Research Project: Influence of Land Impermanence Syndrome on conservation and utilization of agro-biodiversity and subsequent effect on food attitudes and consumption patterns

Household characteristics, consumption patterns and agrobiodiversity assessment and characterization questionnaire

SECTION A: IDENTIFICATIONS

Household and Enumerator identification

QN#	Question	Response
0	Did the respondent provide verbal informed consent? 1=Yes; 0=No	
1.0	Household ID	
2.0	Names of respondent	
3.1	Does any household member have a mobile phone? 1=Yes>>3.2; 0=No>>4.0	
3.2	How many mobile phones do you have as a household?	
3.3	What is the reliable Telephone/Mobile number of reaching you/your household?	
4.0	Date of Interview (Dd/mm/yyyy)	
5.0	Enumerator's' name	
6.0	Name of supervisor	

Household Location

QN#	Question	Response
7.0	Sub region (CODE A): (1= Acholi, 2=Teso)	
8.0	District (CODE B)	
9.0	Sub County (CODE C):	
10.0	Parish (CODED)	
11.0	Village (CODED)	
12.0	Based on the sampling, what is the land stability for this area (enumerator CODE D)?	
13.0	Household geographical location (Longitude, latitude, altitude) GPS coordinate	

CODE A: Sub region	***CODE B: Districts***	***CODE C: Sub counties***	***CODE D: Nature of Permanence***
1=Teso>>1-2 *2=Acholi>>3-4*	*1=Amuria* *2=Bukedea* *3=Lamwo* *4=Nwoya*	*1=Kapelbyong* *2=Obalanga* *3=Okunyur* *4=Morugatuny* *5=Bukedea* *6=Kocheka* *7=Kidongole* *8=Koena* *9=Padibe East* *10=Lokum* *11=Palabek Ogili* *12=Agoro* *13=Purongo* *14=Alero* *15=Koc li* *16=Anara*	*1=Stable land tenure area* *2=Instable land tenure area*

SECTION B: GENERAL HOUSEHOLD INFORMATION

Now I would like to know how many people are living in your household. This means the HH head and his wife(s) and children and any other members that stay permanently and depend on them (e.g. mother in law, etc.; visitors that stay only for a few weeks/months are NOT counted). Children that have moved out permanently and now on their own, are also NOT counted.

Q#	Question/ Variable	Code choices				Fill
14.0	Gender of respondent	*1=Female; 2=Male*				
15.0	Age of respondent in years (include year of birth in grey area)					
16.0	Is respondent the household head	*1=Yes, 0=No*				
17.0	If the respondent is not HH head, who is the household head	*1=Head; 2=Spouse; 3=Son/daughter; 4=Grandchild; 5=Parent of hh head/spouse; 6=Sister/Brother of head/ spouse; 7=Nephew/Niece; 8=Other relative; 9=Servant; 10=Non-relative; 11=uncle/auntie; 99=Other (specify)*				
18.0	What is the age of HH head (Years)?					
19.0	What is the age of spouse (in full years)?					
20.0	Marital status of respondent	*1=Married monogamously; 2=Married polygamous; 3=Divorced or Separated; 4=Widow/Widower; 5=Never Married/single; 999=Other (specify)*				
20.1	If polygamous, how many spouses are there?					
20.2	Does each spouse have a separate house?	*1=Yes; 0=No*				
21.1	What is the main building material used for walls of the main house?	*1=Baked bricks; 2=Poles &mad or sun-dried bricks & mad, grass; 3=Baked bricks &cement, cement bricks, timber, stones*				
22.2	What is the main building material used for roofs of the main house?	*1=Grass/leaves, Polyethene; 2=Iron sheets, concrete, asbestos, tiles*				
23.0	Does each spouse have separate land allocated?	*1=Yes, 0=No*				
24.1	Education level of respondent	*0=No formal education, 1=Primary education not completed, 3=Primary education completed, 4=Secondary education not completed, 5=Secondary education completed, 6=post-secondary education & attained a diploma/certificate; 7=University education; 99=Don't know; 999=other*				
24.2	Education level of most educated person					
24.3	Full years of schooling of HH head					
24.4	Can female HH head/spouse read & write?	*1=Yes, 0=No; 2=No female HH head/spouse*				
24.5	Full years of schooling of spouse					
25.1	What is the total number of all household members that share food from the same pots	25.1a. Current household size				
		25.1b. Household size before 1995				
25.2	Current HH members by age category	25.2a] 0-5	25.2b] 6-15	25.2c] 16-64	25.2d] 65+	<18
25.2	*Number of male HH members (a)*					

25.2	*Number of female HH members (b)*					
25.2	*How many contribute HH labour (c)*					
25.3	*HH members currently in school*					
26.0	What is the type of toilet facility mainly used by your household?	*1=No facility/bush/use a container; 2=Uncovered pit latrine; 3=Covered pit latrine with slab; 4=VIP latrine, flash toilet*				
27.0	What is the main fuel used for cooking?	*1=Firewood, crop/animal residues; 2=Biogas; 3=Charcoal, briquettes; 4=LPG gas, electricity, generator, solar*				
28.1	What kind of water source is commonly used by your household?	*1=Spring, 2=Shallow well, 3=bow hole/Pump well, 4=Dam, 5=Tank at home, 6=Tap/piped water; 7=stream; 99=Other*				
28.2	What kind of water source is nearest to your household?	*1=Spring, 2=Shallow well, 3=bow hole/Pump well, 4=Dam, 5=Tank at home, 6=Tap/piped water, 7=stream; 99=Other (Specify).....*				
28.3	What is the distance and walking time to & from the HH for stated social amenity?	a] Estimated distance (in Km)		b] Walking time to & from (in minutes)		
28.4	Of the HH to & from the stated nearest safe water source?					
28.5	Distance/time does it take to walk to and from the nearest Health center/facility					
28.6	How much time does it take a household member to walk to and from the nearest trading center					
28.7	Of the HH to & from the nearest open-air market?					
28.8	a] What is the kind of market stated above?	*1=daily; 2=weekly; 3=fortnightly; 4=monthly*				
28.8	b] Do you go to other markets	*No=0; Yes*				
28.9	What kinds of markets do you go to?	*1=retail shop; 2=daily town mkt; 3=farm gate; 4=roadside mkt; 5=open-air mkt; 999=other*				
29.1	What kind of vehicle does your household have?	*0=None; 1=Bicycle; 2=Ox-cart; 3=Motor cycle; 4=Car, Truck, pick-up; 999=other*				
30.1	How many acres of land does this household own, both farmed and not farmed?	variable		a] In 2017	b] Before 1997	
		a) Farmed (acres)				
		b) Fallowed (acres)				
		c) Range &/or forest land				
30.2	Is the current owned-land a single whole piece *(1=Yes; 0=No)*?					
30.3	a] If the land is not a single whole piece, how many separate parcels does the HH own? (give number)					
	b] What is the acreage for respective parcel number (number of acres)	Parcel 1	Pc2	Parcel 3	Parcel 4	Parcl 5
	c] Is there any document supporting ownership of the parcel? *(1=Yes; 0=No)*					
	d] What is the form of ownership? *(1=customary; 2=Lease; 3=Freehold; 99=other……..)*					

	e] What was the form of land ownership (before 1997) & now (2017) for parcel#?	Now (2017)					
		Before 1997					
NOTE: Enumerator must have a piece of plain paper and make a drawing of where the different plots are with reference to the homestead and let them allocate numbers to the plots from the one nearest to the house for appropriate refer to plot when questioning							

Q31.0: Household source and level of income

Beginning with the most important source of income please indicate at least 3 other sources of income in your household

31.	31.1a) Sources of income ranked in order of importance	31.1b) Estimated income		31.1c). Who is mainly involved in the activity	31.1d). Who controls decisions on what the income is used for?
31.1	Note: Source 1 is most important (Use code 27A)	Estimate (UGX)	Frequency (code 25B)	*CODE 25C*	*CODE 25C*
	Income source 1:				
	Income source 2:				
	Income source 3:				
	Income source 4:				

CODE 27A: Income source	***CODE 25B: Units***	***CODE 25C: Involved & decides***
1=crop production *2=cattle farming* *3=small ruminant rearing* *4=poultry farming* *5=mixed farming* *6=brick making* *7=craft making* *8=casual labour* *9=retail business* *10=wholesale business* *11=agricultural produce dealer* *12=salaried employment* *13=charcoal burning* *14=remittances* *999=other (specify)*	*1=Per hour* *2=Per day* *3=Per month* *4=Per season (6mths)* *5=Per year* *999=other(specify)*	*1=Head;* *2=Spouse;* *3=Son/daughter;* *4=Grandchild;* *5=Parent of hh head/spouse;* *6=Sister/Brother of head/ spouse;* *7=Nephew/Niece;* *8=Other relative;* *9=Servant;* *10=Non-relative;* *11=uncle/auntie;* *999=Other (specify)*

Q32.0 Household Hunger Scale (HHS) Food Insecurity experience

No.	Question	Code choices	Response
32.1a	In the past [4 weeks/30 days] was there ever no food to eat of any kind in your house because of lack of resources to get food?	*0 =No>> Q32.2a* *1 = Yes*	
32.1b	How often did this happen in the past [4 weeks/30 days]?		
32.2a	In the past [4 weeks/30 days] did you or any household member go to sleep at night hungry because there was not enough food?	*0 = No>>Q32.3a* *1 = Yes*	
32.2b	How often did this happen in the past [4 weeks/30 days]?		
32.3a	"In the past [4 weeks/30 days] did you or any household member go a whole day and night without eating anything at all because there was not enough food?"	*0 = No>>* *1 = Yes*	
32.3b	How often did this happen in the past [4 weeks/30 days]?		
32.4	What is the average number of meals per day in your household (considering the last 30 days)	*1= one meal per day* *2= two meals per day* *3=Three or more meals day*	
32.5c	In the past month [4 weeks/30 days] did you worry that your household would not have enough food?	*0 = No (Skip to 51.2a)* *1 = Yes*	
32.5d	How often did this happen in the past [4 weeks/30 days]?	*1 = Rarely (1-2 times)* *2 = Sometimes (3-10 times)* *3 = Often (more than 10 times)* *88= NA*	
32.5c	In the past [4 weeks/30 days] were you or any household member not able to eat the kinds of foods you preferred because of a lack of resources?	*0 = No (Skip to Q51.3a)* *1 = Yes*	
32.5d	How often did this happen in the past [4 weeks/30 days]?	*1 = Rarely (1-2 times)* *2 = Sometimes (3-10 times)* *3 = Often (more than10 times)* *88= NA*	
32.5c	In the past [4 weeks/30 days] did you or any household member have to eat a limited variety of food due to a lack of resources?	*0 = No (Skip to 51.4)* *1 = Yes*	
32.5d	How often did this happen in the past [4 weeks/30 days]?	*1 = Rarely (1-2 times)* *2 = Sometimes (3-10 times)* *3 = Often (more than 10 times),* *88= NA*	
32.5c	In the past [4 weeks/30 days] did you or any household member have to eat some foods that you really did not want to eat because of a lack of resources to obtain other types of food?	*0 = No (Skip to 51.5)* *1 = Yes*	
32.5d	How often did this happen in the past [4 weeks/30 days]?	*1 = Rarely (1-2 times)* *2 = Sometimes (3-10 times)* *3 = Often (more than 10 times)* *88= NA*	
32.5c	In the past [4 weeks/30 days] did you or any household member have to eat a smaller meal than you felt you needed because there was not enough food?	*0 = No (Skip to 51.6)* *1 = Yes*	

32.5d	How often did this happen in the past [4 weeks/30 days]?	*1 = Rarely (1-2 times)* *2 = Sometimes (3-10 times)* *3 = Often (more than 10 times)* *88= NA*	
32.5c	In the past [4 weeks/30 days] did you or any household member have to eat fewer meals in a day because there was not enough food?	*0 = No (Skip to 51.7)* *1 = Yes*	
32.5d	How often did this happen in the past [4 weeks/30 days]?	*1 = Rarely (1-2 times)* *2 = Sometimes (3-10 times)* *3 = Often (more than 10 times)* *88= NA*	
32.5	When you do not have enough food in your household what do you mostly do, to ensure you can still have food	*Code B*	
32.6	When there is not enough food in your household to feed all members; which members have priority to eat (indicate the numbers besides first three in order of priority	*1= Young children > 5 years* *2= Children 6 – 14 y* *3= Pregnant Woman* *4= Adult men in general* *5= Adult women in general* *6= The HHH* *7= Elderly men* *8= Elderly women* *9= We share equally*	i) ii) iii)
32.7	How do you rate your food insecurity experience now to that of 10 years ago?	*1=Better* *2=Same* *3=Worsened*	
32.8	What factors do you attribute to the above perceived rating (in QN. 26.7)?		

How often	***Code B***	***Code C***
1 = Rarely (1-2 times) *2 = Sometimes (3-10 times)* *3 = Often (more than 10 times)*	*1= Do nothing/stay hungry* *2= rely on food aid* *3= borrow from relatives/friends* *4= work for food/money* *5=Reduce the number of meals* *6=Reduce the quantity of food prepared* *7=NA* *66=Other (Specify)……*	*1=Loss of land ownership* *2=Land fragmentation* *3=Insecurity due to war* *4=Increase in household size* *5=Increased production* *6=Urbanization* *7=Climate change* *8=Rising food prices* *9=More land acquired* *10=enhanced knowledge on land utilization* *11=Increased household income* *99=Other (specify……*

ID: Individual Nutrition status, Health status and consumption patterns

This section targets the youngest child between **6-24 months** and the mother of the child and information on their general health status, health seeking behavior, nutrition status and consumption patterns will be collected

Young child

Q33.0: Background information about the reference child (consider age of 6-24months)

33.1	Names of child		Child unique ID:
33.2	Sex of child	*Female=1, Male=2*	__
33.3	Date of birth	*DD/MM/YEAR*	__ __ /__ __/__ __ __
33.4	Weight in Kgs at birth (ask for clinic card/book to confirm)	*(One decimal point)*	
33.5	Age of child	*(in Months)*	__ __

34.0: Nutrition status and Health status of child

#QN	Question	Coded choices	Response
34.1	What is the immunization and vitamin A supplementation status of your child (confirm with information on health card) Is health card available? Yes__ No__	*1= Not immunized and received no vitamin A Supplementation in last 6 months,* *2= Immunized only* *3= Received vitamin A supplement only* *4= Immunized and received vitamin A*	
34.2	If child is **not immunized and/or not supplemented**, the reason	*1=Health facility too far* *2= Not aware of its importance* *3=may harm my child,* *4= had no time to take the child,* *999= other (specify)_____*	
34.3a	Was this child breastfed?	*0= No; 1=Yes*	
34.3b	If yes above, upto what age (in months) was the child exclusively breastfed?	*1= 1-2 months; 2= 3-4 months;3= 5-6 months.*	
34.4	If exclusive breasfteefing stopped before 6months what else was given to him/her apartfrom the breastmilk in those first six months of life?	*1=water; 4=infant formula* *2=cow milk; 5=porridges;* *3=honey; 999=other semi-solid foods (specify)*	
34.5a	(28.5a) Is the child currently breastfeeding	*Yes=1; No=0*	
	(28.5b) If **NO** up till what age (in months) was the child breastfed?		_____
	(28.5b) If yes, up untill what age (in months) shall the child breast feed?		_____
34.6a	Has the child been sick for the last 4 weeks	*Yes=1, No=0>>35.0*	
34.6b	Did the child receive any form of treatment	*Yes=1, No=0>>35.0*	
34.6c	If the child received treatment what was the source of treatment	*1=Hospital,* *2=Drugs bought at a shop/chemist,* *3=Traditional medication,* *4=Local government HC* *99=Other(specify).....*	

Q35.0: Take the anthropometric measurements of the index child following standard procedures (one decimal point for all measurements)

	Measurements	a).1st reading	b). 2nd reading	C). Average
35.1	Height (in cm)			
35.2	Weight (in Kg)			

Q36.0: Individual Dietary diversity score for children

Please describe the foods (meals and snacks) that (give reference to the child) ate or drank yesterday during the day and night, whether at home or outside. Start with the first food or drink of the morning. (Write down all foods and drinks mentioned. When composite dishes are mentioned, ask for the list of ingredients. When the respondent has finished, probe for meals and snacks not mentioned)

36.0	Kind of meal based on time of consumption	a] Did you have this meal *1=Yes* *0=No>> 31.x*	b] What is the name of meal (Local)?	c] Ingredients (give exact variety/ species) ***CODE X: Ingredients*** *(list of 114 food items provided in the tablet)*	d] Source Main source *1=Farm,* *2=Market/shop,* *3=Gift* *4=Food aid* *5=Gathering/hunting* *66=Other(Specify)….*	e] Cooking method *1=Raw,* *2=Boiling,* *3=Roasting* *4=Frying/stewing* *66=Other…….*
36.1.	(M1) Breakfast					
36.2.	(M2) Mid-morning snack					
36.3.	(M3) Lunch					
36.4.	(M4) Mid-Afternoon snack					
36.5.	(M5) Dinner/ supper					
36.6.	(M6) Night snack					
36.7aa	Was the food consumption of child just reported very different from that of the general household yesterday?				*1=Yes, 2=No*	

36.7ab	If yes, state some of the differences in the food consumed	……	
	Does your household have a radio or TV or both?	*0=None; 1=Only radio; 2=Both radio & TV*	
36.7ba	Have you ever received any educational information on how to feed your children for better nutrition?	*1=Yes, 2=No*	
36.7bb	If yes above, what is the major source of your nutrition information (CODE Y)?		
	CODE Y: Sources of nutrition information *1=Community health workers; 2=Local health center; 3=Radio; 4=Mother/mother in-law;5=Newspaper; 6= television; 66=other (specify)…*		

Q37.0: Food consumption instability (Comparing now and 20 years back)

#	Question	Choices	Select the period	Response
37.1	Are there some foods you used to feed children many years ago and you are no longer feeding children such food today?	*1=Yes, 0= No*	*1=10 years ago (Before 2007)* *2=20 years ago (Before 1997)*	
37.2	What was the major source of the stated lost foods?	*1=The community forest; 2=Wild bush 3=Local market*		
37.3	Does the child have any non-normal condition?	*1=Yes; 0=No*		
37.4	What kind of condition characterizes the abnormal condition on child?	*1=lame leg (s); 2=lame hand;3=lame leg & hand; 4=Big head syndrome; 5=Blind; 6=Split lips; 999=other spec.*		

Q38.0: Mother's general health status, nutrition status (BMI) and dietary diversity

Q3.1: Background information about the mother

#	Question	Coded choices	Response
38.1	First Name (if not the respondent)		ID:
38.2	Age in years		__
38.3	Number of live births		__ /__ /_
38.4	Age of youngest child (in months)		
38.5	Have you been sick in the last one month	*1=Yes; 0=No*	__ __
38.6	If yes above, did you (the mother) receive any form of teatment	*1=Yes; 0=No*	
38.7	If you (the mother) received any form of treatment what was the source of treatment	*1=Hospital* *2=Chemist/drug shop* *3=Private clinic* *4=Government health center* *5=traditional medication,* *99=Other (specify).....*	
38.8	Is there a likely hood of you being expectant at this moment	*1=Yes; 0=No*	
38.9	Weight of mother (Kilograms)		
38.10	Height of mother (cm)		

Q39.0. Individual Dietary diversity score for the mother of child

Please describe the foods (meals and snacks) that you (the mother) ate or drank yesterday during the day and night, whether at home or outside. Start with the first food or drink of the morning. (Write down all foods and drinks mentioned. When composite dishes are mentioned, ask for the list of ingredients. When the respondent has finished, probe for meals and snacks not mentioned)

	Kind of meal based on time of consumption	**Had the meal** *0=No 1=Yes*	**Name of meal (Local)**	**Ingredients**	**Cooking method** *1=Raw, 2=Boiling, 3=Roasting 4=Frying/stewing 66=Other …..*	**Source *Main source*** *1=Farm, 2=Market/shop, 3= Gift 4= Food aid 5=Gathering/hunting 66=Other ……..*
39.1.	(M1) Breakfast					
39.2.	(M2) Mid-morning snack					
39.3.	(M3) Lunch					
39.4.	(M4) Mid-Afternoon snack					
39.5.	(M5) Dinner/ supper					
39.6.	(M6) Night snack					
39.7a.	Was food consumption of mother just reported very different from that of the general household yesterday? i.e. are there any food items that the household members consumed and you didn't or any that you consumed and they didn't (*1=Yes, 2=No*)					
39.7b.	If yes, what were some of the differences in foods consumed? ……					
40.1a.	Was yesterday an ordinary day or was there anything special about yesterday (such as special function, visitor around e.t.c)? (*1=Yes, 2= No*)					
40.1b.	If it was a different or special day, what happened?					

41.0: Food attitudes and choices

#	**Question**	**Code choices**	**Response**
41.1	Are there some foods you used to consume 20 years ago and you are no longer consuming them today?	*1=Yes, 0= No*	
41.2	a] If yes List the foods		
	b] In which year did you last eat the stated food (for each in 36.2a)?		

Q42.0: Consumption with regards to food groups

(This table is to be filled **after the recall by the enumerators based on answers in q…. and q…**and it will be compressed in accordance with the standard measures of dietary diversity for child <5yrs and women of reproductive age during data entry and analysis)

QN#	Food group	Examples	Consumed *1=Yes; 0=No*	
			Child	**Mother**
42.1.	CERALS & GRAINS	*Porridge, 'Posho/Ugali' Bread, Rice, Noodles, maize grain, Maize or other foods made from grain like: Sorghum, Millet, Wheat*		
42.2.	WHITE ROOTS, TUBERS & BANANAS	*Sweet Potato (white), white Yams, Cassava, Irish Potato or any other foods made from roots*		
42.3.	VITAMIN A RICH VEGETABLES, TUBERS & BANANAS	*Pumpkin, Carrots, Sweet Potatoes, bananas that are yellow or orange inside*		
42.4.	DARK GREEN LEAFY VEGETABLES	*Amaranth leaves, bean leaves, cassava leaves, pumpkin leaves, any other vegetables with dark green leaves*		
42.5.	OTHER VEGETABLES	*Chinese, Cabbage, Eggplants, Tomatoes, Onions, Green Pepper, Green Beans, green peas, Cats Whiskers, Hibiscus Leaves, Mushroom,*		
42.6.	VITAMIN A RICH FRUITS	*Ripe Mangoes, ripe Paw paws, or other local frits with dark yellow, orange or red flesh*		
42.7.	OTHER FRUITS	*Oranges, Lemons, Tangerines, dessert bananas, jack fruit, Loquat (local), Loquat (hybrid), Mulberry*		
42.8.	ORGAN MEATS	*Liver, Kidney, Heart, Blood, Intestines, or other organ meats*		
42.9.	FLESH MEATS	*Beef, Pork, Lamp, Goat, Chicken, Mice, Rabbits, Ducks, Guinea fowls*		
42.10.	EGGS	*Eggs from: Chicken, Ducks, Guinea fowls, Turkey, Pegeon, or other eggs from any kind of birds*		
42.11.	FISH & SEA FOOD	*Fresh or dried fish like: Tilapia, nile pearch, Mukene/dagala, Utaka, Usipa, Mlamba*		
42.12.	LEGUMES, NUTS & SEEDS	*Any food made from beans: ground beans, peas, peas, lentils, soya; or seeds: Sesame, Sunflower, Pumpkin seeds, Pigeon peas, Cow peas; or nuts like: Bambara Nut, Macadamia, Coconut*		
42.13.	MILK & MILK PRODUCTS	*Milk, or other milk products like: Sour milk, Yoghurt*		
42.14.	OILS &FATS	*Cooking fat/oil, Butter, Margarine, Avocado*		
42.15.	INSECTS	*Grasshoppers, white ants, ants, caterpillars, other……*		
42.16.	SWEETS & SUGARS	*Such as Chocolates, Sugar, Honey, Sweets/Candies, African cake, Biscuits, Soda, Fanta, Coca-Cola, Sprite, Cocopina, Sugar cane,*		
42.17.	CONDIMENTS & SPICES	*Chillies, Pepper, Ginger, Spices, Herbs, Salt or fish powder*		
NB: Information reported here will be collapsed into groups as per the guidelines of measuring minimum dietary diversity for women and as per IYCF guidelines				

43.0: Agro-biodiversity Assessment (farm ownership, crops grown) and changes comparing current and in the past 15 years

Q43.A Farm Land Ownership Details and disputes (with reference to 2017)											**HHID**
Fill in all the land codes as identified in QN 30.3 Pointing to each identified land on the drawing, ask the following questions about each land, one PLOT at a time. Code '88' if the respondent does not know the answer. Non- adult is defined as someone below the age of 18 years)											
On how many pieces of land/ land parcels have you done production of both crops and (or) livestock in the recent two seasons (Tick the parcels in the next row and ask the subsequent questions for the parcels ticked)											
43.0a	43.1a	43.2a	43.3a	43.4a	43.5a	43.6a	43.7a	43.8a	43.9a	43.10a	43.11a
Plot Code (as assigned in QN)	What is the approx. distance of the parcel from the homestead (km)	What is the size of the parcel *(acres)* ? x	Who owns this piece of land? Code A	Who primarily works the parcel of land? (Code A)	At HH, who makes the final decision on which crops to plant on land? (Code A)	Is there any dispute with regards to ownership of this parcel of land? *1=Yes, 0=No*)	Who is disputing? CODE B	How many years has the dispute lasted?	Is the dispute influencing how you use the land? *1=Yes, 0=No*	What is the kind of influence? CODE C	Where have you reported the land dispute? CODE D
Parcel 1											
Parcel 2											
Parcel 3											
Parcel n											

CODE A:	*CODE B:*	CODE C: (MR)	*CODE D:*
1=Husband; 2=wife; 3=both husband and wife; 4=male child; 5=Female child, 6=elders, 7=The parents; 8=The clan 66=other (specify…….)	*1=Neighboring individual; 2=family member; 3=The clan; 4=Church institution; 5=State projects/institution; 6=Urban authority; 7=School; 999=Other……*	*1=Type of crops/animals grown/kept; 2=land management practices; 3=Soil conservation practices applied; 4=Investment in LT farm enterprises; 999=Other) …*	*1=LC; 2=Clan; 3=District court; LCV 4=RDC; 5=Land tribunal; 6=Relative; 7=Police; 8=Magistrate court; 99=Other, specify……*

43.0: Before 1997: Select the land parcel that was owned then and follow with the respective questions

Q43.0B Farm Land Details and disputes (with reference to before 1997)									**HHID**		
Fill in all the land codes as identified in QN 26.4. Pointing to each identified land on the drawing, ask the following questions about each land, one PLOT at a time. Code '88' if the respondent does not know the answer. Non- adult is defined as someone below the age of 18 years)											
On how many pieces of land/ land parcels have you done production of both crops and (or) livestock in the recent two seasons (Tick the parcels in the next row and ask the subsequent questions for the parcels ticked)											
43.0b	43.1b	43.2b	43.3b	43.4b	43.5b	43.6b	43.7b	43.8b	43.9b	43.10b	43.11b
Plot Code (as assigned in QN 26.4b)	What was the approx. distance of the parcel from the homestead (km)	What was the size of the land *(acres)*? x	Who owned this piece of land? *Code A*	Who primarily managed the land? *(Code A)*	At HH, who made the final decision on which crops to plant on land? *(Code A)*	Was there any dispute with regards to ownership of this parcel of land?*1=Yes, 0=No*)	Who was disputing? *CODE B*	How many years did/has the dispute lasted?	Did the dispute influence how you use the land? *1=Yes, 0=No*	What was the kind of influence? CODE C	Where did you report the land dispute? *CODE D*
Parcel 1											
Parcel 2											
Parcel 3											
Parcel 4											
Parcel 5											

CODE A:	*CODE B:*	CODE C: (MR)	*CODE D:*
1=Husband; 2=wife; 3=both husband and wife; 4=male child; 5=Female child, 6=elders, 7=The parents; 8=The clan 66=other (specify…….)	*1=Neighboring individual; 2=family member; 3=The clan; 4=Church institution; 5=State projects/institution; 6=Urban authority; 7=School; 999=Other……*	*1=Type of crops/animals grown/kept; 2=land management practices; 3=Soil conservation practices applied; 4=Investment in LT farm enterprises; 999=Other) …*	*1=LC1;2=LC2;3=LC3; 4=LC5 5=Clan;6=Magistrate court 7=High court;8=Police; 9=Relative; 10=Land tribunal 11=Area MP; 12=RDC 13=NGO (e.g LEMU, ULA, MIFUMI e.t.c) 999=Other (specify)*

43.0D: Source of Land impermanence and perceptions

	Q43.0D: The perception of households in relation to their land tenure stability/instability. Please	Choices	Option
	On your main parcel of land, do you agree or disagree with the following statements		
1	Do you agree that the security of your land is strong because this is where you have lived for years?		
2	This land has been owned and controlled by me and/or my family for many years		
3	There are no disputes in my family or the community in relation to my land		
4	I/We are hindered in how we manage our land because there is uncertainty about who controls the land		
5	Due to uncertainty surrounding this land, we are not able to use it the way we would like to		
6	My family and I have regularly made long term decisions (5 years +) about how we use our land because we feel very secure on the land		
7	There is no point in improving or developing the land I/we live on due to many issues on the land and I may not have this land in 5 or 10 years' time		
8	This land is on customary land and so is secure for a very long time to come		
9	This land is on customary land and therefore there is a lot of uncertainty around me and my family controlling it in the long term		
10	There has been a lot of land grabbing in this community and I feel my land is not safe from too		
11	My husband's/wife's relatives are always trying to get my/our land so there is conflict over the land?		
12	I expect that I and my family will continue to farm the land for a very long time to come		
13	The big challenge we have in my family is land dispute between the parents and the children		
	RATING OF IMPERMANENCE CHARACTERISTICS		
	On a scale of 1-5, how do you rate the security of you main parcel of land based on the following statements		
	This land has been owned and controlled by me and/or my family for many years		
	There are no disputes in my family or the community in relation to my land		
	I am/We are hindered in how we manage our land because there is uncertainty about who controls the land		
	Because of uncertainties surrounding this land, we are not able to use it the way we would like to		

	My family and I have regularly made long term decisions (5 years +) about how we use our land because we feel very secure on that land		
	There is no value in improving or developing my/our land due to many issues surrounding this land and I may not have this land in 5 or 10 years' time		
	The land is on customary land and so is secure for a very long time to come		
	This land is on customary land and thus has a lot of uncertainty about my family controlling it in the long term		
	There has been a lot of land grabbing in this community and my land is also not safe.		
	My husband's/wife's relatives are always trying to get my/our land so it causes a lot of conflict over the land?		
	I expect that I and my family and my children will continue to farm land for a very long time to come		
	One big challenge we have in my family is disputes between the parents and the children around land		
	GENERALLY,		
	On a scale of 1-5, How do you rate your security on land?	X	
		Y	
	CODE X *7=Very secure; 6=Slightly secure; =Secure; 4=I don't know* *3=Insecure; 2=Slightly insecure; 1=Very insecure*	***CODE Y*** *7=Strongly agree; 6=Moderately agree; 5=Agree; 4=Ambivalent* *3=Disagree; 2=Moderately disagree;* *1=Strongly disagree*	

Q43.0C Farm Land Details and disputes (with reference to 2007)							**HHIDs**		
To what extent have the following factors affected your land tenure stability & investment for the respective parcel (tick applicable)?									
43.0c	43.1c	43.2c	43.3c	43.4c	43.5c	43.6c	43.7c	43.8c	43.9c
Parcel No.	Insecurity or war	Government agency/projects	Land disputes	Population growth	Climate change	Urbanization	Poverty	Foreign investors	Local investors
Parcel 1									
Parcel 2									

Parcel 3									
Parcel 4									
Parcel n									
43.10c	What has been your response to the factor? (use CODE B)								
CODE A: *-2=very negative;* *1=positively;* *-1=somewhat negative;* *2=very positively)* *0=neither/nor;* *66=other (specify…….)*				CODE B *1=Went to court; 2=Stopped cultivating on the parcel; 3=Planning to shift;* *4=Surveyed my land & acquired a title; 5=Abandoned the parcel; 6=Planted trees* *7=Do not know what to do/Done nothing; 8=ADR (alternative dispute resolution)* *99=other, specify……)*				
Q43.0C Farm Land Details and disputes (with reference to 2007)							**HHIDs**		
To what extent have the following factors affected your land tenure stability & investment for the respective parcel (tick the applicable)?									
43.0c	43.1c	43.2c	43.3c	43.4c	43.5c	43.6c	43.7c	43.8c	43.9c
Parcel No.	Insecurity or war	Government agency/projects	Land disputes	Population growth	Climate change	Urbanization	Poverty	Foreign investors	Local investors
Parcel 1									
Parcel 2									
Parcel 3									
Parcel 4									
Parcel 5									
43.10c What has been your response to the factor? (use CODE B)									
CODE A: *-2=very negative;* *1=positively;* *-1=somewhat negative;* *2=very positively)* *0=neither/nor;* *66=other (specify…….)*				CODE B *1=Went to court;* *2=Stopped cultivating on the parcel;* *3=Planning to shift;* *4=Surveyed my land & acquired a title* *5=Abandoned the parcel*					

	6=Planted trees *7=Do not know what to do/Done nothing* *8=ADR (alternative dispute resolution)* *99=other, specify……)*

44.0. A Agrobiodiversity

Q44.0A Plant species on Land (with reference to current time 2017)								
Species grown and those allowed to naturally regenerate on the farm (for the last 12months)								
Please list all useful species - that were grown and allowed to naturally regenerate during the last 12 months on [spp. # & parcel #]. Useful species are those that are used for food, animal feed, fuel, construction, or other purposes". *Record each species in a separate column in the row* ***'Species Name'*** *and add the language in which the species name was cited in brackets.*								
44.0a	44.1a	44.2a	44.3a	44.4a	44.5a	44.6a	44.7a	44.8a
Name of spp.	On which parcel is the species? *Note only the No.*	What is the area occupied by the species (acres)?	*If species is a tree,* what is the total of trees planted/ present? (#, unit)	How many years have you grown this species on your land?	Who takes primary care of the species? ***Code B***	Who makes the primary decisions about household consumption of the species harvested from the plot? ***Code B***	Who makes the primary decision about the marketing of the species from the plot? ***Code B***	Who makes the primary decision about the use of the revenue from sale of the species from the plot? ***Code B***
Species 1								
Species 2								
Species 3								
Species 4								
Species 5								

Species 6								
Species 7								
Species 8								
Species 9								
Species 10								
CODE A: Species (use the codes of species generated following ABD FGD)						CODE B: *1=Husband; 2=wife; 3=both husband and wife; 4=Male child, 5=Female child; 6=elders; 7 = not consumed; 8=Not sold; 66= other(specify) ……..*		

44.0B: Agro-biodiversity over the 20 years ago (Before 1997)

QN 44.0B: Are there plant species that have been lost over the past 20 years? *1=Yes>>39.0b; 0=No>>40*									
Please list all useful species - that were grown and allowed to naturally regenerate in the past [before 2007]. Useful species are those that are used for food, animal feed, fuel, construction, or other purposes". *Record each species in a separate column in the row* ***'Species Name'*** *and add the language in which the species name was cited in brackets.*									
44.0b	44.1b	44.2b	44.3b	44.4b	44.5b	44.6b	44.7b	44.8b	44.9b
Which spp. have been lost? #..... Please give name of spp.	On which parcel was the species? *Note only the No.*	What was the area occupied by the species (acres)?	*If species was a tree,* what was the total of trees planted/ present? (#, unit)	When did you last notice the spp.?	Who took primary care of the species? ***Code B***	***What was the major use of the specie*** ***Code C (MR)***	Who made the primary decisions about household consumption of the species when harvested? ***Code B***	Who made the primary decision about the marketing of the species from the plot? ***Code B***	Who made the primary controlled & decided about the use of the revenue from sale of the species from the plot? ***Code B***
Species 1									
Species 2									
Species 3									
Species 4									
Species 5									

Species 6									
Species 7									
Species 8									
Species 9									
Species 10									

CODE A: Species (use the codes of species generated following ABD FGD)	CODE C: Spp. uses *1=Food/Nutrition; 2=Medicine; 3=Income 4=Craft making; 5=Building; 6=*	CODE B: *1=Husband; 2=wife; 3=both husband and wife; 4=Male child, 5=Female child; 6=elders; 7 = not consumed; 8=Not sold; 66= other(specify) ……..*

QN 45.0: Domesticated animal species maintained by the household for either or both income and food

Ask respondent" Please list all useful animal species that you maintain on farm (including birds and, insects). Useful animal species are those that are used for food, fuel, fertilizer, or any other use". *Record each species in a separate column in the row 'Name of Animal Species'. Use additional sheets of section 7 to accommodate the number of species collected. Code '88' for "do not know".*

45.1a	45.2a	45.3a	45.4a	45.5a	45.6a	45.7a	45.8a	45.9a	45.10a	45.11a	45.12a	45.13a
Animal spp. #..... CODE A	How many animals of this species do you currently own? *(#)*	What is the use of the animal or the animal products? *code B* MR	If produced, what is the prime use of milk? *code C*	Who makes the final decisions on the use of milk? *code D*	If produced, what is the prime use of eggs? *code C*	Who makes the final decisions on EGGS consumed? *code D*	What is use of meat if produced? *code C*	Who decides on use of meat? *code D*	What is the use of manure from the animals? *code B*	What kind of breeds are kept? Code E	Who cares for the animal spp.? Code D	Who makes a final decision on animal ? code D
Species 1												
Species 2												
Species 3												
Species 4												

CODE A: Animal spp. *1=Goats; 2=Cattle; 3=Sheep; 4=Pigs; 5=Chickens; 6=Rabbits; 7=*	CODE B: *1=Food, 2=Dung Fuel, 3=Fertilizer, 4=Sell for income; 5=smearing; 6=Culture (such as dowry, sacrifice); 7=throw away; 66= Other (specify)*	*CODE C:* *1=household consumption, 2=sale, 3=both income & consumption; 4=not produced; 5=Not consumed; 66=others (specify)*	*CODE D:* *1=Husband, 2=wife, 3=both HW, 4=child, 5=elders, 6= not consumed; 66=others (specify)*	*CODE E:* *1=local; 2=improved; 3=cross of local and improved; 4=cross of different local)*

45.0B: Interrogating animal species KEPT in the past

45.0b. For how many years have you kept/ reared this species? ……
If reared for a period of less than 2 years, it reflects a change in species. Then ask the next question

45.0b. Are there animal species you use to rear in the past 10 years (before 2015) and you are not currently rearing? *1=Yes; 0=No*

45.1b	45.2b	45.3b	45.4b	45.5b	45.6b	45.7b	45.8b	45.9b	45.10b	45.11b	45.12b	45.13b
Name animal spp. *CODE A*	How many animals of this species did you own?	What was the use of the animal or the animal products? *code B* MR	If produced, what was the prime use of milk? *code C*	Who made the final decisions on milk? *code D*	If produced, what was the prime use of eggs? *code C*	Who made the final decisions on eggs? *code D*	What was the use of meat produced? *code C*	Who decided on uses of meat? *code D*	What was the use of manure from the animals? *code B*	What kind of breeds were kept? Code E	Who cared for the animal spp.? Code D	Who made a final decision on use of animal ? code D
Specie 1												
Specie 2												
Specie 3												
Specie n												

CODE A: Animal spp. *1=Goats;* *2=Cattle;* *3=Sheep;* *4=Pigs;* *5=Chickens;* *6=Rabbits;* *7= (list expanded in tab)*	CODE B: *1=Food,* *2=Dung Fuel,* *3=Fertilizer,* *4=Sell for income;* *5=smearing;* *6=Culture (such as dowry, sacrifice);* *7=throw away;* *99= Other (specify)*	*CODE C:* *1=household consumption,* *2=sale,* *3=both income & consumption;* *4=not produced;* *5=Not consumed;* *99=others (specify)*	*CODE D:* *1=Husband,* *2=wife,* *3=both HW,* *4=child,* *5=elders,* *6= not consumed;* *99=others (specify)*	*CODE E:* *1=local;* *2=improved;* *3=cross of local and improved;* *4=cross of different local)*

45.0C: Change in numbers of animal spp. Over the past years

45.1c	Considering 10 years ago (b4 2007), generally were you rearing species than what you have now?	*(1=More; 2=Less; 3=No Change; 4=Not applicable)*
45.3c	If the answer is either 1 or 2 above, what has led to the change?	*(1=I didn't have the land; 2= I had more land; 3=I had land disputes; 4=I was more settled on my land; 5=I lost control over land; 6=Other ……)*

QN4.0: Wild or semi wild plants, animal and aquatic species gathered, hunted, trapped or fished for human FOOD from common/homestead lands, lakes or ponds

46.1	**46.2**	**46.3**	**46.4**	**46.5**	**46.6**	**46.7**	**46.8**	**46.9**	**46.10**
Wild spp. *1=Plant* *2=Animal* *3=Aquatic*	**Name of spp.** *Text*	Which season is the species collected? *1=Jan;* *2=Feb;* *3=Mar;* *4=Apr;* *5=May;*	What part of the plant is used? *1=Seed,* *2=Leaf,* *3=Stem,* *4=Root,*	Who eats it? *1=Husband,* *2=wife,* *3=child,* *4=elder,* *5=whole HH* *6=not eaten,*	Who makes the prime decision about the consumption of the species?	If sold, who makes the primary decision regarding marketing of the species?	Who makes the decision on revenue use from the sale of the species? *1=Husband,* *2=wife,*	Considering 10 years ago, were you getting more or fewer types/ number of species (animal/ plant)	If the answer (in QN) is either 1 or 2, what has led to the change?

		6=Jun; 7=Jul; 8=Aug; 9=Sep; 10=Oct; 11=Nov; 12=Dec 13=Year-round	*5=Flower, 6=Whole, 7=Fruit, 8=Skin, 9=Meat, 66=Other (specify))*	*66=other (specify)*	*1=Husband, 2=wife, 3=both, 4=child, 5=elders, 6=not eaten, 99=other (specify)*	*1=Husband, 2=wife, 3=both, 4=child, 5=elders, 6= not sold; 99=other (specify)…*	*3=both, 4=child, 5=elders, 6= not sold; 99=other (specify)…*	from the wild as compared to now? *1=More; 2=Less; 3=No Change; 4=NA*	Code Z
Species 1									
Species 2									
Species 3									
Species n									
Code Z: *1=The habitats of most species has been improved,* *2=The habitats of most species has been destroyed,* *3=I could access more of the natural habitats and land,* *4= Couldn't access most of the natural habitats and land,*					*5=Change in attitudes towards hunting, gathering and trapping;* *6=The species are no longer there;* *7=The species are now available I had land disputes;*				
Any comment from the respondent									

END OF QUESTIONING

Thank you for participating in this study