

Section 1 Master-Fragebogen english

Tabelle t\_hh

**The Reference period for all questions is always the last Masika and Vuli rain season from March 2009 to February 2010 (12 months!!!)**

**Filled in by enumerators**

1	Interviewer	1001
3	Name of the key respondent	1003
5	Name of the household	1005
2	Subvillage	1002

12 Notes

1012
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**filled out in Germany**

11	Questionnaire number	1011
10	Person Data entered	1010
4	Respondent ID	1004
6	Household ID	1006

GPS Coordinates	South 1007a; East 1007b
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Altitude	1008
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Questionnaire Language 1013

Interview Date 1009

Section 2: HH Member Tabelle: t\_mem

0	1	2	3	4	5	6	7	8	9	10
ID	<i>Please give me a list of all individuals you consider members of this households.</i>	Who is the household head?	Gender	Age in years	How many months does ... stay in this household in the last Masika and Vuli rain season?	Number of years of schooling	Who is currently enrolled in school?	What was the amount of school expenses ... in the last Masika and Vuli rain season?	When did the household head first work on his own farm?	In which of the agricultural and household activities ... is involved?
2000	<i>First Name, Surname</i>	<i>Mark the household head with X</i>	Codes:  <i>1 = male 2 = female</i>	<i>years</i>	<i>months</i>	<i>years in school</i>	Codes:  <i>0=no 1=yes</i>	Codes:  <i>for each hh member enrolled in school  TZS per year</i>	Codes:  <i>ask only for the household head  year</i>	Codes:  <i>1= related to homestead 2= related to own field work 3= related to livestock keeping  4= related to shopkeeping / selling 5= school</i>
HHM1	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
HHM2										
HHM3										
HHM4										
HHM5										
HHM6										
HHM7										
HHM8										
HHM9										
HHM10										

Hinzugefügt: Number of member } Tabelle t-hh  
 Anyone Off-farm employed

Tabelle: t\_mem

**OFF-FARM EMPLOYMENT**

*Every work NOT related to the own farm!*

0 ID	1 <i>Please continue asking for the household members from page 2!</i>  First Name, Surname	2 How many days per week does ... work on the farm?	3 Did ... work in an off-farm wage employment in the last Masika and Vuli rain season?  Codes: 0=no 1=yes	4 How many different jobs did ... have in the last Masika and Vuli rain season?  number of jobs outside the own farm	5 Where does ... work mainly in off-farm-employment?  Codes: 1= in the village 2= outside the village	6 Type of off-farm activity  Off-farm employment activity  9,9898E-289	7 IF 1= IN THE VILLAGE: Where is the hh member employed?  Codes: 1= Own 2=Employed (please name the employer)	8  Codes: 1= Tandai, 2=Doga 3= Lusegwa, 4=Lukenge 5=Nyange, 6=Kisaga 7=Tonya  subvillage	9 IF 2= OUTSIDE THE VILLAGE: Name the village or town.  name of the village or town	10 Why ... work outside the village?  Codes: 1= no work available in the village 2=own wish
HHM1		2011	2012	2013	2014	2015	2016	2017	2018	2019
HHM2										
HHM3										
HHM4										
HHM5										
HHM6										
HHM7										
HHM8										
HHM9										
HHM10										

Type of off-farm activity: 1=village community, district, government 2= teacher 3= trader 4= fisher 5= shopkeepe  
6= tailor 7= cook 8= traditional healer 9= agricultural labourer on other farms 10=church, mosque 11= driver (tra 12= guide (to

Tabelle: t\_mem

RECEIVING FROM off-farm-employed      SENDING TO off-farm employed

ID	0 <i>Please continue asking for the household members from page 2!</i>  <i>First Name, Surname</i>	1 Distance in travelling time (hours)?  <i>hours</i>	11 Way of travelling?  <b>Codes:</b> <i>1= on foot</i> <i>2= bike</i> <i>3= motorcycle</i> <i>4= dalla dalla</i>  <i>90 = other, please specify</i>	12 What did ... earn during off-farm employment in the last Masika and Vuli rain season?  <i>TZS per year</i>	13 Did you RECEIVE or SENT any money or in kind from or to the OFF-FARM employed household member?  <b>Codes:</b> <i>0=no</i> <i>1= recieve</i> <i>2= sent</i> <i>3=both</i>  <b>If 0=no ==&gt; proceed with next page</b>	14 Money RECEIVED from the off-farm working hh member between in the last Masika and Vuli rain season.  <i>TZS per year</i>	15 In kind RECEIVED from the off-farm working hh member between in the last Masika and Vuli rain season.  <i>crop / item   amount   unit</i>			16 Money SENT to the off-farm working hh member between in the last Masika and Vuli rain season.  <i>TZS per year</i>	17 In kind SENT to the off-farm working hh member between in the last Masika and Vuli rain season.  <i>crop / item   amount   unit</i>		
							OFF-FARM ==> HH	OFF-FARM ==> HH	OFF-FARM ==> HH		HH ==> OFF-FARM	HH ==> OFF-FARM	HH ==> OFF-FARM
		2020	2021	2022	2023	2024	2025	2026	2027	2029	2030	2031	2032
HHM1													
HHM2													
HHM3													
HHM4													
HHM5													
HHM6													
HHM7													
HHM8													
HHM9													
HHM10													

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urism)

Value in Tsh: 2028

Value in Tsh: 2033

Section: Migration besides Off-farm employment

RECEIVING remittances FROM migrated

SENDING remittances from migrated member

0	1	2	3	4	5	6	7	8	9	10	11
ID	<i>Please continue asking for the household members from page 2!</i>	Did you RECEIVE or SENT from/to a migrated household member apart from the off-farm workers any kind of cash or in kinds?  <b>Codes:</b> 0=no 1= recieve 2= sent 3=both  <i>If 0=no ==&gt; proceed with next page</i>	Where do they live?	Money RECEIVED from the hh member in the last Masika and Vuli rain season?	In kind RECEIVED from the absent hh member in the last Masika and Vuli rain season			Money SENT to the absent hh member in the last Masika and Vuli rain season	In kind SENT to the absent hh member in the last Masika and Vuli rain season		
	First Name, Surname		village / town	TZS per year	crop / item	amount	unit	TZS per year	crop / item	amount	unit
				MIGR ==> HH		MIGR ==> HH		HH ==> MIGR		HH ==> MIGR	
HHM1		2034	2035	2036	2037	2038	2039	2041	2042	2043	2044
HHM2											
HHM3											
HHM4											
HHM5											
HHM6											
HHM7											
HHM8											
HHM9											
HHM10											

Value in Tsh: 2040

Value in Tsh: 2045

**Section: Hired employees (NO Household members!!!)**

1 In which months do the household face scarcity in family labour?

3001 a-1 } + Variable in General Yes/no Table T\_hh

2 In which months do you hire labour?

3002 a\_1 } + Variable in General Yes/no Table T\_hh

Please, list all hired labourers on your farm for the last Masika and Vuli rain season:

0	1	2	3	4	5	6	7	8	9	10	11
ID	Name of the employed worker	Gender	Age in years	Relationship to the employed worker?	Living where?	Number of working days in the period	Main activities	wage in cash per unit?	Wage in kind per unit?		
		<b>Codes:</b> 1 = male 2 = female		<b>Codes:</b> 1= direct neighbour 2= relative 3= friend 4= did not know before	<b>Codes:</b> 1= in the village 2= outside the village		<b>Codes:</b> 1= land preparation / slashina 2= harvesting 3= weeding 4= helping in shopkeeper activities 5= helping in homestead 90 = other, please specify				
3003	Name of the employed worker		years			estimated working days		TZS per unit	crop / item	amount	unit
W1	3004	3005	3006	3007	3008	3009	3010	3011	3012	3014	3015
W2											
W3											
W4											
W5											
W6											
W7											
W8											
W9											
W10											
W11											
W12											

12 In which months do you look for other employment possibilities?

3000 a-1 } + Variable in General Yes/no Table T\_hh

Section: Land tenure

Do you own or rent agricultural plots, woodlots, traditional, individual forests or borrowed? 4000 Table T\_hh

renting in land

0 ID	1 Distance to homestead in hours to walk  Codes:  hours	2 Subvillage location of the plot?  Codes: 1= Tandai, 2=Doga 3= Lusegwa, 4=Lukenge 5=Nyange, 6=Kisambwa 7=Tonya  subvillage	3 Plot size?  Codes:  acre	4 Ownership?  Codes: 1=individual 2=family 3= community  90 = other, please specify	5 Tenure status  Codes: 1=rented in 2=rented out 3= inherited 4= community land 5= purchased 90 = other, please specify	6 Since which year are you using this plot?  year	7 If RENTED IN, please name the owner of the land.  Codes:  name (surname) of the household	8 How much money did you pay for the unit of land in the last Masika and Vuli rain season??  Codes:  TZS	9 Codes: 1=per year 2=per 2 years 3=per 5 years 4= per 10 years 5= lifetime  unit	10 User of the plot  Codes: 1=household itself 2=other household in the village 3= relatives in the village  90 = other, please specify	
4001											
plot 1	4002	4003	4004	4005	4006	4007	4008	4009	4010	4011	4015
plot 2											
plot 3											
plot 4											
plot 5											
plot 6											
plot 7											
Traditional forest											
Woodlot											

4012, 4013, 4014 Payments in in Kind

Table T\_Plots  
Section: La

renting out land						Tenure security						
0 ID	11 If the HOUSEHOLD ITSELF IS NOT the user, please name the user of the land.  Codes:  <i>name (surname) of the household</i>	12  Codes:  <i>Subvillage</i>	13 How much did you get for renting out this piece of land in the last Masika and Vuli rain season??  Codes:  <i>TZS</i>	14  Codes: <i>1=per year 2=per 2 years 3=per 5 years 4= per 10 years 5= lifetime</i>  <i>unit</i>	15 Perception of land tenure security  Codes: <i>1= secure 2= insecure</i>	16 Right to grow any crop you want?  Codes:	17 Right to grow perannuals such as agroforestry?  Codes:	18 Right to cut trees?  Codes:	19 Right to sell?  Codes:	20 Right to rent out?  Codes:	21 Would you like to expand your land size?  Codes: <i>0=no 1=yes</i>	22 If 1= yes: for which purpose?  Codes:  <i>Keywords</i>
plot 1	4016	4017	4018	4019	4023	4024	4025	4026	4027	4028	4030	4031
plot 2												
plot 3												
plot 4												
plot 5												
plot 6												
plot 7												
Traditional forest												
Woodlot												

4020,4021,4022 Payments in in Kind

4029 Comments Land tenure



## Section: Soil fertility

Table T\_Plots

1	2	3	4	5	6	6	7	8
	Land type at time of acquisition	Land use type now	Slope type of the plot?	Soil type of the plot?	Colour of the soil?	Fertility of the plot now?	How would you assess the fertility now compared to the fertility at acquisition?	If 1 or 3: Why do you think it has been reduced or improved?
<b>Codes:</b>	<b>Codes:</b>	<b>Codes:</b>	<b>Codes:</b>	<b>Codes:</b>	<b>Codes:</b>	<b>Codes:</b>	<b>Codes:</b>	<b>Codes:</b>
	1= cropland in use (food and cash) 2= abandoned cropland 3= grassland 4= forest or other wooded land 5= wetland 90 = other, please specify	1= cropland in use 2= abandoned cropland 3= grassland 4= forest or other 5= wetland 90 = other, please specify	1=flat 2=sloping 3=steep 90 = other, please specify	1= sandy 2= loamy 3=clayey 90 = other, please specify	1=blackish 2=brownish 3=redish	1=unfertile 2=somewhat fertile 3=fertile 4=very fertile	1=reduced 2= stayed the same 3= has improved	0= do not know        Keywords
plot 1	4032	4033	4034	4035	4036	4037	4038	4039 improved
plot 2								4040 reduced
plot 3								
plot 4								
plot 5								
plot 6								
plot 7								
traditional forest								
woodlot								

Section: Sc Table T\_Plots

soil conservation measurements

1	9	10	11	12	13	14	15	16
	What is the predominant type of environmental conservation on each plot?	Do you face yield losses due to soil degradation for specific crops in the last 10 years?	For which crops?	Yields in the past	Yields now	Do you plan to invest to reduce more soil degradation to improve yields?	If 1=yes: Which kind of measurements you want to invest in?	If 0=no: Why not?
<b>Codes:</b>	<b>Codes:</b> 1= <i>contouring</i> 2= <i>tree planting</i> 3= <i>terracing</i> 4= <i>intercropping</i> 5= <i>grass strips</i> 90 = <i>other, please specify</i>	<b>Codes:</b> 0= <i>no</i> 1= <i>yes</i>	<b>Codes:</b>  <i>name</i>	<b>Codes:</b>  <i>quantity</i>	<b>Codes:</b>  <i>quantity</i>	<b>Codes:</b> 0= <i>no</i> 1= <i>yes</i>  <i>quantity</i>	<b>Codes:</b> 1= <i>contouring</i> 2= <i>tree planting</i> 3= <i>terracing</i> 4= <i>intercropping</i> 5= <i>grass strips</i> 90 = <i>other, please specify</i>	<b>Codes:</b>  <i>keywords</i>
plot 1	4041	4042	4043	4044	4045	4046	4047	4048
plot 2								
plot 3								
plot 4								
plot 5								
plot 6								
plot 7								
traditional forest								
woodlot								

# Section 9: Specification of cash and food crops, contract farming

Please think of the last Masika and Vuli rain season in the last year (march

Table T\_crops

0	1	2	3	4	5	6	7	8	9
ID	Please name all agricultural FOOD and CASH crops you produced in the last Masika and Vuli season?	On which plot do you produce the crops?  <b>Codes:</b> <i>plot 1</i> <i>plot 2</i> <i>plot 3</i> <i>plot 4</i> <i>etc.</i> <i>plot number</i>	Did you face any difficulties to start cultivation of this crop?  <b>Codes:</b> <i>1= no access to credit</i> <i>2= no access to output markets</i> <i>3= low output prices</i> <i>4= high input prices</i> <i>etc.</i> <i>5= agricultural knowledge</i> <i>6= no access to land</i>	Did you change agricultural practices in the last 5 years?  <b>Codes:</b> <i>0=no</i> <i>1=yes</i>	Do you have a contract with a buyer for ...? (name the crops from question 1)  <b>Codes:</b> <i>1= written contract</i> <i>2= oral contract</i> <i>3= no contract but specific buyer</i> <i>4= no contract, no specific buyer</i> <i>if 4 ==&gt; go to next page</i> <i>90 = other, please specify</i>	Where is the buyer located?  <b>Codes:</b> <i>1= in the village</i> <i>2= outside the village</i>  <i>starting year</i>	What is the content of the contract / buyer-seller relationship?  <b>Codes:</b> <i>1= minimum prices</i> <i>2= buying guarantee</i> <i>3= free access to seeds</i> <i>4= free access to fertilizer</i> <i>5= free access to pesticides</i> <i>90 = other, please specify</i>	Do you have to meet specific criteria to fulfill?  <b>Codes:</b> <i>Keywords</i>	
c1	5002	5003	5004	5001 hh-table	5005	5006	5007	5008	5009
c2				<b>Keywords</b>					
c3									
c4									
c5									
c6									
c7									
c8									
c9									
c10									
c11									
c12									
c13									

Cassava  
Banana  
Coffee  
Sorghum  
Pinapple  
Kaupis

Cocoyam  
Citrus  
Sugarcane

Beans  
Vegetables  
Vanilla

Sweet potatoe  
Groundnuts  
Black pepper

Rice  
Coconut  
Cardamon

Maize  
Mango

Section: agricultural output quantities

Please think of the last Masika and Vuli rain season in the last year (march 2009 to february 2010 ).

0	1	2	3	4	5	6	7	8	9	10	11	12	13
ID		How many plants of ... do you have? (ASK ONLY for the PERENNIAL crops)	Yields obtained in the last Masika and Vuli rain season?		Did the yields correspond to a normal harvest?	Own CONSUMPTION quantity FROM OWN PRODUCTION at household?		In WHICH MONTHS do you CONSUME the OWN produced food crops?	Quantity sold?		In WHICH MONTHS did the household SELL ...?	Where did you sell the output?	Way of transportation to the market?
	<i>crop</i>	<i>estimated number</i>	<i>quantity</i>	<i>unit</i>	Codes: 1= lower 2= higher 3= stayed the	<i>quantity</i>	<i>unit</i>	<i>corresponding month</i>	<i>quantity</i>	<i>unit</i>	<i>corresponding month</i>	Codes: 1= in the village 2= outside the village 90 = other, please specify	Codes: 1= on foot 2= bike 3= motorcycle 4= dalla dalla 5= from farm 90 = other, please specify
c1		5011	5012	5013	5014	5015	5016	5017-5028	5029	5030	5031-5042	5043	5044
c2													
c3													
c4													
c5													
c6													
c7													
c8													
c9													
c10													
c11													
c12													
c13													

Land Size 5011b-5011c

Section: agricultur

Please think of the last Masik

Storing

Byproducts

0	1	14	15	16	17	18	19
ID	crop	In WHICH MONTHS did the household need to BUY ...?  corresponding month	Do you store certain food and cash crops  <b>Codes:</b> 0=no 1=yes	Which crops does the household store?  <b>Codes:</b> 0=no 1=yes	Which month do you store...?  <b>Codes:</b>  corresponding month	Which main by-products do you obtain when you harvest ....?  <b>Codes:</b> 1= straw 2= hay 3= husks 4= other crop residuals 5=leaves 90 = other, please specify	Purpose?  <b>Codes:</b> 1= fertilizer for other crops 2= fodder 3= energy for cooking 4= packing material for transport transport purpose
c1		5045-5057		5058	5059-5070	5071	5072
c2							
c3							
c4							
c5							
c6							
c7							
c8							
c9							
c10							
c11							
c12							
c13							

## Section: Processing

Do you use any of your agricultural produce for processing activities? (excl. planting activities)

Table T\_crops

0	1	2	3	4	5	6	7	8	9	10	11
ID	crop	Which crops do you process and how do you process them?	Quantity of the processed output?		Which by-products are produced during those processing activities?	For which purpose do you use these by-products?	Are the processing activities done by family or hired labour?	How much do you pay for processing your harvest?	Do you sell or use the processed goods for own consumption?	Quantity of selling?	
		1= milled 2= dehulled 3= dried 4= brewed 5= pressing 6= squeezing 7= ripening	Codes:	Codes:	Codes:	Codes:	Codes:	Codes:	Codes:	Codes:	quantity
			quantity	unit	1= presscake 2= briquettes 3= other residuals 4= husks 90 = other, please specify	1= fertilizer 2= fodder 3= energy for cooking 90 = other, please specify	1= family labour 2= hired labour 3= both 90 = other, please specify	TZS / Unit	1= own consumption 2= selling 3= both 90 = other, please specify	quantity	unit
c1		5073	5074	5075	5076	5077	5078	5079	5080	5081	5082
c2											
c3											
c4											
c5											
c6											
c7											
c8											
c9											
c10											
c11											
c12											
c13											

## Section: Processin

Table T\_crops

0	1	12	13
ID		If 2= selling or 3=both: Where did you sell the output?  <b>Codes:</b> <i>1= in the village</i> <i>2= outside the                      village</i>  <i>90 = other, please                      specify</i>	Way of transportation to the market?  <b>Codes:</b> <i>1= on foot</i> <i>2= bike</i> <i>3= motorcycle</i> <i>4= dalla dalla</i>  <i>90 = other, please                      specify</i>
	<i>crop</i>		
c1		5083	5084
c2			
c3			
c4			
c5			
c6			
c7			
c8			
c9			
c10			
c11			
c12			
c13			

Processing Comment 5085

## Section: Seeds, seedlings

Table T\_crops

0	1	2	3	4	5	6	7
ID		How many seedlings / seeds / cuttings / succers did you plant from the last Masika to Vuli rain season for ...?		What portion or amount came from your own seedstock?		From where?	If 1=within the village: Please name the seller.
	<i>crop</i>	<i>quantity</i>	<i>unit</i>	<i>quantity</i>	<i>unit</i>	<b>Codes:</b> 1= <i>in the village</i> 2= <i>outside the village</i>	<i>name (surname) of the seller</i>
c1		5086	5087	5088a	5088b	5090	5091
c2							
c3							
c4							
c5							
c6							
c7							
c8							
c9							
c10							
c11							
c12							
c13							

5089a 5085b Seedstock Swaheli



# Fertilizer and pests

Table T\_crops

		Fertilizer		Pests				Water			
--	--	------------	--	-------	--	--	--	-------	--	--	--

0	1	2	3	4	5	6		7	8	9	
ID	Please name all agricultural FOOD and CASH crops you produced in the last Masika and Vuli season?	Did you use any kind of fertilizer in the last Masika and Vuli rain season? F	If ORGANIC OR DUNG please specify from which source?	For which crops do you have problems with pests or wild animals reducing the yield?	Wich pest?	What did you do against that pest?	Costs of chemical pesticides in total for this crop?	In which months does the household face water shortages for rain fed production?	What is the most severe problem in terms of water supply for agriculture?	Do you use irrigation for certain crops?	How much water did you use for irrigating this crop?
	<i>crop</i>	<b>Codes:</b> <i>0=no</i> <i>1= chemical</i> <i>2= organic</i>  <i>90 = other, please specify</i>	<b>Codes:</b> <i>1= cow</i> <i>3= chicken</i> <i>4= goat</i> <i>5= crop residuals</i>  <i>90 = other, please specify</i>	<b>Codes:</b> <i>0=no</i> <i>1=yes</i>		<b>Codes:</b> <i>0=nothing</i> <i>1= chemical</i>	<i>TZS</i>	<i>month</i>	<b>Codes:</b> <i>1= drought</i> <i>2= temporary water shortages</i> <i>3= volatile rain in rainy seasons</i> <i>4= water conflicts / competitiveness</i> <i>5= water logging</i>  <i>90 = other, please specify</i>	<b>Codes:</b> <i>0=no</i> <i>1=yes</i>	<i>liter or other unit</i>
c1		5092	5093	5094	5095	5096	5097	5102 hh table	5103	5098	5099
c2											
c3											
c4											
c5											
c6											
c7											
c8											
c9											
c10											
c11											
c12											
c13											

5100 Water costs  
5101 Water Distance

Section: ENERGY SOURCES USED BY THE HOUSEHOLD! Table T\_energy

0	1	2	3	4	5	6	7	8	9	10	11	12	13	
ID	Energy sources USED by the household	Which type of energy source does your household use?	How much do you need for home consumption per week?		How much do you produce per week on your own farm? Ask only for firewood, charcoal and solar!		How much of ... do you buy per week?		How much of ... do you sell per week?		Where do you sell or buy...?	Where do you charge your mobile phones?	Is the own firewood production sufficient for the households needs?	
	<b>Codes:</b>	<b>Codes:</b> <i>mark the respective energy source</i> 0=no 1=yes	<b>Codes:</b> 1= cooking 2= lighting 3= transport 4= generator / electricity  90 = other, please specify	<i>quantity</i>	<i>unit</i>	<i>quantity</i>	<i>unit</i>	<i>quantity</i>	<i>unit</i>	<i>quantity</i>	<i>unit</i>	<b>Codes:</b> 1= in the village  2= outside the village	<b>Codes:</b> 0= no mobile phone  1= household owned generator 2= household owned solar panel  3 = service provide	<b>Codes:</b> 0=no 1=yes
E1	Firewood	6000	6001	6002	6003	6004	6005	6006	6007	6008	6009	6010	6011 hh Table 6012	6012
E2	Charcoal													
E3	Solar power													
E4	Diesel													
E5	Petrol													
E6	Kerosene													
E7	Crop residuals													
E8	Dung													
E9	other?													
E10	other?													
E11	other?													

6013 Energy Comments

Section: Agroforestry

hh table trees yes no + number of Species

Table T\_agrof

0	1	2	3	4	5	6	7	8	9	10	11	12		
ID	Which species of trees or shrubs do you have on your plots?				IF 1= WITH CROPS: Production system?	IF 1=HEDGE: Does the hedge reduce social conflicts with your neighbours?	Major purposes of plantation?	How many trees did you plant this year?	Where did you get the seedlings / seeds from?	Do you plan to extend or decrease planting trees and shrubs?	Do you plan to cultivate other species?	Did the tree species for firewood change in the last 10 years? If yes: which species did you use 10 years ago?		
	Codes:	Codes:	Codes:	Codes:	Codes:			Codes:	Codes:	Codes:	Codes:	Codes:		
	Species	Number of trees or shrubs	average age	1= together with food or cash crops 7003 2=woodlot 7004 3=traditional forest 7005	1=hedge 2=intercropping with agriculture 90 = other, please specify	0= no conflicts 1= reduced neighbour's livestock of your property 2= fixing of farm boundaries 3= does not reduce conflicts 90 = other, please specify	1= firewood 7008 2 = timber 7009 3 = medicine 7010 4=seedlings 7011 5= supporting tree 7012 6= against soil erosion 7013 7=food 7014 90 = other, please specify 7015	Number of trees or shrubs	1= in the village 2= outside the village	1= extending 2= decreasing 3= no changes 0= no plan	0=no 1=yes	0=no 1=yes		
1	7000	7001	7002		7006	7007		7016	7017	7018- 7021	7022	7023		
2											Species	Species		
3											hh table	hh table		
4														
5														
6														
7														
8														
9														
10														
	Jatropha	Mango	Mifenesi	Mishelisheli	Mitiki	Karafuu	Miparachichi Mkangazi	Migrevilea	Msederela	Minazi			Mikababo	Mdalasi

Table T\_forest

The next part of the questionnaire will deal with forest extraction. Again, all information will be treated absolutely confidentially!

The following questions concern benefits that you obtained from the forest.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15						
ID	Which products have you used from the last Masika to Vuli rain <b>Codes:</b> 0=no 1=yes	Where do you get the following forest products from?				Which forest product you need from the forest most?  <i>rank the most important 3</i>	Did you sell any kind of these forest products?  <b>Codes:</b> <i>Ask for all but not for firewood!</i> 0=no 1=yes	Quantity sold?		Where did you sell the output?  <b>Codes:</b> 1= in the village 2= outside the village 3=both	How many headlots of Firewood do you store?  <b>Codes:</b>	For which months / period does the household store the firewood?		How often you go to the forest?							
		On farm <b>Codes:</b> 0=no 1=yes	market <b>Codes:</b> 0=no 1=yes	Forest reserve <b>Codes:</b> 0=no 1=yes	other individual farm <b>Codes:</b> 0=no 1=yes			quantity	unit		number	starting month	ending month	number of trips	period						
1	Firewood	8000	8001	8002	8003	8004	1.8005					8012/13	8014	8025	8026	8027					
2	timber						2.8006	8008	8009	8010	8011	hh table									
3	Medicine plants						3.8007														
4	Edible fruits																				
5	Thatching grass																				
6	Fodder																				
7	Grazing																				
8	Mushrooms																				
9	Honey																				
10	roots, tubers																				
11	wild vegetables																				
12	bush meat																				

8028 Forest Comment

Table T\_hh

0	1	2	3	4	5	6	7	8	9
ID	Do you participate in the forest protection?	In which activities do you participate?	Do you think it is meaningful to protect the forest completely so no extraction is allowed at all?	Do you think deforestation has changed in the last 5 years?	Did the population of Colabus monkeys...?	Did the population of Kulumbizi bird...?	Did you ever collected Jatropha seeds?	How many kg seeds did you harvest in total at this point to sell?	To which price you would collect and sell Jatropha seeds on a regulary base?
	<b>Codes:</b> 0=no 1=yes		<b>Codes:</b> 0=no 1=yes	<b>Codes:</b> 1= decreased 2= no change 3= increased  90 = other, please specify	<b>Codes:</b> 1= decreased much 2= decreased 3=no change 4= increased 5= increased much 90 = other, please specify	<b>Codes:</b> 1= decreased much 2= decreased 3=no change 4= increased 5= increased much 90 = other, please specify	<b>Codes:</b> 0=no 1=yes	kg	TZS
1	9001	9002	9003	9004	9005	9006	9007	9008	9009

## Section: Livestock keeping

I will now ask questions about your livestock keeping.

Do you possess any kind of livestock such as chicken or goat?

0	1	2	3	4	5	6	7	8	9	10
ID	Which type of livestock do you have?  10002 <i>90 = other, please specify</i>	Number of animals of this type belonging to this household today?  <i>number</i>	Number of animals of this type BOUGHT in the last Masika and Vuli rain season?  <i>number</i>	From where?  <b>Codes:</b> <i>1= in the village</i> <i>2= outside the village</i>	Way of transportation to the market?  <b>Codes:</b> <i>1= on foot</i> <i>2= bike</i> <i>3= motorcycle</i> <i>4= dalla dalla</i>	Number of animals SOLD in the last Masika and Vuli rain season??  <i>number</i>	Where sold?  <b>Codes:</b> <i>1= in the village</i> <i>2= outside the village</i> <i>3= farm gate</i>	Way of transportation to the market?  <b>Codes:</b> <i>1= on foot</i> <i>2= bike</i> <i>3= motorcycle</i> <i>4= dalla dalla</i>	Number of livestock of this type slaughtered for home use in the last Masika and Vuli rain season??  <i>number</i>	Estimated value of this herd of this livestock type if you would sell all animals today?  <i>TZS</i>
1	Chicken	10003	10004	10005	10006	10007	10008	10009	10010	10011
2	Ducks/goose									
3	Guinea fowls									
4	Pigeons									
5	Goat									
6	Bees									
7	Pigs									
8	Cattle									
9	other, please specify									

## Section: Animal products and byproducts

Table T\_animby

0	1	2		3		4		5	6
ID	Which animal output does the household produce?	<u>Production of the household in the last Masika and Vuli rain season?.</u>		<u>Own CONSUMPTION quantity FROM OWN PRODUCTION at household?</u>		Quantity sold?		Where did you sell the output?	Way of transportation to the market?
		Refer to suitable time period (days/weeks/months)						<b>Codes:</b> 1= in the village 2= outside the village  90 = other, please specify	<b>Codes:</b> 1= on foot 2= bike 3= motorcycle 4= dalla dalla  90 = other, please specify
	11001	quantity	unit	quantity	unit	quantity	unit		
1	Milk from goat	11002	11003	11005	11006/7	11008	11009/10	11011	11012
2	Milk from cattle								
3	Eggs								
4	Meat from chicken								
7	Meat from goat								
8	Feather								
9	Meat from cattle								
10	Leather								

Hatching eggs 11013

11004 time period

## Section 8: Extension Service HH extension access 12000 hh-table 12001 RowID

	1	2	3	4	5
	Do you have access to the extension service?	How often do they visit your farm per year?	Content of extension service?  <b>Codes:</b> 1=training on fertilizers 2=energy production 3= water management 4= soil erosion 5= agroforestry 90 = other, please specify	What could be improved?  <b>Codes:</b> 1= more visits 2= better information for energy production 3= better information for livestock 4= better information for agricultural production 90 = other, please specify	Do you get information on possibilities of improved firewood / energy production and consumption?  <b>Codes:</b> 0=no 1= planting new tree species 2=planting more trees 3=substituting by other sources 4= improved stoves for wood and charcoal 90 = other, please specify
12002		number of visits			
UMA DEP	12003	12004	12005	12006	12007
Government					
Others					

## Section: Indicators of wealth number of houses hh-table 13000 13001 RowID

	1	2	3	4	5	6
	Type of roof  <b>Codes:</b> 1= tin roof 2= iron sheet 3= grass	Age of the roof in years?	Wall used in the house  <b>Codes:</b> 1= mud 2= bricks (unburned) 3= bricks (burned) 4=bricks (concrete)	How many rooms the house have?  <b>Codes:</b> number	Age of the house?  age	How did your housing condition change in the last 5 years?  <b>Codes:</b> 0=not at all 1=positive change 2=negative change
13001						
Homestead 1	13003	13004	13005	13006	13007	13008
Homestead 2 if present						



**Section: Assets** Number of assets in total 14000 hh-table

*I will now ask you about the household assets aquisition and disposal (selling or discarding of assets)*

0	1	2	3	4	5	6		7	8	9	
Which of the following assets do the household own?	Existing?  Mark with X	Number of assets owned today  <i>number</i>	Year of aquisition  <i>year</i>	Costs of asset at date of aquisition  <i>TZS</i>	How much money have you spent to repair the asset in the last Masika and Vuli rain season?  <i>TZS</i>	How much money you would obtain if selling it today?  <i>TZS</i>	ASK QUESTION 6 to 8 AFTER ASKING QUESTIONS 1 TO 5 FOR ALL ASSETS	Did the household sell any asset of this type in the last Masika and Vuli rain season??  <b>Codes:</b> <i>0=no</i> <i>1=yes</i>	How much money was obtained from selling this asset?  <i>TZS</i>	Where?  <b>Codes:</b> <i>1= in the village</i> <i>2= outside the village</i>	
Radio / Tape Recorder	14001		14002	14003	14004	14005			14006	14007	14008
Bicycle											
Motorcycle											
mill maschine											
Hand cart											
oven / stove											
Efficient stove											
Water pump											
power generator											
Storage for harvest											
mobile telephone											
television											
Badgagi											
dalla dalla											
Solar panel											

Section: Risks and shocks Number of shocks 15001 hh-table

When considering the last 2 years, has there been any event causing a big problem (shock) affecting the household?

Please think of any problems related to your family, farm, house or job.

0	1	2	2	3	4	5
ID	Type of event that happened TO THE HOUSEHOLD	When did the event occur?	Estimated loss of income in the household due to the event? (only for the year of occurrence)	Estimated loss of assets?	What was your major coping activity to deal with the event?	Does the household still have to reduce household consumption expenditures because of the event?
	<i>Relate to codes underneath</i>	<i>year</i>	<i>TZS</i>	<i>TZS</i>	<b>Codes:</b> <i>0=Did nothing</i> <i>1=Took up additional occupation</i> <i>2=Diversify agricultural portfolio</i> <i>3=Took children out of school</i> <i>4=Sent children to relatives</i> <i>90 = other, please specify</i>	<b>Codes:</b> <i>0=no</i> <i>1=yes</i>
1	15002	15003	15004	15005	15006	15007
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						

*job losses      flood      high input prices      theft      high food prices      low output prices*

*death*

## Section: Health

Does this household has any kind of health insurance?

16000 hh-table

I will now ask about illnesses and injuries household members have suffered since....

16001 Number of ill-members hh-table

0	1	2	3	4	5	6	7
ID	Did any household member suffer from any illness or injury...in the last Masika and Vuli rain season??	For how many weeks was ... unable to pursue his / her main occupation?	How much money was spent in total on this individual for all illnesses and in the last Masika and Vuli rain season??	Who received the payment?  <b>Codes:</b> <i>1= traditional healer</i> <i>2=hospital</i> <i>3=doctor</i> <i>4=Duka la Dawa</i>  <i>90 = other, please specify</i>	If 1= in the village: Please name the person.  <i>name (surname) of the household</i>	Does Jatropa have any positive effects on health?	Does Jatropa have any negative effects on health?
	<i>name</i>	<i>number of weeks</i>	<i>TZS</i>			<i>keywords</i>	<i>keywords</i>
1	16002	time: 16003	16005	16006	16007	16009	16010
2		Unit: 16004					
3							
4							
5							
6							
7							
8							
9							
10							

16008 health Comment

Section: cash and access to credits Table t-credit

borrowing

0	1	2	3	4	5	6	7	8	9	10
ID	Does the household participate in the village financial service (SACCOS)?  <b>Codes:</b> 0=no 1=yes	Does the household has a possibility to get credits / loans?  <b>Codes:</b> 0=no 1=yes	If not, why?  <b>Codes:</b>  <i>keywords</i>	ID		Does the hh have any credits / loans that have not been fully repaid?  <b>Codes:</b> 0=no 1=yes	When did you apply for this credit / loan?  <b>Codes:</b>  <i>year</i>	Purpose?  <b>Codes:</b> 1=farm inputs 2=buy land 3=buy cattle 4= food and clothing 5=non-farm buisness 6=education 90 = other, please specify	In the village?  <b>Codes:</b> 1= in the village 2= outside the village	Amount of loan applied for?  <b>Codes:</b>  <i>TZS</i>
17000	hh_table	17001	17002	1	Saccos	17004	17005	17006	17007	17008
17003	Credit hh Level			2						
				3						

Table t-Shop  
 Lending 18000 Lending on hh-Level

11	12	13	14	15	16	17	18	19	20
Payments you made in the last Masika and Vuli rain season??	Remaining debt as of the end of in the last Masika and Vuli rain season??	What did you have to give as a collateral?	Did you lend out cash or goods (rice, fertilizer etc.) in the last Masika and Vuli rain season?	Value in TZS	Who did you lend to?	In the village?	If 1= in the village: Please name the person.	Payments you got in the reference period?	Remaining debt as of the end of in the last Masika and Vuli rain season?
		<b>Codes:</b> 1= number of trees 2=house 3=livestock 4=land 90 = other, please specify	<b>Codes:</b> 1=food 2=farm inputs 3=money 90 = other, please specify		<b>Codes:</b> 1= relatives 2= households 90 = other, please specify	<b>Codes:</b> 1= in the village 2= outside the village	name (surname) of the household		<b>Codes:</b> 1= not yet 2= the full amount 3= half 4= no debt existing
TZS	TZS			TZS				TZS	
17009	17010	17011	18001	18002	18003	18004	18005	18006	18007

Table t-savings

Section: Savings Savings at hh-Level 19000

We reassure you that all information given is strictly confidential. It will not be given to others and will only serve scientific purposes.

0	1	2	3	4	5	
ID	Savings	Does the household have any kind of these savings?  <b>Codes:</b> 0=no 1=yes	Money saved in last Masika and Vuli rain season?  TZS	How much is the current value of those savings?  TZS	For what do you expect to use savings in the future. Please state three most important expectations?	<del>Does this household have any kind of insurance</del>  <b>Codes:</b> 0=no 1= health 2= wheather  90= other, please specify
	19001					
1	Cash at home		19002	19003	19004	
2	SACCOS					

Section: Water consumption

0	1	2	3	4
	How much water for household consumption do you have per day?  quantity		How often do you go for water fetching?  number	
		unit	<b>Codes:</b> 1= per day 2= per week	unit
1	20000	20001	20002	20003

Type of water 20004

Water fee 20005

## Section: Household cash expenditures

Please indicate how much cash in general you spend on the following items in the indicated period?

0	1	2	3	4
ID	Item	Period	Total amount in TZS	Where did you buy this?
	Codes:	Codes:	Codes:	Codes:
		1= <i>per week</i> 2= <i>per months</i> 3= <i>per year</i>	TZS / unit	1= <i>in the village</i>  2= <i>outside the village</i>
1	Clothing / Footwear 21001	b	a	c
2	Family events / social occasions (funerals, weddings etc.) 21002	b	a	c
3	In kinds / payments for church / mosque 21003	b	a	c
4	care products 21004	b	a	c
5	Gifts / payments for friends 21005	b	a	c
6	market fees / levies / taxes 21006	b	a	c
7	transport in bus, dalla dalla, pikipiki... 21007	b	a	c
8	How much time does it take you to reach the local market in Tandai on foot?	21008		
9	How much time does it take you to reach the forest?	21009		

## Section: Time preferences

**Try to clarify this hypothetical question. The question is, which amount of money the household prefer now instead of waiting one year!**

If you were told you have the choice between an amount of money today and the amount of 100.000 TZS in one year from now, which amount of money would you prefer to get now instead of 100.000 TZS in one year?

1	Do you prefer 90.000 now or 100.000 in one year?	22001	if yes, go next question, if no: stop
2	Do you prefer 80.000 now or 100.000 in one year?		if yes, go next question, if no: stop
3	Do you prefer 70.000 now or 100.000 in one year?		if yes, go next question, if no: stop
4	Do you prefer 60.000 now or 100.000 in one year?		if yes, go next question, if no: stop
5	Do you prefer 50.000 now or 100.000 in one year?		if yes, go next question, if no: stop
6	Do you prefer 40.000 now or 100.000 in one year?		if yes, go next question, if no: stop
7	Do you prefer 30.000 now or 100.000 in one year?		if yes, go next question, if no: stop
8	Do you prefer 20.000 now or 100.000 in one year?		if yes, go next question, if no: stop
9	Do you prefer 10.000 now or 100.000 in one year?		if yes, go next question, if no: stop
10	Do you prefer 5.000 now or 100.000 in one year?		if yes, go next question, if no: stop

22002 Comment on Preferences