



United Republic of Tanzania  
National Bureau of Statistics

# CONFIDENTIAL

## NATIONAL PANEL SURVEY (NPS 2012-2013)

*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"/> <input type="text"/>	.....
2. DISTRICT	<input type="text"/>	.....
3. WARD	<input type="text"/> <input type="text"/> <input type="text"/>	.....
4. VILLAGE/ENUMERATION AREA	<input type="text"/> <input type="text"/> <input type="text"/>	.....
5. KITONGOJI OR MTAA NAME		.....
6. HOUSEHOLD ID (FROM LIST) :	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	.....
7. NAME OF HOUSEHOLD HEAD:		.....
8. NAME OF HOUSEHOLD HEAD FROM NPS YEAR 2:		.....
9. FULL HOUSEHOLD IDENTIFICATION FROM NPS YEAR 2:		<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

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

10. NAME OF INTERVIEWER	.....				
11. INTERVIEWER ID	<table border="1"><tr><td></td><td></td><td></td></tr></table>				
12. START TIME (SWAHILI)	<table border="1"><tr><td></td><td>:</td><td></td></tr></table>		:		
	:				
13. DATE OF INTERVIEW	<table border="1"><tr><td>/</td><td>/</td><td></td></tr></table> DD MM YYYY	/	/		(ENUMERATOR: ► <b>NEXT PAGE</b> )
/	/				
14. NAME OF SUPERVISOR	.....				
15. SUPERVISOR ID	<table border="1"><tr><td></td><td></td><td></td></tr></table>				
16. DATE OF QUESTIONNAIRE INSPECTION	<table border="1"><tr><td>/</td><td>/</td><td></td></tr></table> DD MM YYYY	/	/		
/	/				
17. NAME OF DATA ENTRY CLERK	.....				
18. DATA ENTRY CLERK ID	<table border="1"><tr><td></td><td></td><td></td></tr></table>				
19. DATE OF DATA ENTRY	<table border="1"><tr><td>/</td><td>/</td><td></td></tr></table> DD MM YYYY	/	/		
/	/				
20. 2ND DATA ENTRY CLERK ID	<table border="1"><tr><td></td><td></td><td></td></tr></table>				
21. DATE OF 2ND DATA ENTRY	<table border="1"><tr><td>/</td><td>/</td><td></td></tr></table> DD MM YYYY	/	/		
/	/				

<p align="center"><b>OBSERVATIONS ON THE INTERVIEW</b></p> <p align="center"><b>RECORD GENERAL NOTES ABOUT THE INTERVIEW AND RECORD ANY SPECIAL INFORMATION THAT WILL BE HELPFUL FOR SUPERVISORS AND THE ANALYSIS OF THIS QUESTIONNAIRE.</b></p>
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## 1. HOUSEHOLD MEMBER ROSTER

PLEASE COPY THE FOLLOWING INFORMATION FROM THE HOUSEHOLD QUESTIONNAIRE

ID	1. NAME	2. AGE  YEARS	3. SEX  MALE . . . 1 FEMALE . 2	4. MARK WITH 'X' THE RESPONDENT OR RESPONDENTS TO THIS QUESTIONNAIRE
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 2012?

YES.....1

NO.....2 ▶ 11

A.	PLEASE LIST ALL PLOTS ANYONE IN YOUR HOUSEHOLD OWNED OR CULTIVATED DURING THE 2012 LONG RAINY SEASON.						7. PLOT MEAS- URED?	8. WHY WAS THE PLOT NOT MEASURED? <div>▶ NEXT PLOT</div>	9. AREA (ACRES) GPS MEASUREMENT	10. WEATHER CONDITIONS AT MEASUR-EMENT  USE CODES
	2. PLOT NAME	3. DESCRIPTION/LOCATION	4. AREA (ACRES) FARMER'S ESTIMATE	5. PLOT NO. IN 2010/ 2011 NPS.	6. GPS LOCATION (RECORD GPS LOCATION FROM THE CORNER WHERE YOU BEGAN THE MEASUREMENT.)					
M1						°	'S			
						°				
M2						°	'S			
						°				
M3						°	'S			
						°				
M4						°	'S			
						°				
M5						°	'S			
						°				
M6						°	'S			
						°				
M6						°	'S			
						°				

11. What year was the last completed short rainy season?

Short rainy season 2011..1

Short rainy season 2012..2

12. 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 Q11)?

YES..1

NO...2 ▶ 22

CODES FOR Q10 & Q21

Clear/ Sunny.....1

Mostly Clear / Mostly Sunny.....2

Partly Cloudy / Partly Sunny.....3

Mostly Cloudy / Considerable Cloudiness..4

Completely Cloudy.....5

Rainy.....6

B.		PLEASE LIST ANY ADDITIONAL PLOTS OWNED OR CULTIVATED BY ANYONE IN THE HOUSEHOLD DURING THE SHORT RAINY SEASON [YEAR] (USE YEAR FROM Q11).																		
	13. PLOT NAME	14. DESCRIPTION/LOCATION	15. AREA (ACRES) FARMER'S ESTIMATE				16. PLOT NUMBER IN 2010/2011 NPS.	17. GPS LOCATION (RECORD GPS LOCATION FROM THE CORNER WHERE YOU BEGAN THE MEASUREMENT.)						18. PLOT MEAS- URED?	19. WHY WAS THE PLOT NOT MEASURED?	20. AREA (ACRES) GPS MEASUREMENT				21. WEATHER CONDITIONS AT MEASURE- MENT
														YES...1 ▶20 NO...2	TOO FAR...1 REFUSED...2 OTHER, SPECIFY...3					USE CODES
V1																				
V2																				
V3																				
V4																				

22.

NORTH

↑

WEST

HOUSE

EAST

SOUTH

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

### 3. PLOT DETAILS

#### 3A. LONG RAINY SEASON

D E L I N E	P L O T  I D	1. LIST ALL PLOTS OWNED OR CULTIVATED BY THE HOUSEHOLD IN MASIKA 2012.  REFER TO SECTION 2A.	2. What is the distance from [PLOT] to:	3. How did you use this plot during the long rainy season 2012?	4. What was the total income from renting out this plot during the long rainy season 2012?	5. Was any of this income collected in kind?	6. What percentage was collected in kind?	7. What was the main crop cultivated on this plot in the long rainy season 2012?	8. Who decided what to plant on this plot in the long rainy season 2012?
		HOME KM	ROAD KM	MARKET KM	CULTIVATED..1 ▶7 RENTED OUT..2 GIVEN OUT..3 ▶10 FALLOW.....4 ▶23 FOREST.....5 ▶24 OTHER, SPECIFY..6 ▶22	T-SHILLINGS	YES...1 NO....2 ▶10	▶10	CROP NAME   CODE
1									
2									
3									
4									
5									
6									

PLEASE INDICATE THE LAST COMPLETED SHORT RAINY SEASON: 2011 |\_\_| 2012 |\_\_|

#### 3B. SHORT RAINY SEASON

D E L I N E		1a. LIST ALL PLOTS OWNED OR CULTIVATED BY THE HOUSEHOLD IN MASIKA 2012 OR THE LAST COMPLETED VULI SEASON.  REFER TO SECTIONS 2A AND 2B	1b. ENUMERATOR: DID YOU ALREADY LIST THIS PLOT ABOVE IN 3A?	2. What is the distance from [PLOT] to:	3. How did you use this plot during the last completed short rainy season?	4. What was the total income from renting out this plot during the last completed short rainy season?	5. Was any of this income collected in kind?	6. What percentage was collected in kind?	7. What was the main crop cultivated on this plot in the last completed short rainy season?	8. Who decided what to plant on this plot in the last completed short rainy season?
		YES...1 ▶40 NO....2	HOME KM	ROAD KM	MARKET KM	▶!	T-SHILLINGS	▶!	▶!	CROP NAME   CODE
1										
2										
3										
4										
5										
6										

D E L I N E	P L O T  I D	9. Who made the decisions about input use on this plot in the long rainy season 2012?				10. What was the soil type of this plot?	11. What was the soil quality of this plot?	12. How do you know the quality of the soil?	13. Were there any problems with erosion on this plot in the long rainy season 2012?	14. What was the cause of these erosion problems?	15. Was there any erosion control/water harvesting facility on this plot in the long rainy season 2012?	16. What type of erosion control/water harvesting facility was on this plot?	17. How steep is the slope of this plot?
		<b>RECORD UP TO 3 ID CODES FROM HH ROSTER AND INDICATE UP TO 1 NON-HOUSEHOLD MEMBER FROM NETWORK ROSTER</b>				SANDY.....1 LOAM.....2 CLAY.....3 OTHER, SPECIFY...4	GOOD....1 AVERAGE.2 BAD.....3	SCIENTIFICALLY TESTED.....1 OWN EXPERIENCE..2 OTHER, SPECIFY.....3	YES...1 NO...2 ▶15	WIND.....1 RAIN.....2 ANIMALS.....3 CULTIVATION WHICH DOES NOT COMPLY WITH SOIL CONSERVATION...4 OTHER, SPECIFY..5	YES...1 NO....2 ▶17	TERRACES.....1 EROSION CONTROL BUNDS..2 GABIONS / SANDBAGS....3 VETIVER GRASS.....4 TREE BELTS.....5 WATER HARVEST BUNDS....6 DRAINAGE DITCHES.....7 DAM.....8  <b>LIST MAIN TWO</b> 1st                      2nd	FLAT BOTTOM..1 FLAT TOP.....2 SLIGHTLY SLOPED.....3 VERY STEEP...4
		ID #1	ID #2	ID #3	NETWORK ROSTER ID								
1													
2													
3													
4													
5													
6													

D E L I N E		9. Who made the decisions about input use on this plot in the last completed short rainy season?				10. What was the soil type of this plot?	11. What was the soil quality of this plot in the last completed short rainy season?	12. How do you know the quality of the soil?	13. Were there any problems with erosion on this plot?	14. What was the cause of these erosion problems?	15. Was there any erosion control/water harvesting facility on this plot in the last completed short rainy season?	16. What type of erosion control/water harvesting facility was on this plot?	17. How steep is the slope of this plot?
		ID #1	ID #2	ID #3	NETWORK ROSTER ID				▶!		▶!	1st	2nd
1													
2													
3													
4													
5													
6													

D E L I N E	P L O T  I D	18. Was this plot irrigated in the long rainy season 2012?	19. What was the type of irrigation?	20. What was the method of obtaining water?	21. What was the source of water?	22. What was the most recent year in which the plot was left fallow?	23. For how many consecutive years was this plot left fallow this last time?	24. What would the value of this plot be if it were sold today?	25. What was the ownership status of this plot in the long rainy season 2012?	26. With whom do you co-own this plot?	27. What share does your household get of the output?
		YES...1 NO....2 ▶22	FLOODING.....1 SPRINKLER.....2 DRIP IRRIGATION...3 BUCKET / WATERING CAN.4 WATER HOSE.....5 OTHER, SPECIFY.....6	GRAVITY....1 HAND BUCKET...2 HAND/FOOT PUMP.....3 MOTOR PUMP.....4 OTHER, SPECIFY...5	WELL.....1 BOREHOLE....2 POND/TANK ..3 RIVER / STREAM....4 OTHER, SPECIFY...5	IF NEVER, ENTER 0 ▶ 24 IF DON'T KNOW, ENTER "98" ▶ 24 YEAR [4 digit]	NUMBER	T-SHILLINGS	OWNED.....1 ▶28 USED FREE OF CHARGE.2 ▶36 RENTED IN.....3 ▶33 SHARED - RENT.....4 ▶32 SHARED - OWN.....5	NETWORK ROSTER ID	NOTHING.....1 ALMOST NOTHING.2 ONE QUARTER....3 HALF.....4 THREE QUARTERS.5 ALMOST ALL.....6
1											
2											
3											
4											
5											
6											

D E L I N E		18. Was this plot irrigated in the last completed short rainy season?	19. What was the type of irrigation?	20. What was the method of obtaining water?	21. What was the source of water?	22. What was the most recent year in which the plot was left fallow?	23. For how many consecutive years was this plot left fallow this last time?	24. What would the value of this plot be if it were sold today?	25. What was the ownership status of this plot the last completed short rainy season?	26. With whom do you co-own this plot?	27. What share does your household get of the output?
		▶!				▶!			▶!	NETWORK ROSTER ID	
1											
2											
3											
4											
5											
6											



D E L I N E	P L O T  I D	28. What type of title did your household have for this plot?	29. Who in the household owns this plot?	30. Does the owner/household have the right to sell this plot or use it as collateral?	31. Who in the household can decide whether to sell this plot or use it as collateral?	32. With whom do you co-rent this plot?	33. How much did you pay to the owner for the use of this land in the long rainy season 2012?	34. What period of time did this payment cover?	35. What share of output from this plot did you give as rent, if any, in the long rainy season 2012?	36. Who owns the 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 NO TITLE.....11	LIST UP TO 2 JOINT OWNERS ID #1   ID #2	YES...1 NO...2 ►38	LIST UP TO 2 ID #1   ID #2 ►38	NETWORK ROSTER ID	INCLUDE: IN-KIND PAYMENTS, PAYMENT BY CROP OUTPUT, FUTURE / PLANNED PAYMENTS, PAST PAYMENTS FOR THE LONG RAINY SEASON 2012 IF NO PAYMENT IS TO BE MADE, WRITE "0" ►35 T-SHILLINGS	MONTHS... 1 YEARS.... 2 NO. UNITS   UNIT	NONE.....1 ALMOST NONE..2 ABOUT 25%...3 ABOUT 50%...4 ABOUT 75%...5 ALMOST ALL...6	NETWORK ROSTER ID
1										
2										
3										
4										
5										
6										

D E L I N E		28. What type of title did your household have for this plot?	29. Who in the household owns 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. Who in the household can decide whether to sell this plot or use it as collateral?	32. With whom do you co-rent this plot?	33. How much did you pay to the owner for the use of this land in the last completed short rainy season?	34. What period of time did this payment cover?	35. What share of output from this plot did you give as rent, if any, in the last completed short rainy season 2012?	36. Who owns the plot?
			LIST UP TO 2 JOINT OWNERS ID #1   ID #2	►!	ID #1   ID #2 ►!	NETWORK ROSTER ID	T-SHILLINGS ►!	NO. UNITS   UNIT	NETWORK ROSTER ID	
1										
2										
3										
4										
5										
6										

ORGANIC FERTILIZER												
D E L I N E	P L O T  I D	37. Who in the household has use right to this plot?	38. In which year was the plot acquired?	39. Would you feel comfortable leaving this plot uncultivated for several months without being worried of losing it?	40. DID THE HOUSEHOLD CULTIVATE THIS PLOT IN THE LONG RAINY SEASON 2012?	41. Did you use any ORGANIC FERTILIZER on [PLOT] in the long rainy season 2012?	42. What was the quantity of organic fertilizer used?	43. Was any of this purchased?	44. How much was purchased?	45. What was the total value of organic fertilizer purchased?	46. Where did you buy most of the organic fertilizer?	
		LIST UP TO 2			YES...1 NO....2	YES...1 NO....2 ▶75	YES...1 NO....2 ▶47					LIST UP TO TWO NETWORK ROSTER ID 1 2
ID #1	ID #2	YEAR [4 digit]				KGs		KG	T-SHILLINGS			
1												
2												
3												
4												
5												
6												

ORGANIC FERTILIZER												
D E L I N E	P L O T  I D	37. Who in the household has use right to this plot?	38. In which year was the plot acquired?	39. Would you feel comfortable leaving this plot uncultivated for several months without being worried of losing it?	40. DID THE HOUSEHOLD CULTIVATE THIS PLOT IN THE LAST SHORT RAINY SEASON?	41. Did you use any ORGANIC FERTILIZER on [PLOT] in the last completed short rainy season?	42. What was the quantity of organic fertilizer used?	43. Was any of this purchased?	44. How much was purchased?	45. What was the total value of organic fertilizer purchased?	46. Where did you buy most of the organic fertilizer?	
		LIST UP TO 2			▶!	▶!	KG	▶!	KG	T-SHILLINGS	LIST UP TO TWO NETWORK ROSTER ID 1 2	
ID #1	ID #2	YEAR [4 digit]										
1												
2												
3												
4												
5												
6												

INORGANIC FERTILIZER								INORGANIC FERTILIZER				
D E L I N E	P L O T  I D	47. Did you use any INORGANIC FERTILIZER on [PLOT] in the long rainy season 2012?	48. What is the <b>first</b> type of INORGANIC FERTILIZER you used on this plot?	49. What quantity of [FERTILIZER] did you use?	50. Did you receive a voucher/ certificate for any of this [FERTILIZER]?	51. What was the total value of [FERTILIZER] purchased?	52. Why did you choose to use this specific type of inorganic fertilizer?	53. Where did you buy most of the [FERTILIZER]?	54. Did you use a <b>second</b> type of INORGANIC FERTILIZER on [PLOT] in the long rainy season 2012?	55. What is the <b>second</b> type of INORGANIC FERTILIZER you used on this plot?	56. What quantity of [FERTILIZER] did you use?	
				YES...1 NO....2 ▶60	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 Minjingu Rock Phosphate (MRP)...7	KG	YES...1 NO....2	T-SHILLINGS	ADVICE BY AGRICULTURAL OFFICER.....1 RECEIVED VOUCHER.....2 OWN EXPERIENCE....3 NEIGHBOUR ADVICE.....4 OTHER, SPECIFY.....5	LIST UP TO TWO NETWORK ROSTER ID 1 2	YES...1 NO....2 ▶60	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 Minjingu Rock Phosphate (MRP)...7

1											
2											
3											
4											
5											
6											

INORGANIC FERTILIZER								INORGANIC FERTILIZER				
D E L I N E		47. Did you use any INORGANIC FERTILIZER on [PLOT] in the short rainy season 2012?	48. What is the <b>first</b> type of INORGANIC FERTILIZER you used on this plot?	49. What quantity of [FERTILIZER] did you use?	50. Did you receive a voucher/ certificate for any of this [FERTILIZER]?	51. What was the total value of [FERTILIZER] purchased?	52. Why did you choose to use this specific type of inorganic fertilizer?	53. Where did you buy most of the [FERTILIZER]?	54. Did you use a <b>second</b> type of INORGANIC FERTILIZER on [PLOT] in the short rainy season 2012?	55. What is the <b>second</b> type of INORGANIC FERTILIZER you used on this plot?	56. What quantity of [FERTILIZER] did you use?	
				▶!		KG	▶!	T-SHILLINGS		LIST UP TO TWO NETWORK ROSTER ID 1 2	▶!	

1											
2											
3											
4											
5											
6											

					PESTICIDES/HERBICIDES									
D E L I N E	P L O T  I D	57. Did you receive a voucher/ certificate for any of this [FERTILIZER]?	58. What was the total value of [FERTILIZER] purchased?	59. Where did you buy most of the [FERTILIZER]?	60. Did you use any pesticide/ herbicide on [PLOT] in the long rainy season 2012?	61. What was the <b>main</b> type of pesticide/herbicide that you applied?	62. What quantity of this pesticide/ herbicide did you use?	63. What was the total value of this pesticide/ herbicide purchased?	64. Why did you choose to use this specific type of pesticide/ herbicide?	65. Where did you buy most of the pesticides/ herbicides?				
		YES...1 NO....2	T-SHILLINGS	LIST UP TO TWO NETWORK ROSTER ID 1      2	YES...1 NO...2 ▶66	PESTICIDE.....1 HERBICIDE.....2 FUNGICIDE.....3 OTHER, SPECIFY.....4	KG.....1 LITRE.....2 MILLILITRE..3 OTHER, SPECIFY...4	AMOUNT      UNIT	T-SHILLINGS	ADVICE BY AGRICULTURAL OFFICER.....1 RECEIVED VOUCHER.....2 OWN EXPERIENCE.....3 NEIGHBOUR ADVICE.....4 OTHER, SPECIFY.....5	LIST UP TO TWO NETWORK ROSTER ID 1      2			
1														
2														
3														
4														
5														
6														

					PESTICIDES/HERBICIDES									
D E L I N E		57. Did you receive a voucher/ certificate for any of this [FERTILIZER]?	58. What was the total value of [FERTILIZER] purchased?	59. Where did you buy most of the [FERTILIZER]?	60. Did you use any pesticide/ herbicide on [PLOT] in the last completed short rainy season?	61. What was the main type of pesticide/herbicide that you applied?	62. What quantity of this pesticide/ herbicide did you use?	63. What was the total value of this pesticide/ herbicide purchased?	64. Why did you choose to use this specific type of pesticide/ herbicide?	65. Where did you buy most of the pesticides/ herbicides?				
			T-SHILLINGS	LIST UP TO TWO NETWORK ROSTER ID 1      2	▶!		AMOUNT      UNIT	T-SHILLINGS		LIST UP TO TWO NETWORK ROSTER ID 1      2				
1														
2														
3														
4														
5														
6														

# INPUTS ON CREDIT

D E L I N E	P L O T  I D	66. Did you receive any seeds, fertilizers, pesticides or herbicides for [PLOT] on credit to be paid later on during the long rainy agricultural season 2012?	67. What were the types of input you received on credit? <b>LIST ALL</b>	68. How much did you pay up front for these inputs?	69. How much did you repay in cash later on for the inputs?	70. How much did you repay in kind later on for the inputs?	71. From whom did you receive these inputs on credit?
		YES...1 NO....2 ▶72	SEEDS.....1 ORGANIC FERTILIZER....2 INORGANIC FERTILIZER...3 PESTICIDES / HERBICIDE....4			THIS CROP (KGS) .....1 LABOR (DAYS) .....2 OTHER, SPECIFY.....3	<b>LIST UP TO TWO</b> NETWORK ROSTER ID #1      #2
			#1    #2    #3    #4	T-SHILLINGS	T-SHILLINGS	QUANTITY    CODE	

1									
2									
3									
4									
5									
6									

# INPUTS ON CREDIT

D E L I N E		66. 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?	67. What were the types of input you received on credit? <b>LIST ALL</b>	68. How much did you pay up front for these inputs?	69. How much did you repay in cash later on for the inputs?	70. How much did you repay in kind later on for the inputs?	71. From whom did you receive these inputs on credit?
		▶!					<b>LIST UP TO TWO</b> NETWORK ROSTER ID #1      #2
			#1    #2    #3    #4	T-SHILLINGS	T-SHILLINGS	QUANTITY    CODE	

1									
2									
3									
4									
5									
6									

		HOUSEHOLD LABOR																											
D E L I N E	P L O T  I D	72. During the <u>long rainy season 2012</u> , how many days did [NAME] spend on the following activities on this plot?																											
		Land preparation and planting							Weeding							Ridging, Fertilizing, Other Non-Harvest Activites							Harvesting						
		ID:	ID:	ID:	ID:	ID:	ID:	Typical number of hours per day worked by an individual on this plot	ID:	ID:	ID:	ID:	ID:	ID:	Typical number of hours per day worked by an individual on this plot	ID:	ID:	ID:	ID:	ID:	ID:	Typical number of hours per day worked by an individual on this plot	ID:	ID:	ID:	ID:	ID:	ID:	Typical number of hours per day worked by an individual on this plot
1																													
2																													
3																													
4																													
5																													
6																													

		HOUSEHOLD LABOR																											
D E L I N E		72. During the last completed <u>short rainy season</u> , how many days did [NAME] spend on the following activities on this plot?																											
		Land preparation and planting							Weeding							Ridging, Fertilizing, Other Non-Harvest Activites							Harvesting						
		ID:	ID:	ID:	ID:	ID:	ID:	Typical number of hours per day worked by an individual on this plot	ID:	ID:	ID:	ID:	ID:	ID:	Typical number of hours per day worked by an individual on this plot	ID:	ID:	ID:	ID:	ID:	ID:	Typical number of hours per day worked by an individual on this plot	ID:	ID:	ID:	ID:	ID:	ID:	Typical number of hours per day worked by an individual on this plot
1																													
2																													
3																													
4																													
5																													
6																													

HIRED LABOR																		
D E L I N E	P L O T  I D	73. Did you hire any labor to work on this plot in the long rainy season 2012?	74. During the long rainy season 2012, how many days did your household have hired labor for this plot for [...]?															
		INCLUDE IN-KIND PAYMENTS																
		Land preparation and planting				Weeding				Ridging, Fertilizing, Other Non-Harvest Activites				Harvesting				
		YES...1 NO...2 ▶75	WOMAN DAYS	MAN DAYS	CHILD DAYS	TOTAL WAGE PAID (TSH)	WOMAN DAYS	MAN DAYS	CHILD DAYS	TOTAL WAGE PAID (TSH)	WOMAN DAYS	MAN DAYS	CHILD DAYS	TOTAL WAGE PAID (TSH)	WOMAN DAYS	MAN DAYS	CHILD DAYS	TOTAL WAGE PAID (TSH)
1																		
2																		
3																		
4																		
5																		
6																		

HIRED LABOR																		
D E L I N E		73. Did you hire any labor to work on this plot in the last completed short rainy season?	74. During the last completed short rainy season, how many days did your household have hired labor for this plot for [...]?															
		Land preparation and planting				Weeding				Ridging, Fertilizing, Other Non-Harvest Activites				Harvesting				
		▶!	WOMAN DAYS	MAN DAYS	CHILD DAYS	TOTAL WAGE PAID (TSH)	WOMAN DAYS	MAN DAYS	CHILD DAYS	TOTAL WAGE PAID (TSH)	WOMAN DAYS	MAN DAYS	CHILD DAYS	TOTAL WAGE PAID (TSH)	WOMAN DAYS	MAN DAYS	CHILD DAYS	TOTAL WAGE PAID (TSH)
1																		
2																		
3																		
4																		
5																		
6																		

## LONG RAINY SEASON

D E L I N E	P L O T  I D	75. WHEN WAS THE LAST SHORT RAINY SEASON?  USE INFORMATION IN SECTION 2	76. Did you cultivate this plot in the short rainy season 2011?	77. What was the main crop cultivated on this plot in the short rainy season 2011?	78. Did you have use of this plot in the short rainy season 2011?	79. How did you acquire this plot for the long rainy season 2012?	80. How did you use this plot during the short rainy season 2011?	81. Did you cultivate this plot in the short rainy season 2012?	82. What was the main crop cultivated on this plot in the short rainy season 2012?	83. Did you have use of this plot in the short rainy season 2012?	84. Why did you not have this plot (owned or cultivated) in the short rainy season 2012?	85. How did you use this plot during the short rainy season 2012?
				OCT-DEC 2011...1 OCT-DEC 2012...2 ▶81	YES...1 NO...2 ▶78	▶ NEXT PLOT	YES...1 ▶80 NO...2	BOUGHT IT.....1 INHERITED.....2 STARTED RENTING / SHARECROPPING...3 CLEARED IT.....4 DISTRIBUTED BY VILLAGE.....5 RECEIVED AS GIFT..6 OCCUPIED.....7	▶ NEXT PLOT		▶ NEXT PLOT	YES...1 ▶85 NO...2
				CROP CODE					CROP CODE			

1												
2												
3												
4												
5												
6												

## SHORT RAINY SEASON

D E L I N E		75. ENUMERATOR: DID YOU ALREADY LIST THIS PLOT ABOVE IN 3A?	76. WHAT YEAR WAS THE LAST COMPLETED SHORT RAINY SEASON?	77. Why did you not have this plot (own or cultivate) during the long rainy season 2012? ▶ NEXT PLOT	78. How did you acquire this plot for the short rainy season 2012?
			YES...1 ▶NEXT PLOT NO...2	2011...1 2012...2 ▶78	SOLD IT.....1 ABANDONED.....2 TAKEN.....3 REDISTRIBUTED BY VILLAGE.....4 GIVEN AWAY.....5 STOPPED RENTING / SHARECROPPING..6
1					
2					
3					
4					
5					
6					



3. PLOT DETAILS

3A. LONG RAINY SEASON

D E L I N E	P L O T  I D	1. LIST ALL PLOTS OWNED OR CULTIVATED BY THE HOUSEHOLD IN MASIKA 2012.  REFER TO SECTION 2A.

1		
2		
3		
4		
5		
6		

3B. SHORT RAINY SEASON

D E L I N E	P L O T  I D	1. LIST ALL PLOTS OWNED OR CULTIVATED BY THE HOUSEHOLD IN MASIKA 2012 OR THE LAST COMPLETED VULI SEASON.  REFER TO SECTIONS 2A AND 2B

1		
2		
3		
4		
5		
6		

#### 4. CROPS BY PLOT

##### 4A. LONG RAINY SEASON 2012

##### SEEDS

D E L I N E	P L O T	C R O P	1.	2.	3.	4.	5.	6.	7.	8.	9.
			Was crop planted in entire area of plot?  YES...1 ▶4 NO....2	Approximately, how much of the plot was planted with [CROP]?  1/4.....1 1/2.....2 3/4.....3	Why didn't you plant the entire plot with [CROP]?  WAS DIVIDED.....1 DROUGHT.....2 LACK OF TOOLS / EQUIPMENT.....3 LACK OF SEEDS....4 FLOODS.....5 LOANS.....6 AG EQUIPMENT.....7 OTHER, SPECIFY....8	Was cultivation intercropped?  YES...1 NO....2 ▶6	What is the reason for this intercropping?  SUBSTITUTE IF EITHER CROP FAILS.....1 MORE FERTILE FOR THE SOIL.....2 OTHER, SPECIFY...3	What was the name of the <b>main</b> seed variety for this [CROP] on this plot?  NAME	How many varieties of seed for this [CROP] were planted on this plot?	Were the seeds...  IMPROVED.....1 TRADITIONAL..2 ▶10 IMPROVED, RECYCLED....3 ▶10 OTHER, SPECIFY....4	What was the type of improved seeds?  CERTIFIED..1 QUALITY DECLARED..2

1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

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

##### SEEDS

D E L I N E	P L O T	C R O P	1.	2.	3.	4.	5.	6.	7.	8.	9.
			Was crop planted in entire area of plot?  ▶ !	Approximately, how much of the plot was planted with [CROP]?  ▶ !	Why didn't you plant the entire plot with [CROP]?  ▶ !	Was cultivation intercropped?  ▶ !	What is the reason for this intercropping?  ▶ !	What was the name of the <b>main</b> seed variety for this [CROP] on this plot?  NAME	How many varieties of seed for this [CROP] were planted on this plot?  ▶ !	Were the seeds...  ▶ !	What was the type of improved seeds?  ▶ !

1											
2											
3											
4											
5											
6											
7											
8											

# PRE-HARVEST LOSSES

10. What was the total amount of seeds used?  KG.....1 20 LITER BUCKET.....2 SMALL CUP....3 LARGE CUP....4 OTHER, SPECIFY....5  QUANTITY   UNIT	11. Did you receive a voucher/certificate for any of this [SEED]?  YES...1 NO....2	12. What was the total amount paid for seeds?  T-SHILLINGS	13. Where did you buy most of the seed?  LIST UP TO TWO  NETWORK ROSTER ID 1   2	14. Did you use any seeds from the previous season?  YES...1 NO....2 ►17	15. What type of seed were the seeds from the previous season?  IMPROVED.....1 TRADITIONAL..2 ►17 IMPROVED, RECYCLED....3 ►17 OTHER, SPECIFY....4	16. What type of improved seed were the seeds from the previous season?  CERTIFIED..1 QUALITY DECLARED..2	17. Were there any losses of crops before the harvest?  YES...1 NO....2 ►19	18. What was the cause of these losses?  BIRDS.....1 ANIMALS....2 INSECTS....3 DISEASES...4 THEFT.....5 OTHER, SPECIFY..6
--	--	---	--	---	---	--	--	--


# PRE-HARVEST LOSSES

10. What was the total amount of seeds used?  QUANTITY   UNIT	11. Did you receive a voucher/certificate for any of this [SEED]?  YES...1 NO....2	12. What was the total amount paid for seeds?  T-SHILLINGS	13. Where did you buy most of the seed?  NETWORK ROSTER ID 1   2	14. Did you use any seeds from the previous season?  ►!	15. What type of seed were the seeds from the previous season?  ►!	16. What type of improved seed were the seeds from the previous season?  ►!	17. Were there any losses of crops before the harvest?  ►!	18. What was the cause of these losses?
--	--	---	--	--	---	--	---	--


HARVEST

19. Did you harvest any [CROP] on this plot in the long-rainy season 2012?  <div>YES...1 ▶21 NO...2</div>	20. Why didn't you harvest any [CROP] on this plot?  NOT MINE TO HARVEST.....1 STILL IN PLOT..2 DESTRUCTION....3 OTHER, SPECIFY.4 <div>▶NEXT CROP</div>	21. What was the area harvested in the long rainy season 2012?  ACRES	22. Was area harvested less than area planted?  <div>YES...1 NO...2 ▶24</div>	23. What was the reason it was less than the area planted?  USE CODES AT RIGHT	24. What was the first and last month of the harvest period?  PUT "0" IN "END" IF NOT YET COMPLETE MONTH BEGIN   END	25. Have you finished the harvest?  <div>YES...1 ▶28 NO...2</div>	26. How many more days do you expect the harvest to last?  DAYS	27. What fraction of the crop remains to be harvested in this period?  PERCENT	28. What was the quantity harvested?  CONVERT LOCAL UNITS TO KILOGRAMS KG	29. What is the estimated value of the harvested crop?  HOW MUCH WAS HARVEST WORTH IN THE MARKET DURING HARVEST SEASON? T-SHILLINGS	30. Who in the household made the decisions concerning the use of the harvested crop?  LIST UP TO TWO ID #1   ID #2
--	--	--	--	---	---	--	--	---	---	---	---

CODES FOR Q23

- DROUGHT.....1
- RAINS.....2
- FIRE.....3
- INSECTS.....4
- ANIMALS.....5
- CROP
- THEFT.....6
- DISEASES AND COMMUNITY PROBLEMS..7
- LACK OF CASUAL LABOR.....8
- OTHER, SPECIFY...9

HARVEST

19. Did you harvest any [CROP] on this plot in the last short-rainy season?  ▶ !	20. Why didn't you harvest any [CROP] on this plot?  ▶ !	21. What was the area harvested in last short rainy season?  ACRES	22. Was area harvested less than area planted?  ▶ !	23. What was the reason it was less than the area planted?  USE CODES AT RIGHT	24. What was the first and last month of the harvest period?  MONTH BEGIN   END	25. Have you finished the harvest?  ▶ !	26. How many more days do you expect the harvest to last?  DAYS	27. What fraction of the crop remains to be harvested in this period?  PERCENT	28. What was the quantity harvested?  KG	29. What is the estimated value of the harvested crop?  T-SHILLINGS	30. Who in the household made the decisions concerning the use of the harvested crop?  LIST UP TO TWO ID #1   ID #2
---	---	---	--	---	---	--	--	---	---	--	---


4. CROPS BY PLOT  
4A. LONG RAINY SEASON 2012

D E L I N E	P L O T	C R O P	PLEASE LIST ALL PLOTS CULTIVATED DURING THE LONG RAINY SEASON 2012.	
			FOR EACH PLOT LIST ALL ANNUAL CROPS CULTIVATED.	
			PLOT NAME	CROP NAME

1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

4B. LAST COMPLETED SHORT RAINY SEASON

D E L I N E	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.	
			PLOT NAME	CROP NAME

1				
2				
3				
4				
5				
6				
7				
8				

## 5. CROPS - HOUSEHOLD TOTALS

### 5A. LONG RAINY SEASON 2012

#### SALES

D E L I N E	C R O P  CODE	1. Did you sell any of the [CROP] produced in the long rainy season 2012?  YES...1 NO...2 ▶23	2. What was the quantity sold?  CONVERT LOCAL UNITS INTO KILOGRAMS  KG	3. What was the total value of the sales?  T-SHILLINGS	4. To which persons, firms or institutions did you sell the largest amount of [CROP]?  LIST LARGEST CUSTOMER  NETWORK ROSTER ID CODE CUSTOMER #1	5. What quantity of [CROP] did you sell to [CUSTOMER #1]?  KG	6. What was the total value of these sales to [CUSTOMER #1]?  T-SHILLINGS	7. During which month did you sell most of [CROP] to [CUSTOMER #1]?  MONTH   YEAR	8. Approximately how many transactions took place while selling [CROP] to [CUSTOMER #1]?  TRANSACTIONS	9. Who in your household is responsible for negotiating the sale of [CROP] to [CUSTOMER #1]?  LIST UP TO 2 FROM HOUSEHOLD ROSTER  HH ID #1   HH ID #2	10. Who in your household decided what to do with these earnings?  LIST UP TO 2 FROM HOUSEHOLD ROSTER  HH ID #1   HH ID #2	11. To which persons, firms or institutions did you sell the second largest amount of [CROP]?  IF NONE, WRITE 99 AND ▶ 18  NETWORK ROSTER ID CODE CUSTOMER #2
		1										
2												
3												
4												
5												

### 5B. SHORT RAINY SEASON

#### SALES

D E L I N E	C R O P  CODE	1. Did you sell any of the [CROP] produced in the last completed short rainy season?  ▶ !	2. What was the quantity sold?  CONVERT LOCAL UNITS INTO KILOGRAMS  KG	3. What was the total value of the sales?  T-SHILLINGS	4. To which persons, firms or institutions did you sell the largest amount of [CROP]?  LIST LARGEST CUSTOMER  NETWORK ROSTER ID CODE CUSTOMER #1	5. What quantity of [CROP] did you sell to [CUSTOMER #1]?  KG	6. What was the total value of these sales to [CUSTOMER #1]?  T-SHILLINGS	7. During which month did you sell most of [CROP] to [CUSTOMER #1]?  MONTH   YEAR	8. Approximately how many transactions took place while selling [CROP] to [CUSTOMER #1]?  TRANSACTIONS	9. Who in your household is responsible for negotiating the sale of [CROP] to [CUSTOMER #1]?  LIST UP TO 2 FROM HOUSEHOLD ROSTER  HH ID #1   HH ID #2	10. Who in your household decided what to do with these earnings?  LIST UP TO 2 FROM HOUSEHOLD ROSTER  HH ID #1   HH ID #2	11. To which persons, firms or institutions did you sell the second largest amount of [CROP]?  IF NONE, WRITE 99 AND ▶ 18  NETWORK ROSTER ID CODE CUSTOMER #2
		1										
2												
3												

# TRANSPORT

12. What quantity of [CROP] did you sell to [CUSTOMER #2]?	13. What was the total value of these sales to [CUSTOMER #2]?	14. During which month did you sell most of [CROP] to [CUSTOMER #2]?	15. Approximately how many transactions took place while selling [CROP] to [CUSTOMER #2]?	16. Who in your household is responsible for negotiating the sale of [CROP] to [CUSTOMER #2]?	17. Who in your household decided what to do with these earnings?	18. Generally, did you transport [CROP] for sale?	19. What is the average distance you transported [CROP] for sale?	20. How many times did you transport [CROP] for sale during the long rainy season in 2012?	21. Generally, how did you transport [CROP]?	22. How much did you pay to transport [CROP] during the long rainy season 2012?
KG	T-SHILLINGS	MONTH   YEAR	TRANSACTIONS	LIST UP TO 2 FROM HOUSEHOLD ROSTER HH ID #1   HH ID #2	LIST UP TO 2 FROM HOUSEHOLD ROSTER HH ID #1   HH ID #2	YES...1 NO...2 ▶23	KM	# TIMES	ON FOOT...1 BICYCLE...2 ANIMAL...3 CAR...4 OTHER, SPECIFY...5	INCLUDE ROUNDRIP TRANSPORTATION  T-SHILLINGS

# TRANSPORT

12. What quantity of [CROP] did you sell to [CUSTOMER #2]?	13. What was the total value of these sales to [CUSTOMER #2]?	14. During which month did you sell most of [CROP] to [CUSTOMER #2]?	15. Approximately how many transactions took place while selling [CROP] to [CUSTOMER #2]?	16. Who in your household is responsible for negotiating the sale of [CROP] to [CUSTOMER #2]?	17. Who in your household decided what to do with these earnings?	18. Did you transport [CROP] for sale?	19. What is the average distance you transported [CROP] for sale?	20. How many times did you transport [CROP] for sale during the short rainy season?	21. How did you transport [CROP]?	22. How much did you pay to transport [CROP] during the short rainy season?
KG	T-SHILLINGS	MONTH   YEAR	TRANSACTIONS	LIST UP TO 2 FROM HOUSEHOLD ROSTER HH ID #1   HH ID #2	LIST UP TO 2 FROM HOUSEHOLD ROSTER HH ID #1   HH ID #2	▶ !	KM	# TIMES		INCLUDE ROUNDRIP TRANSPORTATION  T-SHILLINGS

STORAGE						POST-HARVEST LOSSES			
23. Do you have any of the harvest from the long rainy season 2012 in storage now?        YES...1 NO....2 ►29	24. How much of this harvest do you still have in storage?        AMOUNT KG	25. What is your main method of storage?  LOCALLY MADE TRADITIONAL STRUCTURE...1 LOCALLY MADE IMPROVED STRUCTURE.....2 MODERN STORE.....3 SACKS / OPEN DRUM.....4 AIRTIGHT DRUM.....5 UNPROTECTED PILE.....6 CEILING.....7 OTHER, SPECIFY.....8	26. Did you do anything to protect the stored crop?        YES...1 NO....2 ►28	27. What did you do?        SPRAYING...1 SMOKING....2 OTHER, SPECIFY..3	28. When you store [CROP], what is usually the main purpose of storing it?        FOOD FOR HOUSEHOLD..1 TO SELL AT HIGHER PRICE.....2 SEED FOR PLANTING...3 OTHER, SPECIFY....4	29. Was any portion of the production lost post-harvest to rotting, insects, rodents, theft, etc?        YES...1 NO....2 ►33	30. What was the reason for the loss?        ROTTING..1 INSECTS..2 PESTS....3 THEFT...4 OTHER, SPECIFY.5	31. Out of 10 units of [CROP], how many were lost?        NUMBER (0-10)	32. What was the value of this lost crop?        T-SHILLINGS


STORAGE						POST-HARVEST LOSSES			
23. Do you have any of the harvest from the last completed short rainy season in storage now?        ► !	24. How much of this harvest do you still have in storage?        AMOUNT KG	25. What is your main method of storage?	26. Did you do anything to protect the stored crop?        ► !	27. What did you do?	28. When you store [CROP], what is usually the main purpose of storing it?	29. Was any portion of this production lost post-harvest to rotting, insects, rodents, theft, etc?        ► !	30. What was the reason for the loss?	31. Out of 10 units of [CROP], how many were lost?        NUMBER (0-10)	32. What was the value of this lost crop?        T-SHILLINGS



## CROP RESIDUE

<p>33. What was done with the residue from this crop?</p> <p>CROP PRODUCES NO RESIDUE.....1          (▶NEXT CROP)          RESIDUE WAS LEFT IN FIELD.....2          (▶NEXT CROP)          MULCHED.....3          (▶NEXT CROP)          FOR GRAZING OWN ANIMALS.....4          (▶NEXT CROP)          FOR GRAZING OTHERS' ANIMALS...5          FEEDING OWN ANIMALS.....6          (▶NEXT CROP)          FOR SALE.....7          OTHER, SPECIFY.....8</p> <p><b>LIST UP TO TWO</b></p> <p>1   2</p>	<p>34. What was the quantity sold?</p> <p>KG</p>	<p>35. What was the total value of the sales?</p> <p>T-SHILLINGS</p>	<p>36. To which persons, firms or instiuttions did you sell the most of the residue from this [CROP]?</p> <p><b>LIST UP TO TWO START WITH THE LARGEST CUSTOMER</b></p> <p>NETWORK ROSTER ID CODE</p> <p>1   2</p>
--	--	--	---


## CROP RESIDUE

<p>33.</p> <p>What was done with the residue from this crop?</p> <div data-bbox="226 1181 331 1232">  </div> <p>LIST UP TO TWO</p> <div data-bbox="163 1294 427 1319"> <div>1</div> <div>2</div> </div>	<p>34.</p> <p>What was the quantity sold?</p> <p>KG</p>	<p>35.</p> <p>What was the total value of the sales?</p> <p>T-SHILLINGS</p>	<p>36.</p> <p>To which persons, firms or institutions did you sell the most of the residue from this [CROP]?</p> <p>LIST UP TO TWO</p> <p>NETWORK ROSTER ID CODE</p> <div data-bbox="947 1294 1178 1319"> <div>1</div> <div>2</div> </div>
--	---	---	--


## 5. CROPS - HOUSEHOLD TOTALS

### 5A. LONG RAINY SEASON 2012

D E L I N E	C R O P	PLEASE LIST ALL ANNUAL CROPS GROWN ON ANY PLOT DURING THE LONG RAINY SEASON 2012, AS LISTED IN SECTION 4
		CODE CROP NAME

1		
2		
3		
4		
5		

### 5B. SHORT RAINY SEASON

D E L I N E	C R O P	PLEASE LIST ALL ANNUAL CROPS GROWN ON ANY PLOT DURING THE SHORT RAINY SEASON, AS LISTED IN SECTION 4
		CODE CROP NAME

1		
2		
3		

## 6. PERMANENT CROPS BY PLOT

### 6A. FRUIT CROPS

6A. FRUIT CROPS														PRE-HARVEST LOSSES			
D E L I N E	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.	2. How many of these plants/ trees are on this plot?	3. In what year were most of these plants/ trees planted?	4. How many trees/ plants were planted during the last 12 months?	5. Was cultivation intercropped during the past long rainy season?  YES...1 NO....2 ►7	6. What was the reason for intercropping?  MORE FERTILE FOR THE SOIL.....1 SUBSTITUTE IF EITHER CROP FAILS.....2 OTHER, SPECIFY...3	7. What was the last completed production period for the [FRUIT]? (IF THERE IS NO PARTICULAR PRODUCTION PERIOD, USE THE LAST 12 MONTHS)				8. Who in the household made the decisions concerning the use of [FRUIT] harvested in the past 12 months?  LIST UP TO TWO FROM HOUSEHOLD ROSTER		9. What was the total amount of [FRUIT] harvested in the past 12 months?  KG	10. Were there any losses of [FRUIT] before the harvest?  YES...1 NO....2 ►NEXT FRUIT	11. What was the cause of these losses?  BIRDS....1 ANIMALS...2 INSECTS...3 DISEASES...4 THEFT.....5 OTHER, SPECIFY.6
			FRUIT NAME	NUMBER	YEAR [4 digit]	NUMBER	BEGIN YEAR MONTH	END YEAR MONTH	HH ID #1	HH ID #2							
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

### 6B. PERMANENT CROPS

6B. PERMANENT CROPS														PRE-HARVEST LOSSES			
D E L I N E	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.	2. How many of these plants/ trees are on this plot?	3. In what year were most of these plants/ trees planted?	4. How many trees/ plants were planted during the last 12 months?	5. Was cultivation intercropped during the past long rainy season?  YES...1 NO....2 ►7	6. What was the reason for intercropping?  MORE FERTILE FOR THE SOIL.....1 SUBSTITUTE IF EITHER CROP FAILS.....2 OTHER, SPECIFY...3	7. What was the last completed production period for the [CROP]? (IF THERE IS NO PARTICULAR PRODUCTION PERIOD, USE THE LAST 12 MONTHS)				8. Who in the household made the decisions concerning the use of [CROP] harvested in the past 12 months?  LIST UP TO TWO FROM HOUSEHOLD ROSTER		9. What was the total amount of [CROP] harvested in the past 12 months?  KG	10. Were there any losses of [CROP] before the harvest?  YES...1 NO....2 ►NEXT CROP	11. What was the cause of these losses?  BIRDS....1 ANIMALS...2 INSECTS...3 DISEASES...4 THEFT.....5 OTHER, SPECIFY.6
			CROP NAME	NUMBER	YEAR [4 digit]	NUMBER	BEGIN YEAR MONTH	END YEAR MONTH	HH ID #1	HH ID #2							
1																	
2																	
3																	
4																	
5																	
6																	

7. PERMANENT CROPS - HOUSEHOLDS TOTAL

7A. FRUIT CROPS

STORAGE

D E L I N E	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?	4. What was the total value of [FRUIT] sold?	5. Who in your household was responsible for negotiating the sale of the [FRUIT]?	6. Who in your household decided what to do with these earnings?	7. Where did you sell most of the [FRUIT]?	8. Do you have any of this harvest in storage now?	9. How much of this harvest do you still have in storage?
		FRUIT NAME	YES...1 NO....2 ▶8	KG	T-SHILLINGS	HH ID #1   HH ID #2	HH ID #1   HH ID #2	START WITH THE LARGEST CUSTOMER LIST UP TO TWO  NETWORK ROSTER ID 1   2	YES...1 NO....2 ▶13	AMOUNT  KG
1										
2										
3										
4										
5										

7B. PERMANENT CROPS

STORAGE

D E L I N E	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?	4. What was the total value of this [CROP] sold?	5. Who in your household was responsible for negotiating the sale of the [CROP]?	6. Who in your household decided what to do with these earnings?	7. Where did you sell most of the [CROP]?	8. Do you have any of this harvest in storage now?	9. How much of this harvest do you still have in storage?
		CROP NAME	YES...1 NO....2 ▶8	KG	T-SHILLINGS	HH ID #1   HH ID #2	HH ID #1   HH ID #2	START WITH THE LARGEST CUSTOMER LIST UP TO TWO  NETWORK ROSTER ID 1   2	YES...1 NO....2 ▶13	AMOUNT  KG
1										
2										
3										
4										
5										

# POST-HARVEST LOSSES

D E L I N E	F R U I T	LIST ALL FRUIT TREES REPORTED IN SECTION 6A	10. What is your main method of storage?	11. Did you do anything to protect the stored crop?	12. What did you do?	13. Was any portion of the production lost post-harvest to rotting, insects, rodents, theft, etc?	14. What was the reason for this loss?	15. Out of 10 units of [FRUIT], how many were lost?	16. What was the value of this lost [FRUIT]?
		FRUIT NAME	LOCALLY MADE TRADITIONAL STRUCTURE...1 IMPROVED LOCALLY MADE STRUCTURE.....2 MODERN STORE.....3 SACKS/OPEN DRUM.....4 AIRTIGHT DRUM.....5 UNPROTECTED PILE.....6 OTHER, SPECIFY.....7	YES...1 NO....2 ▶ 13	SPRAYING...1 SMOKING...2 OTHER, SPECIFY...3	YES...1 NO....2 ▶NEXT FRUIT	ROTTING....1 INSECTS....2 RODENTS, PESTS....3 THEFT.....4 OTHER SPECIFY...5	NUMBER (0-10)	T-SHILLINGS

1									
2									
3									
4									
5									

# POST-HARVEST LOSSES

D E L I N E	C R O P	LIST ALL PERMANENT CROPS REPORTED IN SECTION 6B	10. What is your main method of storage?	11. Did you do anything to protect the stored crop?	12. What did you do?	13. Was any portion of this production lost post-harvest to rotting, insects, rodents, theft, etc?	14. What was the reason for this loss?	15. Out of 10 units of [CROP] how many were lost?	16. What was the value of this lost [CROP]?
		CROP NAME	LOCALLY MADE TRADITIONAL STRUCTURE...1 IMPROVED LOCALLY MADE STRUCTURE.....2 MODERN STORE.....3 SACKS/OPEN DRUM.....4 AIRTIGHT DRUM.....5 UNPROTECTED PILE.....6 OTHER, SPECIFY.....7	YES...1 NO....2 ▶13	SPRAYING...1 SMOKING...2 OTHER, SPECIFY...3	YES...1 NO....2 ▶NEXT CROP	ROTTING....1 INSECTS....2 RODENTS, PESTS....3 THEFT.....4 OTHER SPECIFY...5	NUMBER (0-10)	T-SHILLINGS

1									
2									
3									
4									
5									

## 8. INPUT VOUCHERS

1. Has your household ever received an input vouchers?	YES...1 NO...2 (▶SECTION 9)	<input style="width: 60px; height: 25px; border: 1px solid black;" type="text"/>
2. In what year did your household start receiving input vouchers?		<input style="width: 60px; height: 25px; border: 1px solid black;" type="text"/> YEAR

	3. Did your household receive any vouchers to buy [INPUT] in the 2012/2013 planting season even if you did not use them?  YES...1 NO...2 (▶NEXT INPUT)	4. How many vouchers did your household receive for [INPUT]?  NUMBER	5. Who in your household received the vouchers for [INPUT]?  LIST UP TO TWO FROM HOUSEHOLD ROSTER  ID#1   ID#2	6. How many vouchers did you redeem for [INPUT]?  NUMBER  If '0' ▶NEXT ROW	7. How much did you pay as a top up for [INPUT] when redeeming the vouchers?  EXCLUDE TRANSPORTATION COSTS  ESTIMATE THE VALUE OF IN-KIND PAYMENTS.  TSH	8. How much did you pay for transportation to acquire the [INPUT] with the vouchers?  INCLUDE ALL TRIPS FROM AND BACK TO THE FARM  TSH	9. How many kilograms did you receive from your vouchers for [INPUT]?  KG	10. How many kilograms from these vouchers for [INPUT] did you use in the 2012/2013 planting season?  IF NONE, WRITE '0'  KG	11. How many kilograms from these vouchers for [INPUT] did you sell, barter or trade?  IF NONE, WRITE '0'  KG	12. How many kilograms from these vouchers for [INPUT] did you give away?  IF NONE, WRITE '0'  KG	13. How many kilograms from these vouchers for [INPUT] do you still have in storage?  IF NONE, WRITE '0'  KG
INPUT											
A. UREA											
B. DAP/Minjingu											
C. Maize hybrid											
D. Maize OPV											
E. Paddy											

9. 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 10

9A. LONG RAINY SEASON 2012

2 What crops were grown as part of an outgrower scheme or contract farming system in the long rainy season 2012?  NONE ▶ SECTION 9B ..... CROP CODE	3 What farm/company did you work with in this scheme?  NETWORK ID	4 What did you agree in advance (before planting) with the buyer as part of this scheme?  YES...1 NO....2  CROP SALE PRICE AMOUNT PRODUCED AREA PLANTED QUALITY OF CROP DATE OF HARVEST OTHER, SPECIFY	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 ▶8 NO....2	7 What were the main problems?  DID NOT BUY ALL CROP.....1 DELAYS IN PAYMENT..2 CHANGED THE PRICE..3 OTHER, SPECIFY.....4	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?  ELSEWHERE....1 PLANTED LESS.2 PRODUCED LESS.....3 OTHER, SPECIFY.....4

9B. LAST COMPLETED SHORT RAINY SEASON

2011 | | 2012 | |

2 What crops were grown as part of an outgrower scheme or contract farming system in the last completed short rainy season?  NONE ▶ SECTION 9C ..... CROP CODE	3 What farm/company did you work with in this scheme?  NETWORK ID	4 What did you agree in advance (before planting) with the buyer as part of this scheme?  YES...1 NO....2  CROP SALE PRICE AMOUNT PRODUCED AREA PLANTED QUALITY OF CROP DATE OF HARVEST OTHER, SPECIFY	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 ▶8 NO....2	7 What were the main problems?  DID NOT BUY ALL CROP.....1 DELAYS IN PAYMENT..2 CHANGED THE PRICE..3 OTHER, SPECIFY.....4	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?  ELSEWHERE....1 PLANTED LESS.2 PRODUCED LESS.....3 OTHER, SPECIFY.....4

9C. 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 10 ..... CROP CODE	3 What farm/company did you work with in this scheme?  NETWORK CODE	4 What did you agree in advance (before planting) with the buyer as part of this scheme?  YES...1 NO....2  CROP SALE PRICE AMOUNT PRODUCED AREA PLANTED QUALITY OF CROP DATE OF HARVEST OTHER, SPECIFY	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 ▶8 NO....2	7 What were the main problems?  DID NOT BUY ALL CROP.....1 DELAYS IN PAYMENT..2 CHANGED THE PRICE..3 OTHER, SPECIFY.....4	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?  ELSEWHERE....1 PLANTED LESS.2 PRODUCED LESS.....3 OTHER, SPECIFY.....4

10. 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 11

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?		5. In total, how much [CROP] did you use in total as input for the [BY-PRODUCT] in the last 12 months?		6. Was any [BY-PRODUCT] sold?		7. How much was sold?		8. How much [CROP] did you use as input for the sold [BY-PRODUCT]?		9. Who in your household was responsible for negotiating the sale of [BY-PRODUCT]?			
					KG.....1 LITER...2				YES...1 NO....2 ►13		KG.....1 LITER...2				LIST UP TO 2 FROM HOUSEHOLD ROSTER			
NAME			CROP CODE		PROCESSED...1 BY-PRODUCT..2		USE CODES BELOW		AMOUNT		UNIT		KG		HH ID #1		HH ID #2	
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

CODES FOR Q3  
PROCESSED:

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

BY-PRODUCTS:

- 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, SPECIFY..18



10. Who in your household decided what to do with these earnings?  <div>LIST UP TO 2 FROM HOUSEHOLD ROSTER</div> <div>HH ID #1   HH ID #2</div>		11. What was total sales in shillings?  T-SHILLINGS	12. Where did you sell most of the [BY-PRODUCT] that you sold?  <div>LIST UP TO TWO NETWORK ROSTER ID</div> <div>1   2</div>		13. Did you incur any other expenses such as labor costs, additional inputs etc. in the production of [BY-PRODUCT]?  YES...1 NO...2 ▶NEXT PRODUCT	14. What were the total costs of these additional expenses?  T-SHILLINGS

## 11. FARM IMPLEMENTS AND MACHINERY

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?  <b>IF '0' ► 3</b>  NUMBER	2. What is the value of the [ITEM] if sold?  T-SHILLINGS	3. Did the household own [ITEM] during the last 12 months?  YES...1 NO....2 (►6)	4. Did you use [ITEM] in the last 12 months?  YES...1 (►6) NO....2	5. What was the reason for not using [ITEM]?  NO NEED FOR ONE.1 NEEDS REPAIR / SICK.....2 LENT TO OTHERS..3 RENTED TO OTHERS.....4 OTHER, SPECIFY..5	6. Did your household rent or borrow any [ITEM] for use in the last 12 months?  YES...1 NO....2 (►NEXT)	7. How many [ITEM] did the household rent or borrow in the last 12 months?  NUMBER	8. Where did your household rent or borrow [ITEM] from last 12 months?  NETWORK ROSTER ID CODE	9. How much did your household pay to rent or borrow [ITEM] last 12 months?  T-SHILLINGS
1 Hand hoe									
2 Hand-powered Sprayer									
3 Ox Plough									
4 Ox seed planter									
5 Ox cart									
6 Tractor									
7 Tractor plough									
8 Tractor harrow									
9 Sheller/Thresher									
10 Hand mill/Grinder									
11 Watering can									
12 Farm buildings/Storage facilities									
13 Geri cans/drums									
14 Power tiller									
15 Other, Specify									

12. 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  A. Agricultural    B. Agro-processing    C. Marketing    D. Fishing Production    E. Livestock Production    F. Prevention of Livestock diseases						3. Who in your household received advice from [SOURCE]?  LIST UP TO 4 PEOPLE IN HH ID #1   ID #2   ID #3   ID #4				4. How would you rate the advice received?  GOOD...1 AVERAGE...2 BAD...3	5. Did you pay anything in order to receive the advice?  YES...1 NO...2 ▶7	6. How much did you pay?  T-SHILLINGS	7. How many times did someone from [SOURCE] visit your farm in the past 12 months?  PUT 0 IF NEVER
1	Government extension															
2	NGO															
3	Cooperative/Farmer's Association															
4	Large Scale Farmer															
5	Other, Specify															

	SOURCE	8 In the past 12 months did anyone in your household receive any information about agricultural prices from [SOURCE]?  YES...1 NO...2 ▶NEXT ROW	9. Did you pay anything in order to receive the advice?  YES...1 NO...2 ▶NEXT ROW	10. How much did you pay?  T-SHILLINGS
--	--------	--	--	---

1	Government extension		
2	NGO		
3	Cooperative/Farmer's association		
4	Large scale farmer		
5	Radio/Television		
6	Publication		
7	Neighbour		
8	Other, specify		

## NETWORK ROSTER CARD

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

### Crop Codes

#### Cereals/tubers/roots:

Maize.....11  
Paddy.....12  
Sorghum.....13  
Bulrush Millet...14  
Finger Millet....15  
Wheat.....16  
Barley.....17  
Cassava.....21  
Sweet Potatoes...22  
Irish potatoes...23  
Yams.....24  
Cocoyams.....25  
Onions.....26  
Ginger.....27

#### Legumes, Oil & fruit:

Beans.....31  
Cowpeas.....32  
Green gram.....33  
Chick peas.....35  
Bambara nuts....36  
Field peas.....37  
Sunflower.....41  
Sesame.....42  
Groundnut.....43  
Soyabeans.....47  
Caster seed.....48

#### Fruits:

Passion Fruit....70  
Banana.....71  
Avocado.....72  
Mango.....73  
Papaw.....74  
Orange.....76  
Grapefruit.....77  
Grapes.....78  
Mandarin.....79  
Guava.....80  
Plums.....81  
Apples.....82  
Pears.....83  
Peaches.....84  
Lime.....851  
Lemon.....852  
Pomelo.....68  
Jack fruit.....69  
Durian.....97  
Bilimbi.....98  
Rambutan.....99  
Bread fruit.....67  
Malay apple.....38  
Star fruit.....39  
Custard Apple....200  
God Fruit.....201  
Mitobo.....202  
Plum.....203  
Peaches.....204  
Pomegranate.....205  
Date.....210  
Tungamaa.....211  
Vanilla.....212

### Vegetables:

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

### Cash Crops:

Cotton.....50  
Tobacco.....51  
Pyrethrum.....52  
Jute.....62  
Seaweed.....19

### Permanent Cash crops:

Sisal.....53  
Coffee.....54  
Tea.....55  
Cocoa.....56  
Rubber.....57  
Wattle.....58  
Kapok.....59  
sugar Cane.....60  
Cardamom .....61  
Tamarind.....63  
Cinnamon.....64  
Nutmeg.....65  
Clove.....66  
Black Pepper....18  
Pigeon pea.....34  
Cassava.....21  
Pineapple.....75  
Palm Oil.....44  
Coconut.....45  
Cashew nut.....46  
Green Tomato....300  
Monkeybread....301  
Bamboo.....302  
Firewood/fodder..303  
Timber.....304  
Medicinal plant..305  
"Fence tree"....306  
other.....998

### CODES FOR Q2

RELATIVE.....1  
NEIGHBOR.....2  
FRIEND.....3  
MARKET.....4  
OPEN MARKET.....5  
COOPERATIVE UNION..6  
FARMERS PARTY.....7  
MAIN PLOT/FARM.....8  
PRIVATE BUSINESS  
PERSON.....9  
MAIN MARKET.....10  
BUSINESS CONTACT...11  
ABATTORI/FACTORY...12  
EMPLOYER.....13  
RELIGIOUS  
INSTITUTION.....14  
BANK (COMMERCIAL)..15  
GROCERY/LOCAL  
MERCHANT.....16  
MONEY LENDER.....17  
NGO.....18  
DISTRIBUTION  
OFFICER.....19  
OTHER, SPECIFY.....20

### CODES FOR Q3

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

### TIME FINISHED: