READ:	36.	37.	38.	39.	40.	41.	
H H I D I D	I will now ask you about your experience with this organization(s), community group(s), or agent(s) who you purchased or managed farm-related insurance from using a digital device. Going forward, I will refer to them as a digital insurance provider .	<p>What insurance related services did you do with the digital insurance provider(s) in this 2023 rainy season (from April until now)?</p> <p>SELECT ALL THAT APPLY</p> <p>Seeking or receiving information about insurance policies.....1 Registering or signing up for insurance.....2 Making policy and/or premium payments.....3 Making an insurance claim.....4 Checking the status of an insurance claim.....5 Receiving a pay-out from an insurance provider.....6 Other insurance related activity96</p>	<p>Did you receive a pay-out from the digital insurance provider(s) in this 2023 rainy season (from April until now)?</p> <p>IT IS POSSIBLE THAT FARMERS RECEIVE AN AUTOMATIC PAY-OUT IF THEY ARE REGISTERED FOR SOME TYPES OF INSURANCES AND THEY DO NOT NEED TO SUBMIT AN INSURANCE CLAIM</p> <p>YES....1 NO.....2 >> Q37</p>	<p>How satisfied were you with the value of pay-out from the digital insurance provider(s)?</p> <p>Very dissatisfied...1 Dissatisfied...2 Neutral.....3 Satisfied.....4 Very satisfied.5</p>	<p>Did you pay for insurance in this 2023 rainy season (from April until now)?</p> <p>YES....1 NO.....2 >> Q39</p>	<p>Did you think the price of insurance was:</p> <p>Very poor....1 Poor.....2 Fair.....3 Good.....4 Very good....5</p>	<p>Other than registering for, buying, or managing insurance, did you also receive other farming-related services from the digital insurance provider(s) this 2023 rainy season (from April until now)? Did you receive:</p> <p>SELECT ALL THAT APPLY</p> <p>Information on weather.....1 Information on crop and livestock management.....2 Farm inputs and/or farm equipment.....3 A service related to selling your produce.....4 Credit.....5 Insurance.....6 A digital wallet....7 Other support related to farming (SPECIFY)..96</p> <p>>> GO TO Q47a</p>

SECTION 12. DIGITAL FARMING INFORMATION

NON-USER MODULE						
FILTER 8	42.	43.	44.	45.	46.	47.
IS THE RESPONDENT A NON-USER? ENABLE Q41 IF Q27=1 AND Q29==4 YES...1 NO....2 >> Q43	From whom did you register for, buy, or manage insurance for your farm, farm assets, or livestock? A PRIVATE COMPANY.....1 AN NGO.....2 A GOVERNMENT AGENCY, PROGRAM, OR INSTITUTION.....3 A FARMER PRODUCER ORGANIZATION.....4 A VILLAGE LEVEL SAVINGS ASSOCIATION, SAVINGS AND/OR CREDIT GROUP.....5 LOCAL TRADER, WHOLESALER, SHOPKEEPER.....6 VILLAGE CHIEF OR VILLAGE LEADER.....7 FRIENDS, FAMILY, ACQUAINTANCES.....8 OTHER, (SPECIFY).....96	Do you know of any providers (e.g. companies or organisations) that provide farm, farm asset, or livestock insurance on a mobile phone or through an agent with a digital device? YES...1 NO....2 >> Q47a	Did you have access to any of these providers this 2023 rainy season (from April until now)? I.E. WOULD YOU HAVE BEEN ABLE TO PURCHASE OR MANAGE FARM-RELATED INSURANCE FROM ANY OF THESE PROVIDER(S) THIS 2023/24 AGRICULTURAL SEASON YES...1 >>Q45 NO....2	Can you please tell me why you did not have access to these providers? LIMITED CONNECTIVITY (PHONE OR INTERNET)...1 NOT COMFORTABLE WITH USING DIGITAL TOOLS.....2 TOO EXPENSIVE.....3 SECURITY CONCERNS.....4 TOO COMPLEX OR DIFFICULT TO USE.....5 POWER OUTAGES OR INFRASTRUCTURE CHALLENGES.....6 SERVICES DID NOT CATER TO NEEDS.....7 OTHER (SPECIFY).....96 >>Q47	Can you please tell me why you did not use these providers? DID NOT NEED INSURANCE.....1 HAD OTHER WAYS OF PROTECTING FARM.....2 DID NOT UNDERSTAND HOW INSURANCE WORKS...3 DID NOT LIKE THE TERMS / UNFAVOURABLE TERMS4 DID NOT HAVE FUNDS TO PAY FOR IT.....5 DOES NOT TRUST INSURANCE PROVIDERS.....6 NOT COMFORTABLE WITH USING DIGITAL TOOLS.....7 FOUND THE DIGITAL PLATFORM HARD TO USE.....8 OTHER (SPECIFY).....9	If not this season, has your household ever received insurance through a provider (e.g. organization, community group, agent or company) that offers insurance on a mobile phone or through an agent with a digital device? YES...1 NO....2

SECTION 12. DIGITAL FARMING INFORMATION

		Stacked Use						
INTERVIEWER READ	48.	FILTER 9	49.	50.	FILTER 10	51.	52.	FILTER 11
Thank you! I have a few final questions about your other farming activities this season, and some basic profile questions.	Since the last interview on [PP INTERVIEW DATE], which of these farming or livestock activities did you do? SELECT ALL THAT APPLY	CAPI: WAS OPTION 1 SELECTED IN Q47?	Did you purchase or rent inputs and/or equipment with the help of a provider (e.g. organization or company) that farm-related inputs or equipment using a mobile phone or through an agent with a digital device?	Did you have access to any of these providers?	CAPI: WAS OPTION 2 SELECTED IN Q48?	Did you sell crops, livestock, and/or livestock products with the help of a provider (e.g. organization or company) that sells your produce or shares information on buyers or prices using a mobile phone or through an agent with a digital device?	Did you have access to any of these providers?	CAPI: WAS OPTION 3 SELECTED IN Q48?
		Purchase or rent inputs and/or equipment for your farm.....1 Sell crops, livestock and/or livestock products from your farm.....2 Borrow or manage credit for your farm.....3	YES...1 NO....2 >> FILTER10	YES...1 >> FILTER10 NO....2	YES...1 NO....2	YES...1 NO....2 >> FILTER11	YES...1 >> FILTER11 NO....2	YES...1 NO....2
H H I D I D								

SECTION 12. DIGITAL FARMING INFORMATION

Stacked Use		RESILIENCE			
H H I D I D	53. Did you borrow or manage credit for your farm with the help of a provider (e.g. organization or company) that provides credit on a mobile phone or through an agent with a digital device?	54. Did you have access to any of these providers? YES...1 NO....2	55. Imagine you have an emergency, and you need to come up with 100,000 Naira within the month. How easy or difficult would it be to come up with this money next month? Very difficult...1 Somewhat difficult.....2 Neither difficult nor easy.....3 Somewhat easy....4 Very easy.....5	56. What would be your main option for coming up with 100,000 Naira in the next month? Not able to come up with the funds.....1 Use money that you have saved..2 Borrow money from a microfinance institution or bank.....3 Borrow money from relatives or friends.....4 Borrow money from a money lender.....5 Sell an asset.....6 Use money from your business or paycheck.....7 Do something else (please specify).....96 DON'T KNOW.....99	57. Which of the following was your household's main source of income in the last 6 months? NOTE: EXPLAIN THIS AS 1 MAIN SOURCE WHICH BRINGS IN THE LARGEST PORTION OF THE HOUSEHOLD'S INCOME. REGULAR WAGE/SALARY EARNING.....1 WAGES FROM OCCASIONAL JOB (CONTRACT).....2 INCOME FROM NON-FARM BUSINESS.....3 INCOME FROM SALE OF LIVESTOCK PRODUCE.....4 INCOME FROM SALE OF CROPS.....5 AGRICULTURAL LABOUR.....6 CASUAL LABOUR (TEMPORARY).....7 REMITTANCES.....8 PENSION.....9 OTHER (SPECIFY).....96
	YES...1 >> Q55 NO....2				

SECTION 11M. GPS MEASUREMENT

FILTER	1.		2.	3.	4.	CAPI FILTER	5.	6.
CAPI: WAS [PLOT] NOT MEASURED IN PP BUT IT WAS CULTIVATED AND STILL HAVE ACCESS TO IT? YES...1 NO....2 ► NEXT PLOT	INTERVIEWER: WAS [PLOT] MEASURED BY GPS? YES...1 ►Q3 NO....2	INTERVIEWER: WAS [PLOT] MEASURED BY THE SUSO FEATURE? YES...1 ►Q3 NO....2	WHY WAS [PLOT] NOT MEASURED USING GPS? TOO FAR.....1 THE FIELD IS OUT OF LGA.....2 UNWILLINGNESS OF THE HOLDER...4 OTHER (SPECIFY).....96	WHAT IS THE AREA OF [PLOT]? GPS DEVICE MEASURED IN SQ METER MEASURE THE PLOT USING THE GPS UNIT AND ENTER THE RESULT HERE. DO NOT OMIT RECORDING ZEROS TO THE RIGHT OF THE DECIMAL POINT. YES...1 ►Q4 NO....2	WHY WAS [PLOT] NOT MEASURED USING GPS? WHY WAS [PLOT] NOT MEASURED USING THE SUSO FEATURE? TOO FAR.....1 THE FIELD IS OUT OF LGA.....2 UNWILLINGNESS OF THE HOLDER...4 OTHER (SPECIFY).....96 (► NEXT PLOT)	IS Q1==1? YES...1 NO....2 ► NEXT PLOT	INTERVIEWER: RECORD THE COORDINATES FOR THE CENTER POINT OF THE PLOT. GPS MEASURED IN SQ. METER	INTERVIEWER: TAKE A PICTURE OF THE PLOT FROM ONE OF THE CORNERS.
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

PRODUCTION UNIT & CROP CODES

CROP CODES

CROP	CODE
BEANS/COWPEA	1010
CASSAVA	1020
COCOYAM	1040
COTTON	1050
GROUND NUT/PEANUTS	1060
GUINEA CORN/SORGHUM	1070
MAIZE	1080
MELON	1090
MILLET/MAIWA	1100
RICE	1110
WHITE YAM	1121
YELLOW YAM	1122
WATER YAM	1123
THREE LEAVE YAM	1124
ACHA	2010
BAMBARA NUT	2020
BANANA	2030
BEENI-SEED/SESAME	2040
CARROT	2050
CUCUMBER	2060
CABBAGE	2070
LETUS	2071

CROP	CODE
GARDEN EGG	2080
GARLIC	2090
GINGER	2100
OKRO	2120
ONION	2130
SWEET/BELL PEPPER (TATASHE)	2141
SMALL PEPPER (RODO)	2142
CHILLI PEPPER (SHOMBO)	3030
PIGEON PEA	2150
PINEAPPLE	2160
PLANTAIN	2170
IRISH POTATO	2180
SWEET POTATO	2181
PUMPKIN	2190
GREEN VEGETABLE	2194
SOYA BEANS	2220
SUGAR CANE	2230
TEA	2240
TOBACCO	2250
TOMATO	2260
WALNUT	2270
WHEAT	2280

CROP	CODE
ZOBO	2290
APPLE	3010
CASHEW	3020
COCOA	3040
COCONUT	3050
COFFE	3060
GRAPE FRUIT	3080
GUAVA	3090
KOLANUT	3110
LEMON	3120
LIME	3130
MANDARIN/TANGER	3150
MANGO	3160
ORANGE	3170
OIL PALM TREE	3180
AGBONO(ORO SEED)	3190
OIL BEAN	3200
PAWPAW	3210
PEAR	3220
AVOCADO PEAR	3221
RUBBER	3230
OTHER(SPECIFY)	9999

SEED UNIT CODES

UNIT	CODE
Kilograms (Kg)	1
Grams (g)	2
Litres (l)	3
Centilitres (cl)	4
Bin/basket	10
Paint Rubber	11
Milk cup	12
Cigarette cup	13
Tin	14
Congo small	20
Congo large	21
Mudu Small	30
Mudu Large	31
Derica Small	40
Derica Medium	41
Derica Large	42
Derica Very Large	43
Tiya Small	50
Tiya Medium	51
Tiya Large	52
Kobiowu Small	60
Kobiowu Medium	61
Kobiowu Large	62
Bowl Small	70
Bowl Medium	71
Bowl Large	72

UNIT	CODE
Piece Small	80
Piece Medium	81
Piece Large	82
Heap Small	90
Heap Medium	91
Heap Large	92
Bunch Small	100
Bunch Medium	101
Bunch Large	102
Basket Small	140
Basket Medium	141
Basket Large	142
Basin Small	150
Basin Medium	151
Basin Large	152
Bundle Small	160
Bundle Medium	161
Bundle Large	162
Wheelbarrow	170
Pick-up	180
Other (specify)	900

PRODUCTION UNIT & CROP CODES

CROP PRODUCTION UNIT CODES

<i>UNIT</i>	<i>CODE</i>
Kilograms (Kg)	1
Grams (g)	2
Litres (l)	3
Centilitres (cl)	4
Bin/basket	10
Paint Rubber	11
Milk cup	12
Cigarette cup	13
Tin	14
Congo small	20
Congo large	21
Mudu Small	30
Mudu Large	31
Derica Small	40
Derica Medium	41
Derica Large	42
Derica Very Large	43
Tiya Small	50
Tiya Medium	51
Tiya Large	52
Kobiowu Small	60
Kobiowu Medium	61
Kobiowu Large	62
Bowl Small	70
Bowl Medium	71
Bowl Large	72
Piece Small	80
Piece Medium	81
Piece Large	82
Heap Small	90
Heap Medium	91
Heap Large	92

<i>UNIT</i>	<i>CODE</i>
Bunch Small	100
Bunch Medium	101
Bunch Large	102
Stalk Small	110
Stalk Medium	111
Stalk Large	112
Packet/sachet Small	120
Packet/sachet Medium	121
Packet/sachet Large	122
Sack/Bag Small	130
Sack/Bag Medium	131
Sack/Bag Large	132
Basket Small	140
Basket Medium	141
Basket Large	142
Basin Small	150
Basin Medium	151
Basin Large	152
Bundle Small	160
Bundle Medium	161
Bundle Large	162
Wheelbarrow	170
Pick-up	180
Jerry can/rubber 10 Litres	190
Jerry can/rubber 20 Litres	191
Jerry can/rubber 25 Litres	192
Jerry can/rubber 50 Litres	193
Other (specify)	900