



Investing in rural people

Agricultural Sector Development Programme - Livestock (ASDP-L) and Agriculture  
Service Support Programme (ASSP)  
Impact Evaluation

## **Household Questionnaire**

November 2017

## ADMINISTRATIVE INFORMATION

<b>Questionnaire number:</b>	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div>					
<b>Time of interview:</b> <i>(24 hour clock)</i>	<b>Start</b>	<b>HH</b>	<b>MM</b>	<b>Stop</b>	<b>HH</b>	<b>MM</b>
		<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>		<div style="border: 1px solid black; width: 20px; height: 20px;"></div>	<div style="border: 1px solid black; width: 20px; height: 20px;"></div>
<b>Name of interviewer:</b>						
<b>Number of visits</b> <i>(max. of 3)</i>						
<b>Reason for call back</b>	<b>Number of visits</b>					
	<b>1</b>	<b>2</b>	<b>3</b>			
Refused to be interviewed		<b>1</b>	<b>1</b>			
Target respondent not at home/reachable		2	2			
Target respondent requested for a call back						
No one in the household		3	3			
Respondent not able to be interviewed due to medical reasons (very sick, dumb, etc.)		4	4			
No adult member in the household		5	5			
Language barrier		6	6			
Not applicable		99	99			
<b>Outcome of final visit</b>	<b>Successful</b>	<b>Incomplete</b>	<b>Replaced</b>			

Field quality control checks			
Activity	Activity undertaken by		
	Interviewer	Supervisor	RSA Field Manager
<b>Reviewed</b>			
<b>Accompanied</b>			
<b>Back checked</b>			
<b>Called back</b>			

## INFORMED CONSENT FOR WOMEN'S EMPOWERMENT IN AGRICULTURE INDEX

*Enumerator: Leave the printed consent form with the household.*

**Informed Consent:** Before beginning the interview, it is necessary to introduce the household to the survey and obtain their consent to participate. Make it clear to them that their participation in the survey is voluntary. Please read the following statement:

Thank you for the opportunity to speak with you. We are a research team from [XXXX] working in collaboration with [XXXX]. We are conducting a survey to learn about agriculture, food security and wellbeing of households in this area. You have been selected to participate in an interview which includes questions on topics such as your family background, dwelling characteristics, asset ownership and income earning activities. The survey includes both a section to be asked about the household generally, in addition to sections which will be asked to a primary adult male and female in your household if applicable. These questions in total will take approximately 4 hours to complete and your participation is entirely voluntary. Your answers will be completely confidential; we will not share information that identifies you with anyone. After entering the questionnaire into a data base, we will destroy all information such as your name which will link these responses to you.

We will also interview other households in your community and in other parts of Zanzibar. After we collect all the information we will use the data to make a study about how various programs can be most helpful to the people in this area. Do you have any questions about the study or what I have said? We will leave one copy of this form for you so that you will have record of this contact information and about the study.

*Please ask the participants (male and female) if they consent to the participation in the study (check one box):*

Participant 1: YES <input type="checkbox"/> NO <input type="checkbox"/>	Participant 2: YES <input type="checkbox"/> NO <input type="checkbox"/>
Participant 3: YES <input type="checkbox"/> NO <input type="checkbox"/>	

*I \_\_\_\_\_, the enumerator responsible for the interview taking place on \_\_\_\_\_, 2017 certify that I have read the above statement to the participant and they have consented to the interview. I pledge to conduct this interview as indicated on instructions and inform my supervisor of any problems encountered during the interview process.*

*If the household does not give consent to all of the data collection, stop the interview and inform your team leader. Team leaders will discuss the reason for this refusal and decide whether a partial data collection is possible for this household.*

## LISTING OF SURVEY MODULES

Household Level Questionnaire		Individual Level Questionnaire	
Module 1	Household Identification Cover Sheet	Module 4	Cognitive Skill
Module 2	Household Roster (Demographics)	Module 16	FFS
Module 3	Housing Characteristics	Module 17a	FFS Vegetables
Module 5	Assets	Module 15b	FFS Cassava
Module 6	Livestock	Module 15c	FFS Banana
Module 7	Agriculture	Module 15d	FFS Rice
Module 9.1	Off-Farm Employment	Module 15e	FFS Goat
Module 9.2	Self-employment	Module 15f	FFS Chicken
Module 10	Shocks and Resilience	Module 15g	FFS Cows
Module 11	Access to Assistance Programs	Module 18	FFS Spillovers
Module 12	Capacity-Building Support	Module 19	Women's Empowerment in Agriculture Index
Module 13	Food Consumption		
Module 14	Network		
Module 15	Market Access		

### Definition Of Household And Respondents (Required)

A household is a group of people who live together and take food from the “same pot.” In our survey, a household member is someone who has lived in the household at least 6 months, and at least half of the week in each week in those months. Even those persons who are not blood relations (such as servants, lodgers, or agricultural laborers) are members of the household if they have stayed in the household at least 3 months of the past 6 months and take food from the “same pot.” If someone stays in the same household but does not bear any costs for food or does not take food from the same pot, they are not considered household members. For example, if two brothers stay in the same house with their families but they do not share food costs and they cook separately, then they are considered two separate households. Generally, if one person stays more than 3 months out of the last 6 months outside the household, they are not considered household members. We do not include them even if other household members consider them as household members.

Exceptions to these rules should be made for:

Consider as household member:

- A newborn child less than 3 months old.
- Someone who has joined the household through marriage less than 3 months ago.
- Servants, lodgers, and agricultural laborers currently in the household and will be staying in the household for a longer period but arrived less than 3 months ago.

Do not consider as household member:

- A person who died very recently though stayed more than 3 months in last 6 months.
- Someone who has left the household through marriage less than 3 months ago.
- Servants, lodgers, and agricultural laborers who stayed more than 3 months in last 6 months but left permanently.

This definition of the household is very important. The criteria could be different from other studies you may be familiar with, but you should keep in mind that you should not include those people who do not meet these criteria. Please discuss any questions with your supervisor.

The **primary and secondary respondents** are those which are self-identified as the primary members responsible for the decision making, both social and economic, within the household. They are usually husband and wife, however can also be another member as long as there is one male and one female aged 18 and over. It may also be the case that there is only a primary respondent if that person is a female and there is no adult male present in the household.

## MODULE 1: HOUSEHOLD IDENTIFICATION COVER SHEET

Q101 District	Q102 Shehi a	Q103 Village	Q104 HH No.	Q1005 Household Location (GPS Coordinate)				Q106 Enumer .	Q107 Super. Code
				a. WP	b. Elevation	c. Latitude	d. Longitude		
Q108 Name of Self-identified Household Head and ID (from Module 2)				Q109 Name of FFS participant and ID (from Module 2) (Relevant only for households that are direct beneficiaries of FFS)				Q110 Date of survey dd/mm/year	
Q111 Primary Respondent Name and ID (from Module 2)				Q112 Secondary Respondent Name and ID (from Module 2)					
<p><b>Primary and secondary respondents</b> are those who self-identify as the primary male and female (or female only) members responsible for the decision making, both social and economic, within the household.</p> <p>In <b>Male and Female Adult Households</b>, they are usually the husband and wife; however they can also be other household members as long as they are aged 18 and over.</p> <p>In <b>Female Adult Only households</b>, there will only be a primary respondent -- the principal female decision-maker aged 18 or older.</p> <p><i>Primary and secondary respondents do not need to be noted for Male Adult Only and Child Only Households, and Module G WEAI should not be applied in Male Adult Only and Child Only Households.</i></p>									
<b>Q113 Household Type</b> Male and female adult - household contains at least one male and one female adult ≥ 18 years old ..... 1 Female adult only - household contains at least one female adult and no male adults ≥ 18 years old ..... 2 Male adult only - household contains at least one male adult and no female adults ≥ 18 years old ..... 3 Child only - household contains no adults ≥ 18 years old ..... 4									
<b>Q114 Beneficiary Status of the Household</b> <b>(To be filled by the enumerator himself)</b> Direct Beneficiary → Participating households in a FFS (Direct Treatment Households) ..... 1 → Ask question Q115 and Q117 Non-beneficiary → Households not affected by FFS ..... 2 → Ask question Q122.									
<b>Q115 Were you the one in the household who participated in the FFS (household head and FFS participant is the same member of the household)? (Relevant only for households that are direct beneficiaries of FFS)</b> Yes ..... 1 → Interview the household head for module 1 to 18. No ..... 2 → Interview the household head for module 1 to 3 and 5 to 15 and interview the FFS participant for module 4 and 16 to 18									
<b>Q116 How many FFS did the household participate in?</b> <b>Unit (count)</b> If the answer is 0, then end of the interview. We need to interview a household who participated in the FFS.									
<b>Q117 Did the household participate in at least one of the following FFS type: poultry, banana, cassava, vegetables, cow, goat, rice?</b> Yes ..... 1 No ..... 2 → End of the interview. We need to interview a household that participated in these types of FFS.									
<b>Q118 Did the household participate in additional FFS activity types other than poultry, banana, cassava, vegetables, cow, goat, rice?</b> Yes ..... 1 → Ask question Q119 No ..... 2									

<p><b>Q119 What was the additional FFS activity type that the household additionally attained?</b>  1=Bata, 2=Bee keeping, 3=Citrus, 4=Clove nursery, 5=Cocoyam, 6=Cowpeas, 7=Crabs farming, 8=Finger Millet, 9=Fish farming, 10=Forestry 11=Whisky pines, 12=Groundnuts, 13=Local goats, 14=Magimbi, 15=Maize, 16=Mangroove conservation, 17=Millet, 18=Pigeon peas, 19=Pineapples, 20=Sea weeds, 21=Sorghum, 22=Spices, 23=farming, 24Sunflower, 25=Sweet potatoes, 26=Tree Nursery, 27=Turmeric/ginger, 28=Yams</p>	
<p><b>Q120 Why did you or any other member of your household not attend a Farmer Field School?</b></p> <p style="text-align: right;">Select up to two</p> <p>1=None available, 2=Did not know it was happening in time to attend, 3=Travel too far / Expensive, 4=Already knew about topics covered,5=Not interested in topics covered, 6=Do not believe information given is reliable, 96=Other, please specify</p>	
<p><b>Q121 Does the household produce the following crops and livestock: banana, cassava, vegetables, rice, poultry, cow, goat?</b></p> <p>Yes ..... 1 → Ask question Q122  No..... 2</p>	
<p><b>Q122 If yes, Which crop or livestock did you produce? (Multiple answer allowed)</b></p> <p>1= Vegetables, 2= Cassava, 3= Goat, 4= Chicken, 5= Banana, 6= Rice, 7= Cow</p>	

## MODULE 2.1: HOUSEHOLD ROSTER (DEMOGRAPHICS)

HH Member ID	Name of Household Member	Age in completed years	Sex	Relationship to household head	Disability	Years of education completed	Marital status	If married, when did [NAME] get married?	If divorced or separated, when did [NAME] get divorced or separated?	If divorced or separated, what was the reasons for the divorce or separation of [NAME]?	Primary Occupation now	Secondary occupation now	Primary Occupation 10 years ago	Secondary occupation 10 years ago	Ethnicity	Religion		
						For ages above 5					For ages above 10							
	(Start with household head)	Enter '0' for < 1 year	0= Female 1= Male	Enter codes from list	Enter codes from list	Enter codes from list	Enter codes from list	Year	Year	1=Migration 2=Adultery 3=Health reasons 5=FFS participation related reasons 96=Other, please specify	Enter codes from list	Enter codes from list	Enter codes from list	Enter codes from list	Enter codes from list	Enter codes from list		
Q2101	Q2102	Q2103	Q2104	Q2105	Q2106	Q2107	Q2108	Q2109	Q2110	Q2111	Q2112	Q2113	Q2112a	Q2113a	Q2114	Q2115		
02																		
03																		
04																		
05																		
06																		
07																		
08																		
09																		

Q2105		Q2106		Q2107		Q2112/Q2113	
Relationship with household head		Disability		Education		Occupation	
1=	Head	0=	None	0=	Never attended school	1=	Engaged in farming (unpaid work on own farm)
2=	Spouse	1=	Partial visual impairment	1=	Primary school incomplete	2=	Large livestock raising (cattle, donkeys)
3=	Son/daughter of head and spouse	2=	Total visual impairment	2=	Attending primary school	3=	Small livestock raising (sheep, goats, pigs)
4=	Son /daughter of head	3=	Partial hearing impairment	3=	Primary school complete	4=	Poultry and other small animals raising
5=	Son/daughter of spouse	4=	Total hearing impairment	4=	Secondary school incomplete	5=	Fishing and aquaculture
6=	Mother/father of head/ spouse	5=	Mobility and orthopedic impairment	5=	Attending secondary school	6=	Non-farm self-employed (Trading/business)
7=	Sister/brother of head/spouse	96=	Other, please specify	6=	D6Secondary school complete	7=	Casual off-farm labour in agriculture (paid)
8=	Foster child			7=	University student	8=	Casual labour in non-agriculture (paid)
9=	God child			8=	University graduate	9=	Permanently employed in agriculture (paid)
10=	Grandchild			96=	Other, please specify	10=	Permanently employed in non-agriculture (paid)
11=	Other relatives					11=	Civil service/Government official
12=	Non-relatives	Q2112		Q2113		12=	Chief/village elder or leader
		Ethnicity		Religion		13=	domestic/housewife (unpaid)
Q2108		1=	Hadimu	1=	Orthodox	14=	Student
Marital status		2=	Tumbatu	2=	Protestant	15=	Unemployed
1=	Never married	3=	Arab	3=	Catholic	16=	Unable to work due to illness/ disability
2=	Married (monogamous)	4 =	Persian	4=	Muslim	17=	Retired/elderly
3=	Married (polygamous)	5=	Sukuma	5=	Hindu	18=	No secondary occupation (only for Q2113)
4=	Divorced	6=	Haya	6=	Traditional worship	96=	Other, please specify
5=	Separated	7=	Nyakyusa	7=	Pagan worship		
6=	Widowed	8=	Nyamwezi	96=	Other, please specify		
96=	Other, please specify	9=	Chaga				
		10=	Shirazi				
		11=	Zaramo				
		12=	Makonde				
		96=	Other, please specify				



## MODULE 2.2: HOUSEHOLD ROSTER (Education)

NOTE TO ENUMERATOR: Ask only if individual is >=5 years												
Q2201	How many children currently go to school? (If 0, >> Q301)											
Q2202	How many children go to residential school?											
Q2203	Primarily, In this household who decides whether or not a child goes to school? Enter codes from list											
Member ID	[Copy the Names of the members from the Household Roster in the same order]  <b>Name [FIRST, LAST NAME]</b>	Can [Name] write and/or read in any language?  <b>0 = No 1 = Yes, Read only 2 = Yes, Write only 3= Yes, Read and Write</b>	Has [Name] ever attended school (Including adult education, vocational, or technical)?  <b>1 =Yes 2 = No &gt;&gt; Next member</b>	What is the highest education level [NAME] completed ?  <b>Enter codes from list</b>	Is [Name] currently attending school? (Don't include adult education, vocational, technical)  <b>1 = Yes 2 = No &gt;&gt; Next member (The last member skips to next section)</b>	In the past 12 months, how many days was [Name] absent from school?  <b>If 0 &gt;&gt; Q2212</b>	Why was [Name] absent from school? (Main reason)  <b>Enter codes from list</b>	How much was spent on [Name's] education in the last 12 months? (Ask this only if <b>Q2209=1</b> )				Primarily, who decides how much to invest in NAME's education?
Q2204	Q2205	Q2206	Q2207	Q2208	Q2209	Q2210	Q2211	Q2212	Q2213	Q2214	Q2215	Q2216
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

Q2208	Q2211	Q2216
0= Studying class1/pre-school	1= Sickness	1=Household Head
1= Completed class 1	2= Needed to help in household activities	2=Spouse of the head
2= Completed class 2	3= Needed to participate in wage labor	3= Head and the spouse jointly
3= Completed class 3	4= Could not afford expenses	4=Other adult male (s)
4= Completed class 4	5= School too far	5=Other adult female (s)
5= Completed class 5	6= Not interested	6=Other Male and other female jointly
6= Completed class 6	7= School closed	96=Other, please specify
7= Completed class 7	96= Other, please specify	
8= Completed class 8		
9= Completed class 9		
10= Completed class 10		
11= Completed class 11		
12= Completed class 12		
13=Completed Form 6		
14= BA/BS or equivalent (Incomplete)		
15= BA/BS or equivalent (Complete)		
16= Post-graduate or equivalent		
17= Vocational/Technical		
18= Adult education		
99= Never attended school		

### MODULE 3: HOUSING CHARACTERISTICS

Q3001	How long has the household been living in your main dwelling?	[...] Years  Minimum 0.
Q3002a	In what circumstance does the household live in your main dwelling?	1= Owned, 2= Free of rent, 3= Rented, 96= Other , please specify
Q3002b	In what circumstance did the household live in the main dwelling <u>10 years ago</u> ?	1= Owned, 2= Free of rent, 3= Rented, 96= Other , please specify
Q3003a	What is the main construction material of the walls of your main dwelling unit?	1= Corrugated iron, 2= Cement, 3= Thatch, 4= Wood/ mud, 5= Reed/bamboo, 6= Plastic sheeting, 7= Cloth, 8= Asbestos, 9= Bricks, 96= Other, please
Q3003b	What was the main construction material of the walls of your main dwelling unit <u>10 years ago</u> ?	1= Corrugated iron, 2= Cement, 3= Thatch, 4= Wood/ mud, 5= Reed/bamboo, 6= Plastic sheeting, 7= Cloth, 8= Asbestos, 9= Bricks, 96= Other, please
Q3004a	What is the main material used to construct the roof of your main dwelling?	1= Corrugated iron, 2= Cement, 3= Thatch, 4= Wood/ mud, 5= Reed/bamboo, 6= Plastic sheeting, 7= Cloth, 8= Asbestos, 9= Bricks, 96= Other, please specify
Q3004b	What was the main material used to construct the roof of your main dwelling <u>10 years ago</u> ?	1= Corrugated iron, 2= Cement, 3= Thatch, 4= Wood/ mud, 5= Reed/bamboo, 6= Plastic sheeting, 7= Cloth, 8= Asbestos, 9= Bricks, 96= Other, please specify
Q3005a	What is the main material used to construct the floor of your main dwelling?	1= Mud/dung, 2= Reed/bamboo, 3= Wood, 4= Cement, 5= Plastic sheeting, 6= Brick tiles, 7= Ceramic/marble tiles, 96= Other, please specify
Q3005b	What was the main material used to construct the floor of your main dwelling <u>10 years ago</u> ?	1= Mud/dung, 2= Reed/bamboo, 3= Wood, 4= Cement, 5= Plastic sheeting, 6= Brick tiles, 7= Ceramic/marble tiles, 96= Other, please specify
Q3006a	What type of kitchen does your main dwelling have?	1= No kitchen, 2= Traditional kitchen – outside, 3= Traditional kitchen – inside, 4= Modern kitchen – outside, 5= Modern kitchen – inside, 96= Other, please specify
Q3006b	What type of kitchen did your main dwelling have <u>10 years ago</u> ?	1= No kitchen, 2= Traditional kitchen – outside, 3= Traditional kitchen – inside, 4= Modern kitchen – outside, 5= Modern kitchen – inside, 96= Other, please specify
Q3007a	How many rooms does your main dwelling have?	[...] Number of rooms  Minimum1.
Q3007b	How many rooms did your main dwelling have <u>10 years ago</u> ?	[...] Number of rooms  Minimum1.
Q3008a	What is the total size of the household?	Sq. meters
Q3008b	What was the total size of the household <u>10 years ago</u> ?	Sq. meters
Q3009a	What type is the bathing facility that people in your main dwelling mainly use throughout the year?	1= Tub – private, 2= Tub – shared, 3= Shower – private, 4= Shower – shared, 5= Room for shower – private, 6= Room for shower – shared, 7= No fixed location for bathing, 96= Other, please specify

<b>Q3009b</b>	What type was the bathing facility that people in your main dwelling mainly used <u>10 years ago</u> ?	<b>1= Tub – private, 2= Tub – shared, 3= Shower – private, 4= Shower – shared, 5= Room for shower – private, 6= Room for shower – shared, 7= No fixed location for bathing, 96= Other, please specify</b>
<b>Q3010a</b>	What type is the toilet facility that people in your main dwelling mainly use?	<b>1= Flush toilet - private, 2= Flush toilet - shared, 3= Pit - private, 4= Pit – shared, 5= Bucket, 6= Field/forest, 96= Other, please specify</b>
<b>Q3010b</b>	What type was the toilet facility that people in your main dwelling mainly use <u>10 years ago</u> ?	<b>1= Flush toilet - private, 2= Flush toilet - shared, 3= Pit - private, 4= Pit – shared, 5= Bucket, 6= Field/forest, 96= Other, please specify</b>
<b>Q3011a</b>	What is the distance from your household to the nearest toilet facility?	<b>Meters Minimum 0.</b>
<b>Q3011b</b>	What was the distance from your household to the nearest toilet facility <u>10 years ago</u> ?	<b>Meters Minimum 0.</b>
<b>Q3012a</b>	How long does it take to travel from your household to the nearest toilet facility (round trip, waiting time included)?	<b>Minutes Minimum 0.</b>
<b>Q3012b</b>	How long did it take to travel from your household to the nearest toilet facility (round trip, waiting time included) <u>10 years ago</u> ?	<b>Minutes Minimum 0.</b>
<b>Q3013a</b>	What type of solid waste disposal facility does your main dwelling mainly use?	<b>1= Waste disposal container/vehicle, 2= Dug-out, 3= Throw away, 4= Use as fertilizer, 5= Burning the waste, 6= Public (community) dump, 96= Other, please specify</b>
<b>Q3013b</b>	What type of solid waste disposal facility did your main dwelling mainly use <u>10 years ago</u> ?	<b>1= Waste disposal container/vehicle, 2= Dug-out, 3= Throw away, 4= Use as fertilizer, 5= Burning the waste, 6= Public (community) dump, 96= Other, please specify</b>
<b>Q3014a</b>	What is the main source of lighting that your main dwelling use?	<b>1= Electric meter, 2= Electric generator, 3= Solar energy, 4= Biogas, 5= Electric battery, 6= Lantern, 7= Light from dry cell with switch, 8= Imported kerosene lamp, 9= Traditional kerosene lamp, 10= Candle/wax, 11= Firewood, 96= Other, please specify</b>
<b>Q3014b</b>	What was the main source of lighting that your main dwelling used <u>10 years ago</u> ?	<b>1= Electric meter, 2= Electric generator, 3= Solar energy, 4= Biogas, 5= Electric battery, 6= Lantern, 7= Light from dry cell with switch, 8= Imported kerosene lamp, 9= Traditional kerosene lamp, 10= Candle/wax, 11= Firewood, 96= Other, please specify</b>
<b>Q3015a</b>	What is the main source of cooking fuel that your main dwelling use?	<b>1= Firewood, 2= Charcoal, 3= Crop residue/leaves, 4= Manure, 5= Saw dust, 6= Kerosene, 7= Butane gas, 8= Electricity, 9= Solar energy, 10= Biogas, 11= Nothing, 96= Other, please specify</b>
<b>Q3015b</b>	What was the main source of cooking fuel that your main dwelling used <u>10 years ago</u> ?	<b>1= Firewood, 2= Charcoal, 3= Crop residue/leaves, 4= Manure, 5= Saw dust, 6= Kerosene, 7= Butane gas, 8= Electricity, 9= Solar energy, 10= Biogas, 11= Nothing, 96= Other, please specify</b>
<b>Q3016a</b>	What is the main source of drinking water for the household during the long rainy season? (record the most important source)	<b>1= Pond, 2= Hand dug well, 3= Shallow tube well, 4= Deep tube well, 5= Borehole, 6= Excavated water reservoir, 7= River, 8= Water trucked to settlements with permanent water source, 9= Pipe/tap water, 10= Spring water, 11= Bottled water, 96= Other, please specify</b>

<b>Q3016b</b>	What was the main source of drinking water for the household during the long rainy season <u>10 years ago</u> ? (record the most important source)	<b>1= Pond, 2= Hand dug well, 3= Shallow tube well, 4= Deep tube well, 5= Borehole, 6= Excavated water reservoir, 7= River, 8= Water trucked to settlements with permanent water source, 9= Pipe/tap water, 10= Spring water, 11= Bottled water, 96= Other, please specify</b>
<b>Q3017a</b>	How long does it take you to fetch drinking water from the source during the long rainy season (round trip, waiting time included)?	<b>[...] Minutes (record 0 if drinking water comes directly into the house) Minimum 0.</b>
<b>Q3017b</b>	How long did it take you to fetch drinking water from the source during the long rainy season (round trip, waiting time included) <u>10 years ago</u> ?	<b>[...] Minutes (record 0 if drinking water comes directly into the house) Minimum 0.</b>
<b>Q3018a</b>	What is the main source of drinking water for the household during the short rainy season? (record the most important source)	<b>1= Pond, 2= Hand dug well, 3= Shallow tube well, 4= Deep tube well, 5= Borehole, 6= Excavated water reservoir, 7= River, 8= Water trucked to settlements with permanent water source, 9= Pipe/tap water, 10= Spring water, 11= Bottled water, 96= Other, please specify</b>
<b>Q3018b</b>	What was the main source of drinking water for the household during the short rainy season <u>10 years ago</u> ? (record the most important source)	<b>1= Pond, 2= Hand dug well, 3= Shallow tube well, 4= Deep tube well, 5= Borehole, 6= Excavated water reservoir, 7= River, 8= Water trucked to settlements with permanent water source, 9= Pipe/tap water, 10= Spring water, 11= Bottled water, 96= Other, please specify</b>
<b>Q3019a</b>	How long does it take you to fetch drinking water from the source during the short rainy season (round trip, waiting time included)?	<b>[...] Minutes (record 0 if drinking water comes directly into the house) Minimum 0.</b>
<b>Q3019b</b>	How long did it take you to fetch drinking water from the source during the short rainy season (round trip, waiting time included) <u>10 years ago</u> ?	<b>[...] Minutes (record 0 if drinking water comes directly into the house) Minimum 0.</b>

**Long rainy (Masika): February to August.**

**Short rainy (Vuli): October to February.**

## MODULE 5.1: DURABLE ASSETS

Do you currently own any of the following items? <b>1= Yes</b> <b>2=No &gt;&gt; Next item</b>	Number owned <b>currently</b>  <b>Number</b> <b>Minimum 0.</b>	Number owned <b>10 years ago</b>  <b>Number</b>	Estimated current value of asset (current) on average  <b>Per Unit, [...] Tshs</b> <b>Minimum 0.</b>
<b>Q5101</b>	<b>Q5102</b>	<b>Q5103</b>	<b>Q5104</b>
1. Kerosene stove			
2. Cylinder gas stove			
3. Electric stove			
4. Blanket			
5. Mattress and/or bed			
6. Wrist watch/clock			
7. Fixed line phone			
8. Mobile phone			
9. Radio/tape recorder			
10. Television			
11. CD/VCD/DVD/video deck			
12. Satellite dish			
13. Sofa set			
14. Bicycle			
15. Motorcycle			
16. Cart (hand pushed or animal drawn)			
17. Sewing machine			
18. Weaving equipment			
19. Energy saving stove			
20. Refrigerator			
21. Private car			
22. Gold/silver (in grams)			
23. Wardrobe			
24. Biogas stove (pit)			
25. Water storage pit			
26. Chairs			
27. Tables			
28. Lanterns			
29. Computer			
30. Cooking pots, Cups, other kitchen utensils			
31. Mosquito net			
32. Iron (Charcoal or electric)			
33. Books (not school books)			
34. Fan/Airconditioner			
35. Dish antena/decoder			
36. Boat/canoe			

## MODULE 5.2: PRODUCTIVE ASSETS

Do you currently own any of the following items?  1= Yes 2=No >> Next item	Number owned currently  Number Minimum 0.	Number owned 10 years ago  Number Minimum 0.	Estimated current value of asset (current) on average  Per Unit, [...] Tshs Minimum 0.
Q5201	Q5202	Q5203	Q5204
1. Hand hoe			
2. Hand-powered sprayer			
3. Spraying machine			
4. Ox plough			
5. Ox seed planter			
6. Ox cart			
7. Tractor			
8. Sheller/thresher			
9. Hand mill/grinder			
10. Milking machine			
11. Harvesting and threshing machine			
12. Hand milling machine			
13. Reapers			
14. Watering can			
15. Water pumping set			
16. Farm building/storage facilities			
17. Geri cans/drums			
18. Coffee pulping machine			
19. Fertilizer distributor			
20. Other, specify			

## MODULE 6.1: LIVESTOCK (OWNERSHIP AND DECISION MAKING)

Type of livestock	How many [livestock] does the household own and are present on farm now?	How many [livestock] did the household own 10 years ago?	Who in the household owns the [livestock]?			How many of the [livestock] is owned by [HH memberID]?			Who in the household takes care of the [livestock]?			Total born in the last 12 months	Out of this quantity in Q6101, how many are an improved breeds?	Out of this quantity in Q6101, how many are an exotic breeds?	Estimated current value of livestock (current) on average
1= Yes 2=No >> Next item	Quant. (count)  Minimum 0.	Quant. (count)  Minimum 0.	[If HH member, list IDs, with primary owner first. If outside individual enter code from list]			Quant. (count)			[If HH member, list IDs, with primary owner first. If outside individual enter code from list]			Quant. (count)  Minimum 0.	Quant. (count)  Minimum 0.	Quant. (count)  Minimum 0.	Per Unit, [...] Tshs  Minimum 0.
Q6000	Q6101	Q6101a	Q6102a	Q6102b	Q6102c	Q6102d	Q6102e	Q6102f	Q6103a	Q6103b	Q6103c	Q6104	Q6105	Q6106	Q6107
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. Donkeys															
14. Dogs															
96. Other, specify															

Q6102/ Q6103 Decision making
29= Household jointly, 30= Outside household male, 31= Outside household female, 32= Government or other institution, 98= Not applicable



## MODULE 6.1: LIVESTOCK (PURCHASE AND DECISION MAKING)

Type of livestock  1= Yes 2=No >> Next item	Has anyone in the household purchased any [livestock] in the last 12 months?		Who in the household decided to buy the [livestock]?			Main point of purchase	Total travel time to point of purchase	Is this market seasonal?
	Quantity (count)  Minimum 0.	Total value (all bought in Tshs)  Minimum 0	[If HH member, list IDs, with primary decision maker first. If outside individual enter code from list]			Enter code from list	[...] Return trip, mins.  Minimum 0.	1= Yes 2=No
Q6000	Q6108a	Q6108b	Q6109a	Q6109b	Q6109c	Q6110	Q6111	Q6112
15. Bulls								
16. Cows								
17. Steers								
18. Heifers								
19. Male calves								
20. Female calves								
21. Goats								
22. Sheep								
23. Pigs								
24. Chickens								
25. Turkeys								
26. Rabbits								
27. Donkeys								
28. Dogs								
97. Other, specify								

Q6110
1= On farm, 2= This village, 3= Another village in this shehia, 4= Another village outside this shehia, 5= Local market town in this shehia, 6= Local market town outside this shehia, 7= District market, 8= Regional center (Muana Kwerekwe/ Darajani), 9= Zanzibar Town, 96= Other, please specify

Q6109 Decision making
29= Household jointly, 30= Outside household male, 31= Outside household female, 32= Government or other institution, 98= Not applicable

## MODULE 6.1: LIVESTOCK (SALES)

Type of livestock <b>1= Yes 2=No &gt;&gt; Next item</b>	Has the household sold any of these [livestock] in the last 12 months?		Who in the household decided to sell [livestock]?			Who controls the money from the sale of the [livestock] ?			Main point of sale	Total travel time to point of sale	Is this market seasonal?
	Quantity (count)  Minimum 0.  If 0, skip to next item.	Total value (all sold)  Minimum 0.	[If HH member, list IDs, with primary decision maker first. If outside individual enter code from list]			[If HH member, list IDs, with primary decision maker first. If outside individual enter code from list]			Enter code from list	[...] One way trip, mins.  Minimum 0.	1= Yes 2=No
Q6000	Q6113a	Q6113b	Q6114a	Q6114b	Q6114c	Q6115a	Q6115b	Q6115c	Q6116	Q6117	Q6118
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. Donkeys											
14. Dogs											
96. Other, specify											

<b>Q6116</b> 1= On farm, 2= This village, 3= Another village in this shehia, 4= Another village outside this shehia, 5= Local market town in this shehia, 6= Local market town outside this shehia, 7= District market, 8= Regional center (Muana Kwerekwe/ Darajani), 9= Zanzibar Town, 96= Other, please specify	<b>Q6114/ Q6115 Decision making</b> 29= Household jointly, 30= Outside household male, 31= Outside household female, 32= Government or other institution, 98= Not applicable
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## MODULE 6.1: LIVESTOCK (HEALTH)

Type of livestock  <b>1= Yes 2=No &gt;&gt; Next item</b>	How many animals have die from sicknesses over the last 12 months?          <b>Number (count)</b>  <b>If 0, move to next item</b>          <b>Minimum 0.</b>	What sickness affected over the last 12 months?          <b>Enter codes from list</b>	How much did your household spend on vaccines for .... in the last 12 months?          <b>TSH</b>  <b>Minimum 0.</b>	How much did your household spend on veterinary services for .... in the last 12 months?          <b>TSH</b>  <b>Minimum 0.</b>	Has the household received subsidy for animal vaccines or veterinary services from IFADs Agricultural Sector Development Programme - Livestock (ASDP-L) and Agriculture Service Support Programme (ASSP)?          <b>1= Yes 2=No</b>
<b>Q6000</b>	<b>Q6119</b>	<b>Q6120</b>	<b>Q6121</b>	<b>Q6122</b>	<b>Q6123</b>
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. Donkeys					
14. Dogs					
96. Other, specify					

<b>Q6120</b>
1= pneumonia, 2=worm infestation , 3= bloody diarrhea disease, 4= mahepe/kideli/gombolo (herpes virus), 5= small pox (variola), 6= discuose fever (DCF), 7= foot and mouse disease, 8= lapas, 9= plasmiosis, 10= diseases from ticks or bucks, 99= Other, please specify

<b>Q6124</b>	Which animal services are available for your livestock in this shehia?	<b>1= Vaccination, dipping inoculation</b> <b>2=Treatment for diseases</b> <b>3=Animal de-worming</b> <b>4 Breeding services</b> <b>5=Commercial feed supply</b> <b>6=Veterinary store with vaccines</b> <b>7=Veterinary store with de-worming supplies</b> <b>8=Veterinary store with antibiotics</b> <b>9=Veterinary store with salt licks/mineral supplements</b>
<b>Q6125</b>	Was there a time in the last 12 months when you needed any of these animal services for your livestock but were not able to get them?	<b>2=No&gt;&gt;skip to next module</b> <b>1=Yes</b>
<b>Q6126</b>	If yes, why were you not able to get the animal services that you needed? (Multiple responses possible)	<b>1=No veterinary center</b> <b>2=No staff in the center</b> <b>3=Veterinary center was far away</b> <b>4=Veterinary center was destroyed/burnt</b> <b>5=Security problems</b> <b>6=No transportation</b> <b>7=No road/road condition poor</b> <b>8=No veterinary store</b> <b>9=Veterinary store did not have supplies needed</b> <b>10= No money to pay for what I needed</b> <b>96=Others, please specify</b>
<b>Q6127</b>	What other strategies do you use to control livestock pests and diseases?	<b>1=Biological control</b> e.g paracitic wasps and nematode-trapping fungi <b>2=Cultural pest control</b> e.g maintaining overall good health of the animals, providing a well balanced diet to the animals at consistent intervals and in appropriate portions, providing adequate ventilation for animals kept indoors, Providing shelter for animals kept outdoors, <b>3=Mechanical control</b> e.g using trapping rodents and grooming combs, brushes and flea combs with closely spaced teeth to monitor for insects and ticks <b>4=Physical control</b> e.g sticky fly paper, separating sick animals from healthy animals and <b>5=Sanitation</b> e.g keeping the barnyards, stables, kennels, exercise areas and surrounding areas as clean as possible <b>6=Quarantines</b> e.g isolating new animals to observe it for a period of time to confirm that it is pest free before grouping it with other animals <b>96=Others, please specify</b>

## MODULE 6.1: LIVESTOCK (INPUTS)

Type of livestock	How much did your household purchase feed for .... over the last 12 months?	How long in minutes walking do you travel to get fodder/pasture for your livestock?		How many days of household labour were allocated to maintaining .... over the last 12 months?	Has the household hired any labourers to maintaining .... over the last 12 months?	How many labourers did the household hire to maintain ... over the last 12 months?	How much has the household spent on wages of these labourers hired to take care of .... over the last 12 months?		Where do you get the water for your animals?	Do you use this animal to supply manure?
1= Yes 2=No >> Next item	TSH  Minimum 0.	Hours And minutes  Round trip		Days  Minimum 0.	1= Yes 2=No >> skip Q6132	Number of labourers  Minimum 0.	If in-kind Convert to TSH  Minimum 0.	In cash TSH  Minimum 0.	1=River. 2=Stream, 3=Spring, 4=Pond, 5=Borehole well, 6=Hand dug well, 7=Delivered by water tanker 8=Others, please specify	1= Yes 2=No
Q6000	Q6128	Q6129a	Q6129b	Q6130	Q6131	Q6132	Q6133a	Q6133b	Q6134a	Q6134b
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. Donkeys										
14. Dogs										
96. Other, specify										

## MODULE 6.2: LIVESTOCK (INCOME)


During the past 12 months, did you make any income from selling any of the following items?  <b>1= Yes 2=No &gt;&gt; Next item</b>	How much did you sell of this product?  <b>Quantity (count)</b>  <b>Minimum 0.</b>		<b>Unit</b>  1=kg, 2=liter, 3=milliliters, 96= other, specify	<b>Total revenue</b>  [...] Tshs  <b>Minimum 0.</b>	Who controls the money from the sale of the [livestock] products?  <b>[If HH member, list IDs, with primary decision maker first. If outside individual enter code from list]</b>			<b>Main point of sale</b>  See code	<b>Total travel time to point of sale</b>  [...] <b>One way trip to the sale point, in minutes .</b>  <b>Minimum 0.</b>	<b>Is this market seasonal?</b>  1= Yes 2=No
<b>Q6200</b>	<b>Q6201a</b>	<b>Q6201b</b>	<b>Q6203c</b>	<b>Q6204a</b>	<b>Q6204b</b>	<b>Q6204c</b>	<b>Q6205</b>	<b>Q6206</b>	<b>Q6207</b>	
1. Cow milk (traditional)										
2. Cow milk (improved)										
3. Chicken eggs (traditional)										
4. Chicken eggs (improved)										
5. Ghee/butter										
6. Cheese/yogurt										
7. Honey										
8. Skins and hides										
9. Manure										
96. Other, specify										

<p><b>Q6204</b> <b>Decision making</b></p> <p>29= Household jointly, 30= Outside household male, 31= Outside household female, 32= Government or other institution, 98= Not applicable</p>
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## MODULE 7.1: MAP OF LAND AREA (PRINTED OUT FOR THE RESPONDENT TO SKETCH)

NOTE TO ENUMERATOR: In the space below, ask the respondent sketch out all the parcels he owns, rents, or sharecrops, and cultivated on **during the past 12 months**, how those parcels are shaped, the relative size of those parcels, where they are relative to the household, and approximate distance in minutes (return trip) to the household. Also, ask the respondent clearly indicate any key landmarks (e.g., roads, rivers, wells, caves, markets, religious shrines etc.) located near each parcel. All parcels should be numbered. A parcel is defined as a contiguous piece of land. Sharecropping is a system of agriculture in which a household who owns land allows another household to use the land for agricultural production in return for a given share of the crops produced on the land.

Parcel and Plot Map and Parcel Roster

	North	
West		East
	South	

Cultivating season	Parcel	Plot	Crop
MASIKA SEASON			
VULI SEASON			
MULTI-SEASON			



## MODULE 7.2: DETAILS OF LAND AREA: PARCEL ROSTER

Q7201: How many parcels did the household cultivate on or have access to, even if they did not cultivate in the last 12 months? \_\_\_\_\_

A PARCEL IS A CONTINUOUS PIECE OF LAND THAT IS NOT DIVIDED BY A PATH > 1

METER WIDE

Parcel id		Parcel Area		GPS			Parcel tenure		Renting in			
Numerical roster whose size is defined by the number of parcels identified in Q7201	What is the name of the parcel?  USE A SHORT DESCRIPTIVE PHRASE THAT WILL HELP THE RESPONDENT REMEMBER THE PARCEL BEING DISCUSSED.	What is the area of [PARCEL NAME]?  Unit Codes 1=Hectare 2= Sq Meter 3=Acre 4=Other, Specify		GPS area of [PARCEL NAME]	GPS coordinates from where [PARCEL NAME] area measurement started.		How did your household acquire [PARCEL NAME]?  1=Inherited 2=Purchased or leased 3=Granted / Allocated by Government 4=Granted / Allocated by Local Leader 5=Rented in 6=Share-cropped 7=Borrowed for Free 8=Cleared and occupied 9=Other, Specify	What document do you have to show how you acquired [PARCEL NAME]?  1=None 2=Title/Deed issued by government 3=Certificate issued by non-government 4=Rental Agreement 5=Other, specify	How much did you pay to rent [PARCEL NAME] in the last 12 months?  QUESTIONS ARE ONLY ACTIVE IF Q7205=5, 6  Cash [Tshs]  Value of in-kind payments  EXCLUDE PAYMENTS MADE WITH CROPS HARVESTED FROM [PARCEL NAME]	Who in the household owns [PARCEL NAME]?  <i>List up to two. If more than two, list the most important two.</i>  QUESTION IS ONLY ACTIVE IF Q7205= 1-4, 8, 9  Members from roster		
	Quantity	Unit	Hectares	Latitude	Longitude							
Q7202	Q7203	Q7204a	Q7204b	Q7204c	Q7204d	Q7204e	Q7205	Q7206	Q7207a	Q7207b	Q7208a	Q7208b
1												
2												
3												

## MODULE 7.2: DETAILS OF LAND AREA: PARCEL ROSTER

Parcel id		Plot Roster Season 1		Plot Roster Season 2						
			plotid1	PLOT NAME 1		plotid2	PLOT NAME 2			
Numerical roster whose size is defined by the number of parcels identified in Q7201	What is the name of the parcel?	For [PARCEL NAME], how many plots did the household cultivate on or have access to even if they did not cultivate in the period between [February and August 2017] [MASIKA]?	Numerical roster whose size is defined by the number of plots identified in Q7209	Plot name for each plot on [PARCEL NAME] that the household cultivated or had access to in the period between [February and August 2017] [MASIKA]?	For [PARCEL NAME], how many plots did the household cultivate on or have access to even if they did not cultivate in the period between [October 2016 and February 2017] [VULI]?	Numerical roster whose size is defined by the number of plots identified in Q7212	Plot name for each plot on [PARCEL NAME] that the household cultivated or had access to in the period between [October 2016 and February 2017] [VULI]?			
	USE A SHORT DESCRIPTIVE PHRASE THAT WILL HELP THE RESPONDENT REMEMBER THE PARCEL BEING DISCUSSED.	A PLOT IS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE CROP OR MIXTURE OF CROPS IS GROWN UNDER A UNIFORM, CONSISTENT CROP MANAGEMENT SYSTEM		USE A SHORT DESCRIPTIVE PHRASE THAT WILL HELP THE RESPONDENT REMEMBER THE PLOT BEING DISCUSSED.	A PLOT IS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE CROP OR MIXTURE OF CROPS IS GROWN UNDER A UNIFORM, CONSISTENT CROP MANAGEMENT SYSTEM		USE A SHORT DESCRIPTIVE PHRASE THAT WILL HELP THE RESPONDENT REMEMBER THE PLOT BEING DISCUSSED.			
	<b>Q7202</b>	<b>Q7203</b>		<b>Q7209</b>	<b>Q7210</b>		<b>Q7211</b>	<b>Q7212</b>	<b>Q7213</b>	<b>Q7214</b>
	1									
2										
3										

## MODULE 7.2: DETAILS OF LAND AREA: PARCEL ROSTER (Tree/Permanent Crop Plot Roster)

		plotid TP	PLOT NAME TP
For [PARCEL NAME], did you harvest any tree crops or other multiple-season crops such as cassava in the last 12 months?  1=Yes 2=No - NEXT PARCEL	For [PARCEL NAME], how many plots did the household harvest tree crops or other multiple-season crops in the last 12 months?  INCLUDE AS A PLOT IF CROP(S) ARE DISBURSED THROUGHOUT [PARCEL NAME], OR INTERCROPPED WITH SINGLE-SEASON CROPS A PLOT IS A CONTINUOUS PIECE OF LAND ON WHICH A UNIQUE CROP OR MIXTURE OF CROPS IS GROWN UNDER A UNIFORM, CONSISTENT CROP MANAGEMENT SYSTEM	Numerical roster whose size is defined by the number of plots identified in Q7225	Plot name for each plot on [PARCEL NAME] that the household harvested tree crops or other multiple-season crops from in the last 12 months.  USE A SHORT DESCRIPTIVE PHRASE THAT WILL HELP THE RESPONDENT REMEMBER THE PLOT BEING DISCUSSED.
<b>Q7224</b>	<b>Q7225</b>	<b>Q7226</b>	<b>Q7227</b>

## MODULE 7.3: DETAILS OF LAND AREA: PLOT ROSTER

Season id	Plot id [season id]	Plot Area		Plot Characteristics									
<p>IF PLOT WAS CULTIVATED IN MORE THAN ONE SEASON, AS IDENTIFIED IN PLOT LINK YN? _, SKIP ALL BUT Q7302FOR ALL BUT FIRST INSTANCE.</p>		<p>What is the area of [PLOT NAME [seasonid]]?</p> <p>Unit Codes 1=Hectare 2=Sq Meter 3=Acre 4=Other, Specify</p>		<p>How long does it take to travel to [PLOT NAME [seasonid]] during [SEASON] ?</p> <p><i>One-way trip by usual method of transport.</i></p> <p>Minutes</p>	<p>What is the color of the soil of [PLOT NAME [seasonid]]?</p> <p>1=Black 2=Red 3=White/Light 4=Yellow 5=Other, Specify</p>	<p>What is the texture of the soil of [PLOT NAME [seasonid]] ?</p> <p>1=Very Fine 2=Fine 3=Between Coarse and Fine 4=Coarse 5=Very Coarse</p>	<p>What is the extent of erosion on [PLOT NAME [seasonid]]?</p> <p>READ ANSWERS</p> <p>1=None 2=Mild 3=Moderate 4=Severe</p>	<p>What erosion structures are on [PLOT NAME [seasonid]] currently?</p> <p>READ ANSWERS</p> <p><i>Select up to three. If more than three, select three most important. None cannot be selected in conjunction with any other type</i></p> <p>1=None 2=Terraces 3=Bunds 4=Gabions/Sandbags 5=Drainage Ditches 6=Trees 7=Grass Strips 8=Other, Specify</p>			<p>What is the slope of [PLOT NAME [seasonid]]?</p> <p>READ ANSWERS</p> <p>1=Flat 2=Moderate 3=Steep/Hilly</p>	<p>Is [PLOT NAME [seasonid]] swamp / wetland ?</p> <p>1=Yes 2=No</p>	
		Quantity	Unit										
	<b>Q7234</b>	<b>Q7235</b>	<b>Q7301a</b>	<b>Q7301b</b>	<b>Q7302</b>	<b>Q7303</b>	<b>Q7304</b>	<b>Q7305</b>	<b>Q7306a</b>	<b>Q7306b</b>	<b>Q7306c</b>	<b>Q7307</b>	<b>Q7308</b>
	1	1											
1	2												
1	3												
2	2												
2	3												

## MODULE 7.3: DETAILS OF LAND AREA: PLOT ROSTER

Season id	Plot id [season id]	Plot use	Renting Out	
IF PLOT WAS CULTIVATED IN MORE THAN ONE SEASON, AS IDENTIFIED IN PLOT LINK YN? _?, SKIP ALL BUT Q7302 FOR ALL BUT FIRST INSTANCE		During [SEASON], how was [PLOT NAME [seasonid]] used?  <i>Select only one. Select 2 only if 1 does not apply.</i>	How much did you receive from renting out [PLOT NAME [seasonid]] during [SEASON]?  THEN NEXT PLOT	
		Use Codes 1=Cultivated w/ Single Season Crops -> Q7401a 2=Cultivated w/ Multiple-Season Crops Only -> NEXT PLOT 3=Rented Out 4=Loaned Out -> NEXT PLOT 5=Grazing Land / Pasture -> NEXT PLOT 6=Left Fallow -> NEXT PLOT 7=Virgin Land -> NEXT PLOT 8=Other, Specify	Cash  [Tshs]	Value of In-Kind Payments  [Tshs]
<b>Q7234</b>	<b>Q7235</b>	<b>Q7309</b>	<b>Q7310</b>	<b>Q7311</b>
1	1			
1	2			
1	3			
2	2			
2	3			

## MODULE 7.4: CROP PRODUCTION: Annuals Production Inputs (Plot by Season Module)

[illegible]

Q7401
Decision making
29= Household jointly, 30= Outside household male, 31= Outside household female, 32= Government or other institution, 98= Not applicable

## MODULE 7.4: CROP PRODUCTION: Annuals Production Inputs (Plot by Season Module)

Season id	Plot id [season id]	Irrigation			Organic Fertilizer						
Mod 7.4 to be asked through one season, then proceed to 7.5 before returning to 7.4 mod for next season.		During [SEASON], was [PLOT NAME [seasonid]] irrigated?	What is the primary source of water for irrigation on [PLOT NAME [seasonid]]?	What is the primary method for distributing water for irrigation on [PLOT NAME [seasonid]]?	Did you use any organic fertilizer on [PLOT NAME [seasonid]] during [SEASON]?	How much organic fertilizer was applied on [PLOT NAME [seasonid]] during [SEASON]?			What is the total cost of the [ORGANIC FERTILIZER CODE] applied on [PLOT NAME [seasonid]] during [SEASON]?	Provenance	How long did it take to transport the [ORGANIC FERTILIZER CODE] applied on [PLOT NAME [seasonid]] during [SEASON]?
		1=Yes 2=No -> Q7410	1=Canal 2=Borehole 3=Well 4=River/Stream 5=Pond/Lake 6=Other, Specify -> Q7408_os	1=Hand/Bucket 2=Hand Pump 3=Motorized / Electrical Pump 4=Flooding 5=Other, Specify -> Q7409_os	1=Yes 2=No -> Q7415	Quantity	unit	Estimate # Kgs per Unit	Value (TSH)	Provenance code	One way trip from the market in minutes
Q7234	Q7235	Q7407	Q7408	Q7409	Q7410	Q7411a	Q7411b	Q7411c	Q7412	Q7413	Q7414
1	1										
1	2										
1	3										
2	2										
2	3										

## MODULE 7.4: CROP PRODUCTION: Annuals Production Inputs (Plot by Season Module)

Season id	Plot id [season id]	Inorganic Fertilizer					Weeding			
Mod 7.4 to be asked through one season, then proceed to 7.5 before returning to 7.4 mod for next season.	Did you use any inorganic fertilizer on [PLOT NAME [seasonid]] during [SEASON]?	What types of inorganic fertilizer did you apply on [PLOT NAME [seasonid]] during [SEASON]?	How much [INORGANIC FERTILIZER TYPE] was applied on [PLOT NAME] during [SEASON]?  1=Kg 2=Liter 3=Bucket 4=Wheelbarrow 5=Cart 6=Other, Specify ESTIMATE KGS FOR UNITS OTHER THAN KG AND LITER. IF MIXED WITH WATER FOR APPLICATION, ESTIMATE WEIGHT BEFORE MIXING			What is the total cost of the [INORGANIC FERTILIZER CODE] applied on [PLOT NAME [seasonid]] during [SEASON]?	Provenance	How long did it take to transport the [INORGANIC FERTILIZER CODE] applied on [PLOT NAME [seasonid]] during [SEASON]?	How many complete weedings did you do on [PLOT NAME [seasonid]] during [SEASON]?	
										MULTIPLE RESPONSE ALLOWED  1=Yes 2=No -> Q7421
<b>Q7234</b>	<b>Q7235</b>	<b>Q7415</b>	<b>Q7416</b>	<b>Q7417a</b>	<b>Q7417b</b>	<b>Q7417c</b>	<b>Q7418</b>	<b>Q7419</b>	<b>Q7420</b>	<b>Q7421</b>
1	1									
1	2									
1	3									
2	2									
2	3									



## MODULE 7.4: CROP PRODUCTION: Annuals Production Inputs (Plot by Season Module)

Season id	Plot id [season id]	Pesticide/Herbicide									
Mod 7.4 to be asked through one season, then proceed to 7.5 before returning to 7.4 mod for next season.		Did you use any pesticides / herbicides on this [PLOT NAME [seasonid]] during [SEASON]?  1=Yes 2=No -> Q7428	What type(s) of pesticide / herbicide did you apply on [PLOT NAME [seasonid]] during [SEASON]?  MULTIPLE RESPONSE ALLOWED  Pest./Herb. Type Codes 1=Insecticide 2=Herbicide 3=Curative Fungicide 4= Preventive Fungicide 5=Other, Specify	How much [PESTICIDE/HERBICIDE TYPE] applied on [PLOT NAME [seasonid]] during [SEASON]?  1=Kg 2=Liter 3=Bucket 4=Wheelbarrow 5=Cart 6=Other, Specify -> Q7424b_os  ESTIMATE KGS FOR UNITS OTHER THAN KG AND LITER. IF MIXED WITH WATER FOR APPLICATION, ESTIMATE WEIGHT BEFORE MIXING			What is the total cost of the [PESTICIDE/HERBICIDE] applied on [PLOT NAME [seasonid]] during [SEASON]?  Value (TSH)	Provenance	How long did it take to transport the [PESTICIDE/HERBICIDE] applied on [PLOT NAME [seasonid]] during [SEASON]?  one way trip from the market in minutes	Did you use traps to control pests on this [PLOT NAME [seasonid]] during [SEASON]?  1=Yes 2=No -> Q7430	How many traps did you use on this [PLOT NAME [seasonid]] during [SEASON]?  Number (count)
				Quantity	Unit	Estimate # Kgs per Unit					
<b>Q7234</b>	<b>Q7235</b>	<b>Q7422</b>	<b>Q7423</b>	<b>Q7424a</b>	<b>Q7424b</b>	<b>Q7424c</b>	<b>Q7425</b>	<b>Q7426</b>	<b>Q7427</b>	<b>Q7428</b>	<b>Q7429</b>
1	1										
1	2										
1	3										
2	2										
2	3										

## MODULE 7.4: CROP PRODUCTION: Annuals Production Inputs (Plot by Season Module)

Plot id [season id]		Labor (intermediate)											
Season id [id]		How many days of family labor were worked on <u>land</u> preparation / planting on [PLOT NAME] during [SEASON]?	How many days of exchange / free labor were worked on <u>land</u> preparation / planting on [PLOT NAME] during [SEASON]?	How many days of hired labor were worked on <u>land</u> preparation / planting on [PLOT NAME] during [SEASON]?	What was the total cost, in cash and in kind, for the days of hired labor on <u>land</u> preparation / planting on [PLOT NAME] during [SEASON]?	How many days of family labor were worked on <u>harvest</u> on [PLOT NAME] during [SEASON]?	How many days of exchange / free labor were worked on <u>harvest</u> on [PLOT NAME] during [SEASON]?	How many days of hired labor were worked on <u>harvest</u> on [PLOT NAME] during [SEASON]?	What was the total cost, in cash and in kind, for the days of hired labor on <u>harvest</u> on [PLOT NAME] during [SEASON]?	How many days of family labor were worked on <u>any other</u> activity on [PLOT NAME] during [SEASON]?	How many days of exchange / free labor were worked on <u>any other</u> activity on [PLOT NAME] during [SEASON]?	How many days of hired labor were worked on <u>any other</u> activity on [PLOT NAME] during [SEASON]?	What was the total cost, in cash and in kind, for the days of hired labor on <u>any other</u> activity on [PLOT NAME] during [SEASON]?
		Days	Days	Days	Value (TSH)	Days	Days	Days	Value (TSH)	Days	Days	Days	Value (TSH)
Q7234	Q7235	Q7430a	Q7430b	Q7430c	Q7430d	Q7431a	Q7431b	Q7431c	Q7431d	Q7432a	Q7432b	Q732c	Q7432d
1	1												
1	2												
1	3												
2	2												
2	3												

## MODULE 7.5: CROP PRODUCTION: Annuals Harvest (Crop by Plot and Season)

Season id	Plot id	Crop id	Planting								
Module 7.5 to be asked through one season, then proceed to 7.6		This will be populated from the list of crops identified on [PLOT NAME] during [SEASON].	Was the planting material for [CROP CODE] local / recycled, or hybrid / improved?  1=Kg 2=Seedlings 3=Bucket 4=Other, Specify  ESTIMATE KGS FOR UNITS OTHER THAN KG AND SEEDLINGS 1= Local / Recycled 2= Hybrid / Improved 3= Mix 4=Don't Know	How much seed did you plant for [CROP CODE] on [PLOT NAME [seasonid]] during [SEASON]?			When did you finish planting for [CROP CODE] on [PLOT NAME [seasonid]] during [SEASON]?	If seed/ seedling was purchased, what was the total cost for [CROP CODE] on [PLOT NAME [seasonid]] during [SEASON]?	Provenance	How long did it take to transport the seeds purchased for [CROP CODE] on [PLOT NAME [seasonid]] during [SEASON]?	
				Quantity	Unit	Estimate # Kgs per Unit	Month	1=First Half 2=Second Half	If in-kind convert to Tshs	Provenance code	one way trip from the market in minutes
<b>Q7234</b>	<b>Q7235</b>	<b>Q7406</b>	<b>Q7501</b>	<b>Q7502a</b>	<b>Q7502b</b>	<b>Q7502c</b>	<b>Q7503a</b>	<b>Q7503b</b>	<b>Q7504</b>	<b>Q7505</b>	<b>Q7506</b>
1	1	1									
1	2	1									
1	2	2									
1	3	3									
2	2	4									
2	3	1									

## MODULE 7.5: CROP PRODUCTION: Annuals Harvest (Crop by Plot and Season)

Season id	Plot id	Crop id	Harvest									
Module 7.5 to be asked through one season, then proceed to 7.6		This will be populated from the list of crops identified on [PLOT NAME] during [SEASON].	How much [CROP CODE] did you harvest from [PLOT NAME [seasonid]] during [SEASON]?				Was the area harvested less than the area planted?	Why was the area harvested less than the area planted?	When did you finish harvesting [CROP CODE] from [PLOT NAME [seasonid]] during [SEASON]?		Who in the household makes the decision concerning the use of [CROP CODE] harvested from [PLOT NAME [seasonid]] during [SEASON]?	
			1=Kg 2=Ton 3=Piece 4=Sack 5=Bucket 6=Cart 7=Other, Specify -> Q7509b ESTIMATE KGS FOR UNITS OTHER THAN KG AND TON									
			Quantity	Unit	Estimate # Kgs per Unit	Condition 1=Shelled 2=Unshelled 3=Not Applicable	1=Yes 2=No -> Q7510	1=Drought 2=Floods 3=Landslides 4=Fire 5=Insects 6=Animals 7=Disease 8=Theft 9=Other, Specify	Month	1=First Half 2=Second Half	[If HH member, list IDs, with primary owner first. If outside individual enter code from list]	
<b>Q7234</b>	<b>Q7235</b>	<b>Q7406</b>	<b>Q7507a</b>	<b>Q7507b</b>	<b>Q7507c</b>	<b>Q7507d</b>	<b>Q7508</b>	<b>Q7509</b>	<b>Q7510</b>	<b>Q7511</b>	<b>Q7512a</b>	<b>Q7512b</b>
1	1	1										
1	1	2										
1	2	2										
1	3	3										
2	2	4										
2	3	1										

<b>Q7512</b>
<b>Decision making</b>
29= Household jointly, 30= Outside household male, 31= Outside household female, 32= Government or other institution, 98= Not applicable

## MODULE 7.6: CROP PRODUCTION: Annuals Disposition (Crop by Season)

crop seasonid		Sales												
Module 7.6 to be asked through one season entirely and then return to module 7.4 for the next season		Did you sell any of the [CROP CODE] harvested during [SEASON] ?	How much of the [CROP CODE] harvested during [SEASON] was sold in total?  1=Kg 2=Ton 3=Piece 4=Sack 5=Bucket 6=Cart 7=Other, Specify  ESTIMATE KGS FOR UNITS OTHER THAN KG AND TON				What was the total value of all sales of [CROP CODE] harvested during [SEASON] ?	Who in your household kept / decided what to do with these earnings?  Select up to two		What type of buyer made the purchase in the largest transaction of [CROP CODE] harvested during [SEASON] ?	Who in your household is responsible for negotiating the sale of [CROP CODE] harvested during [SEASON] in the largest transaction?		Where did the largest transaction of [CROP CODE] harvested during [SEASON] take place?	How long did it take to transport the [CROP CODE] sold in the largest transaction of [CROP CODE] harvested during [SEASON] ?
1=Yes 2=No -> Q7609	Quantity	Unit	Estimate # Kgs per Unit	Condition 1=Shelled 2=Unshelled 3=Not Applicable	Value (TSH)	[If HH member, list IDs, with primary decision maker first. If outside individual enter code from list]		Buyer Type Code	[If HH member, list IDs, with primary owner first. If outside individual enter code from list]		Sale Location Code	one way trip to the market in minutes		
Q723 4	Q7406	Q7601	Q7602a	Q7602b	Q7602c	Q7602d	Q7603	Q7604a	Q7604b	Q7605	Q7606a	Q7606b	Q7607	Q7608
1	1													
1	2													
1	3													
2	1													
2	4													

<b>Q7604</b>
<b>Decision making</b>
29= Household jointly, 30= Outside household male, 31= Outside household female, 32= Government or other institution, 98= Not applicable

## MODULE 7.6: CROP PRODUCTION: Annuals Disposition (Crop by Season)

<b>Additional Uses</b>											
How much of the [CROP CODE] harvested during [SEASON] was given out as payment for <b>land, labor?</b>	How much of the [CROP CODE] harvested during [SEASON] was given out as payment for <b>inputs</b> borrowed or acquired on credit?	How much of the [CROP CODE] harvested during [SEASON] was used for animal feed?	How much of the [CROP CODE] harvested during [SEASON] was used as input for [CROP CODE] by-products that your household sold, if any, for cash/in-kind goods/ services?	How much of the [CROP CODE] harvested during [SEASON] was saved for seed?	How much of the [CROP CODE] harvested during [SEASON] was lost to rotting, insects, rodents, theft, etc in the post-harvest period?	What was the reason for loss?  <i>Select up to two</i>	Do you have any of the [CROP CODE] harvested during [SEASON] in storage now?	How much of the [CROP CODE] harvested during [SEASON] is being stored by your household?  FILL IN ZERO IF NONE AND CONTINUE ON			
Quantity, unit, estimate, condition						1=Rotting 2=Insects 3=Animal Damage 4=Flood / waterlogging 5=Theft 6=Other, specify	1=Yes 2=No	Quantity	unit	condition	
FILL IN ZERO IF NONE AND CONTINUE ON											
Q7609abcd	Q7610abcd	Q7611abcd	Q7612abcd	Q7613abcd	Q7614abcd	Q7615a	Q7615b	Q7616	Q7617a	Q7617b	Q7617c

## MODULE 7.7: CROP PRODUCTION: Perennial Harvest (Crop by Plot Module)

plotid tp	Plot Area		Crop Roster								
	What is the area of [PLOT NAME TP]?  Unit Codes 1=Hectare 2= Sq Meter 3=Acre 4=Other, Specify  QUESTION IS ONLY ACTIVE IF PLOT IS NOT CULTIVATED IN ANOTHER SEASON AND SO HAS AREA FROM <b>Q7301a, b</b>		Which trees / permanent crops were harvested from [PLOT NAME TP] during the last 12 months?          Tree / Permanent Crop Codes					"Who in the household makes the decision concerning the use of [T/P CROP] harvested from [PLOT NAME TP] during the last 12 months?  Select up to two    [If HH member, list IDs, with primary owner first. If outside individual enter code from list]		What main variety of cassava was planted in this field?    ASK ONLY IF [T/P CROP] IS CASSAVA    1=Kizimbani 2=Machui, 3= Mahonda, 4=Kama 5=Boma 6= Mzungu 7= Kaniki 8=Mwari 96=others, specify	
<b>Q7226</b>	<b>Q7701a</b>	<b>Q7701b</b>	<b>Q7702a</b>	<b>Q7702b</b>	<b>Q7702c</b>	<b>Q7702d</b>	<b>Q7702e</b>	<b>Q7703a</b>	<b>Q7703b</b>	<b>Q7704</b>	
1											
2											
3											

<b>Q7703</b> <b>Decision making</b>
29= Household jointly, 30= Outside household male, 31= Outside household female, 32= Government or other institution, 98= Not applicable

## MODULE 7.7: CROP PRODUCTION: Perennial Harvest (Crop by Plot Module)

plotid tp	tpcropid	Planting information						
		Is the [T/P CROP] planted in a dedicated area, or spread throughout [PLOT NAME TP]?  1=Dedicated Area 2=Spread Throughout -> Q7707	Approximately how much of [PLOT NAME TP] was planted with [T/P CROP] ?  1=Less than 1/4 2= 1/4 3= 1/2 4= 3/4 5= More than 3/4	How many [T/P CROP] do you own on [PLOT NAME TP]?  Quantity	In what year were most of these [T/P CROP] planted on [PLOT NAME TP]?  Year	When did you plant most of this [PLOT NAME TP] with cassava?  ASK ONLY IF [T/P CROP] IS CASSAVA		How many [T/P CROP] were planted on [PLOT NAME TP] during the last 12 months?  IF [T/P CROP] IS CASSAVA, ASK FOR ROOTS/ SEEDS Integer
Q7226	Q7227	Q7705	Q7706	Q7707	Q7708	Q7709a	Q7709b	Q7710
1	2							
1	3							
1	4							
2	33							
3	1							
3	3							



## MODULE 7.7: CROP PRODUCTION: Perennial Harvest (Crop by Plot Module)

plotid tp	tpcropid	Production Period				Harvest information							
		What was the last completed production period for [T/P CROP] from [PLOT NAME TP]?				How much [T/P CROP] did you harvest from [PLOT NAME TP] during the last 12 months? 1=Kg 2=Ton 3=Piece 4=Sack 5=Bucket 6=Cart 7=Other, Specify ESTIMATE KGS FOR UNITS OTHER THAN KG AND TON				Was the area harvested less than the area planted?	Why was the area harvested less than the area planted?	Who in the household makes the decision concerning the use of [T/P CROP] harvested from [PLOT NAME TP] during the last 12 months? Select up to two	
		Begin Month	Begin Year	End Month	End Year	Quantity	Unit	Estimate # Kgs per Unit	Condition 1=Shelled 2=Unshelled 3=Not Applicable	1=Yes 2=No -> Q7712a	1=Drought 2=Floods 3=Landslides 4=Fire 5=Insects 6=Animals 7=Disease 8=Theft 9=Other, Specify	[If HH member, list IDs, with primary owner first. If outside individual enter code from list]	
Q7226	Q7227	Q7701 1a	Q7701 1b	Q7701 1c	Q7701 1d	Q7712a	Q7712b	Q7712 c	Q7712d	Q7713	Q7714	Q7715 a	Q7715 b
1	2												
1	3												
1	4												
2	33												
3	1												
3	3												

Q7715 Decision making
29= Household jointly, 30= Outside household male, 31= Outside household female, 32= Government or other institution, 98= Not applicable

## MODULE 7.8: CROP PRODUCTION: Perennial Disposition (By Crop)

tpcropid	Sales												
T/P Crop Code	Did you sell any of the [T/P CROP] harvested during the last 12 months?  1=Yes 2=No -> Q7809	How much [T/P CROP] did you sell from what was harvested during the last 12 months?  1=Kg 2=Ton 3=Piece 4=Sack 5=Bucket 6=Cart 7=Other, Specify  ESTIMATE KGS FOR UNITS OTHER THAN KG AND TON				What was the total value of all sales of [T/P CROP] harvested during the last 12 months?  Value (TSH)	Who in your household kept / decided what to do with these earnings?  Select up to two  [If HH member, list IDs, with primary decision maker first. If outside individual enter code from list]		What type of buyer made the purchase in the largest transaction of [CROP CODE] harvested during the last 12 months?  Buyer Type Code	Who in your household is responsible for negotiating the sale of [CROP] in the largest transaction?  [If HH member, list IDs, with primary owner first. If outside individual enter code from list]		Where did the largest transaction of [CROP CODE] harvested during the last 12 months take place?  Sale Location Code	How long did it take to transport the [CROP CODE] purchased in the transaction of [CROP CODE] harvested during the last 12 months?  one way trip to the market in minutes
Q7227	Q7801	Q7802a	Q7802b	Q7802c	Q7802d	Q7803	Q7804a	Q7804b	Q7805	Q7806a	Q7806b	Q7807	Q7808

Q7804 Decision making
29= Household jointly, 30= Outside household male, 31= Outside household female, 32= Government or other institution, 98= Not applicable

## MODULE 7.8: CROP PRODUCTION: Perennial Disposition (By Crop)

tpcro pid	Additional Uses												
T/P Crop Code	How much of the [T/P CROP] harvested during the last 12 months was given out as gifts or reimbursements for land, labor?  EXCLUDE REIMBURSEMENTS FOR INPUTS BORROWED/A CQUIRED FOR CREDIT.	How much of the [T/P CROP] harvested during the last 12 months was given out as reimbursements for inputs borrowed or acquired on credit?	How much of the [T/P CROP] harvested during the last 12 months was used for animal feed?	How much of the [T/P CROP] harvested during the last 12 months was used as input for [T/P CROP] by-products that your household sold, if any, for cash/in-kind goods/services?	How much of the [T/P CROP] harvested during the last 12 months was saved for seed?	How much of the [T/P CROP] harvested during the last 12 months was lost to rotting, insects, rodents, theft, etc in the post-harvest period?  IF ZERO - > Q7816	What was the reason for loss?		Do you have any of the [T/P CROP] harvested during the last 12 months in storage now?	What is your main method of storage for [T/P CROP]?  READ RESPONSE OPTIONS	How much of the [T/P CROP] harvested during the last 12 months is being stored by your household?  FILL IN ZERO IF NONE AND CONTINUE ON		
	Quantity, unit, estimate, condition					1=Rotting 2=Insects 3=Rodents / Pests 4=Flood / waterlogging 5=Theft 6=Other, specify		1=Yes 2=No -> Next T/P Crop	1=Unprotected pile 2=Heaped in house 3=Bags in house 4=Traditional Granary 5=Improved Granary	Quantity	unit	estimate, condition	
Q7227	Q7809abcd	Q7810abcd	Q7811abcd	Q7812abcd	Q7813abcd	Q7814abcd	Q7815a	Q7815b	Q7816	Q7817	Q7818a	Q7818b	Q7818c

<b>Crop Codes</b> 1=Maize 2=Wheat 3=Rice (paddy) 4=Rice (upland) 5=Sorghum 6=Millet 7=Barley 10=Other Grain, Specify 11=Soybean 12=Chick Pea 13=Pigeon Pea 14=Bean 15=Pea 16=Lentil 20=Other Pulse, Specify 21=Groundnut 22=Sesame 23=Rape Seed 30=Other Nut / Oil Seed, Specify 31=Sweet Potato 32=Orange Flesh Sweet Potato 33=Irish Potato 34=Yam 35=Cocoyams 40=Other Tuber, Specify 41=Tomato 42=Onion 43=Pepper 44=Eggplant 45=Cucumber 46=Carrot 47=Radish 48=Turnip 49=Cabbage 50=Leafy Greens 51=Pumpkin	<b>Crop Codes (continued)</b> 52=Gourd / Squash 53=Cauliflower 54=Green / French Beans 60=Other Vegetable, Specify 61=Tobacco 62=Cotton 63=Sugar Cane 64=Paprika 70=Other Cash Crop, Specify  <b>Tree / Permanent Crop Codes</b> 1=Cassava 2=Asparagus 3=Sisal 10=Other Perennial Tuber / Vegetable, specify 11=Coffee 12=Tea 13=Rubber 20=Other perennial non-food cash crop, specify 21=Banana 22=Plantain 23=Mango 24=Pineapple 25=Jack fruit 26=Papaya 27=Guava 28=Orange 29=Lemon 30=Lime 31=Apple 32=Coconut 33=Passion fruit 34=Pomegranate 35=Avocado 36=Grapefruit 37=Grapes	<b>Tree / Permanent Crop Codes (continued)</b> 38=Mandarin 39=plums 40=pear 41=peaches 42=pomelo 43=Durian 44=Bilimbi 45=Rambutan 46=Pineapple 47=Breadfruit 48=Malay apple 49=Star fruit 50=Cocoa 51=Wattle 52=Kapok 53=Palm Oil 60=Other Perennial Fruit, specify 61=Macadamia Nut 62=Cashew Nut 63=Bambara nuts 70=Other Perennial Nuts, specify  <b>Inorg. Fert. Type Codes</b> 1=DAP (di-Ammonium Phosphate) 2=Urea 3=CAN (Calcium Ammonium Nitrate) 4=TSP (Triple Super Phosphate) 5=Lime 6=Foliar 7=Ammonium Sulphate 8=Other, Specify	<b>Provenance</b> 1= from own farm 2= Purchase on farm 3= Purchase in this village, 4= Purchase in another village in this shehia 5= Purchase in another village outside this shehia 6= Purchase in local market town in this shehia 7= Purchase in local market town outside this shehia 8= Purchase in district market 9= Purchase in Zanzibar town 10= Other, please specify  <b>Buyer Type Codes</b> 1=Other households for their own use 2= Small-scale trader 3=Large-scale trader / wholesaler 5=Miller / Processor 4=Direct retailer 6=Restaurant 7=Institution (Church, Hospital, School, other) 8=NGO 9=Government Agency 10=Other, Specify  <b>Sale Location Codes</b>  1= On farm, 2= This village, 3= Another village in this shehia, 4= Another village outside this shehia, 5= Local market town in this shehia, 6= Local market town outside this shehia, 7= District market, 8= Regional center (Muana Kwerekwe/ Darajani), 9= Zanzibar Town, 96= Other, please specify  <b>Months Code</b> 1=January 2=February 3=March 4=April 5=May 6=June 7=July 8=August 9=September 10=October 11= November 12=December
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### MODULE 13: FOOD CONSUMPTION ITEMS

NOTE TO ENUMERATOR: Please ask the respondent to describe the meals (both foods and drinks) that you and other household members ate or drank yesterday (in 24 hours) during the day and night, whether at home or outside home. Start with the first food or drink of the morning.

Breakfast	Snack	Lunch	Snack	Dinner	Snack

## MODULE 13: DIETARY DIVERSITY

NOTE TO ENUMERATOR: Based on what the respondent described in Module 17.1, please record whether yesterday the respondent or other household members consumed any food items in the following categories or not.

	Did you or other members of the households consume any food items in the following category?	Yesterday, how many times did you or others in your household eat any of the following food items mentioned in?
	1= Yes 2=No>> Next Food Category	Number
	Q1301	Q1302
1. Cereals (rice, wheat, barley, maize, sorghum, millet, maize, etc., and including cereal products like noodles, breads, congee, porridge, soup, etc.)		
2. White root and tuber items (potato, cassava, yam, taro, etc.)		
3. Vitamin A-rich vegetable and tuber items (pumpkin, carrot, squash, sweet potato, etc.)		
4. Dark green leafy vegetables (amaranth, cassava leaves, spinach, kale, etc.)		
5. Other vegetables (tomatoes, onions, eggplants, etc.)		
6. Vitamin A-rich fruits (mangoes, melons, apricots, papayas, peaches, etc., and either fresh, dried, or juices)		
7. Other fruits (either fresh, dried, or juices)		
8. Organ meats (liver, kidney, heart, other organ meats, blood-based foods, etc.)		
9. Flesh meats (beef, pork, lamb, goat, rabbit, game, chicken, duck, other birds, insects, etc.)		
10. Eggs (from chicken, duck, guinea fowl or any other eggs from animals)		
11. Fish, shrimp or other seafood (both fresh and dried)		
12. Legumes, nuts, and seeds (dried beans, dried peas, lentils, nuts, seeds, or foods made from these including soybean paste and tofu)		
13. Dairy products (milk, yogurt, cheese, or other dairy products)		
14. Oil and fats (oil, fats, butter, margarine, or other oil and fat products used for cooking)		
15. Sweets (sugar, honey, sweetened soda or sweetened juice drinks, sugary foods such as chocolates, candies, cookies, and cakes)		
16. Condiments (spices, salt, pepper, MSG, chili sauce, tea, coffee, alcoholic drinks, etc.)		

## MODULE 13: FOOD SECURITY

<p>Over the past <b>seven days</b>, if there have been times when you did not have enough food or money to buy food, how many days has you or others in your household had to do the following:</p> <p><b>1= Yes</b> <b>2=No &gt;&gt;Next item</b></p>	<p>Over the past <b>seven days</b>, how many days did you or others in your household had to ... ?</p>
<b>Q1303</b>	<p><b>Q1304</b> [...] Days (up to 7 days) Ranges between 0 and 7.</p>
1. Rely on less preferred and less expensive foods?	
2. Borrow food, or rely on help from a friend or relative?	
3. Purchase food on credit?	
4. Gather wild food, hunt, or harvest immature crops?	
5. Consume seed stock held for next season?	
6. Send household members to eat elsewhere?	
7. Send household members to beg?	
8. Limit portion size at mealtimes?	
9. Restrict consumption by adults in order for small children to eat?	
10. Feed working members of household at the expense of non-working members?	
11. Reduce number of meals eaten in a day?	
12. Skip entire days without eating?	

<p>In the last 12 months, did you have enough food to feed the household?</p> <p><b>1= Yes</b> <b>2=No &gt;&gt;Next module</b></p>	<p>In which months of the last 12 months did you experience this?</p> <p><b>Ranges between 0 and 12.</b></p>
<b>Q1305</b>	<b>Q1306</b>

## MODULE 9.1: Off-Farm Employment

<b>Q9101</b>	Has anyone of your household members worked as a wage-employee in the last 12 months? 1=Yes 2=No -> Next section																	
<b>Q9102</b>	How many members of your household have worked as a wage-employee in the last 12 months?															person (s)		
<i>Interviewer: Use separate rows for each off-farm occupation for each household member.</i>																		
Occupation I.D.	HH Member I.D.	Occupation No.	Describe the type of Occupation in words (for example: production worker in canning factory)	Since when is [Name] working in this job?	Where is [Name] working?	How many days in the last 7 days did [Name] work in this type of employment?	Is this a regular employment or occasional?	How many days per month, does [Name] work in this type of employment?	How many months in the past 12 months has [Name] worked in this type of employment?	On average, what was the wage per month?	How much did [Name] earn over the past 12 months? [Convert in-kind to Tsh at current market price]	Primarily, who decides whether to take this employment?	Primarily, who decides on use of income earned from this work?					
			Enter codes from list	if less than 1 year ago give month (1-12)	Enter codes from list	Response must be in [0, 7]	1. Regular, 2. Occasional >> Q9113	Response must be in [0, 31]	Response must be in [0, 12]	[Tshs]	[Tshs] If in-kind convert to Tshs	[If HH member, list IDs, with primary decision maker first. If outside individual enter code from list]						
<b>Q9103</b>	<b>Q9104</b>	<b>Q9105</b>	<b>Q9106a</b>	<b>Q9106b</b>	<b>Q9107a</b>	<b>Q9107b</b>	<b>Q9108</b>	<b>Q9109</b>	<b>Q9110</b>	<b>Q9111</b>	<b>Q9112</b>	<b>Q9113</b>	<b>Q9114a</b>	<b>Q9114b</b>	<b>Q9115a</b>	<b>Q9115b</b>	<b>c</b>	<b>Q9115d</b>
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		



Q9106b			Q9106b (continued)
Agriculture		32=	Other service worker
1=	Agricultural wage labourer		Public Sector
2=	Logger	33	Nurse (public clinic)
3=	Fisher	34	Nurse (private clinic)
Industry worker		35	Policeman
4=	Food processing	36	Teacher
5=	Textile, Apparel	37	Soldier
6=	Electronics	38	Central governmental administration
7=	Wood Products	39	Local government administration
8=	Furniture	40	Other civil servant
9=	Metal Products and Machinery	96	Other, please specify
10=	rubber production		
11=	brickyard		Q9108
12=	other industry	1=	On farm
13=	Miner, Quarryman	2=	This village
14=	Construction worker	3=	Another village in this shehia
	Service	4=	Another village outside this shehia
15=	Watchman	5=	Local market town in this shehia
16=	Carwasher	6=	Local market town outside this shehia
17=	Shoemaker	7=	District market
18=	Barber	8=	Regional center (Muana Kwerekwe/ Darajani)
19=	Tailor	9=	Zanzibar Town
20=	Vendor / Salesman	96=	Other, please specify
21=	Cook		
22=	Waiter		Q9115
23=	Cleaner	29=	Household jointly
24=	Housemaid	30=	Outside household male
25=	Driver	21=	Outside household female
26=	Carpenter	32=	Government or other institution
27=	Mechanic	98=	Not applicable
28=	Electrician		
29=	Plumber		
30=	accountant / bank clerk		
31=	Tourist guide		

## MODULE 9.2: Self Employment

<b>Q9201</b>		Has any of this household's members been engaged in non-farm self-employment in the last 12 months? 1=Yes 2=No>> Next Section													
<b>Q9202</b>		How many household members were engaged in non-farm self-employment in the last 12 months?												person (s)	
Business I.D.	HH Member I.D. (head of business)	Business No.	Describe the Type of Business in words	When did [member] start with this [Business]?	Where is the [Business] located?	Did you receive a credit/loan to operate or expand this [Business] in last 12 months?	What was the major source of loan/credit for [Business] ?	How many members of the family work in [Business]?	In the past 12 months, how many people from outside were hired to manage [Business]?	In the past 12 months, how many months did the [Business] operate?	In the past 12 months, How much was the... from this [Business] (in Tshs)?		Primarily, who controls the revenue from [Business]?		
			Enter codes from list	if less than 1 year ago give month (1-12)  Year (YYYY)	Enter codes from list	1=Yes 2=No >> Q9211	Enter codes from list	Number	Number	Response must be in [0,12]	Total gross revenue  Tsh	Total cost  Tsh	[If HH member, list IDs, with primary decision maker first. If outside individual enter code from list]		
Q9203	Q9204	Q9205	Q9206a	Q9206b	Q9207	Q9208	Q9209	Q9210	Q9211	Q9212	Q9213	Q9214a	Q9214b	Q9215a	Q9215b
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															

Q9206b		Q9206b(Continued)		Q9215	
Agriculture related		Crafts and Services		29=	Household jointly
1=	Agricultural services	30=	Doctor	30=	Outside household male
2=	Livestock trader	31=	Funeral and wedding service	31=	Outside household female
3=	Fish trader	32=	Construction	32=	Government or other institution
	<b>Production</b>	33=	Cement tile yard	98=	Not applicable
4=	Mill	34=	Carver		
5=	Spinnery/weaving	35=	Mining		
6=	Mat and Basket making	96=	Other, Please specify		
7=	Brickyard	<b>Q9208</b>			
8=	Pottery	1=	At house premises		
<b>Trade, Transport and Communication</b>		2=	This village		
9=	Retail-Shop (sales store)	3=	Another village in this shehia		
10=	Petty trader (sales on street)	4=	Another village outside this shehia		
11=	Wholesale	5=	Local market town in this shehia		
12=	Taxi and transport	6=	Local market town outside this shehia		
13=	Internet-shop	7=	District market		
<b>Hotel and Food</b>		8=	Regional center (Muana Kwerekwe/ Darajani)		
14=	Hotel / guesthouse	9=	Zanzibar Town		
15=	Restaurant/ Bar	96=	Other, please specify		
16=	Foodstall operator				
17=	Butchery	<b>Q9210</b>			
18=	Other small scale food processing incl. alcohol production	1=	Commercial Bank		
<b>Crafts and Services</b>		2=	Micro-finance		
19=	Hair salon / barber	3=	cooperatives		
20=	Repair shop	4=	Money lender		
21=	Carpenter	5=	Employer		
22=	Mechanic	6=	Relative		
23=	Electrician	7=	Self-help groups (SHG)		
24=	Plumber	8=	Friend/neighbour		
25=	Shoe-maker	9=	Other NGOs		
26=	Tailor	10=	Local merchant		
27=	Car-washing	11=	IFAD grant (ASDP-L/ASSP)		
28=	Shoe-cleaner	96=	Other (specify)		
29=	Handicrafts/Carver				

## MODULE 10: SHOCKS AND RESILIENCE

Please read out all shock events.	Was your household affected by [SHOCKID] in the past 12 months?  1= Yes 2=No->Next Shock event	How many times did you experience the [SHOCKID] in the past 12 months?  [...] Times  Minimum 0.	How severe was the impact of [SHOCKID] on your household in the past 12 months?  Enter code from list	What was the impact of the [SHOCKID] on your household income?  0= Decrease 1= Unchanged 2= Increase	What was the impact of the [SHOCKID] on your household assets?  0= Decrease 1= Unchanged 2= Increase	What was the impact of the [SHOCKID] on your production?  0= Decrease 1= Unchanged 2= Increase
Q1000	Q1000a	Q1001	Q1002	Q1003	Q1004	Q1005
<b>Climatic shocks</b>						
1. Excessive rains						
2. Too little rain/drought						
3. Frost/freezing rain/hail						
4. Sudden change in temperature						
5. Crop disease or crop pest						
6. Livestock disease or stolen						
7. Late planting						
8. Flood						
9. Poor quality soil						
10. Early/late rain						
11. Landslides/avalanches/erosion						
<b>Conflict shocks</b>						
12. Theft/robbery and other violence						
13. Destruction or damage of house						
14. Loss of land/housing due to conflict						
15. Local unrest/violence						
<b>Economic shocks</b>						
16. Food price surges						
17. Unavailability of agricultural inputs						
18. No demand for agricultural products						
19. Increase in price of agricultural inputs						
20. Drop in price of agricultural outputs						
21. Illness/death/imprisonment of a household member						
22. Displacement due to infrastructure development (e.g. road, dam, etc.)						
23. Crop losses due to lack of storage space						
24. Household business failure, non-agricultural						
25. Loss of salaried employment or non-						



Q1002	Q1009
Severity of impact	Ability to recover
1= None 2= Slight impact 3= Moderate impact 4= Strong impact 5= Worst ever happened	1= Did not recover from the [shock] 2= Recovered some, but worse off than before [shock] occurred 3= Recovered to same level as before [shock] occurred 4= Recovered and better off than before [shock] occurred 5= Not affected by [shock] occurred

Q1010	
Production risk management strategies	Market and information risk management strategies (cont.)
1= Reallocate/change the area of land under cultivation/number of livestock owned as a response to market changes	17= Arrange for informal crop/livestock insurance mechanisms from traditional insurance mechanism
2= Keep land fallow (unplanted) in times of low rainfall	18= Get credit for crop/livestock production from banks or other formal financial institutions
3= Intensify the cropping system by increasing the area of crop grown/increasing the amount of livestock raised	19= Take out informal loans for crop/livestock from traditional financial institutions (RUSACO,microfinance, or other informal financial institutions)
4= Utilize human labor rather than purchasing or hiring farm machinery/equipment	<b>Other strategies</b>
5= Spread the time of planting the crop/rearing livestock	20= Engage in spiritual efforts (e.g. prayers, sacrifices, divine consultations)
6= Change the timing of crop/livestock harvest	21= Do nothing
7= Plant drought/weed/disease-resistant crops or raise disease-resistant livestock breeds	96= Other, please specify
8= Use alternative forms of irrigation rather than relying on rain-fed agriculture	
<b>Market and information risk management strategies</b>	
9= Spread out the sales of crop/livestock after harvest	
10= Sell crops/livestock to accumulate cash in advance	
11= Find out about market information before production from radio/newspapers/TV/other media outlets	
12= Find out about market information before production from traders/money lenders/other formal market channels	
13= Assess price trends before production from friends/relatives/other villagers	
14= Engage in cash forward/future contracts for crop/livestock sales	
15= Engage in deferred payment contracts for agricultural loans	
16= Purchase formal crop/livestock insurance against drought/losses from formal financial institutions	

Q1012	
<b>Livestock and land holdings</b>	15= Receive unconditional help from government
1= Send livestock in search of pasture	16= Receive unconditional help from NGO/religious/traditional institutions (e.g. food/money donations)
2= Sell livestock	17= Take on more jobs by members currently employed (including food-for-work or cash-for-work)
3= Slaughter livestock	18= Take on new jobs by members not currently employed (including food-for-work or cash-for-work)
4= Lease out land (including under share-cropping arrangements)	19= Sell or rent out household durable items (e.g., radio, bed, wardrobe, etc.)
<b>Migration</b>	20= Sell or rent out productive assets (e.g., plough, water pump, miller, etc.)
5= Migrate (either at least one household member or the entire household)	21= Sell or rent out land/dwelling
6= Send children or other household members to live elsewhere	22= Sell crop stock (e.g. fire sales)
<b>Coping strategies to reduce expenditures</b>	23= Use money from savings
9= Reduce expenditures on education (e.g. take children out of school)	24= Get credit for crop/livestock production from banks or other formal financial institutions
10= Reduce expenditures on health (e.g. reduce visits to clinics even if necessary)	25= Take out informal loans for crop/livestock from traditional financial institutions (RUSACO, microfinance, or other informal financial institutions)
11= Move to less expensive housing	26= Get money from a relative that migrated (remittances)
12= Reduce food consumption involuntarily (e.g. eat fewer meals a day, skip days without eating, reduce meal portions, change to less preferred food options)	<b>Other strategies</b>
13= Change agricultural practices (e.g. use fewer or less expensive inputs)	27= Engage in spiritual efforts (e.g. prayers, sacrifices, divine consultations)
<b>Coping strategies to get more food or money</b>	28= Do nothing
14= Receive unconditional help from friends or relatives (e.g. food sharing, money donations)	96= Other, please

Does your community have a disaster planning group or group?	Does your community have institutions where people can receive assistance due to losses of crops or livestock	Does your household hold any savings	Does the household have access to credit or saving institutions
1= Yes 2=No	1= Yes 2=No	1= Yes 2=No	0= there is no institution in the community providing credit or saving support, 1= there is one type of support is provided 2 = both types of support are provided
Q1014	Q1015	Q1017	Q1018

Q1020	If your household had a problem and needed <i>money or food</i> urgently, would you be able to get it from <u>relatives living in this community</u> ?	1= Yes 2=No
Q1021	If your household had a problem and needed <i>money or food</i> urgently, would you be able to get it from people in your <u>community who are not your relatives</u> ?	1= Yes 2=No
Q1022	If <u>a relative in this community</u> had a problem and needed <i>money or food</i> urgently, would you be able to give money or food?	1= Yes 2=No
Q1023	If <u>someone who is not your relative</u> , but lives in this community had a problem and needed <i>money or food</i> urgently, would you be able to give money or food?	1= Yes 2=No
Q1024	If your household had a problem and needed <i>money or food</i> urgently, would you be able to get it from <u>relatives living elsewhere</u> ?	1= Yes 2=No
Q1025	If your household had a problem and needed <i>money or food</i> urgently, would you be able to get it from people <u>outside of your community who are not your relatives</u> ?	1= Yes 2=No
Q1026	If <u>a relative outside of your community</u> , had a problem and needed <i>money or food</i> urgently, would you be able to give money or food?	1= Yes 2=No
Q1027	If <u>someone who is not your relative</u> , outside of your <u>community</u> had a problem and needed <i>money or food</i> urgently, would you be able to give money or food?	1= Yes 2= No
Q1028	Please tell me which one of these two <u>views you</u> most agree with.	1= "Each person is primarily responsible for his/her success or failure in life".



		<b>2=“One’s success or failure in life is a matter of his/her destiny”.</b>
<b>Q1029</b>	Please tell me which one of these two <u>views you most</u> agree with.	<b>1= “To be successful, above all one needs to work very hard”.</b> <b>2= “To be successful, above all one needs to be lucky”.</b>
<b>Q1030</b>	Are you willing to move somewhere else to improve your life?	<b>1= Yes</b> <b>2= No</b>
<b>Q1031</b>	Do you agree that one should always follow the advice of the elders?	<b>1=Yes</b> <b>2=No</b>
<b>Q1032</b>	Do you communicate regularly with at least one person outside the village?	<b>1=Yes</b> <b>2=No</b>
<b>Q1033</b>	During the past week, have you engaged in any economic activities with members of other groups? For example, farming, trading, employment, borrowing or lending money.	<b>1=Yes</b> <b>2=No</b>
<b>Q1034</b>	How many times in the past month have you got together with people to have food or drinks, either in their home or in a public place?	<b>[...] Times</b>
<b>Q1035</b>	How many times in the past month have you attended a church/mosque or other religious service?	<b>[...] Times</b>
<b>Q1036</b>	In the last 12 months, how many times have you stayed more than 2 days outside this community?	<b>[...] Times</b>

		<b>Strongly disagree</b>	<b>Disagree</b>	<b>Slightly disagree</b>	<b>Slightly agree</b>	<b>Agree</b>	<b>Strongly agree</b>
<b>Q1037</b>	I feel like what happens in my life is mostly determined by powerful peoples.	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Q1038</b>	My experience in my life has been , that what is going to happen will happen.	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Q1039</b>	My life is chiefly controlled by other powerful people.	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Q1040</b>	It is not always wise for me to plan too far ahead because many things turn out to be a matter of good or bad fortune.	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Q1041</b>	I can mostly determine what will happen in my life.	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Q1042</b>	When I get what I want, It is usually because I worked hard for it.	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Q1043</b>	My life is determined by my own actions.	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Q1044</b>	Most people are basically honest.	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Q1045</b>	Most people can be trusted.	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Q1046</b>	I trust my neighbors to look after my house if I am away.	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>

## MODULE 10a: KOWELEDGE SHARING

	In general, do you agree or disagree with the following statements.	Strongly disagree	Disagree	Slightly disagree	Slightly agree	Agree	Strongly agree
Q1001a	I am fully accepted within my community.	1	2	3	4	5	6
Q1002a	I am considered a leader within my community.	1	2	3	4	5	6
Q1003a	I always follow the guidelines of programs and district authorities.	1	2	3	4	5	6
Q1004a	I am fully committed and willing to share knowledge and information about best agricultural practices with other farmers in my community.	1	2	3	4	5	6
Q1005a	If a farmer in the community faces a crop or livestock pest manifestation, I would teach the farmer the best pests and diseases control practices for free?	1	2	3	4	5	6
Q1006a	I share knowledge and information about best agricultural practices with other farmers in my community only if I am paid for sharing the information.	1	2	3	4	5	6

## MODULE 11: ACCESS TO ASSISTANCE PROGRAMS

During the past 2 years, did you or anyone in your household received any assistance through ... from the government or non-governmental institution (NGO, church, mosque, etc.)? <b>1= Yes</b> <b>2=No &gt;&gt; Next item</b>	What is the name of the organization or institution who provided this assistance?  <b>Enter codes from list</b>	Was this program provided to the entire household or to specific individuals in the household?  <b>1= Entire HH &gt;&gt; Next item</b> <b>2= Specific persons</b>	Which individuals in the household were provided this program?  <b>List HH member ID from Module 2</b>		
Q1100	Q1101	Q1102	Q1103a	Q1103b	Q1103c
1. Emergency food distribution					
2. Food-for-work other					
3. Cash-for-work other					
4. Inputs-for-agricultural-work program					
5. Schooling for children					
6. Provision of housing materials/latrine					
7. Installation of water points					
8. Disaster response program					
96.Other, please specify					

Q1101
Source of assistance programs
1= Government, 2= WFP, 3= IFAD, 4=USAID, 5=World Bank, 6= UNICEF, 7= International NGO, 8= Local NGO, 9= Religious institutions, 10= Private sector, 11= TASAF ( Tanzania social action fund) 96= Other, please specify

## MODULE 12: CAPACITY-BUILDING SUPPORT

<b>Q1201</b>	Have you or anyone in your household ever received any vocational (job) or skill training?	
<b>Q1202</b>	Who is responsible for providing the vocational or skill training? (select the most important provider)	
<b>Q1203</b>	Have you or anyone in your household ever received any support from drip irrigation initiatives?	
<b>Q1204</b>	Who is responsible for providing the support from drip irrigation initiatives? (select the most important provider)	
<b>Q1205</b>	Have you or anyone in your household ever benefited from the community dairy cows' shed?	
<b>Q1206</b>	Who is responsible for providing the community dairy cows' shed? (select the most important provider)	
<b>Q1207</b>	Have you or anyone in your household ever benefited from the community goats' shed?	
<b>Q1208</b>	Who is responsible for providing the community goats' shed? (select the most important provider)	
<b>Q1209</b>	Have you or anyone in your household ever received any support from a Community Animal Health Workers (CAWH)?	
<b>Q1210</b>	Who is responsible for providing the support from the Community Animal Health Workers (CAWH)? (select the most important provider)	
<b>Q1211</b>	Have you or anyone in your household ever received support from a veterinarian?	
<b>Q1212</b>	Who is responsible for providing the support from a veterinarian? (select the most important provider)	
<b>Q1213</b>	Have you or anyone in your household ever accessed a veterinary or livestock centre?	
<b>Q1214</b>	Who is responsible for providing the veterinary or livestock centre? (select the most important provider)	
<b>Q1215</b>	Have you or anyone in your household ever accessed an artificial insemination services for animals?	
<b>Q1216</b>	Who is responsible for providing the artificial insemination services for animals? (select the most important provider)	
<b>Q1217</b>	Have you or anyone in your household ever accessed a business incubation centre?	
<b>Q1218</b>	Who is responsible for providing the business incubation centre? (select the most important provider)	
<b>Q1219</b>	Have you or anyone in your household ever accessed a bull centre?	
<b>Q1220</b>	Who is responsible for providing the bull centre? (select the most important provider)	
<b>Q1221</b>	Have you or anyone in your household ever received any support from inseminators?	
<b>Q1222</b>	Who is responsible for providing the support from the inseminators? (select the most important provider)	
<b>Q1223</b>	Have you or anyone in your household used a biogas plant in your current community?	
<b>Q1224</b>	Who is responsible for providing the biogas plant in your community? (select the most important provider)	

<b>Q1201 to Q1224</b>
Source of Building Support
<b>1= Government</b> <b>2=IFAD/ASPD-L/ASSP/MIVARF</b> <b>3= International NGO</b> <b>4= Local NGO</b> <b>5= Religious institutions</b> <b>6= Private sector</b> <b>96= Other, please specify</b>

<b>Q1201 to Q1224</b>
Participation in Building Support
<b>1= Yes</b> <b>2= No</b>

## MODULE 14: NETWORK

Items	Do you belong to this group?  1=Yes>>Q1402 2=No>>next item	When did you join this group?  Month and Year (4 digits)	How often do the members of the organization meet? 1= Weekly 2= Monthly 3= Quarterly 4= Semi-annually 5= Annually 96= other, please specify	What is the distance to the meeting area of this group?  In Km (if less than 1, put 0) Minimum 0.	How long does it take you to reach the meeting area of this group?  One way in minutes Minimum 0.
Q1400	Q1401	Q1402	Q1403	Q1404	Q1405
1. District Farmer Fora					
2. Agricultural Coop					
3. Farmer Field School					
4. Farmers' Group					
5. Livestock Assoc.					
6. Fishing group					
7. Savings and Credit Coop					
8. Civic group (improving community) or charitable group (helping others)					
9. Religious group					
10. Local group					
11. Business Assoc.					
12. Youth Group					
13. Cultural Group					
14. Sports Group					
15. Community Police/Watch Group					
16. Disabled Assoc.					
17. Village implementation group (VIG)					
18. Village committee					
19. Water user association (WUA)					
20. Marketing support association					
21. Product certification association					
22. Product safety association					
23. Poverty mutual fund					
24. Women's microcredit group					
25. Women's support association					
26. Group managing communal land					
27. Group managing communal forest use					
28. Group managing communal water for irrigation					
29. Disaster or emergency planning or coping group					

30. Other, please specify					
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## MODULE 14b: ACCESS TO INFRASTRUCTURE

<b>Q1410</b>	Did the household live in the same shehia 10 years ago?		1= Yes 2= No
<b>Q1411</b>	Did this shehia have access to electricity 10 years ago?		1= Yes 2= No
<b>Q1412</b>	Was public water supply available in this shehia 10 years ago?		1= Yes 2= No
<b>Q1413</b>	What was the main source of drinking water in this shehia 10 years ago?		1=pipes / tap water, 2=water truck, 3=public well, 4=private well, 5=rain water from tank, 96=other, specify
<b>Q1414</b>	What was the main kind of waste water disposal in this shehia 10 years ago?		1=discharge to the ground, 2=discharge to a pond/ lake 3= waste water truck 4=waste water pipes 96= other, specify
<b>Q1415</b>	What was the main kind of solid waste disposal in this shehia 10 years ago?		1=burn 2=dumping site 3=public disposal 96=other, specify
<b>Q1416</b>	Did this shehia have [INFRASTRUCTURE TYPE] 10 years ago?	primary school	1= Yes 2= No
		junior secondary school	1= Yes 2= No
		senior secondary school	1= Yes 2= No
		post office	1= Yes 2= No
		hospital	1= Yes 2= No
		clinic	1= Yes 2= No
		bank/ bank agency	1= Yes 2= No
		Extension office	1= Yes 2= No
<b>Q1417</b>	How far was it to the next [INFRASTRUCTURE TYPE] 10 years ago?	primary school	
		junior secondary school	
		senior secondary school	
		post office	
		hospital	
		clinic	
		bank/ bank agency	
		Extension office	
	Time in minutes		
	(in km)		
<b>Q1418</b>	What was the type of main road to the shehia 10 years ago?		1=two-lane made road, 3=all-season dirt road 2=single-lane made road, 4=dirt road, seasonally not viable
<b>Q1419</b>	What is the travel distance to next district town?		

## MODULE 15: MARKET ACCESS

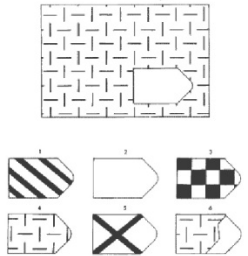
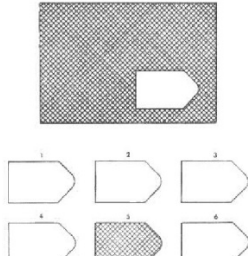
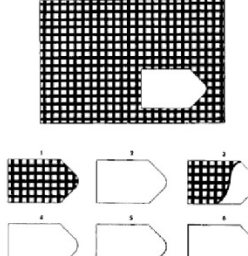
<p>Have you invested in packaging (farming or livestock activities) in the last 9 years</p> <p><b>1= Yes</b> <b>2=No &gt;&gt; skip next question</b></p>	<p>What was the amount invested over this period</p> <p><b>Tshs</b> <b>Minimum 0.</b></p>	<p>Have you invested in processing (farming or livestock activities) in the last 9 years</p> <p><b>1= Yes</b> <b>2=No &gt;&gt; skip next question</b></p>	<p>What was the amount invested over this period</p> <p><b>Tshs</b> <b>Minimum 0.</b></p>	<p>Have you invested in any marketing activities in the last 9 years</p> <p><b>1= Yes</b> <b>2=No &gt;&gt; skip next question</b></p>	<p>What was the amount invested over this period</p> <p><b>Tshs</b> <b>Minimum 0.</b></p>	<p>On average, how long does it take to travel to the market?</p> <p><b>One way trip to the market</b> <b>Minutes</b> <b>Minimum 0.</b></p>	<p>In how many different markets have you trade your produce at in the last 12 months?</p> <p><b>Number</b> <b>Minimum 0.</b></p>
<b>Q1501</b>	<b>Q1502</b>	<b>Q1503</b>	<b>Q1504</b>	<b>Q1505</b>	<b>Q1506</b>	<b>Q1507</b>	<b>Q1508</b>

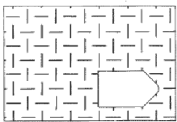
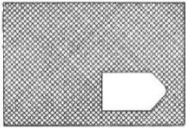
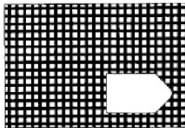
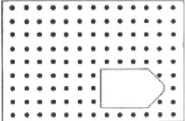
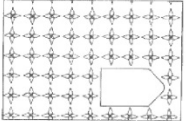
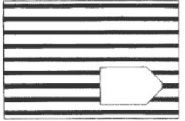
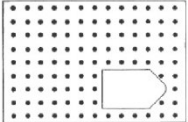
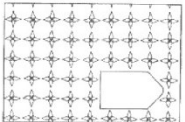
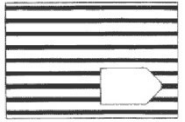



## MODULE 4.1: COGNITIVE SKILL: Ravens Test

### Note to enumerators:








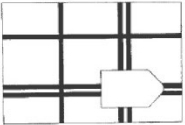




















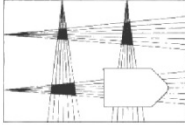






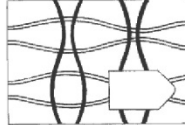













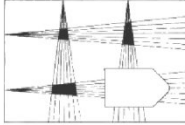






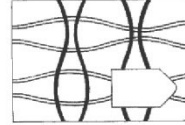






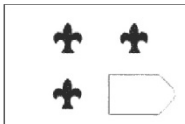






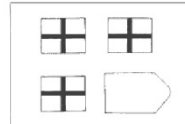






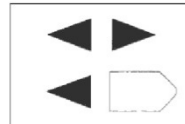






1. For the following tests, put the printed out image questions without the answers in front of the respondent in a manner that is very clear. Note that this is an observational test.
2. Look at this image on top (point to the top)( **Q4101a**). In this image there is a piece missing. Here in the bottom there are 6 different pieces(point to the bottom.) Only one piece completes the image above.
3. Look at this first piece in the bottom. It doesn't have the same design than the picture on top (point to the first piece and the image on top). The second doesn't have any design (point to the second piece). The third also has a different design than the image on top (point to the third piece and then to the image).
4. Now, can you point to the piece that completes the image (wait for answer). If they are correct: Correct, the fourth piece completes the image. If they are incorrect: The correct answer is the fourth piece. The fourth image has the same pattern as the rest of the image and is complete (point to piece 4).
5. All of the remaining image have a piece missing. Now, I'd like to ask you to point on each page which one is the piece that completes the picture. Look carefully at all pieces. The sixth piece has the same design as the image on top (point to piece 6) but has a missing piece. Take your time.

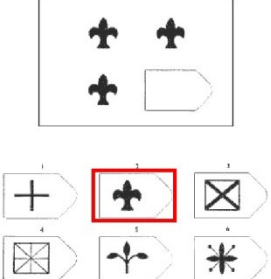
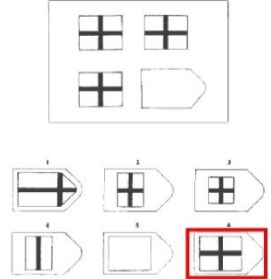
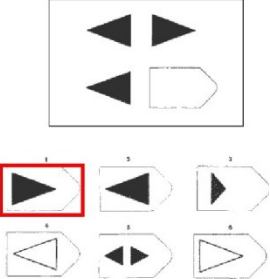
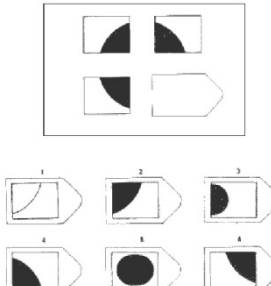
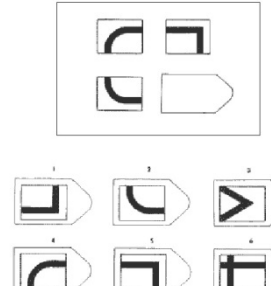
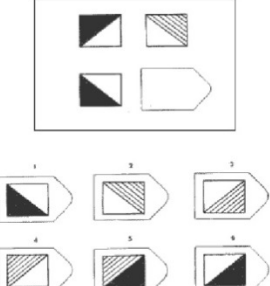
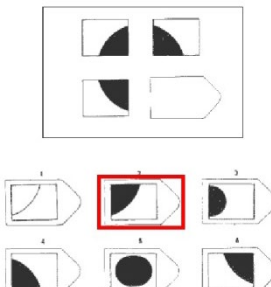
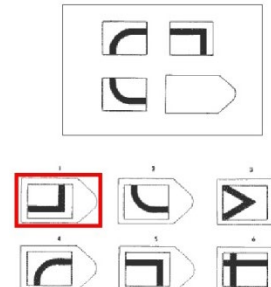
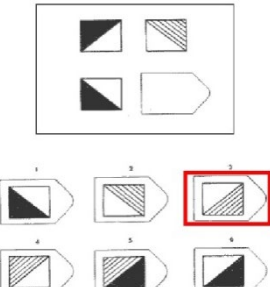
**Enumerator:** Please record if the answer is correct, incorrect or the test was interrupted because the respondent could not answer more questions. (1=correct, 2=incorrect, 3= test was interrupted because the respondent could not answer more questions)

<p><b>Q4101a</b></p> 		<p><b>Q4102a</b></p> 		<p><b>Q4103a</b></p> 	
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 <div data-bbox="300 357 551 469"> <div>1 </div> <div>2 </div> <div>3 </div> <div>4 </div> <div>5 </div> <div>6 </div> </div>		 <div data-bbox="896 351 1146 469"> <div>1 </div> <div>2 </div> <div>3 </div> <div>4 </div> <div>5 </div> <div>6 </div> </div>		 <div data-bbox="1485 351 1736 469"> <div>1 </div> <div>2 </div> <div>3 </div> <div>4 </div> <div>5 </div> <div>6 </div> </div>	
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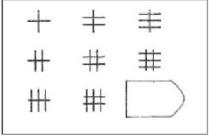
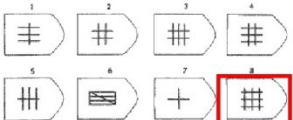
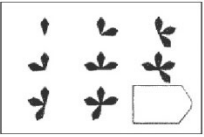
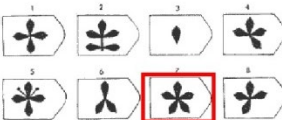
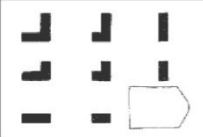
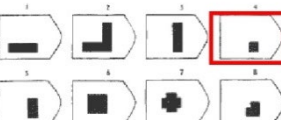
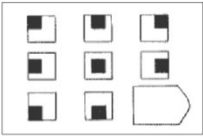
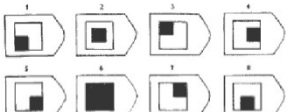
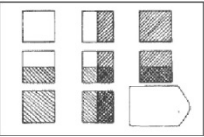
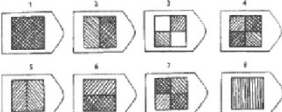
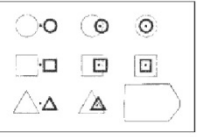
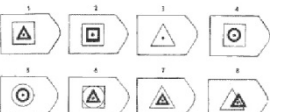
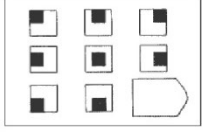
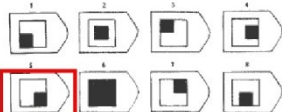
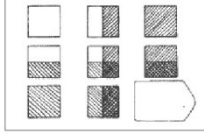
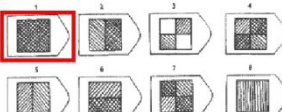
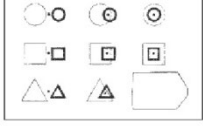
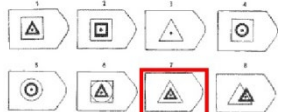


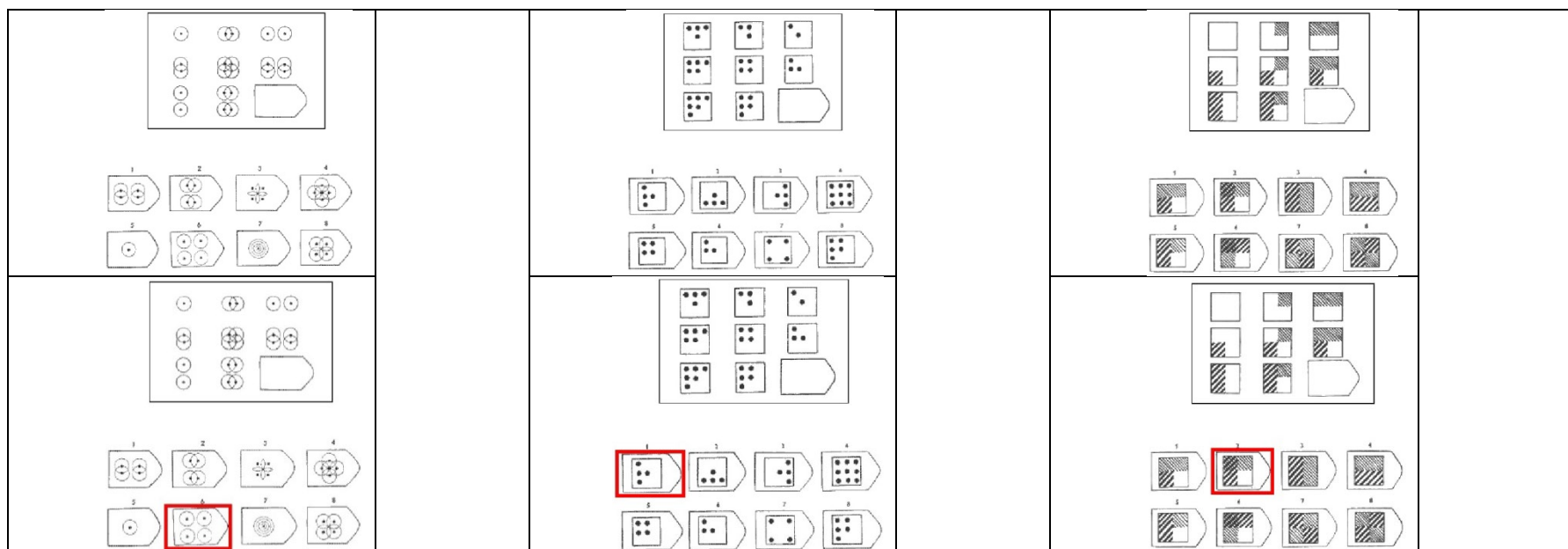
      		      		      	
<p><b>Q4110a</b></p>       		<p><b>Q4111a</b></p>       		<p><b>Q4112a</b></p>       	
      		      		      	
<p><b>Q4101b</b></p>       		<p><b>Q4102b</b></p>       		<p><b>Q4103b</b></p>       	

					
<p><b>Q4104b</b></p> 		<p><b>Q4105b</b></p> 		<p><b>Q4106b</b></p> 	
					
<p><b>Q4107b</b></p>		<p><b>Q4108b</b></p>		<p><b>Q4109b</b></p>	

<p><b>Q4110b</b></p>		<p><b>Q4111b</b></p>		<p><b>Q4112b</b></p>	

<p><b>Q4101c</b></p>		<p><b>Q4102c</b></p>		<p><b>Q4103c</b></p>	
<p><b>Q4104c</b></p>		<p><b>Q4105c</b></p>		<p><b>Q4106c</b></p>	

 		 		 	
<p><b>Q4107c</b></p>  		<p><b>Q4108c</b></p>  		<p><b>Q4109c</b></p>  	
 		 		 	
<p><b>4110c</b></p>		<p><b>Q4111c</b></p>		<p><b>Q4112c</b></p>	



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<https://www.scribd.com/doc/268865266/RAVEN-PROGRESSIVE-MATRICES-TEST-ANSWERS-PDF-FREE-DOWNLOAD-EBOOK>

## MODULE 4.2: COGNITIVE SKILL: Digit Span Forward And Backward

### Digit Span: Digits Forward (Oral)

**Note to enumerators:** For the following tests, digits forward and backward, say the digits at the rate of one per second, not grouped. Let the pitch of your voice drop with the last digit of each series. In any series if the subject fails Trial 1 - give Trial 2 of the same series, then proceed to the next series if the respondent responds correctly. Trial 2 is only given if Trial 1 is failed. Note that the respondents are not allowed to use anything for the next section

**Read out-loud the following instructions:** Now I would like to play a game called 'Digits Game'. Listen carefully when I say the number, and once I am finished, you must repeat the numbers right after me. I want you to repeat each set of numbers exactly in the same order I say them to you. For example, if I said "3-8-6", you would say 3-8-6. Or if I say "1-6-2" , you say ...?

**Enumerator:** Wait for correct response "1-6-2". If correct, start with Series Q4201. If response is incorrect, provide the correct response and attempt once more with another example. Okay, let's try another example, repeat after me, "5-3". If correct, continue. If not correct - mark "0" in Q4208 and → skip to Cognitive skill: Math Fluency (Module 4.3).

**Okay, good. Let us start with the numbers.**

**Enumerator:** Stop when respondent fails both trials.

Series	Trial 1	Trial 1 correct? (a) 1=Yes → Next Series 2=No → Trial 2	Trial 2	Trial 2 correct? (b) 1=Yes → Next Series 2=No → Module 4.3
Q4201	5-8-2		6-9-4	
Q4202	6-4-3-9		7-2-8-6	
Q4203	4-2-7-3-1		7-5-8-3-6	
Q4204	6-1-9-4-7-3		3-9-2-4-8-7	
Q4205	5-9-1-7-4-2-8		4-1-7-9-3-8-6	
Q4206	5-8-1-9-2-6-4-7		3-8-2-9-5-1-7-4	
Q4207	2-7-5-8-6-2-5-8-4		7-1-3-9-4-2-5-6-8	

**Okay good. Enumerator:** mark the score in Q4210

Q4208	Total score (enter the series number in the longest series repeated without error in Trial 1 or 2) (Maximum = 7 points)	
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## MODULE 4.2: COGNITIVE SKILL: Digit Span Forward And Backward

### Digit Span: Digits Backward

**Note to enumerators:** Note that the respondents are not allowed to use anything for the next section

Read out-loud the following instructions:- Now I would like to play the same game, but this time when I stop, I want you to repeat the numbers I say backwards. For example, if I said "1-2-3", you say 321. Indicate backwards logic with your hands . Or if I say "3-5", what would you say?

**Enumerator:** Wait for subject to say 5-3. If response is correct, start with Series 2. If respondent does not reply correctly or fails to understand, give the correct answer and another example, saying Remember, you are to say them backwards. Try this, "3-8". If response is correct, continue. If fails second example, mark "0" in Q4218 and skip to Cognitive skill: Math Fluency (Module 4.3).

Okay, let's start.

**Enumerator:** Stop when respondent fails both trials.

Series	Trial 1	Trial 1 correct? (a) 1=Yes → Next Series 2=No → Trial 2	Trial 2	Trial 2 correct? (b) 1=Yes → Next Series 2=No → Module 4.3
Q4211	2-4		5-8	
Q4212	6-2-9		4-1-5	
Q4213	3-2-7-9		4-9-6-8	
Q4214	1-5-2-8-6		6-1-8-4-3	
Q4215	5-3-9-4-1-8		7-2-4-8-5-6	
Q4216	8-1-2-9-3-6-5		4-7-3-9-1-2-8	
Q4217	9-4-3-7-6-2-5-8		7-2-8-1-9-6-5-3	

Okay good. **Enumerator:** mark the score in Q4218

Q4218	Total score (enter the series number in the longest series repeated without error in Trial 1 or 2) (Maximum = 7 points)	
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## MODULE 4.3: COGNITIVE SKILL: Math Fluency

**Note to enumerators:** Hold the Fluency in Mathematics Exercise Sheet in vertical position in front of you. Make sure the respondent cannot analyze the exercises before you indicate.

**Read out-loud the following instructions exactly as they are written:**

1. I will now ask you to work on some math exercises. Begin here (Slide your finger along the first row from left to right.)
2. The exercises must be completed from left to right and row by row. When you are done with the first line, continue on the one below (Indicate the direction in which it should be completed).
3. Pay careful attention to the signs in the operations: Some are sums, others subtractions and others are multiplications (Point to the signs)
4. Work on each exercise until you finish the page. Then, continue at the top of the following page (Show the second page). You won't necessarily be able to complete all the exercises. You may skip the ones you find too difficult. You should complete as many operations as you can in 3 minutes. (Return to the front page)
5. If you make a mistake, erase it and correct it. If you finish before time, let me know so that I stop the watch. Hand the sheet and the pencil to the interviewee. If after 1 minute the person has not begun or has answered 1 item or less, stop the test and record 1 minute.

After they have completed the questions, please review their answers, and ask for clarification on any of their numbers that are difficult to read because of handwriting. Make sure that the respondent has filled in all necessary identification forms.

Take the page back. Please record the total time spent on this section: put first minutes in the first case, and then seconds in the second case. (For example, if the respondent took 3 minutes and 02 seconds, you would first fill in 3 for the minutes case (M1), and then fill in 2 for the second case(M2)).

Q4301	How much time did the respondent spend on this section?	M1	M2
Q4302	If the respondent spent in total less than 3 minutes on this module, why did the respondent finish early? 1=Respondent refused to take the test 2=Test was interrupted because the respondent could not answer more questions 3=Respondent finished all of the questions earlier 96=Other, specify		

1 +7	5 -2	8 +1	5 -0	2 +7	1 +5	1 -1	1 +4	2 -2	3 -1
4 -3	1 +1	6 -3	3 +0	3 -2	4 -4	1 +2	6 -1	0 +0	4 +2
3 -3	6 +1	5 +3	3 -0	4 -2	4 +3	2 -1	2 +2	4 -1	0 +5
9 -3	7 +7	10 -6	3 +9	6 +2	7 -4	5 +5	8 -3	0 +8	5 -1

8 +6	9 -4	8 +2	7 -2	10 -2	4 +4	5 -3	4 +8	8 -1	6 +6
1 +3	10 -10	5 -4	5 +7	6 -2	8 -6	9 +1	6 -6	3 +3	5 +2
7 +3	1 ×3	2 ×2	10 -5	8 -8	4 ×1	7 +8	1 ×5	0 ×1	6 -5
3 ×0	6 +4	9 -2	2 ×1	3 ×2	5 +9	0 ×4	9 -9	6 +3	1 ×1
9 +7	6 ×0	10 -0	4 ×3	1 ×7	9 -5	2 ×4	5 +6	3 ×5	8 -7
5 ×2	9 -6	1 ×8	2 +3	7 -7	9 ×1	5 +4	3 ×3	10 -7	6 ×2
7 ×4	5 +8	10 -1	9 ×3	8 -2	6 +9	4 ×4	10 -3	5 ×8	1 ×6
7 +6	9 ×2	7 ×5	8 -4	9 ×5	8 ×9	7 -0	6 ×4	9 +2	10 -8
6 ×7	10 -4	9 ×9	7 -1	5 ×6	9 -7	8 ×2	5 -5	6 ×8	4 +9
10 -9	8 ×4	4 -0	6 ×9	8 +8	7 -6	3 ×8	9 ×4	8 +3	7 ×7
7 -3	8 ×0	3 ×6	9 +9	8 ×7	4 ×5	9 -8	8 -5	6 ×6	0 +4
9 ×7	4 +7	5 ×5	7 ×3	6 -4	7 -5	8 +9	7 ×2	9 -1	8 ×8

## MODULE 4.4: COGNITIVE SKILL: Numeracy

**Note to enumerators:** Read the following instructions and questions in a slow regular pace to the respondent. Provide pencil and paper to the respondent to make calculations. No other material may be used.

**Read out-loud the following instructions:** Now I am going to ask you some mathematical questions regarding hypothetical scenarios. They will vary in difficulty. Try to answer the ones you can. Please listen carefully.

Q4401	Imagine you have 3 bags of maize and your father has 8 bags. How many bags do you have in total between the two of you?	
Q4402	Imagine there were 3 children and they have 6 avocados each, how many do they have in total?	
Q4403	Suppose you want to buy a bag of rice that costs 370 Tshs. If you pay with a 1,000 Tshs note, how much change would you get back?"	
Q4404	Imagine you have 4,200 Tshs and a friend gives you another 5,300 Tshs. How many Tshs would you have in total?"	
Q4405	Suppose 5 people had to share equally a prize of 18,000 Tshs. How much money would each person get?	
Q4406	There are 2 fertilizers available in the market for the same price. Imagine you had tried both fertilizers on two plots of maize. When you applied Fertilizer 1, the number of bags you harvested increased from 2 bags to 6 bags. When you applied Fertilizer 2, the number of bags you harvested increased from 5 to 7 bags. Which fertilizer is more profitable:	
Q4407	There are 2 fertilizers available in the market for different prices. Imagine you had tried both fertilizers in similar conditions. Fertilizer A costed 1,000 Tshs and increased your sales by 2,000 Tshs. Fertilizer B costed 1,500 Tshs and increased your sales by 2,200 Tshs. Which fertilizer was more profitable?	
Q4408	If there are 1,000 people, and the chance of getting a disease is 23 percent, how many out of 1,000 people would be expected to get the disease?"	

### MODULE 4.5: COGNITIVE SKILL: Reading (subjective)

**Read out-loud the following instructions:** Please answer the following questions about your reading level on a scale of 1 to 5. (Show the scale, and indicate with your finger as you explain), where 1 indicates you cannot perform the exercise at all and 5 indicates you can perform it perfectly on your own without any help and without making any mistakes.

<b>Q4501</b>	<p>To what extent can you read a newspaper in Swahili?</p> <p>1=I cannot perform the exercise at all  2= I can barely perform the exercise  3=I can more or less perform the exercise  4= I can perform the exercise well  5=I can perform the exercise perfectly</p>	
<b>Q4502</b>	<p>To what extent can you write a letter to a relative in Swahili?"</p> <p>1=I cannot perform the exercise at all  2= I can barely perform the exercise  3=I can more or less perform the exercise  4= I can perform the exercise well  5=I can perform the exercise perfectly</p>	
<b>Q4503</b>	<p>To what extent can you read a newspaper in English?</p> <p>1=I cannot perform the exercise at all  2= I can barely perform the exercise  3=I can more or less perform the exercise  4= I can perform the exercise well  5=I can perform the exercise perfectly</p>	
<b>Q4504</b>	<p>To what extent can you write a letter to a relative in English?</p> <p>1=I cannot perform the exercise at all  2= I can barely perform the exercise  3=I can more or less perform the exercise  4= I can perform the exercise well  5=I can perform the exercise perfectly</p>	

	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
<b>1 =</b> <b>I cannot perform</b> <b>the exercise at all</b>			<b>5=</b> <b>I can perform the</b> <b>exercise perfectly</b>			

## MODULE 4.5: COGNITIVE SKILL: Reading (Exercise)

**Read out-loud the following instructions:** I am going to ask you to read the following text silently. I would like to ask you some questions about it afterwards. I will read the questions out to you when you finish reading the text. Give reading sheet with exercise 1 on top to respondent. Let me know when you are done."

### Exercise 1

Fingo is a new product to protect cotton from insects. This product is safe for the farmers' health to use it and it is friendly with the environment. Fingo should be used during flowering of the plant.

Q4505	True or false: According to the text, Fingo is a product that protect plants against rats. "ukweli ama hapana: Kulingana na arafa, Fingo ni dawa ambayo hulinda mmea kwa panya" 1=True 2=False	
Q4506	True or false: According to the text, the product called Fingo may damage the environment. "ukweli ama hapana: Kulingana na arafa, Fingo ni dawa ambayo inaweza haribu mazingira" 1=True 2=False	
Q4507	According to the text, Fingo protects which crop? " Kulingana na arafa, Fingo hulinda mmea gani?" 1=Cotton 96=Others	
Q4508	According to the text, when should Fingo be used? "Kulingana na arafa, ni wakati gani fingo inafaa kutumika?" 1= During the flowering of the plant 96=Others	

### Exercise 2

Application instructions: RL-4 is a biological pesticide. To apply this pesticide you must spray it on the plant. You must wait at least 6 hours before putting water on the plant after applying the pesticide. You must wear protective clothing when using RL-4 to avoid contact with your eyes and skin. Storage: You should store RL-4 in a cool, dry place.

Q4509	True or false: According to the text, RL-4 is a product that kills pests. "ukweli ama hapana: Kulingana na arafa,RL-4 ni dawa ambayo huuwa wadudu" 1=True 2=False	
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Q4510	True or false: According to the text, you should avoid contact of RL-4 with your eyes and skin. "ukweli ama hapana: Kulingana na arafa, inafaa uzuie RL-4 isikuingilie kwa macho ama iguze mwili." 1=True 2=False	
Q4511	According to the text, how long should you wait before watering the plant after applying RL-4 on it? "ulingana na arafa,kwa muda gani unafaa kungoja kabla kunyunyuza maji baada ya kuinyunyuzia RL-4" 1= at least 6 hours 96=Others	
Q4512	According to the text, where should you store RL-4? "Kulingana na arafa,ni wapi unafaa kuhifadhi RL-4?" 1=In a cool, dry place 96=Others	

### Exercise 3

Goodgrowth is a fertilizer that provides sulfur to the plant and should be used only for the cultivation of cereals. It is recommended to combine Goodgrowth with a basal fertilizer such as Goodroots, to be applied at planting. Farmers should apply two teaspoons of Goodgrowth per plant, four weeks after planting. Apply it at 10 centimeters from the plant. Goodgrowth also performs best when the crop is irrigated.

Q4513	True or false: According to the text, Goodgrowth should be applied at planting. "ukweli ama hapana: Kulingana na arafa, Goodgrowth inafaa kutumika wakati wa kupanda." 1=True 2=False	
Q4514	True or false: According to the text, Goodgrowth should be used for vegetables. "ukweli ama hapana: Kulingana na arafa, Goodgrowth inafaa kutumika kwa mboga." 1=True 2=False	
Q4515	According to the text, what nutrient can you find in Goodgrowth? "Kulingana na arafa, ni madini gani inaweza kupatikana kwa Goodgrowth?" 1=Sulfur 96=Others	
Q4516	According to the text, where should Goodgrowth be applied? "Kulingana na arafa, ni wapi Goodgrowth inafaa kuwekwa?" 1=10 centimeters from the plant 96=Others	

## MODULE 16: FFS

Note: Module 16 to 18 should only be administered to FFS beneficiaries and the respondent should be the participants themselves.

How many FFS did you participate in?  <b>Unit (count)</b>  <b>This answer needs to be identical with the answer in Q115 (module 1, household identification cover sheet).</b>  <b>Ask the following questions for each FFS where this person attended trainings until the end of the module 14.</b>	Who in your household has attended a Farmer Field School?  SELECT UP TO THREE MEMBERS FROM HOUSEHOLD ROSTER	Name of the FFS or name of facilitator?  <b>FFS Name or Name of facilitator to link this module to the data in the enumeration</b>  Multiple answers allowed (as there might have been a change in the FFS facilitator in a FFS)	Type of FFS facilitators?  <b>1=Extension Worker 2=Lead Farmer 3=Others, please specify</b>	Sex of FFS facilitators?  <b>1=Female 2=Male</b>	What was the activity of the FFS?  <b>Enter Code</b>  <b>Multiple answers possible</b>	When did this FFS start?  <b>Month (MM) Year (YYYY)</b>  <b>Earliest date possible is 09 2007.</b>	When did this FFS end?  <b>Month (MM) Year (YYYY)</b>  <b>The end dates cannot be before the start date.</b>  <b>Latest date possible is today's date. The earliest date possible is 09 2008.</b>	What was the main reason which pushed you to attend these FFS?  <b>1=Access to input markets 2=Receive extension services 3=Access to market for crops 4=Access to credit 5=Social functions / networking 6=Curiosity 96=Other, please specify</b>	How far did you have to travel to reach the FFS meeting point?  <b>Travel time in minutes (both ways)</b>	Did you attend all the FFS trainings?  <b>1= Yes 2=No</b>	How many days per week did you attend FFS trainings sessions?  <b>Unit (count)</b>  <b>Minimum 0.</b>	How many FFS trainings did you miss or were not able to attend?  <b>Unit (count)</b>	Are you aware of that there is a DFF in your district?  <b>1= Yes 2=No - &gt; Q1701</b>	Did the DFF's activities affect you?  <b>1= Yes 2=No</b>	How did the DFF's activities affect you?  <b>1= Increased crop yield or livestock production 2= Improved access to production inputs and services 3= Reduced cost of production inputs and services 4= Increased income from crop or livestock production 5= Improved technical capacity 6= Better access to information and linkages to the market 96= Other, please specify</b>	How would you rate the technical competency of the DFF in fulfilling his or her role?  <b>1=Very low 2=Low 3=Moderate 4=High 5=Very high</b>
Q1601	Q1602a Q1602b Q1602c	Q1603	Q1604	Q1605	Q1606	Q1607	Q1608	Q1609a Q1609b Q1609c	Q1610	Q1611	Q1612	Q1613	Q1614	Q1615	Q1616	Q1617
1																
2																
3																
4																
5																

Q1603 FFS activity
1= Vegetables, 2= Cassava, 3= Goat, 4= Chicken, 5= Banana, 6= Rice, 7= Cow

## MODULE 17a: FFS Vegetables

Ask these questions if the respondent answered 1 in Q1603 for Direct Beneficiary (FFS participant) and .in Q122 for Non-beneficiaries (control farmers).

Are you familiar with the following improved practices?  1= Yes >> Next question 2=No >> Next item	Is this a new practice in your community?  1= Yes >> Next question 2=No 99=Not applicable >>Next item Some of these practices may not be applicable in all environments.	Where did you hear about this practice?  1= FFS, 2=Friends, 3= Neighbors, 4= News, 5= Other, please specify	Have you ever adopted or used these practices on your farm?  0=No >> Next item 1= Yes partially >> Next question 2= Yes fully >> Next question 99=Not applicable >>Next item	If no, why have you not adopted the practices on your farm?  1=Insufficient information on them 2=Too expensive 3=Labor constraint 4=Capital constraint 5=No technical support 6=Lack of inputs/expensive inputs 7= not interested in topics covered 8=do not believe information given is reliable 96=Others, please specify	Are you currently using this practice on your farm?  0= Yes partially 1= Yes fully 2=No	How useful was the advice received on [TOPIC] at the Farmer Field School?  1=Very useful 2=Somewhat useful 3=Not useful
Q1701	Q1702	Q1703	Q1704	Q1705	Q1706	Q1707
<b>LAND PREPARATION</b>						
1. Clearing and burning the wild trees and grass						
2. Plowing						
3. Forming terraces of 6 cm of length of 3 cm of width						
4. Having the terraces on mounds to ensure that the terraces are not destroyed by water floods.						
5. Using manure when preparing the land from cows, goats, chickens, other animals and dead plants as natural fertilizer						
6. Using the ashes from burning of wild trees and grass as fertilizer						
<b>KEEPING TRACK OF PRODUCTION</b>						
7. Keeping track of all expenditures such as seeds, ropes or other equipment and their prices.						
8. Keeping track of the amount of time spent on each crop						
9. Keeping track of plan for each crop e.g. when you ploughed the land, when you planted etc.						
10. Keeping track of each activity performed on the crops. The farmers were trained to track the dates of planting and the dates of appliance and quantity of inputs. For example, farmers were recommended to keep track of the dates and quantity of fertilizer they applied or water they						



used.						
11. Keeping track of crop diseases.						
12. Keeping track of weather patterns						
13. Keeping track of the harvesting (dates and quantities)						
14. Keeping track of the sales (prices, quantity and revenue)						
15. Keeping track of profits or losses						
<b>PLANTING OF CROP</b>						
16. Planting during the rainy season is the best time to plant vegetable to achieve the highest production. Planting in the other season will not generate the highest production but will gain the highest prices.						
17. Buying expensive seeds as they are the best ones.						
18. Planting of seeds should only take place when the seeds are not mixed with dust or dirt						
19. The space between plants should be more than 30 centimeters apart.						
20. Digging shallow holes for planting the vegetables						
21. Put the fertilizers in the holes and watering the holes. Water the hole morning and evening.						
22. Placing fertilizer at the top of the hole						
23. Water the ground after planting so that the fertilizer goes to the bottom of the hole.						
<b>INTERCROPPING</b>						
24. Planting spinach if farming watermelon						
<b>METHODS FOR EFFICIENT HANDLING OF FIELD</b>						
25. Cleaning every day the farm and not having or be near weeds.						
26. Spraying weed killer which helps prevent the weeds from growing.						
27. Using natural inputs such as leaves from the neem tree (crushing and soaking the leaves in water for 7 to 21 days and subsequently applying the leaves on the vegetables) to kill the diseases and pests.						
28. Removing all worms from the plant						
29. Placing animal droppings in a hole, covering with grass, watering, waiting for fermentation and after it has decomposed, using it as fertilizer.						
30. Preparing fertilizer from grasses, old trees, decomposed dry leaves or coconut dust.						
<b>CROP PESTS AND DISEASES CONTROL</b>						
31. Using traps to get rid of pests						
32. Spraying the plants against pests						
33. Using fungicides as a preventative measure against pests						
34. Soon after planting, uprooting, removing and destroying the vegetable crops with pests and diseases (if these crops are not destroyed then the pests will simply migrate to another healthy vegetable crop).						
35. Separating the plot in 2 to deal with pests more efficiently						
<b>AGRIBUSINESS</b>						
36. Planting at a specific time to harvest when the demand for the product is high in the market.						
37. Trying to lower costs						
38. Identifying the market to sell the production (where to sell the production)						
39. Making the produce look appealing for customers						
<b>CLIMATE CHANGE</b>						
40. Stopping deforestation or land clearing for farming						
<b>HARVESTING OF CROP</b>						
41. Harvesting when the plant starts to have the right color.(red for tomatoes for example)						
42. Harvesting the vegetable with the stem attached						
43. Spreading the harvested vegetables on the ground in a room to allow them to ripen.						
<b>STORAGE OF CROP</b>						

44. Storing the harvested vegetables in a safe well ventilated room without any pest like rats which would destroy them.						
45. Covering the vegetables at nights to protect the vegetables from pest and uncovering them during the day so that the vegetables can get some air.						
46. If the harvest is very large, drying the vegetables can be a good way to preserve them						
<b>CONSUMPTION OF CROP</b>						
47. Tomatoes can be used as juice or jam						
<b>BASIC KNOWLEDGE OF NUTRITION:</b>						
48. Drinking milk has many healthy nutrients.						
49. The need for a balanced diet with carbohydrates, fat, protein, vitamin and vegetables.						

## MODULE 17b: FFS Cassava

Ask these questions if the respondent answered 2 in Q1603 for Direct Beneficiary (FFS participant) and .in Q122 for Non-beneficiaries (control farmers).

Are you familiar with the following improved practices?  <b>1= Yes &gt;&gt; Next question</b> <b>2=No &gt;&gt; Next item</b>	Is this a new practice in your community?  <b>1= Yes &gt;&gt; Next question</b> <b>2=No &gt;&gt; Next item</b> <b>99=Not applicable &gt;&gt;Next item</b> Some of these practices may not be applicable in all environments .	Where did you hear about this practice?  <b>1= FFS,</b> <b>2=Friends</b> <b>3= Neighbors</b> <b>4= News</b> <b>5= Other, please specify</b>	Have you ever adopted or used these practices on your farm?  <b>0= Yes partially</b> <b>1= Yes fully</b> <b>2=No</b>	If no, why have you not adopted the practices on your farm?  <b>1=Insufficient information on them</b> <b>2=Too expensive</b> <b>3=Labor constraint</b> <b>4=Capital constraint</b> <b>5=No technical support</b> <b>6=Lack of inputs/expensive inputs</b> <b>7= not interested in topics covered</b> <b>8=do not believe information given is reliable</b> <b>96=Others, please specify</b>	Are you currently using this practice on your farm?  <b>0= Yes partially</b> <b>1= Yes fully</b> <b>2=No</b>	How useful was the advice received on [TOPIC] at the Farmer Field School?  <b>1=Very useful</b> <b>2=Somewhat useful</b> <b>3=Not useful</b>
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Q1701	Q1702	Q1703	Q1704	Q1705	Q1706	Q1707
<b>LAND PREPARATION</b>						
1. Clearing and burning the wild trees and grass						
2. Selecting suitable soil ensuring the slope of the ground is not very steep.						
3. Measuring the length of the plot with rope and sticks						
4. Plowing						
5. Forming terraces						
6. Having the terraces on mounds to ensure that the terraces are not destroyed by water floods.						
7. Using manure when preparing the land from cows, goats, chickens, other animals and dead plants as natural fertilizer						
8. Using the ashes from burning of wild trees and grass as fertilizer						
<b>KEEPING TRACK OF PRODUCTION</b>						
9. Keeping track of all expenditures such as seeds, ropes or other equipment and their prices.						
10. Keeping track of the amount of time spent on each crop						
11. Keeping track of plan for each crop e.g. when you ploughed the land, when you planted etc.						
12. Keeping track of each activity performed on the crops. The farmers were trained to track the dates of planting and the dates of appliance and quantity of inputs. For example, farmers were recommended to keep track of the dates and quantity of fertilizer they applied or water they used.						
13. Keeping track of crop diseases.						
14. Keeping track of weather patterns						
15. Keeping track of the harvesting (dates and quantities)						
16. Keeping track of the sales (prices, quantity and revenue)						
17. Keeping track of profits or losses						
<b>PLANTING OF CROP</b>						
18. Digging hole of 30 cm deep for the cassava seeds						
19. Creating hump of soil of about 1 meter (from the lowest to the highest point) and having humps of soils about 1 meter apart.						
20. Planting the seed Mwari (it was the best seed to plant at that time)						
21. Planting the seeds Sepije, Kizimbani, Machui, Michirizi						
22. Planting during the rainy season						
23. Buying expensive seeds as they are the best ones.						
<b>METHODS FOR EFFICIENT HANDLING OF FIELD</b>						
24. Cleaning every day the farm and not having or be near weeds.						
25. Spraying weed killer which helps prevent the weeds from growing.						
26. Using natural inputs such as leaves from the neem tree (crushing and soaking the leaves in water for 7 to 21 days and subsequently applying the leaves on the vegetables) to kill the diseases and pests. (organic)						
27. Removing all worms from the plant						
28. Placing animal droppings in a hole, covering with grass, watering, waiting for fermentation and after it has decomposed, using it as fertilizer.						
29. Preparing fertilizer from grasses, old trees, decomposed dry leaves or coconut dust.						
30. Using natural inputs such as leaves from the neem tree (crushing and soaking the leaves in water for 7 to 21 days and subsequently applying the leaves on the vegetables) to kill the diseases and pests.						
<b>CROP PESTS AND DISEASES CONTROL</b>						
31. Using traps to get rid of pests						
32. Spraying the plants against pests						
33. Using fungicides as a preventative measure against pests						

34. Soon after planting, uprooting, removing and destroying the cassava crop with pests and diseases (if these crops are not destroyed then the pests will simply migrate to another healthy cassava crop).						
35. Separating the plot in 2 to deal with pests more efficiently						
<b>AGRIBUSINESS</b>						
36. Identifying the market to sell the production (where to sell the production)						
37. Making the produce look appealing for customers						
38. Using the flour to make porridge and chips.						
39. Planting at a specific time to harvest when the demand for the product is high in the market.						
40. Trying to lower costs						
<b>CLIMATE CHANGE</b>						
41. Stopping deforestation or land clearing for farming						
<b>HARVESTING OF CROP</b>						
42. Standing in the right position and area to pull out the cassava from the terrace to not damage the roots						
43. Cutting the cassava and holding the cassava in the right way.						
<b>STORAGE OF CROP</b>						
44. Drying the plant using hanging lines before peeling the skin						
45. Storing the cassava in sacks, plastic bags or crates.						
46. Digging holes and storing the cassava in the ground						
47. Using wax from bees to store the cassava						
<b>PROCESSING OF CROP</b>						
48. Making pilau, bake cakes, and even bites						
49. Grinding it for flour and having it as ugali						
50. Using the flour to make porridge						
51. Eating cassava raw						
52. Makopa						
53. Mandazi (donuts)						
54. Makwaru (cassava chips in packets)						
<b>BASIC KNOWLEDGE OF NUTRITION:</b>						
55. Drinking milk has many healthy nutrients.						
56. The need for a balanced diet with carbohydrates, fat, protein, vitamin and vegetables.						

## MODULE 17c: FFS Banana

Ask these questions if the respondent answered 5 in Q1603 for Direct Beneficiary (FFS participant) and .in Q122 for Non-beneficiaries (control farmers).

Are you familiar with the following improved practices?  <b>1= Yes &gt;&gt; Next question</b> <b>2=No &gt;&gt; Next item</b>	Is this a new practice in your community?  <b>1= Yes &gt;&gt; Next question</b> <b>2=No &gt;&gt; Next item</b> <b>99=Not</b>	Where did you hear about this practice?  <b>1= FFS,</b> <b>2=Friends</b> <b>, 3= Neighbors</b> <b>4= News</b> <b>5= Other,</b>	Have you ever adopted or used these practices on your farm?  <b>0= Yes partially</b> <b>1= Yes fully</b> <b>2=No</b>	If no, why have you not adopted the practices on your farm?  <b>1=Insufficient information on them</b> <b>2=Too expensive</b> <b>3=Labor</b>	Are you currently using this practice on your farm?  <b>0= Yes partially</b> <b>1= Yes fully</b> <b>2=No</b>	How useful was the advice received on [TOPIC] at the Farmer Field School?  <b>1=Very useful</b> <b>2=Somewhat useful</b> <b>3=Not useful</b>
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	<b>applicable</b> >>>Next item Some of these practices may not be applicable in all environments.	<b>please specify</b>		<b>constraint</b> 4=Capital constraint 5=No technical support 6=Lack of inputs/expensive inputs 7= not interested in topics covered 8=do not believe information given is reliable 9=Others, please specify		
<b>Q1701</b>	<b>Q1702</b>	<b>Q1703</b>	<b>Q1704</b>	<b>Q1705</b>	<b>Q1706</b>	<b>Q1707</b>
<b>LAND PREPARATION</b>						
1. Clearing and burning the wild trees and grass						
2. Having the terraces on mounds to ensure that the terraces are not destroyed by water floods.						
3. Plowing						
4. Using manure when preparing the land from cows, goats, chickens, other animals and dead plants as natural fertilizer						
5. Using the ashes from burning of wild trees and grass as fertilizer						
<b>KEEPING TRACK OF PRODUCTION</b>						
6. Keeping track of all expenditures such as seeds, ropes or other equipment and their prices.						
7. Keeping track of the amount of time spent on each crop						
8. Keeping track of plan for each crop e.g. when you ploughed the land, when you planted etc.						
9. Keeping track of each activity performed on the crops. The farmers were trained to track the dates of planting and the dates of appliance and quantity of inputs. For example, farmers were recommended to keep track of the dates and quantity of fertilizer they applied or water they used.						
10. Keeping track of crop diseases.						
11. Keeping track of weather patterns						
12. Keeping track of the harvesting (dates and quantities)						
13. Keeping track of the sales (prices, quantity and revenue)						
14. Keeping track of profits or losses						
<b>PLANTING OF CROP</b>						
15. Putting the fertilizers in the holes and watering the holes						
16. Planting banana seedling which are disease and pest free						
17. Identifying diseased seedling by looking at the leaves (droopy leaves, leaves with changing colors from yellow to brown and leaves with dots)						
18. Sterilizing the seedling by boiling them in hot water or by trimming them.						
19. Spacing the lines 2 to 4 meters apart						
20. Placing the stems 2 to 4 meters apart						
21. Digging holes of 12 to 100 centimeters deep and 60 centimeters wide						

22. Planting in the end of the dry season.						
23. Planting Pukusa seeds						
24. Planting Makoroboi seed if planting for own consumption						
25. Buying expensive seeds as they are the best ones.						
<b>INTERCROPPING</b>						
26. Planting mango trees or coconut trees with banana trees						
<b>METHODS FOR EFFICIENT HANDLING OF FIELD</b>						
27. Cleaning every day the farm and not having or be near weeds.						
28. Spraying weed killer which helps prevent the weeds from growing.						
29. Using natural inputs such as leaves from the neem tree (crushing and soaking the leaves in water for 7 to 21 days and subsequently applying the leaves on the vegetables) to kill the diseases and pests.						
30. Removing all worms from the plant						
31. Placing animal droppings in a hole, covering with grass, watering, waiting for fermentation and after it has decomposed, using it as fertilizer.						
32. Preparing fertilizer from grasses, old trees, decomposed dry leaves or coconut dust.						
<b>CROP PESTS AND DISEASES CONTROL</b>						
33. Using traps to get rid of pests						
34. Spraying the plants against pests						
35. Using fungicides as a preventative measure against pests						
36. Trimming the stems of affected banana tree and burning them						
37. Separating the plot in 2 to deal with pests more efficiently						
38. Soon after planting, uprooting, removing and destroying the banana crop with pests and diseases (if these crops are not destroyed then the pests will simply migrate to another healthy banana crop).						
<b>AGRIBUSINESS</b>						
39. Planting at a specific time to harvest when the demand for the product is high in the market.						
40. Identifying the market to sell the production (where to sell the production)						
41. Making the produce look appealing for customers						
42. Trying to lower costs						
<b>CLIMATE CHANGE</b>						
43. Stopping deforestation or land clearing for farming						
<b>HARVESTING OF CROP</b>						
44. Harvesting the banana with the stem attached						
45. Spreading the harvested bananas on the ground in a room to allow them to ripen.						
46. Harvesting with care when handling the crop to ensure the best quality of the banana (such as having two people harvesting big bananas: one person for holding the bunch as the other one for cutting it)						
47. Harvesting when you see the lines on the banana forming a ring like shape.						
<b>STORAGE OF CROP</b>						
48. Packing the harvested bananas using dry leaves						
<b>PROCESSING OF CROP</b>						
49. Making banana flour and using it for cooking						
<b>CONSUMPTION OF CROP</b>						
50. Boiling banana in salty water						
51. Frying banana in coconut oil						
<b>BASIC KNOWLEDGE OF NUTRITION:</b>						
52. Drinking milk has many healthy nutrients.						
53. The need for a balanced diet with carbohydrates, fat, protein, vitamin and vegetables.						

## MODULE 17d: FFS Rice

Ask these questions if the respondent answered 6 in Q1603 for Direct Beneficiary (FFS participant) and .in Q122 for Non-beneficiaries (control farmers).

Are you familiar with the following improved practices?  1= Yes >> Next question 2=No >> Next item	Is this a new practice in your community?  1= Yes >> Next question 2=No >> Next item 99=Not applicable >>Next item Some of these practices may not be applicable in all environments.	Where did you hear about this practice?  1= FFS, 2=Friends, 3= Neighbors, 4= News, 5= Other, please specify	Have you ever adopted or used these practices on your farm?  0= Yes partially 1= Yes fully 2=No	If no, why have you not adopted the practices on your farm?  1=Insufficient information on them 2=Too expensive 3=Labor constraint 4=Capital constraint 5=No technical support 6=Lack of inputs/expensive inputs 7= not interested in topics covered 8=do not believe information given is reliable 96=Others, please specify	Are you currently using this practice on your farm?  0= Yes partially 1= Yes fully 2=No	How useful was the advice received on [TOPIC] at the Farmer Field School?  1=Very useful 2=Somewhat useful 3=Not useful
Q1701	Q1702	Q1703	Q1704	Q1705	Q1706	Q1707
<b>LAND PREPARATION</b>						
1. Clearing and burning the wild trees and grass						
2. Plowing						
3. Waiting 1 week to 2 months before tilling the land or watering the land before tilling.						
4. Using manure when preparing the land from cows, goats, chickens, other animals and dead plants as natural fertilizer						
5. Using the ashes from burning of wild trees and grass as fertilizer						
<b>KEEPING TRACK OF PRODUCTION</b>						
6. Keeping track of all expenditures such as seeds, ropes or other equipment and their prices.						
7. Keeping track of the amount of time spent on each crop						
8. Keeping track of plan for each crop e.g. when you ploughed the land, when you planted etc.						
9. Keeping track of each activity performed on the crops. The farmers were trained to						

track the dates of planting and the dates of appliance and quantity of inputs. For example, farmers were recommended to keep track of the dates and quantity of fertilizer they applied or water they used.						
10. Keeping track of crop diseases.						
11. Keeping track of weather patterns						
12. Keeping track of the harvesting (dates and quantities)						
13. Keeping track of the sales (prices, quantity and revenue)						
14. Keeping track of profits or losses						
<b>PLANTING OF CROP</b>						
15. Identifying good quality seeds						
16. Spacing rice seedlings 25 centimeters apart.						
17. Planting at the end of the dry season						
18. Planting seed TXD88						
19. Planting seed Super BK						
20. Buying expensive seeds as they are the best ones.						
<b>INTERCROPPING</b>						
21. Avoiding intercropping						
<b>METHODS FOR EFFICIENT HANDLING OF FIELD</b>						
22. Placing animal droppings in a hole, covering with grass, watering, waiting for fermentation and after it has decomposed, using it as fertilizer.						
23. Preparing fertilizer from grasses, old trees, decomposed dry leaves or coconut dust.						
24. Cleaning every day the farm and not having or be near weeds.						
25. Spraying weed killer which helps prevent the weeds from growing.						
26. Using natural inputs such as leaves from the neem tree (crushing and soaking the leaves in water for 7 to 21 days and subsequently applying the leaves on the vegetables) to kill the diseases and pests.						
27. Removing all worms from the plant						
28. Separating the plot in 2 to deal with pests more efficiently						
<b>CROP PESTS AND DISEASES CONTROL</b>						
29. Using traps to get rid of pests						
30. Spraying the plants against pests						
31. Using fungicides as a preventative measure against pests						
32. Soon after planting, uprooting, removing and destroying the rice crop with pests and diseases (if these crops are not destroyed then the pests will simply migrate to another healthy rice crop).						
<b>AGRIBUSINESS</b>						
33. Planting at a specific time to harvest when the demand for the product is high in the market.						
34. Identifying the market to sell the production (where to sell the production)						
35. Making the produce look appealing for customers						
36. Trying to lower costs						
<b>CLIMATE CHANGE</b>						
37. Stopping deforestation or land clearing for farming						
<b>HARVESTING OF CROP</b>						
38. Harvesting when the color of the crop changes from green to yellow						
39. Harvesting by cutting the crop from the bottom or at the top						
<b>STORAGE OF CROP</b>						



40. Placing the harvested rice in sacks						
41. Letting the sacks of the harvested crop dry in the sun between noon and 3 pm to eliminate the moisture which would damage the quality of the harvested rice						
42. Piling sacks up in a heap of about 5 m in height and keep turning it and every two hours so that the rice that is at the top goes to the bottom and the one that was in the bottom comes up.						
43. Ensuring that the storing equipment is clean, dry and breathable in order to store the rice for a long time.						
44. Taking some dry woods/tree branches and placing them on the ground in the storage room and arranging the bags on top of them while avoiding to squeeze them into the wall.						
<b>PROCESSING OF CROP</b>						
45. Making rice flour						
<b>BASIC KNOWLEDGE OF NUTRITION:</b>						
46. Drinking milk has many healthy nutrients.						
47. The need for a balanced diet with carbohydrates, fat, protein, vitamin and vegetables.						

## MODULE 17e: FFS Goat

Ask these questions if the respondent answered 3 in Q1603 for Direct Beneficiary (FFS participant) and .in Q122 for Non-beneficiaries (control farmers).

Are you familiar with the following improved practices?  <b>1= Yes &gt;&gt; Next question</b> <b>2=No &gt;&gt; Next item</b>	Is this a new practice in your community?  <b>1= Yes &gt;&gt; Next question</b> <b>2=No &gt;&gt; Next item</b> <b>99=Not applicable &gt;&gt;Next item</b> Some of these practices may not be applicable in all environments .	Where did you hear about this practice?  <b>1= FFS,</b> <b>2=Friends ,</b> <b>3= Neighbors</b> <b>4= News</b> <b>5= Other, please specify</b>	Have you ever adopted or used these practices on your farm?  <b>0= Yes partially</b> <b>1= Yes fully</b> <b>2=No</b>	If no, why have you not adopted the practices on your farm?  <b>1=Insufficient information on them</b> <b>2=Too expensive</b> <b>3=Labor constraint</b> <b>4=Capital constraint</b> <b>5=No technical support</b> <b>6=Lack of inputs/expensive inputs</b> <b>7= not interested in topics covered</b> <b>8=do not believe information given</b>	Are you currently using this practice on your farm?  <b>0= Yes partially</b> <b>1= Yes fully</b> <b>2=No</b>	How useful was the advice received on [TOPIC] at the Farmer Field School?  <b>1=Very useful</b> <b>2=Somewhat useful</b> <b>3=Not useful</b>
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				is reliable 96=Others, please specify		
Q1701	Q1702	Q1703	Q1704	Q1705	Q1706	Q1707
<b>PREPARATION OF THE AREA FOR THE LIVESTOCK AREA</b>						
1. Planting grass or trees as source of goat feed						
2. Planting elephant grass (gongomuwa)						
3. Planting hay bean (brine cidia/mijenga)						
4. Clearing the land						
5. Lining and planting of grass or hay bean seeds						
6. Building the goat pens						
<b>KEEPING TRACK OF LIVESTOCK ACTIVITIES</b>						
7. Keeping track of expenditures on shed constructions and other costs						
8. Keeping track of costs on the goat treatment						
9. Keeping track of water use for each goat						
10. Keeping track of plan						
11. Keeping track of each activity performed						
12. Keeping track of labour						
13. Keeping track of pasturing						
14. Keeping track of feed						
15. Keeping track of vaccinations and other drugs						
16. Keeping track of costs						
17. Keeping track of milk and other products production						
18. Keeping track of milk and other products sales						
19. Keeping track of profits or losses						
<b>AGRIBUSINESS</b>						
20. Putting forward the nutritional benefits of goat milk for its nutritional value, for people suffering from ulcers and for digestion.						
21. Milking properly						
22. Selling milk to their neighbors or on the market						
23. Taking the milk to a collection centre						
24. Selling the milk through a cooperative unions (for farmers who are part of these groups)						
<b>LIVESTOCK PEST AND DISEASE CONTROL</b>						
25. Mixing grass with hay and beans in the feed of the animal as grass lacks some nutrients.						
26. Purchasing or using residue from maize, sunflower, animal salts and sardines and mix them with the animal goat to increase the nutritional value of the feed.						
27. Feeding the cows with food rich in protein, carbohydrates, minerals and vitamins						
28. Protecting the goats from pneumonia						
29. Protecting the goats from worm infestation with drugs						
30. Keeping the mother goat with her offspring together						
31. Contacting the nearest veterinary officer if the goat experienced complications during labor.						
32. Cleaning the area where do the milking						
33. Washing hands when milking						
34. Giving goats higher quality grass.						
35. Trimming goats hooves during the rainy season						
36. Identifying when a goat has reach puberty (around the 3 month mark)						
37. Identifying when it is appropriate to feed a goat when it is in heat.						
38. Identifying the signs a goat is in labor.						

39. Storing hay or silage so that feeding is not missing in periods of scarcity of pastures and green grasses						
<b>CONSERVATION AND PROCESSING</b>						
40. Cleaning milking equipment						
41. Not using plastic tools and instruments						
42. Storing the milk in a freezer or fridge						
43. Boiling the milk and the refrigerating it						
44. Boiling the milk if there is no fridge to store the milk.						
45. Making cream from the milk						
46. Making butter or ghee from the milk						
47. Making yoghurt from the milk						
48. Making cheese from the milk						
<b>CLIMATE CHANGE</b>						
49. Stopping deforestation due to ranching and land clearing for livestock production						
<b>BASIC KNOWLEDGE OF NUTRITION:</b>						
50. Drinking milk has many healthy nutrients.						
51. The need for a balanced diet with carbohydrates, fat, protein, vitamin and vegetables.						

## MODULE 17f: FFS Chicken

Ask these questions if the respondent answered 4 in Q1603 for Direct Beneficiary (FFS participant) and .in Q122 for Non-beneficiaries (control farmers).

Are you familiar with the following improved practices?  <b>1= Yes &gt;&gt; Next question</b> <b>2=No &gt;&gt; Next item</b>	Is this a new practice in your community?  <b>1= Yes &gt;&gt; Next question</b> <b>2=No &gt;&gt; Next item</b> <b>99=Not applicable &gt;&gt;Next item</b> Some of these practices may not be applicable in all environments.	Where did you hear about this practice?  <b>1= FFS,</b> <b>2=Friends</b> <b>3= Neighbors</b> <b>4= News</b> <b>5= Other, please specify</b>	Have you ever adopted or used these practices on your farm?  <b>0= Yes partially</b> <b>1= Yes fully</b> <b>2=No</b>	If no, why have you not adopted the practices on your farm?  <b>1=Insufficient information on them</b> <b>2=Too expensive</b> <b>3=Labor constraint</b> <b>4=Capital constraint</b> <b>5=No technical support</b> <b>6=Lack of inputs/expensive inputs</b> <b>7= not interested in topics covered</b> <b>8=do not believe information given</b>	Are you currently using this practice on your farm?  <b>0= Yes partially</b> <b>1= Yes fully</b> <b>2=No</b>	How useful was the advice received on [TOPIC] at the Farmer Field School?  <b>1=Very useful</b> <b>2=Somewhat useful</b> <b>3=Not useful</b>
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				is reliable 96=Others, please specify		
Q1701	Q1702	Q1703	Q1704	Q1705	Q1706	Q1707
<b>PREPARATION OF THE AREA FOR THE LIVESTOCK</b>						
Clearing the land						
Building the chicken coop with hardboard						
Having a coop 1 meter long to hold at most a 100 chicks						
Having several rooms in the coop						
Providing the coop with a source of heat						
Placing newspaper on the ground						
Putting the food on the newspaper before using the feeding apparatus						
Building the chicken coop close to the dwelling to be able to check on the coop frequently to ensure that the chickens do not escape, are in good health (keep away pests for example) and are secure.						
Keeping the coop well ventilated.						
Cleaning the coop regularly						
Enclosing the area with wire fence						
Finding a friendly environment, disease free.						
<b>KEEPING TRACK OF PRODUCTION</b>						
Keeping track of all expenditures and their prices.						
Keeping track of the amount of time spent on each activity.						
Keeping track of plan.						
Keeping track of each activity performed.						
Keeping track of frequency and dates you vaccinated your chicken.						
Keeping track of expenditure to build the hut or the barn (expenditure on cement, etc )						
Keeping track of costs of rearing and feeding the chicken						
Keeping track of egg and other products production						
Keeping track of sale of egg and other products production						
Keeping track of the price and revenue from sale of products from chickens.						
Keeping track of profits or losses						
<b>BUSINESS</b>						
Creating contacts with special brokers in the market to sell the chicken meat						
Finding the good prices						
Identifying chicks that are good for rearing						
Selling eggs						
Selling meat						
Selling manure						
Ensuring that chickens are not laying eggs in the coop as these eggs might be damaged in the coop.						
Slaughtering broilers for the meat after they have reached 2 months						

Using broilers instead of local chicken as local chicken take twice as much time to grow for the meat and local chicken need more space than broilers.						
<b>LIVESTOCK PEST AND DISEASE CONTROL</b>						
Allowing the chicks to walk freely and get some exercise						
Vaccinating the chicken one month before the period of disease prevalence.						
Vaccinate the chickens for mahepe/kideli/gombolo (herpes virus) to prevent the disease which can occur anywhere between 2-3 months						
Vaccinate the chickens for small pox (variola) and worms						
Dealing with coccidiosis (bloody diarrhea disease)						
Dealing with viruses						
Changing feeding habit when the chickens are older.						
Using feed with residue from local cereals like maize, rice and sardines to reduce the cost of feeding.						
Ensuring that the chicks are with their mothers						
<b>COLLECTION AND STORAGE EGGS</b>						
Using clean trays to collect and store the eggs						
Storing the eggs in a safe place away from pests like rats and other insects						
Not leaving eggs in the laying box/nests for too long as they may be broken by other chicken						
Separating cracked and small sized eggs from the other eggs						
<b>CLIMATE CHANGE</b>						
Stopping deforestation due to land clearing for livestock production						
<b>BASIC KNOWLEDGE OF NUTRITION:</b>						
Drinking milk has many healthy nutrients.						
The need for a balanced diet with carbohydrates, fat, protein, vitamin and vegetables.						

## MODULE 17g: FFS Cows

Ask these questions if the respondent answered 7 in Q1603 for Direct Beneficiary (FFS participant) and .in Q122 for Non-beneficiaries (control farmers).

Are you familiar with the following improved practices?  <b>1= Yes &gt;&gt; Next question</b> <b>2=No &gt;&gt; Next item</b>	Is this a new practice in your community?  <b>1= Yes &gt;&gt; Next question</b> <b>2=No &gt;&gt; Next item</b> <b>99=Not applicable &gt;&gt;Next item</b> Some of these practices may not be applicable in all environment s.	Where did you hear about this practice?  <b>1= FFS,</b> <b>2=Friends</b> <b>3= Neighbors</b> <b>4= News</b> <b>5= Other, please specify</b>	Have you ever adopted or used these practices on your farm?  <b>0= Yes partially</b> <b>1= Yes fully</b> <b>2=No</b>	If no, why have you not adopted the practices on your farm?  <b>1=Insufficient information on them</b> <b>2=Too expensive</b> <b>3=Labor constraint</b> <b>4=Capital constraint</b> <b>5=No technical support</b> <b>6=Lack of inputs/expensive inputs</b> <b>7= not interested in topics</b>	Are you currently using this practice on your farm?  <b>0= Yes partially</b> <b>1= Yes fully</b> <b>2=No</b>	How useful was the advice received on [TOPIC] at the Farmer Field School?  <b>1=Very useful</b> <b>2=Somewhat useful</b> <b>3=Not useful</b>
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				covered 8=do not believe information given is reliable 96=Others, please specify		
<b>Q1701</b>	<b>Q1702</b>	<b>Q1703</b>	<b>Q1704</b>	<b>Q1705</b>	<b>Q1706</b>	<b>Q1707</b>
<b>PREPARATION OF THE AREA FOR THE LIVESTOCK AREA</b>						
1. Planting grass or trees as source of goat feed						
2. Planting elephant grass (gongomuwa)						
3. Planting hay bean (brine cidia/mijenga)						
4. Clearing the land						
5. Lining and planting of grass or hay bean seeds						
6. Building cow sheds which are 1 meters in width and 1.5 meters in length						
7. Building the cow shed on slightly raised land and not on concrete land.						
8. Keeping the cow shed area clean						
9. Building a small hut near the cow sheds to store the manure which will be used for fertilizer in the future.						
10. Building a small hut to store the water tanks for the cows' drinking water.						
<b>KEEPING TRACK OF LIVESTOCK ACTIVITIES</b>						
11. Keeping track of expenditures on shed constructions and other costs						
12. Keeping track of costs on the cow treatment						
13. Keeping track of water use for each cow						
14. Keeping track of plan						
15. Keeping track of each activity performed						
16. Keeping track of labour						
17. Keeping track of pasturing						
18. Keeping track of feed						
19. Keeping track of vaccinations and other drugs						
20. Keeping track of costs						
21. Keeping track of milk and other products production						
22. Keeping track of milk and other products sales						
23. Keeping track of profits or losses						
<b>AGRIBUSINESS</b>						
24. Having hybrid cows, such as Jersey type cows as they give more milk and they require less feeding.						
25. Milking properly						
26. Selling milk to their neighbors or on the market						
27. Taking the milk to a collection centre						
28. Selling the milk through a cooperative unions (for farmers who are part of these groups)						
<b>LIVESTOCK PEST AND DISSEASE CONTROL</b>						
29. Washing hands when milking						
30. Cleaning the area where do the milking						

31. Mixing grass with hay and beans in the feed of the animal as grass lacks some nutrients.						
32. Purchasing or using residue from maize, sunflower, animal salts and sardines and mix them with the animal goat to increase the nutritional value of the feed.						
33. Protecting the cows from pneumonia						
34. Protecting the cows from worm infestation with drugs						
35. Contacting the nearest veterinary officer if the cow experienced complications during labor.						
36. Storing hay or silage so that feeding is not missing in periods of scarcity of pastures and green grasses						
37. Protecting animal from discouse fever (DCF), FMD, lapas, plasmiosis, and all diseases are caused by ticks and bugs						
38. Regularly washing by spraying the animal near the ears, skin and hips to remove all ticks and bucks						
39. Vaccinate the cows						
40. Preparing the animal for pregnancy						
41. Keeping the cows in 4 groups (the pregnant cows together, calves with their mothers, males with males, females with females)						
42. Feeding the cows with food rich in protein, carbohydrates, minerals and vitamins						
<b>CONSERVATION AND PROCESSING</b>						
43. Cleaning milking equipment						
44. Not using plastic tools and instruments						
45. Storing the milk in a freezer or fridge						
46. Boiling the milk and the refrigerating it						
47. Boiling the milk if there is no fridge to store the milk.						
48. Making cream from the milk						
49. Making butter or ghee from the milk						
50. Making yoghurt from the milk						
51. Making cheese from the milk						
<b>CLIMATE CHANGE</b>						
52. Stopping deforestation due to cattle ranching and land clearing for livestock production						
<b>BASIC KNOWLEDGE OF NUTRITION:</b>						
53. Drinking milk has many healthy nutrients.						
54. The need for a balanced diet with carbohydrates, fat, protein, vitamin and vegetables.						

## MODULE 18: SPILLOVERS

<p>Please provide the names of the people you shared knowledge you learned from the FFS within the last three years.</p> <p><b>Maximum 20 names</b></p> <p><b>Ask the following questions for person mentioned attended trainings until the end of the module 18.</b></p>	<p>What is your relationship with this person?</p> <p><b>Enter codes from list</b></p>	<p>Where does this person live?</p> <p><b>Enter codes from list</b></p>	<p>Which knowledge or practice you learned from the FFS did you share with this person?</p> <p><b>Enter codes from list</b></p>			<p>How did you share the knowledge you learned during the FFS with this person?</p> <p><b>1= By talking about it</b>  <b>2= By writing it on paper</b>  <b>3= By showing it on a crop or an animal</b></p>	<p>What is the average length of these discussions with this person on the knowledge or practice you learned from the FFS?</p> <p>Average length of the training</p> <p><b>In minutes</b></p> <p><b>Minimum 0.</b></p>	<p>How often did you have these discussions with this person to share the knowledge or practice you learned from the FFS?</p> <p>Frequency of the training</p> <p><b>Minimum 0.</b></p>	<p>Time unit</p> <p><b>1=Weekly</b>  <b>2=Monthly</b>  <b>3=Yearly</b></p>	<p>Did this person pay you for sharing this knowledge or practice you learned from the FFS?</p> <p><b>1= Yes</b>  <b>2= No</b></p>	<p>How much did this person pay you for sharing this knowledge or practice learned from the FFS?</p> <p>Total amount paid</p> <p><b>If in-kind convert to Tshs</b></p> <p><b>Minimum 0.</b></p>	<p>Total amount paid</p> <p><b>In cash</b></p> <p><b>Tshs</b></p> <p><b>Minimum 0.</b></p>
<b>Q1801</b>	<b>Q1802</b>	<b>Q1803</b>	<b>Q1804A</b>	<b>Q1804B</b>	<b>Q1804C</b>	<b>Q1805</b>	<b>Q1806</b>	<b>Q1807</b>	<b>Q1808</b>	<b>Q1809</b>	<b>Q1810</b>	<b>Q1811</b>
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20.												



Q1802	
Relationship	
1=	Do not know this person
2=	Son/daughter of head and spouse
3=	Son /daughter of head
4=	Son/daughter of spouse
5=	Mother/father of head/ spouse
6=	Sister/brother of head/spouse
7=	Foster child
8=	God child
9=	Grandchild
10=	Other relatives
11=	Neighbor
12=	Friend
13=	Partner in a sharecropping or land renting arrangement
14=	Partner in an oxen-sharing or similar arrangement
15=	Partner in a labour-sharing arrangement
16=	Belongs to the same farming, livestock or fishing group or association
17=	Belongs to the same non-agriculture group or association
96=	Other, please specify

Q1803	
Location	
1=	In the same village
2=	In the same shehia
3=	In the same district
4=	In another district
96=	Other, please specify

Q1804A/Q1804B/Q1804C	
Practice thought	
1=	Land preparation for crop production
2=	Keeping track of production
3=	Planting of crop
4=	Methods for efficient handling of field
5=	Crop pests and diseases control
6=	Agribusiness for crop production
7=	Stopping deforestation or land clearing for crop production
8=	Harvesting of crop
9=	Storage of crop
10=	Processing of crop
11=	Land preparation for livestock production
12=	Keeping track of livestock activities
13=	Agribusiness for livestock production
14=	Stopping deforestation due to ranching and land clearing for livestock production
15=	Livestock pests and diseases control
16=	Storage and processing of livestock products
17=	Basic knowledge of nutrition
96=	Other, please specify