



United Republic of Tanzania  
National Bureau of Statistics

**CONFIDENTIAL**

## NATIONAL PANEL SURVEY

*This information is collected under the Act of the Parliament (Act No. 1 of 2002)  
THIS INFORMATION IS STRICTLY CONFIDENTIAL AND IS TO BE USED FOR STATISTICAL PURPOSES ONLY.*

### AGRICULTURAL QUESTIONNAIRE

#### **SECTION A-1: HOUSEHOLD IDENTIFICATION**

	CODE	NAME
1. REGION:	<input type="text"/>	.....
2. DISTRICT	<input type="text"/>	.....
3. WARD	<input type="text"/>	.....
4. VILLAGE/ENUMERATION AREA	<input type="text"/>	.....
5. KITONGOJI OR MTAA NAME		.....
7. HOUSEHOLD ID (FROM LIST) :	<input type="text"/>	.....
8. NAME OF HOUSEHOLD HEAD:		.....

MARK BOX WITH AN 'X' AND  
NUMBER FORMS BELOW IF YOU  
USE MORE THAN THIS SINGLE  
FORM TO COLLECT INFORMATION  
FROM THIS HOUSEHOLD. IF SO,  
BE SURE TO MARK IN THE SAME  
WAY THE OTHER FORMS USED  
FOR THIS HOUSEHOLD

FORM \_\_\_\_ OF \_\_\_\_ TOTAL

9 NAME OF INTERVIEWER

10 INTERVIEWER ID

11 MUDA WA KUENZA (SWAHILI)

12 DATE OF INTERVIEW

13 NAME OF SUPERVISOR

14 SUPERVISOR ID

15 DATE OF QUESTIONNAIRE INSPECTION

16 NAME OF DATA ENTRY CLERK

17 DATA ENTRY CLERK ID

18 DATE OF DATA ENTRY

19 DATE SENT TO HQ

20 DATE OF CONFIRMATION

(ENUMERATOR :  
▶ **NEXT PAGE**)

**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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**1. HOUSEHOLD ROSTER**

**PLEASE COPY THE FOLLOWING INFORMATION FROM THE HOUSEHOLD QUESTIONNAIRE**

ID	1. NAME	2. AGE  YEARS	3. SEX		4. MARK WITH 'X' THE RESPONDENT OR RESPONDENTS TO THIS QUESTIONNAIRE
			MALE 1	FEMALE 2	
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

**2. PLOT ROSTER**

1. Did you or anyone in this household own or cultivate any plots in the long rainy season 2008?

YES.....1   
 NO.....2 ► Q5

**A.** PLEASE LIST ALL PLOTS ANYONE IN YOUR HOUSEHOLD OWNED OR CULTIVATED DURING THE 2008 LONG RAINY SEASON.

	2. PLOT NAME	3. DESCRIPTION/LOCATION	4. AREA (ACRES)		
M1				.	
M2				.	
M3				.	
M4				.	
M5				.	
M6				.	
M7				.	

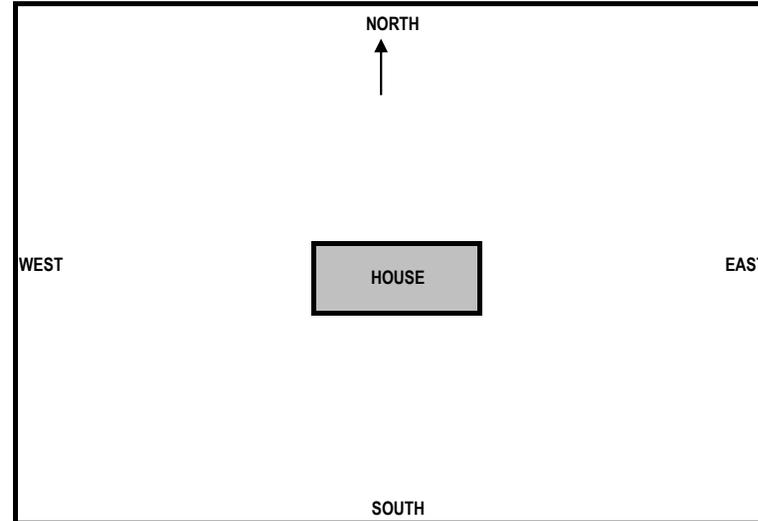
5. What year was the last completed short rainy season? Short rainy season 2007 ... 1   
 Short rainy season 2008 ... 2

6. In addition to the plots above, did you or anyone in your household own or cultivate any plots during the last completed short rainy season [YEAR] (USE YEAR FROM Q5)?

YES.....1   
 NO.....2 ► 10

**B.** PLEASE LIST ANY ADDITIONAL PLOTS OWNED OR CULTIVATED BY ANYONE IN THE HOUSEHOLD DURING THE SHORT RAINY SEASON [YEAR] (USE YEAR FROM Q5).

	7. PLOT NAME	8. DESCRIPTION/LOCATION	9. AREA (ACRES)		
V1				.	
V2				.	
V3				.	
V4				.	
V5				.	



Please sketch approximate location of each plot w.r.t. house and mark approximate walking distance (in minutes).

10. DID THE HOUSEHOLD OWN OR CULTIVATE ANY PLOTS IN THE LONG OR SHORT RAINY SEASONS MENTIONED IN TABLE A OR TABLE B?

YES.....1   
 NO.....2 SECTION 10A

**3. PLOT DETAILS**

**3A. LONG RAINY SEASON**

<p>1. LIST ALL PLOTS OWNED OR CULTIVATED BY THE HOUSEHOLD IN MASIKA 2008.  REFER TO SECTION 2A.</p>	<p>2. What is the distance from [PLOT] to:</p> <table border="1"> <tr> <td>HOME</td> <td>ROAD</td> <td>MARKET</td> </tr> <tr> <td>KM</td> <td>KM</td> <td>KM</td> </tr> </table>	HOME	ROAD	MARKET	KM	KM	KM	<p>3. How did you use this plot during the long rainy season 2008?</p> <p>CULTIVATED 1 ► 5 RENTED OUT 2 GIVEN OUT 3 ► 7 FALLOW 4 ► 20 FOREST 5 ► 21 OTHER 6 ► 19</p>	<p>4. What was the total income from renting out this plot during the long rainy season 2008?</p> <p>INCLUDE: IN-KIND INCOME INCOME BY CROP OUTPUT FUTURE/PLANNED INCOMES ENTER 0 IF GIVEN OUT FOR FREE</p> <p>► Q7 T-SHILLINGS</p>	<p>5. What was the main crop cultivated on this plot in the long rainy season 2008?</p> <p>CROP NAME   Code</p>	<p>6. Who decided what to plant on this plot in the long rainy season 2008?</p> <p>RECORD UP TO 3 ID CODES FROM HH ROSTER AND INDICATE UP TO 1 NON-HOUSEHOLD MEMBER FROM NETWORK ROSTER</p> <p>NETWORK ROSTER ID</p> <p>ID #1   ID #2   ID #3</p>
HOME	ROAD	MARKET									
KM	KM	KM									

PLEASE INDICATE THE LAST COMPLETED SHORT RAINY SEASON: 2007 |\_\_| 2008 |\_\_|

**3B. SHORT RAINY SEASON**

<p>1a. LIST ALL PLOTS OWNED OR CULTIVATED BY THE HOUSEHOLD IN MASIKA 2008 OR THE LAST COMPLETED VULI SEASON.  REFER TO SECTIONS 2A AND 2B.</p>	<p>1b. ENUMERATOR: DID YOU ALREADY LIST THIS PLOT ABOVE IN 3A?</p> <p>YES 1 ► 36 NO 2</p>	<p>2. What is the distance from [PLOT] to:</p> <table border="1"> <tr> <td>HOME</td> <td>ROAD</td> <td>MARKET</td> </tr> <tr> <td>KM</td> <td>KM</td> <td>KM</td> </tr> </table>	HOME	ROAD	MARKET	KM	KM	KM	<p>3. How did you use this plot during the last completed short rainy season?</p> <p>► !</p>	<p>4. What was the total income from renting out this plot during the last completed short rainy season?</p> <p>► Q7</p>	<p>5. What was the main crop cultivated on this plot in the last completed short rainy season?</p> <p>CROP NAME   Code</p>	<p>6. Who decided what to plant on this plot in the last completed short rainy season?</p> <p>NETWORK ROSTER ID</p> <p>ID #1   ID #2   ID #3</p>
HOME	ROAD	MARKET										
KM	KM	KM										

7.	8.	9.	10.	11.	12.	13.	14.	15.
What was the soil type of this plot?	What was the soil quality of this plot?	How do you know the quality of the soil?	Were there any problems with erosion on this plot in the long rainy season 2008?	What was the cause of these erosion problems?	Was there any erosion control/water harvesting facility on this plot in the long rainy season 2008?	What type of erosion control/water harvesting facility was on this plot?	How steep is the slope of this plot?	Was this plot irrigated in the long rainy season 2008?
SANDY 1		SCIENTIFICALLY TESTED 1	YES 1	WIND 1	YES 1	TERRACES 1	FLAT BOTTOM 1	YES 1
LOAM 2	GOOD 1		NO 2 ▶ Q12	RAIN 2	NO 2 ▶ Q14	EROSION CONTROL BUNDS 2	FLAT TOP 2	
CLAY 3	AVERAGE 2	OWN EXPERIENCE 2		ANIMALS 3		GABIONS/SANDBAGS 3	SLIGHTLY SLOPED 3	
OTHER 4	BAD 3	OTHER 3		CULTIVATION WHICH DOES NOT COMPLY WITH SOIL CONSERVATION 4		VETIVER GRASS 4	VERY STEEP 4	
				OTHER 5		TREE BELTS 5		
						WATER HARVEST BUNDS 6		
						DRAINAGE DITCHES 7		
						DAM 8		
						[LIST MAIN TWO]		
						1st   2nd		

7.	8.	9.	10.	11.	12.	13.	14.	15.
What was the soil type of this plot?	What was the soil quality of this plot in the last completed short rainy season?	How do you know the quality of the soil?	Were there any problems with erosion on this plot?	What was the cause of these erosion problems?	Was there any erosion control/water harvesting facility on this plot in the last completed short rainy season?	What type of erosion control/water harvesting facility was on this plot?	How steep was the slope of this plot?	Was this plot irrigated in the last completed short rainy season?
			▶ !		▶ !			▶ !

16. What was the type of irrigation?	17. What was the method of obtaining water?	18. What was the source of water?	19. What was the most recent year in which the plot was left fallow?	20. For how many consecutive years was this plot left fallow this last time?	21. What would the value of this plot be if it were sold today?	22. What was the ownership status of this plot in the long rainy season 2008?	23. With whom do you co-own this plot?	24. What share does your household get of the output?	25. Did anyone in the household have a title for this land?
FLOODING SPRINKLER DRIP IRRIGATION BUCKET/ WATERING CAN WATER HOSE OTHER	1 2 3 4 5 6	GRAVITY HAND BUCKET HAND/FOOT PUMP MOTOR PUMP OTHER	1 2 3 4 5	IF NEVER, ENTER 0 ▶ Q21 IF DON'T KNOW, ENTER "98" ▶ Q21 YEAR [4 digit]	NUMBER	T-SHILLINGS OWNED USED FREE OF CHARGE RENTED IN SHARED - RENT SHARED - OWN	1 ▶ Q25 2 ▶ Q33 3 ▶ Q30 4 ▶ Q29 5	NETWORK ROSTER ID NOTHING ALMOST NOTHING ONE QUARTER HALF THREE QUARTERS ALMOST ALL	1 2 3 4 5 6 YES 1 NO 2 ▶ Q27


16. What was the type of irrigation?	17. What was the method of obtaining water?	18. What was the source of water?	19. What was the most recent year in which the plot was left fallow?	20. For how many consecutive years was this plot left fallow this last time?	21. What would the value of this plot be if it were sold today?	22. What was the ownership status of this plot the last completed short rainy season?	23. With whom do you co-own this plot?	24. What share does your household get of the output?	25. Did anyone in the household have a title for this land?
			▶!			▶!			▶!


26. What type of title did your household have for this plot?  GRANTED RIGHT OF OCCUPANCY...1 CERTIFICATE OF CUSTOMARY RIGHT OF OCCUPANCY.....2 RESIDENTIAL LICENSE.....3 VILLAGE-GOVERNMENT-WITNESSED PURCHASE AGREEMENT.....4 LOCAL-COURT-CERTIFIED PURCHASE AGREEMENT.....5 INHERITANCE LETTER.....6 LETTER OF ALLOCATION FROM VILLAGE GOV'T.....7 OTHER GOVERNMENT DOCUMENT....8 OFFICIAL CORRESPONDENCE.....9 UTILITY OR OTHER BILL.....10	27. Who in the household owns this plot?  LIST UP TO 2 JOINT OWNERS  ID #1   ID #2	28. Did the owner/household have the right to sell this plot or use it as collateral?  ▶ Q34  YES 1 NO 2	29. With whom do you co-rent this plot?  NETWORK ROSTER ID	30. How much did you pay to the owner for the use of this land in the long rainy season 2008?  INCLUDE: IN-KIND PAYMENTS, PAYMENT BY CROP OUTPUT, FUTURE / PLANNED PAYMENTS, PAST PAYMENTS FOR THE LONG RAINY SEASON 2008  IF NO PAYMENT IS TO BE MADE, WRITE "0" ▶ Q32  T-SHILLINGS	31. What period of time did this payment cover?  NO. UNITS   UNIT	32. What share of output from this plot did you give as rent, if any, in the long rainy season 2008?  NONE 1 ALMOST NONE 2 ABOUT 25% 3 ABOUT 50% 4 ABOUT 75% 5 ALMOST ALL 6	33. Who owns the plot?  ▶ 35  NETWORK ROSTER ID

26. What type of title did your household have for this plot?	27. Who in the household owns this plot?	28. Did the owner/household have the right to sell this plot or use it as collateral?  ▶ !	29. With whom do you co-rent this plot?	30. How much did you pay to the owner for the use of this land in the last completed short rainy season?  ▶ !	31. What period of time did this payment cover?	32. What share of output from this plot did you give as rent, if any, in the last completed short rainy season 2008?	33. Who owns the plot?  ▶ !

ORGANIC FERTILIZER						INORGANIC FERTILIZER				
34. In which year was the plot acquired?	35. Would you feel comfortable leaving this plot uncultivated for several months without being worried of losing it?	36. DID THE HOUSEHOLD CULTIVATE THIS PLOT IN THE LONG RAINY SEASON 2008?	37. Did you use any ORGANIC FERTILIZER on [PLOT] in the long rainy season 2008?	38. What was the quantity of organic fertilizer used?	39. Was any of this purchased?	40. How much was purchased?	41. What was the total value of organic fertilizer purchased?	42. Where did you buy most of the organic fertilizer?	43. Did you use any INORGANIC FERTILIZER on [PLOT] in the long rainy season 2008?	44. What type of INORGANIC FERTILIZER did you use?
YEAR (4 digit)	YES 1 NO 2	YES 1 NO 2 ▶ 64.	YES 1 NO 2 ▶ Q43	KGs	YES 1 NO 2 ▶ Q43	KGs	T-SHILLINGS	LIST UP TO TWO NETWORK ROSTER ID 1   2	YES 1 NO 2 ▶ Q49	SEE CODES IN TABLE TO THE RIGHT

ORGANIC FERTILIZER						INORGANIC FERTILIZER				
34. In which year was the plot acquired?	35. Would you feel comfortable leaving this plot uncultivated for several months without being worried of losing it?	36. DID THE HOUSEHOLD CULTIVATE THIS PLOT IN THE LAST SHORT RAINY SEASON?	37. Did you use any ORGANIC FERTILIZER on [PLOT] in the last completed short rainy season?	38. What was the quantity of organic fertilizer used?	39. Was any of this purchased?	40. How much was purchased?	41. What was the total value of organic fertilizer purchased?	42. Where did you buy most of the organic fertilizer?	43. Did you use any INORGANIC FERTILIZER on [PLOT] in the last completed short rainy season?	44. What type of INORGANIC FERTILIZER did you use?
		▶!	▶!		▶!				▶!	

45. What quantity of this inorganic fertilizer did you use?	46. What was the total value of inorganic fertilizer purchased?	47. Why did you choose to use this specific type of inorganic fertilizer?	48. Where did you buy most of the INORGANIC fertilizer?
KGS	T-SHILLINGS	ADVICE BY AGRICULTURAL OFFICER 1 OWN EXPERIENCE 2 NEIGHBOUR ADVICE 3 OTHER 4	LIST UP TO TWO NETWORK ROSTER ID 1 2

**LIST OF INORGANIC FERTILIZERS**

Di-ammoium Phosphate (DAP)...1

UREA.....2

Triple Super Phosphate (TSP)...3

Calcium Ammonium Nitrate (CAN)....4

Sulphate of Ammonium (SA)....5

Nitrogen Phosphate Potassium (NPK)...6

Minkingu Rock Phosphate (MRP)...7


**PESTICIDES/HERBICIDES**

49. Did you use any pesticide/ herbicide on [PLOT] in the long rainy season 2008?	50. What type of pesticide/herbicide did you apply?	51. What quantity of this pesticide/ herbicide did you use?	52. What was the total value of pesticides/ herbicides purchased?
YES 1 NO 2 ► Q55		KG 1 LITRE 2 MILLILITRE 3	T-SHILLINGS
		AMOUNT	UNIT


45. What quantity of this inorganic fertilizer did you use?	46. What was the total value of inorganic fertilizer purchased?	47. Why did you choose to use this specific type of inorganic fertilizer?	48. Where did you buy most of the INORGANIC fertilizer?
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**LIST OF PESTICIDES/ HERBICIDES**

PESTICIDE.....1

HERBICIDE.....2

FUNGICIDE.....3

OTHER (SPECIFY)...4


**PESTICIDES/HERBICIDES**

49. Did you use any pesticide/ herbicide on [PLOT] in the last completed short rainy season?	50. What type of pesticide/herbicide did you apply?	51. What quantity of this pesticide/ herbicide did you use?	52. What was the total value of pesticides/ herbicides purchased?
► !			


**INPUTS ON CREDIT**

53. Why did you choose to use this specific type of pesticide/herbicide?	54. Where did you buy most of the pesticides/ herbicides?	55. Did you receive any seeds, fertilizers, pesticides or herbicides for [PLOT] on credit to be paid later on during the long rainy agricultural season 2008?	56. What were the types of input you received on credit? LIST ALL	57. How much did you pay up front for these inputs?	58. How much did you repay in cash later on for the inputs?	59. How much did you repay in kind later on for the inputs?	60. From whom did you receive these inputs on credit?
ADVICE BY AGRICULTURAL OFFICER 1 OWN EXPERIENCE 2 NEIGHBOUR ADVICE 3 OTHER 4	LIST UP TO TWO NETWORK ROSTER ID 1   2	YES 1 NO 2 ▶ 61	SEEDS 1 ORGANIC FERTILIZER 2 INORGANIC FERTILIZER 3 PESTICIDES/HERBICIDES 4 #1   #2   #3   #4	T-SHILLINGS	T-SHILLINGS	THIS CROP (KGs) 1 LABOR (DAYS) 2 OTHER 3 QUANTITY   CODE	NETWORK ROSTER ID #1   #2

**INPUTS ON CREDIT**

53. Why did you choose to use this specific type of pesticide/herbicide?	54. Where did you buy most of the pesticides/ herbicides?	55. Did you receive any seeds, fertilizers, pesticides or herbicides for [PLOT] on credit to be paid later on during the last completed short rainy season?	56. What were the types of input you received on credit? LIST ALL	57. How much did you pay up front for these inputs?	58. How much did you repay in cash later on for the seeds?	59. How much did you repay in kind later on for the seeds?	60. From whom did you receive these inputs on credit?
		▶ !					

**HOUSEHOLD LABOR**

61. During the long rainy season 2008, how many days did [NAME] spend on the following activities on this plot?

Land preparation and planting?						Weeding						Harvesting					
ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:

**HIRED LABOR**

62. Did you hire any labor to work on this plot in the long rainy season 2008?

YES 1  
NO 2 ▶ 64


**AJIRA - KAZI ZA MALIPO**

61. During the last completed short rainy season, how many days did [NAME] spend on the following activities on this plot?

Land preparation and planting?						Weeding						Harvesting					
ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:	ID:

62. Did you hire any labor to work on this plot in the last completed short rainy season?

▶ !


**HIRED LABOR**

63. During the long rainy season 2008, how many days did your household have hired labor for this plot for [...]?									64. WHEN WAS THE LAST SHORT RAINY SEASON?  [USE INFORMATION IN SECTION 2]		65. Did you cultivate this plot in the short rainy season 2007?	
LAND PREPARATION AND PLANTING			WEEDING			HARVESTING						
MAN DAYS	WOMAN DAYS	TOTAL WAGE PAID (TSH)	MAN DAYS	WOMAN DAYS	TOTAL WAGE PAID (TSH)	MAN DAYS	WOMAN DAYS	TOTAL WAGE PAID (TSH)	OCT-DEC 2007	1	YES	1
									OCT-DEC 2008	2	NO	2 ▶ Q67

**AJIRA - KAZI ZA MALIPO**

63. During the last completed short rainy season, how many days did your household have hired labor for this plot for [...]?									64. ENUMERATOR: DID YOU ALREADY LIST THIS PLOT ABOVE IN 3A?		65. WHAT YEAR WAS THE LAST COMPLETED SHORT RAINY SEASON?	
LAND PREPARATION AND PLANTING			WEEDING			HARVESTING						
MAN DAYS	WOMAN DAYS	TOTAL WAGE PAID (TSH)	MAN DAYS	WOMAN DAYS	TOTAL WAGE PAID (TSH)	MAN DAYS	WOMAN DAYS	TOTAL WAGE PAID (TSH)	YES	1 ▶ NEXT PLOT	2007	1
									NO	2	2008	2 ▶ Q67



**3A-B. PLOT DETAILS**

**3A. LONG RAINY SEASON**

P L O T  I D	1. LIST ALL PLOTS CULTIVATED OR OWNED BY THE HOUSEHOLD DURING THE LONG RAINY SEASON 2008.  REFER TO SECTION 2.A
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**3B. SHORT RAINY SEASON**

P L O T  I D	1. LIST ALL PLOTS OWNED OR CULTIVATED BY THE HOUSEHOLD IN THE LONG RAINY SEASON 2008 OR THE LAST COMPLETED SHORT RAINY SEASON.  REFER TO SECTIONS 2A <u>AND</u> 2B.
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LOSSES						SEEDS						
11. What was the first and last month of the harvest period?  PUT "0" IN "END" IF NOT YET COMPLETE MONTH BEGIN   END	12. Have you finished the harvest?  YES 1 ► 15 NO 2	13. How many more days do you expect the harvest to last?  DAYS	14. What fraction of the crop remains to be harvested in this period?  PERCENT	15. What was the quantity harvested?  Convert local units to kilograms KGs	16. What is the estimated value of the harvested crop?  HOW MUCH WAS HARVEST WORTH IN THE MARKET DURING HARVEST SEASON?  T-SHILLINGS	17. Were there any losses of crops before the harvest?  YES 1 NO 2 ► Q19	18. What was the cause of these losses?  BIRDS 1 ANIMALS 2 INSECTS 3 DISEASES 4 THEFT 5 OTHER 6	19. Did you purchase any SEED for [CROP] in the long rainy season 2008?  YES 1 NO 2 ► Q22	20. What was the total value of seeds purchased?  T-SHILLINGS	21. Where did you buy most of the seed?  LIST UP TO TWO NETWORK ROSTER ID 1   2	22. What type of seed did you purchase?  TRADITIONAL 1 ► NEXT CROP IMPROVED 2	23. What type of improved seed did you purchase?  CERTIFIED 1 QUALITY DECLARED 2

LOSSES						SEEDS						
11. What was the first and last month of the harvest period?	12. Have you finished the harvest?  ► !	13. How many more days do you expect the harvest to last?	14. What fraction of the crop remains to be harvested in this period?	15. What was the quantity harvested?	16. What is the estimated value of the harvested crop?	17. Were there any losses of crops before the harvest?  ► !	18. What was the cause of these losses?	19. Did you purchase any SEED for [CROP] in the last completed short rainy season?  ► !	20. What was the total value of seeds purchased?	21. Where did you buy most of the seed?	22. What type of seed did you purchase?  ► !	23. What type of improved seed did you purchase?

**4. CROPS BY PLOT**

**LONG RAINY SEASON 2008**

P L O T	C R O P	PLEASE LIST ALL PLOTS CULTIVATED DURING THE LONG RAINY SEASON 2008.	
		FOR EACH PLOT LIST ALL CROPS CULTIVATED.	
CODE	CODE	PLOT NAME	CROP NAME

**4B. LAST COMPLETED SHORT RAINY SEASON**

P L O T	C R O P	PLEASE LIST ALL PLOTS CULTIVATED DURING THE LAST COMPLETED SHORT RAINY SEASON.	
		FOR EACH PLOT LIST ALL CROPS CULTIVATED.	
CODE	CODE	PLOT NAME	CROP NAME

## 5. CROPS - HOUSEHOLD TOTALS

### 5A. LONG RAINY SEASON 2008

PLEASE FILL IN THE FLAP WITH ALL CROPS CULTIVATED DURING THE LONG RAINY SEASON 2008

#### SALES

C R O P  C O D E	1. Did you sell any of the [CROP] produced in the long rainy season 2008?	2. What was the quantity sold?	3. What was the total value of the sales?	4. To which persons, firms or institutions did you sell most [CROP]?	5. What quantity of [CROP] did you sell to [CUSTOMER #1]?	6. What was the total value of these sales to [CUSTOMER #1]?	7. What quantity of [CROP] did you sell to [CUSTOMER #2]?	8. What was the total value of these sales to [CUSTOMER #2]?	9. Did you transport [CROP] for sale?	10. What is the average distance you transported [CROP] for sale?	11. How many times did you transport [CROP] for sale during the long rainy season in 2008?
	YES 1 NO 2 ► Q14	KGs	T-SHILLINGS	LIST UP TO TWO, START WITH LARGEST CUSTOMER  NETWORK ROSTER ID CODE #1   #2	KGs	T-SHILLINGS	KGs	T-SHILLINGS	YES 1 NO 2 ► 14	KM	MARA

### 5B. SHORT RAINY SEASON 2008

PLEASE FILL IN THE FLAP WITH ALL CROPS CULTIVATED DURING THE LAST COMPLETED SHORT RAINY SEASON 2008

#### SALES

C R O P  C O D E	1. Did you sell any of the [CROP] produced in the last completed short rainy season?	2. What was the quantity sold?	3. What was the total value of the sales?	4. To which persons, firms or institutions did you sell most [CROP]?	5. What quantity of [CROP] did you sell to [CUSTOMER #1]?	6. What was the total value of these sales to [CUSTOMER #1]?	7. What quantity of [CROP] did you sell to [CUSTOMER #2]?	8. What was the total value of these sales to [CUSTOMER #2]?	9. Did you transport [CROP] for sale?	10. What is the average distance you transported [CROP] for sale?	11. How many times did you transport [CROP] for sale during the short rainy season?
	YES 1 NO 2 ► Q14	CONVERT LOCAL UNITS INTO KILOGRAMS  KGs	T-SHILLINGS	START WITH LARGEST CUSTOMER. LIST UP TO TWO  NETWORK ROSTER ID CODE #1   #2	KGs	T-SHILLINGS	KGs	T-SHILLINGS	YES 1 NO 2 ► 14	KM	MARA

POST-HARVEST LOSSES					STORAGE					
12. How did you transport [CROP]?	13. How much did you pay to transport [CROP] during the long rainy season 2008?	14. Was any portion of the production lost post-harvest to rotting, insects, rodents, theft, etc?	15. Reason for loss	16. Out of 10 units of [CROP], how many were lost?	17. What was the value of this lost crop?	18. Do you have any of the harvest from the long rainy season 2008 in storage now?	19. How much of this harvest do you still have in storage?	20. What is your main method of storage?		
ON FOOT	1		ROTTING	1				SACKS/OPEN DRUM	4	
BICYCLE	2		INSECTS	2				AIRTIGHT DRUM	5	
ANIMAL	3		RODENTS, PESTS	3				TRADITIONAL STRUCTURE	1 UNPROTECTED	
CAR	4		THEFT	4		YES	1 KGs	IMPROVED LOCALLY	PILE	6
OTHER (SPECIFY)	5	T-SHILLINGS	OTHER	5	NUMBER (0-10)	NO	2 ► Q21	MADE STRUCTURE	2 CEILING	7
		YES 1 NO 2 ► Q18			T-SHILLINGS		AMOUNT	MODERN STORE	3 OTHER	8

POST-HARVEST LOSSES					STORAGE					
12. How did you transport [CROP]?	13. How much did you pay to transport [CROP] during the short rainy season?	14. Was any portion of this production lost post-harvest to rotting, insects, rodents, theft, etc?	15. Reason for loss	16. Out of 10 units of [CROP], how many were lost?	17. What was the value of this lost crop?	18. Do you have any of the harvest from the last completed short rainy season in storage now?	19. How much of this harvest do you still have in storage?	20. What is your main method of storage?		
ON FOOT	1		ROTTING	1				SACKS/OPEN DRUM	4	
BICYCLE	2		INSECTS	2				AIRTIGHT DRUM	5	
ANIMAL	3		PESTS	3				TRADITIONAL STRUCTURE	1 UNPROTECTED	
CAR	4		THEFT	4		YES	1 KGs	IMPROVED LOCALLY	PILE	6
OTHER (SPEC)	5	T-SHILLINGS	OTHER	5	NUMBER (0-10)	NO	2 ► Q21	MADE STRUCTURE	2 CEILING	7
		YES 1 NO 2 ► Q18			T-SHILLINGS		AMOUNT	MODERN STORE	3 OTHER	8

21. Did you do anything to protect the stored crop?	22. What did you do?	23. When you store [CROP], what is usually the main purpose of storing it?
YES 1	SPRAYING 1	FOOD FOR HOUSEHOLD 1
NO 2 ► Q23	SMOKING 2	TO SELLL AT HIGHER PRICE 2
	OTHER 3	SEED FOR PLANTING 3
		OTHER 4

21. Did you do anything to protect the stored crop?	22. What did you do?	23. When you store [CROP], what is usually the main purpose of storing it?
YES 1	SPRAYING 1	FOOD FOR HOUSEHOLD 1
NO 2 ► Q29	SMOKING 2	TO SELLL AT HIGHER PRICE 2
	OTHER 3	SEED FOR PLANTING 3
		OTHER 4

**5. CROPS - HOUSEHOLD TOTALS**

**5A. LONG RAINY SEASON 2008**

<b>C R O P</b>	PLEASE LIST ALL CROPS GROWN ON ANY PLOT DURING THE LONG RAINY SEASON 2008, AS LISTED IN SECTION 4
	CODE CROP NAME


**6B. SHORT RAINY SEASON**

<b>C R O P</b>	PLEASE LIST ALL CROPS GROWN ON ANY PLOT DURING THE LONG RAINY SEASON 2008, AS LISTED IN SECTION 4
	CROP NAME


**6. PERMANENT CROPS BY PLOT**

**6A. FRUIT TREES**

**LOSSES**

P L O T	C R O P	1. PLEASE LIST ALL PLOTS CULTIVATED DURING THE LAST 12 MONTHS.  FOR EACH PLOT, LIST ALL FRUITS CULTIVATED.  FRUIT NAME	2. How many of these plants/ trees are on this plot?  NUMBER	3. In what year were most of these plants/ trees planted?  YEAR [4 digit]	4. How many trees/ plants were planted during the last 12 months?  NUMBER	5. Was cultivation intercropped during the past long rainy season?			6. Reason for intercropping?  MORE FERTILE FOR THE SOIL SUBSTITUTE IF EITHER CROP FAILS OTHER	7. What was the last completed production period for the [FRUIT]? (IF THERE IS NO PARTICULAR PRODUCTION PERIOD, USE THE LAST 12 MONTHS)				8. What was the total amount of [FRUIT] harvested in the past 12 months?  KG	9. Were there any losses of [FRUIT] before the harvest?		10. What was the cause of these losses?	
						YES 1	NO 2 ▶ Q7	OTHER 3		BEGIN YEAR	MONTH	END YEAR	MONTH		YES 1	NO ▶ NEXT 2	FRUIT	OTHER

**6B. PERMANENT CROPS**

**LOSSES**

P L O T	C R O P	1. PLEASE LIST ALL PLOTS CULTIVATED DURING THE LAST 12 MONTHS.  FOR EACH PLOT, LIST ALL PERMANENT CROPS CULTIVATED.  CROP NAME	2. How many of these plants/ trees are on this plot?  NUMBER	3. In what year were most of these plants/ trees planted?  YEAR [4 digit]	4. How many trees/ plants were planted during the last 12 months?  NUMBER	5. Was cultivation intercropped during the past long rainy season?			6. Reason for intercropping?  MORE FERTILE FOR THE SOIL SUBSTITUTE IF EITHER CROP FAILS OTHER	7. What was the last completed production period for the [CROP]? (IF THERE IS NO PARTICULAR PRODUCTION PERIOD, USE THE LAST 12 MONTHS)				8. What was the total amount of [CROP] harvested in the past 12 months?  KG	9. Were there any losses of [CROP] before the harvest?		10. What was the cause of these losses?	
						YES 1	NO 2 ▶ Q7	OTHER 3		BEGIN YEAR	MONTH	END YEAR	MONTH		YES 1	NO ▶ NEXT 2	CROP	OTHER

**7. PERMANENT CROPS BY CROP**

**7A. FRUIT TREES**

**LOSSES**

F R U I T	1. LIST ALL FRUIT TREES REPORTED IN SECTION 6A	2. Did you sell any of the [FRUIT] collected?	3. What was the total quantity sold of the quantity collected?	4. What was the total value of [FRUIT] sold?	5. Where did you sell most of the fruit?	6. Was any portion of the production lost post- harvest to rotting, insects, rodents, theft, etc?	7. What was the reason for this loss?	8. Out of 10 units of [FRUIT], how many were lost?	9. What was the value of this lost [FRUIT]?
	FRUIT NAME	Yes 1 No 2 ► Q6	KG	T-SHILLINGS	LIST UP TO TWO NETWORK ROSTER ID 1   2	YES 1 NO 2 ► Q10	ROTTING 1 INSECTS 2 RODENTS, PESTS 3 THEFT 4 OTHER 5	NUMBER (0-10)	T-SHILLINGS

1									
2									
3									
4									
5									

**7B. PERMANENT CROPS**

**LOSSES**

C R O P	1. LIST ALL PERMANENT CROPS REPORTED IN SECTION 6B	2. Did you sell any of the [CROP] collected?	3. What was the total quantity sold of the quantity collected?	4. What was the total value of this [CROP] sold?	5. Where did you sell most of the [CROP]?	6. Was any portion of this production lost post- harvest to rotting, insects, rodents, theft, etc?	7. What was the reason for this loss?	8. Out of 10 units of [CROP] how many were lost?	9. What was the value of this lost [CROP]?
	CROP NAME	Yes 1 No 2 ► Q6	KG	T-SHILLINGS	LIST UP TO TWO NETWORK ROSTER ID 1   2	YES 1 NO 2 ► Q10	ROTTING 1 INSECTS 2 RODENTS, PESTS 3 THEFT 4 OTHER 5	NUMBER (0-10)	T-SHILLINGS

1									
2									
3									
4									
5									

**STORAGE**

LIST ALL FRUIT TREES REPORTED IN SECTION 6A	10. Do you have any of this harvest in storage now?	11. How much of this harvest do you still have in storage?	12. What is your main method of storage?		13. Did you do anything to protect the stored crop?	14. What did you do?							
	YES 1		NO 2 ▶	LOCALLY MADE			SACKS/OPEN DRUM 4	TRADITIONAL STRUCTURE 1	AIRTIGHT DRUM 5	IMPROVED LOCALLY	UNPROTECTED	YES 1	NO 2 ▶
FRUIT NAME	NEXT FRUIT	KGs AMOUNT	MADE STRUCTURE 2	PILE 6	MODERN STORE 3	OTHER (SPECIFY) 7	NEXT FRUIT	OTHER 3	SMOKING 2				

**STORAGE**

LIST ALL PERMANENT CROPS REPORTED IN SECTION 6B	10. Do you have any of this harvest in storage now?	11. How much of this harvest do you still have in storage?	12. What is your main method of storage?		13. Did you do anything to protect the stored crop?	14. What did you do?							
	YES 1		NO 2 ▶	LOCALLY MADE			SACKS/OPEN DRUM 4	TRADITIONAL STRUCTURE 1	AIRTIGHT DRUM 5	IMPROVED LOCALLY	UNPROTECTED	YES 1	NO 2 ▶
CROP NAME	NEXT CROP	KGs AMOUNT	MADE STRUCTURE 2	PILE 6	MODERN STORE 3	OTHER 7	NEXT CROP	OTHER 3	SMOKING 2				

**8. OUTGROWER SCHEMES & CONTRACT FARMING**

1. Did you cultivate any crops, permanent crops or fruit trees as part of an outgrower scheme or contract farming system at any time over the last 12 months? (PROBE: LIST CROPS IF RECEIVED INPUTS OR AGREED PRICE IN ADVANCE WITH LARGE BUYER)

YES 1   
 NO 2 ► SECTION 9

**8A. LONG RAINY SEASON 2008**

2. What crops were grown as part of an outgrower scheme or contract farming system in the long rainy season 2008?  NONE ► SECTION 8B CROP	3. What farm/company did you work with in this scheme?  NETWORK ROSTER ID CODE	4. What did you agree in advance (before planting) with the buyer as part of this scheme? (LIST ALL THAT APPLY)		5. Did you sign a written contract with the buyer before planting?  YES 1 NO 2	6. Would you say that the buyer complied with the original agreement?  YES 1 ► Q8 NO 2	7. What were the main problems?		8. Would you say that YOU complied with the original agreement?  YES 1 ► NEXT CROP NO 2	9. How/why did you break the agreement? SOLD ELSEWHERE 1 PLANTED LESS 2 PRODUCED LESS 3 OTHER 4
		CROP SALE PRICE 1	QUALITY OF CROP 4			AMOUNT YOU PRODUCE 2	DATE OF HARVEST 5		
CODE		AREA YOU WOULD PLANT 3	OTHER: 6						

**8B. LAST COMPLETED SHORT RAINY SEASON**

2. What crops were grown as part of an outgrower scheme or contract farming system in the last completed short rainy season?  NONE ► SECTION 8C CROP	3. What farm/company did you work with in this scheme?  NETWORK ROSTER ID CODE	4. What did you agree in advance (before planting) with the buyer as part of this scheme? (LIST ALL THAT APPLY)		5. Did you sign a written contract with the buyer before planting?  YES 1 NO 2	6. Would you say that the buyer complied with the original agreement?  YES 1 ► Q8 NO 2	7. What were the main problems?		8. Would you say that YOU complied with the original agreement?  YES 1 ► NEXT CROP NO 2	9. How/why did you break the agreement? SOLD ELSEWHERE 1 PLANTED LESS 2 PRODUCED LESS 3 OTHER 4
		CROP SALE PRICE 1	QUALITY OF CROP 4			AMOUNT YOU PRODUCE 2	DATE OF HARVEST 5		
CODE		AREA YOU WOULD PLANT 3	OTHER: 6						

**8C. FRUIT TREES AND PERMANENT CROPS**

2. What fruit trees or permanent crops were grown as part of an outgrower scheme or contract farming system in the past 12 months?  NONE ► SECTION 9 CROP	3. What farm/company did you work with in this scheme?  NETWORK ROSTER ID CODE	4. What did you agree in advance (before planting) with the buyer as part of this scheme? (LIST ALL THAT APPLY)		5. Did you sign a written contract with the buyer before planting?  YES 1 NO 2	6. Would you say that the buyer complied with the original agreement?  YES 1 ► Q8 NO 2	7. What were the main problems?		8. Would you say that YOU complied with the original agreement?  YES 1 ► NEXT CROP NO 2	9. How/why did you break the agreement? SOLD ELSEWHERE 1 PLANTED LESS 2 PRODUCED LESS 3 OTHER 4
		CROP SALE PRICE 1	QUALITY OF CROP 4			AMOUNT YOU PRODUCE 2	DATE OF HARVEST 5		
CODE		AREA YOU WOULD PLANT 3	OTHER: 6						

**9. PROCESSED AGRICULTURAL PRODUCTS AND AGRICULTURAL BY-PRODUCTS**

1. Did the household process any of the products harvested on the farm in the last 12 months?

YES 1   
 NO 2 ► **SECTION 10A**

PLEASE LIST THE MAIN CROPS PROCESSED AND PROVIDE DETAILS:

2. Crop name	3. What is the by-product produced from this crop?	4. What is the quantity produced in the last 12 months?  KG=1, LITRE=2	5. Was any [BY-PRODUCT] sold?		6. How much was sold?		7. How much [CROP] did you use as input for the sold [BY-PRODUCT]?	8. What was total sales in shillings?	9. Where did you sell most of the [BY-PRODUCT] that you sold?		10. Did you incur any other expenses such as labor costs, additional inputs etc. in the production of [BY-PRODUCT]?	11. What were the total costs of these additional expenses?
			YES 1	NO 2 ► Q10	AMOUNT	UNIT			AMOUNT	UNIT		
NAME	CROP CODE	PROCESSED...1 BY-PRODUCT..2	SEE CODES BELOW	AMOUNT	UNIT	AMOUNT	UNIT	KG	T-SHILLINGS	1	2	T-SHILLINGS
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

**Q3.**

**CODE OF PRODUCTS**

FLOUR	1
SEED	2
PALM OIL	3
JUICE	4
THREAD	5
PULP	6
RUBBER	7
OTHER	8

**GERESHO ZA MABAKI**

MAIZE BRAN	9
WET HUSK (WHEAT, BARLEY)	10
RICE COVER	11
JUICE	12
THREAD	13
PULP	14
PALM OIL	15
OUTER COVER	16
NO WASTE	17
OTHER	18

**10A. LIVESTOCK**

YES 1   
 NO 2 ► NEXT SECTION

1. Did this household own any animals in the last 12 months?

CODE	2. Did this household own any [ANIMAL] in the last 12 months? YES 1 NO 2 ► NEXT	3. Number of [ANIMAL] owned on October 1 2008. NUMBER	4. How many [ANIMAL] does this household currently own?			5. In principal, who is responsible for keeping [ANIMAL]? INDICATE UP TO 2 PEOPLE IN HH		6. How many [ANIMAL] were born in the past 12 months? NUMBER	7. Have you sold any [ANIMAL] alive in the past 12 months? YES 1 NO 2 ► 11	8. How many [ANIMAL] have you sold alive in the past 12 months? NUMBER	9. What was the total value of sales? T-SHILLINGS	10. Where did you sell most [ANIMAL] that you sold? LIST UP TO TWO NETWORK ROSTER ID CODES		11. Did you slaughter any [ANIMAL] in the past 12 months? YES 1 NO 2 ► 15	12. How many [ANIMAL] did you slaughter in the past 12 months? NUMBER
			Indigenous	Improved Beef	Improved Dairy	1	2					1	2		
1	BULLS														
2	COWS						XXXXXXXXXXXXXXXX								
3	STEERS					XXXXXXXXXXXX									
4	HEIFERS						XXXXXXXXXXXXXXXX								
5	MALE CALVES														
6	FEMALE CALVES														
7	GOATS					XXXXXXXXXXXX									
8	SHEEP					XXXXXXXXXXXX XXXXXXXXXXXX									
9	PIGS					XXXXXXXXXXXXXXXX XXXXXXXXXXXX									
10	CHICKENS					XXXXXXXXXXXX XXXXXXXXXXXX									
11	TURKEYS					XXXXXXXXXXXX XXXXXXXXXXXX									
12	RABBITS					XXXXXXXXXXXX XXXXXXXXXXXX									
13	HORSES					XXXXXXXXXXXX XXXXXXXXXXXX									
14	DONKEYS					XXXXXXXXXXXX XXXXXXXXXXXX									
15	DOGS					XXXXXXXXXXXX XXXXXXXXXXXX									
16	OTHER _____					XXXXXXXXXXXX XXXXXXXXXXXX							XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	

**10A. LIVESTOCK**

CODE	13. How many of the [ANIMAL] slaughtered did you sell?  IF '0' ► Q15 NUMBER	14. What was the total value of the sold slaughtered [ANIMAL]?  T-SHILLINGS	15. Did you hire any labor to help you with the [ANIMAL] in the past 12 months?  YES 1 NO 2 ► 17	16. What was the total cost of this labor for [ANIMAL] in the past 12 months?  T-SHILLINGS	17. Did you purchase any fodder for your [ANIMAL] in the past 12 months?  YES 1 NO 2 ► 19	18. What was the total cost of this fodder for [ANIMAL] in the past 12 months?  T-SHILLINGS	19. Have you lost any [ANIMAL] to DISEASE in the past 12 months?  YES 1 NO 2 ► 22	20. How many [ANIMAL] have you lost to DISEASE in the past 12 months?  NUMBER	21. What was the value of these [ANIMAL]s lost to disease?  T-SHILLINGS	22. Have you lost any [ANIMAL] to THEFT in the past 12 months?  YES 1 NO 2 ► 25
------	---	--	--	---	---	--	---	--	--	---

1	BULLS									
2	COWS									
3	STEERS									
4	HEIFERS									
5	MALE CALVES									
6	FEMALE CALVES									
7	GOATS									
8	SHEEP									
9	PIGS									
10	CHICKENS									
11	TURKEYS									
12	RABBITS									
13	HORSES									
14	DONKEYS									
15	DOGS									
16	OTHER _____	xxxxxxxxxxxxxxxxxxxxxxxx	xxxxxxxxxxxxxxxxxxxxxxxx							

**10A. LIVESTOCK**

CODE	23. How many [ANIMAL] have you lost to THEFT in the past 12 months?  NUMBER	24. What was the value of these [ANIMAL]s lost to THEFT?  T-SHILLINGS	25. What kind of diseases did [ANIMAL] suffer in the past 12 months? REFER TO CODES GIVEN				26. Are your [ANIMAL] vaccinated?  YES, ALL YES, SOME NO ► NEXT ROW	27. Where did you vaccinate [ANIMAL]?  PRIVATE VET CLINIC 1 DISTRICT VET CLINIC 2 NGO/PROJECT 3 OTHER 4	28. Against which diseases did you vaccinate your [ANIMAL]?  #1   #2   #3   #4			
			#1	#2	#3	#4			#1	#2	#3	#4

1	BULLS													
2	COWS													
3	STEERS													
4	HEIFERS													
5	MALE CALVES													
6	FEMALE CALVES													
7	GOATS													
8	SHEEP													
9	PIGS													
10	CHICKENS													
11	TURKEYS													
12	RABBITS													
13	HORSES													
14	DONKEYS													
15	DOGS													
16	OTHER _____													

**Q25. DISEASES**

Brucellosis  
(Ugonjwa wa Kutupa Mimba).....1  
 CBPP (Homa ya Mapafu).....2  
 Lumpy Skin Disease (Mapelengozi)....3  
 CCPP (Homa ya Mapafu kwa mbuzi)....4  
 ECF (Ndigana Kali).....5  
 Rabies (Kichaa cha Mbwa).....6  
 FMD (Ugonwa wa Miguu na Midomo)....7  
 Anthrax (Kimeta).....8  
 BQ (Chambavu).....9  
 New castle Disease (Kideli/Mdondo).10  
 Small Pox (Ndui).....11  
 Gomboro (Gumboro).....12  
 Helminthiosis.....13  
 ASF (Homa ya Nguruwe).....14  
 Tick Borne Disease.....15  
 Typanosomiasis.....16  
 Foot Rot.....17  
 CCPP.....18  
 Tetanus.....19  
 Mange.....20  
 Anaemia.....21  
 Not sick.....22

**Q28. DISEASES**

Brucellosis  
(Ugonjwa wa Kutupa Mimba).....1  
 CBPP (Homa ya Mapafu).....2  
 Lumpy Skin Disease (Mapelengozi)....3  
 CCPP (Homa ya Mapafu kwa mbuzi)....4  
 ECF (Ndigana Kali).....5  
 Rabies (Kichaa cha Mbwa).....6  
 FMD (Ugonwa wa Miguu na Midomo)....7  
 Anthrax (Kimeta).....8  
 BQ (Chambavu).....9  
 New castle Disease (Kideli/Mdondo).10  
 Small Pox (Ndui).....11  
 Gomboro (Gumboro).....12  
 Not vaccinated.....13

**10B. LIVESTOCK BY-PRODUCTS**

CODE	PRODUCT	1. Did your household produce any [PRODUCT] in the last 12 months? Any other by-products from keeping livestock?		2. During the last 12 months, for how many months did your household produce any [PRODUCT]?		3. During these months, what was the average quantity of [PRODUCT] produced per month?		4. Did you sell any of the [PRODUCT] that you produced in the last 12 months?		5. How much of the [PRODUCT] produced in the last 12 months?		6. What was the total value of sales of [PRODUCT] in the last 12 months?		7. Where did you sell most [PRODUCT] that you sold?	
		YES 1	NO 2 ► NEXT	NUMBER		LITRES 1	KGs 2	PIECES 3	YES 1	NO 2 ► NEXT	LITRES 1	KG 2	PIECES 3	T-SHILLINGS	LIST UP TO TWO NETWORK ROSTER ID CODE 1 2
QUANTITY	UNIT	QUANTITY	UNIT	QUANTITY	UNIT	QUANTITY	UNIT	QUANTITY	UNIT	QUANTITY	UNIT	QUANTITY	UNIT	QUANTITY	UNIT

1	COW MILK (TRADITIONAL)														
2	COW MILK (IMPROVED)														
3	CHICKEN EGGS (TRADITIONAL)														
4	CHICKEN EGGS (IMPROVED)														
5	HONEY														
6	SKINS AND HIDES														
7	OTHER _____														
8	OTHER _____														
9	OTHER _____														

**11. FARM IMPLEMENTS AND MACHINERY**

IF HOUSEHOLDS CULTIVATES NO PLOTS, ► SECTION 12.

PLEASE GIVE DETAILS OF FARM IMPLEMENTS USED OR OWNED BY THE HOUSEHOLD IN THE PAST 12 MONTHS

ITEM	1. How many [ITEM] does the household own?  IF '0' ► Q3	2. What is the value of the [ITEM] if sold?	3. Did the household own [ITEM] during the last agricultural season?	4. Did you use [ITEM] in the last agricultural season?	5. What was the reason for not using [ITEM]?	6. Did your household rent or borrow any [ITEM] for use in the last agricultural season?	7. How many [ITEM] did the household rent or borrow in the last agricultural season?	8. Where did your household rent or borrow [ITEM] from last agricultural season?	9. How much did your household pay to rent or borrow [ITEM] last agricultural season?
	NUMBER	SHILLINGS	YES 1 NO 2 ► Q6	YES 1 ► Q6 NO 2	No need for one 1 Needs repair/sick 2 Lent to others 3 Rented to others 4 Other 5	YES 1 NO 2 ► NEXT	NUMBER	NETWORK ROSTER ID CODE	T-SHILLINGS
1	HAND HOE								
2	HAND-POWERED SPRAYER								
3	OXEN								
4	OX PLOUGH								
5	OX SEED PLANTER								
6	OX CART								
7	TRACTOR								
8	TRACTOR PLOUGH								
9	TRACTOR/HARROW								
10	SHELLER THRESHER								
11	WATERING CAN								
12	FARM BUILDINGS/ STORAGE FACILITIES								
13	GERI CANS/DRUMS								

**12. FISHERY AND AQUACULTURE**

1. Did anyone in this household do any fishing or operate a fish farm in the last 12 months?

1 YES

**OWNERSHIP OF FISHING EQUIPMENT**

2 NO ► NEXT SECTION

	ITEM	2. In the past 12 months, did you own part or all of any of the following fishing equipment?	3. If you wanted to sell your [ITEM] (or your share of it) how much could you get for IT/them?	4. Did you sell any of [ITEM] (or your share of it) in the last 12 months?	5. How much did you receive for the sale of the(se) [ITEM] or your share of it/them?	6. Did you purchase any [ITEM] (or a share of it/them) in the past 12 months?	7. How much did it cost you for the purchase of [ITEM]?	8. Did you have any expenses of the repair of this [ITEM] in the past 12 months?	9. How much did you spend on the repair of [ITEM] in the past 12 months?
		YES 1 NO 2 ► NEXT	T-SHILLINGS	YES 1 NO 2 ► Q6	T-SHILLINGS	YES 1 NO 2 ► Q8	T-SHILLINGS	YES 1 NO 2 ► NEXT	T-SHILLINGS
1	BOATS								
2	MOTORS								
3	TRAWLING NETS / STATIONARY NETS								
4	SMOKER OR DRIER								
5	FISHING LINES AND HOOKS								
6	PADDLES								
7	PRESSURE LAMPS								
8	OTHER _____								

**METHODS: INCOME AND LOCATION**

		10. In the past 12 months (since ...) did your household do any [...] fishing?  [INCLUDE USE BY OTHER HOUSEHOLD MEMBERS OR EMPLOYEES]	11. In how many of the last 12 months did your household engage in [METHOD]?	12. During those months, how many days per week did your household fish using [METHOD] on average?	13. What was the average quantity of your <b>daily</b> catch using [METHOD] during those months?	14. How much, if any, of the daily catch using [METHOD] did you sell, either as fresh fish or as smoked or dried fish.  IF NONE, PUT "0" ► NEXT METHOD	15. How much did you and other household members receive <b>per day</b> for the sale of fresh fish on the days that you used [METHOD] before subtracting expenses?
		YES 1 NO 2 ► NEXT	NO. OF MONTHS	DAYS PER WEEK	KGs	KGs	T-SHILLINGS
1	HOOK FISHING						
2	TRAWLING NET FISHING						
3	STATIONARY NET FISHING						
4	"UZIO" FISHING METHOD						
5	OVERNIGHT FISH TRAPPING						

	16. Where does your household undertake this fishing?  RIVER/STREAM 1 ► Q20 NATURAL LAKE 2 ► Q20 SEA 3 ► Q20 DUG OUT POND 4 WATER RESERVOIR 5 OTHER 6	17. Who owns the location?  HOUSEHOLD 1 GOVERNMENT 2 OTHER 3	18. What is the source of fingerling?  OWN POND 1 NEIGHBOUR 4 GOVERNMENT 2 PRIVATE TRADE 5 NGO PROJECT 3 OTHER 6	19. How many times per year is the location stocked?  NUMBER PER YEAR	20. Who does your household mainly sell the fish from this locaiton to?  ENTER '98' IF DOES NOT SELL  LIST UP TO TWO NETWORK ROSTER ID CODE  1   2
<b>Location 1</b>					
<b>Location 2</b>					

### FISH BY-PRODUCTS

21. In addition to selling fresh fish, did you, or any members of your household, smoke or dry for sale any fish caught by any method in the past 12 months?  YES 1 NO 2 ► Q23	22. In the last 12 months, how many KGs of fish were smoked/dried and sold?  KGs	23. In the past 12 months, how much did you earn per month from selling fish before deductions of running costs?  T-SHILLINGS
--	---	--

### INPUT EXPENDITURES

ITEM	NUMBER	T-SHILLINGS	DAYS
1 LABOR ON SHORE			
2 LABOR IN BOAT			
3 SMOKING OR DRYING			XXXXXXXXXX
4 AUCTION FEES			XXXXXXXXXX
5 TAXES			XXXXXXXXXX
6 FEES (eg MARKET FEES)			XXXXXXXXXX
7 WICKS			XXXXXXXXXX
8 RENT FOR STORAGE			XXXXXXXXXX
9 TRANSPORTATION			XXXXXXXXXX

ITEM	NO. OF MOS	T-SHILLINGS
10 PETROL AND DIESEL FUEL		
11 KEROSENE		
12 BAIT		
13 LICENSES		
14 BUOYS		
15 THREAD FOR SEWING NET		
16 BEESWAX		
17 OTHER		

**13. EXTENSION**

SOURCE	1. Did you receive advice for your agricultural/livestock activities from any of the following sources in the past 12 months? YES 1 NO 2 ► NEXT ROW	2. Did you receive any advice from [SOURCE] about...? YES 1 NO 2						3. How would you rate the advice received? GOOD 1 AVERAGE 2 BAD 3	4. Did you pay anything in order to receive the advice? YES 1 NO ► Q6 2	5. How much did you pay? T-SHILLINGS	6. How many times did someone from [SOURCE] visit your farm in the past 12 months? [PUT 0 IF NEVER]
	A. Agricultural production	B. Agro-processing	C. Marketing	D. Fishing Production	E. Livestock Production	F. Prevention of Livestock diseases					

1	GOVERNMENT EXTENSION									
2	NGO									
3	COOPERATIVE/FARMER'S ASSOCIATION									
4	LARGE SCALE FARMER									
5	OTHER									

SOURCE	7. In the past 12 months did anyone in your household receive any information about agricultural prices from [SOURCE]? YES 1 NO 2 ► NEXT ROW	8. Did you pay anything in order to receive the advice? YES 1 NO 2 ► NEXT ROW	9. How much did you pay? T-SHILLINGS
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1	GOVERNMENT EXTENSION		
2	NGO		
3	COOPERATIVE/FARMER'S ASSOCIATION		
4	LARGE SCALE FARMER		
5	RADIO	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
6	PUBLICATION		
7	NEIGHBOUR		
8	OTHER		

10. Have you received a government voucher to purchase any inputs in the last 12 months? YES 1 NO 2 ► END	11. What type of voucher did you receive? LIST ALL THAT APPLY FERTILIZER - DAP 1 OTHER FERTILIZER 2 MAIZE SEEDS 3 OTHER SEEDS 4	12. When did you receive the voucher? DAY MONTH
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13. Have you redeemed the voucher? YES 1 NO 2 ► END	14. Where did you redeemed the voucher? NETWORK ROSTER CODE	15. How much did you pay in cash for the inputs covered by the voucher? T-SHILLINGS
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TIME OF END OF INTERVIEW (SWAHILI TIME)

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**NETWORK ROSTER CARD**

ID	1. NAME	2. CODE	3. LOCATION
N1			
N2			
N3			
N4			
N5			
N6			
N7			
N8			
N9			
N10			
N11			
N12			
N13			
N14			
N15			

Q3 CODES	
WITHIN THE VILLAGE	1
NEAR THE VILLAGE	2
NEAR THE TOWN	3
OTHER DISTRICT	4
OTHER REGION	5
ACROSS THE BORDER	6

Q2 CODES			
RELATIVE	1	FACTORY	11
NEIGHBOR	2	EMPLOYER	12
MARKET	3	RELIGIOUS INSTI.	13
OPEN MARKET	4	BANK (COMMERICAL)	14
COOPERATIVE UNION	5	GROCERY/LOCAL MERCHANT	15
FARMERS PARTY	6	MONEY LENDER	16
MAIN PLOT/FARM	7	NGO	17
PRIVATE BUSINESS PERSON	8	DISTRIBUTION OFFICIER	18
MAIN MARKET	9	MARKET	19
BUSINESS CONTACT	10	OTHER _____	20

Permanent Crops:	
Code Crop	Ground area/plant
70	Passion Fruit
71	Banana
72	Avocado
73	Mango
74	Papaw
76	Orange
77	Grapefruit
78	Grapes
79	Mandarin
80	Guava
81	Plums
82	Apples
83	Pears
84	Peaches
85	Lime/lemon
68	Pomelo
69	Jack fruit
97	Durian
98	Bilimbi
99	Rambutan
67	Bread fruit
38	Malay apple
39	Star fruit

Permanent (Cash crops)	
Code Crop	Ground area/plant
53	Sisal
54	Coffee
55	Tea
56	Cocoa
57	Rubber
58	Wattle
59	Kapok
60	Sugar Cane
61	Cardamom
63	Tamarin
64	Cinamon
65	Nutmeg
66	Clove
18	Black Pepper
34	Pigeon pea
21	Cassava
75	Pineapple
44	Palm Oil
45	Coconut
46	Cashewnut
<b>998 OTHER</b>	

Crop Codes (Cereals /tubers/roots):	
Code Crop	
11	Maize
12	Paddy
13	Sorghum
14	Bulrush Millet
15	Finger Millet
16	Wheat
17	Barley
22	Sweet Potatos
23	Irish potatoes
24	Yams
25	Cocoyams
26	Onions
27	Ginger

Crop Codes Legumes Oil & fruit:	
Code Crop	
31	Beans
32	Cowpeas
33	Green gram
35	Chick peas
36	Bambara nuts
37	Field peas
41	Sunflower
42	Simsim
43	Groundnut
47	Soyabeans
48	Caster seed

Cash Crop Codes:	
Code Crop	
50	Cotton
51	Tobacco
53	Pyrethrum
62	Jute
19	Seaweed

Vegetable Codes:	
Code Crop	
86	Cabbage
87	Tomatoes
88	Spinach
89	Carrot
90	Chillies
91	Amaranths
92	Pumpkins
93	Cucumber
94	Egg Plant
95	Water Mellon
96	Cauliflower
100	Okra
101	Fiwi