

Strictly Confidential



REPUBLIC OF ZAMBIA
Central Statistical Office
2012 Rural Agricultural Livelihoods Survey (RALS12)

Informed Consent Form for Food Security Cooperative Agreement Surveys in Africa

This survey is part of a team effort at the Central Statistical Office aimed at studying options to improve crop production and marketing, and food consumption among smallholder farmers. Your help in answering these questions is very much appreciated. Your responses will be kept COMPLETELY CONFIDENTIAL to the maximum extent allowable by law. If you choose to participate, you may refuse to answer certain questions, or you may stop participating at any time. Your responses will be summed together with those of roughly 8,500 other households in Zambia and general averages from analysis will be reported. You indicate your voluntary consent by participating in this interview: may we begin? If you have questions about this survey, you may contact the Director, CSO headquarters in Lusaka. If you have any questions for Michigan State University about this survey, you may contact Dr. Judy McMillan at +1 517 355 2180.

1	Cluster Number	CLUSTER				
2.	Province	PROV				
3.	District	DIST				
4.	Constituency	CONST				
5.	Ward	WARD				
6.	Region	REGION	<i>1 = Rural 2 = Urban</i>			
7.	CSA Number	CSA				
8.	SEA Number	SEA				
9.	Village/Locality Name	VIL				
10.	Household Serial Number	HH				
11.	Category	CATEGORY	<i>1 =A 2 =B 3 =C</i>			
12.	GPS Coordinates	South S_DD	Decimal degrees	<input type="text"/>	<input type="text"/>	<input type="text"/>
		East E_DD	Decimal degrees	0 <input type="text"/>	<input type="text"/>	<input type="text"/>
13.	Name of Household Head	NAME12				
14a.	Name of Main Respondent (if different from head) <i>(Enum: respondent must be a household member)</i>	RESP12				
14b.	<i>(Enumerator: after the demography table is complete, record the member number of the respondent.)</i>			RESPMEM		
15.	Cell phone number of the main respondent <i>(Enumerator: record the best phone number at which to reach the main respondent)</i>	CELLPHONE				
16.	RESPONSE STATUS <i>1=Complete 2=Refusal 3= Non-contact 4=HH moved out of SEA 5=HH dissolved</i>					RSTATUS
17.	ASSIGNMENT RECORD					Day
	a. Name of Enumerator	ENCODE	Date completed	Mon	Year	2012
	b. Name of Supervisor	SPCODE	Date checked			2012
	c. Name of DEO	DECODE	Date entered			2012

SECTION 1: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS

1.1 Tell us about each adult member of the household born in or before 2000 (12 years and above) who lived in this household between May 2011 and April 2012. *If this household is part of a polygamous family, ask only about the household members at this particular household.*

Table 1.1 Demographic Characteristics of Adult Members *Key variables: CLUSTER, HH, MEM Reference Period: Beginning of May 2011 to end of April 2012*

ID	Name <i>(Enumerator: list the head first and then all adult members born in or before 2000 who lived in this household since the beginning of May 2011 to end of April 2012)</i>	In which year was born? <i>Note: it should be in or before 2000</i>	What is the sex of ? <i>1=male 2=female</i>	What is the relationship of to the current head? <i>(see code below)</i>	What is the marital status of? <i>(see code below)</i>	Is attending formal school? <i>1 = Yes 2 = No</i>	What is the highest level of formal education completed? <i>(see codes below)</i>	Between May 2011 and April 2012, in how many months was away from the household? <i>(Must be 12 or less) Enter "0" if never away If DA07 = 12 months → go to next HH member</i>	Between May 2011 and April 2012, was chronically ill/disabled and unable to perform household duties for at least three (3) months? <i>1= Yes 2= No → go to next mem</i>	<i>(Ask if DA08=yes)</i> When did first become ill/disabled? <i>(see codes below)</i>
MEM	NAME	DA01	DA02	DA03	DA04	DA05	DA06	DA07	DA08	DA09
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

Relationship to head (DA03)
1= head
2= spouse
3= child (own/step)
4= parent / parent-in-law
5= brother / sister
6= other relatives
7= unrelated

Marital Status (DA04)
1 = never married
2 = monogamously married
3 = polygamously married
4 = divorced
5 = widowed
6 = separated
7 = cohabit

Education levels (DA06)		
00=None	06=Standard 5; Grade 6	13= Form 6 Lower
01=Sub-standard A; Grade 1	07=Standard 6; Grade 7	14= Form 6 Upper
01=Sub-standard B; Grade 1	08=Form 1; Grade 8	15= College Student
02=Standard 1; Grade 2	09=Form 2; Grade 9	16=Undergraduate student
03=Standard 2; Grade 3	10=Form 3; Grade 10	17=Certificate/Diploma
04=Standard 3; Grade 4	11= Form 4; Grade 11	18= Bachelors Degree
05=Standard 4; Grade 5	12= Form 5; Grade12	19= Masters degree & above

When became ill/disabled (DA09)
1=Before October 2010
2=October-December 2010
3=January-March 2011
4=April-June 2011
5=July-September 2011
6=October-December 2011
7=January-February 2012

TABLE 1.1 (Continued)

1.1 Tell us about each adult member of the household born in or before 2000 (12 years and above) who lived in this household between May 2011 and April 2012. If this household is part of a polygamous family, ask only about the household members at this particular household.

Table 1.1 Demographic Characteristics of Adult Members Key variables: CLUSTER, HH, MEM Reference Period: Beginning of May 2011 to end of April 2012

ID	Name <i>(Enumerator: list all adult members born in or before 2000 who lived in this household since the beginning of May 2011 to end of April 2012)</i>	In which year was born? <i>Note: it should be in or before 2000</i>	What is the sex of ? <i>1=male 2=female</i>	What is the relationship of to the current head? <i>(see code below)</i>	What is the marital status of? <i>(see code below)</i>	Is attending formal school? <i>1 = Yes 2 = No</i>	What is the highest level of formal education completed? <i>(see codes below)</i>	Between May 2011 and April 2012, in how many months was away from the household? <i>(Must be 12 or less)</i> <i>Enter "0" if never away</i> <i>If DA07 = 12 months → go to next HH member</i>	Between May 2011 and April 2012, was chronically ill/disabled and unable to perform household duties for at least three (3) months? <i>1= Yes 2= No → go to next mem</i>	<i>(Ask if DA08=yes)</i> When did first become ill/disabled? <i>(see codes below)</i>
MEM	NAME	DA01	DA02	DA03	DA04	DA05	DA06	DA07	DA08	DA09
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										

Relationship to head (DA03)
1= head
2= spouse
3= child (own/step)
4= parent / parent-in-law
5= brother / sister
6= other relatives
7= unrelated

Marital Status (DA04)
1 = never married
2 = monogamously married
3 = polygamously married
4 = divorced
5 = widowed
6 = separated
7 = cohabit

Education levels (DA06)		
00=None	06=Standard 5; Grade 6	13= Form 6 Lower
01=Sub-standard A; Grade 1	07=Standard 6; Grade 7	14= Form 6 Upper
01=Sub-standard B; Grade 1	08=Form 1; Grade 8	15= College Student
02=Standard 1; Grade 2	09=Form 2; Grade 9	16=Undergraduate student
03=Standard 2; Grade 3	10=Form 3; Grade 10	17=Certificate/Diploma
04=Standard 3; Grade 4	11= Form 4; Grade 11	18= Bachelor's Degree
05=Standard 4; Grade 5	12= Form 5; Grade12	19= Master's degree & above

When became ill/disabled (DA09)
1=Before October 2010
2=October-December 2010
3=January-March 2011
4=April-June 2011
5=July-September 2011
6=October-December 2011
7=January-February 2012

1.1.1	Enumerator: <i>Is the head of this household polygamously married?</i>	<i>1=Yes 2=No → go to Q1.1.2</i>	HH01a	
1.1.1.1	<i>(If [1.1.1] = yes, ask)</i> How many wives in total are there in the polygamous marriage ?	<i>Number</i>	HH01b	
1.1.1.2	How many of these wives live at this homestead ?	<i>Number</i>	HH01c	

1.1.2 We would like to ask who the main and secondary decision-makers are in the household.

1.1.2a Between May 2011 and April 2012, who was the **main person** responsible for **day-to-day decision-making** in the **household**?
Enumerator: *record household MEM number and name*

HH02a	HH02b
MEM:	Name:

1.1.2b When the **person** named in the previous question [1.1.2a] **was away or not available**, who was the **main person** responsible for **day-to-day decision-making** in the **household** between May 2011 and April 2012?
Enumerator: *record household MEM number and name. Enter -9 if this household has only one adult member.*

HH03a	HH03b
MEM:	Name:

1.2 Tell us about each child born AFTER 2000 (11 years and below) who lived in this household between May 2011 and April 2012. *If this household is part of a polygamous family, ask only about the household members at this particular household.*

Table 1.2 Demographic Characteristics of Child Members *Key variables: CLUSTER, HH, MEM1* **Reference Period: Beginning of May 2011 to end of April 2012**

ID	Name <i>(Enumerator: list all children born after 2000 who lived in this household from beginning May 2011 to end of April 2012. Start with the oldest child.)</i>	In which year was born? <i>Note: it should be after 2000</i>	What is the sex of? <i>1= male 2= female</i>	What is the relationship of to the current head? <i>(see codes below)</i>	Is attending formal school? <i>1 = Yes 2 = No</i>	What is the highest level of formal education completed? <i>(see codes below)</i>	Between May 2011 and April 2012, in how many months was away from the household? <i>(Must be 12 or less) Enter "0" if never away</i>	Is the biological mother of alive? <i>1= Yes 2= No 3= Do not know</i>	Is the biological father of alive? <i>1= Yes 2= No 3= Do not know</i>
MEM1	NAME1	DC01	DC02	DC03	DC04	DC05	DC06	DC07	DC08
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									
64									
65									

Relationship to head (DC03)

1= head
2= spouse
3= child (own/step)
4= parent /parent-in-law
5= brother/sister
6= other relative
7= unrelated

Formal School education levels (DC05)

00=None
01=Sub-standard A; Grade 1
01=Sub-standard B; Grade 1
02=Standard 1; Grade 2
03=Standard 2; Grade 3
04=Standard 3; Grade 4
05=Standard 4; Grade 5
06=Standard 5; Grade 6
07=Standard 6; Grade 7
08=Form 1; Grade 8

SECTION 2: FARM LAND AND USE

2.1 Enumerator: Tell the respondent that we would like to know about household farmland and use during the 2010/2011 agricultural season. First ask all questions regarding land-use in Table 2.1 and then sketch ALL fields or plots that were cultivated (including rented in/borrowed in), rented-out or borrowed-out and land cultivated/managed on behalf of an absentee owner, by the household during the 2010/2011 agricultural season. Include land cultivated, gardens, fallow land, orchards, virgin land, and all other land owned, borrowed, and rented. After sketching, sequentially number the fields following the instructions in the enumerator manual. For cropped fields, pure stand cassava fields are numbered last. Label (in words) on the sketch the land use of each field (land use categories on left).

Table 2.1 All fields

Key Variables: CLUSTER, HH, FIELDTP

Types of fields		During the 2010/ 2011 agricultural season did the household have any? <i>1=Yes</i> <i>2=No → go to next field type</i>	How many did the hh have?
	fieldtp	usefield	numfld
Cultivated/Cropped fields			
Own cropped fields	1		
Rented in cropped fields (cash/in-kind payments)	2		
Borrowed in cropped fields (without payment)	3		
Other fields			
Gardens	4		
Fallow fields (natural or improved)	5		
Rented out fields (received or will receive cash/in-kind payment)	6		
Borrowed out fields (without payment)	7		
Orchards	8		
Virgin land (never cultivated)	9		
Other (specify) _____	10		
Land cultivated / managed on behalf of an absentee owner			
Fields cultivated on behalf of an absentee owner (household farms the fields but cannot keep/sell most of the produce)	11		
Other land managed on behalf of an absentee owner	12		

Reference Period: 2010/2011 agricultural season (1st October 2010 – 30th September 2011)SKETCH ALL THE FIELDS and list crops within each cultivated field. (Follow instructions in manual.)

2.2 According to the sketch you indicated that your hh had _____ **fields** in the 2010/2011 agricultural season. Please tell us about each of those fields including fields cultivated or managed on behalf of absentee owners. **Enumerator:** check the sketch and record the number of fields.

HH04

Number of fields

Enumerator: Ask the respondent to give you the details about all of those fields.

NOTE: example: 1=1 field, 2=2 fields, 3=3 fields, etc. **If HH04=0 → go to SECTION 2.9**

Table 2.2.1 Fields

Key Variables: CLUSTER, HH, FIELD

Reference Period: 2010/2011 agricultural season

Field ID	Enumerator: What is the land-use of this field? <i>Transfer land use from the field sketch.</i>		Enumerator: What is the area of this field ? <i>Transfer the area from the sketch.</i>		Who primarily decided how to use this field? (see codes below)	What is the tenure status of this field? 1= <i>state land titled</i> 2= <i>former customary land titled</i> 3= <i>customary no title</i> 4= <i>I don't know (for F01=11 or 12 only)</i> 5= <i>other (specify) _____</i> (If F01 = 11 or 12 → go to next field)	Ask F06 through F15 for F01 < 11 only. Do not ask for absentee owner fields (F01=11 and F01=12).								
	1= <i>own cultivated field</i> 2= rented in 3= borrowed in 4= <i>garden</i> 5= <i>fallow (natural/improved)</i> 6= <i>rented out</i> 7= <i>borrowed out</i>	8= <i>orchard</i> 9= <i>virgin land</i> 10= <i>other (specify)</i> 11= <i>absentee cultivate.</i> 12= <i>absentee manage</i>	Area of field	Unit 1= <i>lima</i> 2= <i>acre</i> 3= <i>hectare</i> 4= <i>square metre</i>			How did this household acquire this field ? 1= <i>purchased</i> 2= <i>inherited</i> 3= <i>allocated /given</i> 4= <i>rented / borrowed</i> 5= <i>just walked in</i> 6= <i>other (specify) _____</i>	From whom did this household obtain this field? (see codes below) (If F01=9- <i>virgin land</i> → go to F15)	Was this field in a wetland/dambo area? 1= <i>Yes</i> 2= <i>No</i>	Did the HH irrigate this field? 1= <i>Yes</i> 2= <i>No</i>	Is this field prone to soil erosion and/or flash flooding ? 1= <i>Yes</i> 2= <i>No</i>	What, if anything, did the hh do to prevent soil erosion and/or flash flooding in this field? (see codes below)	What main type of tree did the hh use to protect or improve the harvest? (see codes below)	What main crop or use did the hh put this field to in <i>the 2009/10 agricultural season (2 seasons ago)</i> ? (see crop/use codes below)	How was the crop/field residue from this field from <i>the 2009/10 agricultural season (2 seasons ago)</i> mainly used or disposed of? (see codes below)
FIELD	F01	F02	F03	F04	F05	F06	F07	F08	F09	F10	F11	F12	F13	F14	F15
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

Primary Decision (F04)	Field acquired from (F07)		Soil Man. codes (F11)	Crop code or Use Codes (F13, F15)			Crop residue use (F14)
1=Male head of hh 2=Female spouse of male head 3=Female head of hh 4=Male spouse of female head 5=Both head and spouse 6=Other male hh member 7=Other female hh member 8=Non-hh male relative 9=Non-hh female relative 10=Non-hh male non-relative 11=Non-hh female non-relative	1=the current headman 2=previous headman 3=the current chief 4=previous chief 5=local govt. authorities 6=spouse 7=husband's/man's parents 8=wife's/woman's parents 9=husband's/man's other relatives 10=wife's/woman's other relatives 11=private people	12=self-given 13=central govt -Ministry of Lands, OVP 14=chairman / chairwoman 15=private company 16=other (specify) _____	0=None 1=Stone bunds 2=Earthen bunds 3=Terraces 4=Drainage ditches 5=Grass barriers 6=Contour farming/plowing 7=Other	1 = Maize 2 = Sorghum 3 = Rice 4 = Millet 5 = Sunflower 6 = Groundnuts 7 = Soya beans 8 = Seed cotton 9 = Irish potato 10 = Virginia tobacco 11 = Burley tobacco	12=Mixed beans 13=Bambara nuts 14=Cowpeas 15=Velvet beans 16=Coffee 17=Sweet potato-white or yellow-fleshed 57=Sweet potato-orange fleshed 18=Cassava 19=Kenaf	20=Cashew nut 22=Paprika 60=Popcorn 61=Sugarcane 21=Other crop (specify) _____ 23=Garden 24=Natural fallow 25=Improved fallow 26=Rented/borrowed out 27=Orchard 28=Virgin 50=New field	1=Left in field then plowed/ incorporated into field 2=Burned on field 3=Cut & removed from field & fed to animals 4=Cut & removed from field for other HH uses 5=Grazed by animals

Table 2.2.1 Fields (continued)

Key Variables: CLUSTER, HH, FIELD

Reference Period: 2010/2011 agricultural season

Field ID	<i>Enumerator: What is the land-use of this field? Transfer land use from the field sketch.</i>	<i>Enumerator: What is the area of this field? Transfer from the sketch.</i>		Who primarily decided how to use this field? (see codes below)	What is the tenure status of this field? 1=state land titled 2=former customary land titled 3=customary no title 4=I don't know (for F01=11 or 12 only) 5=other (specify) _____ (If F01 = 11 or 12 → go to next field)	Ask F06 through F15 for F01 < 11 only. Do not ask for absentee owner fields (F01=11 and F01=12).									
	1=own cultivated field 2=rented in 3=borrowed in 4=garden 5=fallow (natural/improved) 6=rented out 7=borrowed out	8=orchard 9=virgin land 10=other (specify) 11=absentee cultivate. 12=absentee manage	Unit 1=lima 2=acre 3=hectare 4=square metre			How did this household acquire this field? 1=purchased 2=inherited 3=allocated / given 4=rented / borrowed 5=just walked in 6=other (specify) _____	From whom did this household obtain this field? (see codes below) (If F01=9-virgin land → go to F15)	Was this field in a wetland/dambo area? 1=Yes 2=No	Did the HH irrigate this field? 1=Yes 2=No	Is this field prone to soil erosion and/or flash flooding? 1=Yes 2=No	What, if anything, did the hh do to prevent soil erosion and/or flash flooding in this field? (see codes below)	What main type of tree did the hh use to protect or improve the harvest? (see codes below)	What main crop or use did the hh put this field to in the 2009/10 agricultural season (2 seasons ago)? (see crop/use codes below)	How was the crop/field residue from this field from the 2009/10 agricultural season (2 seasons ago) mainly used or disposed of? (see codes below)	What main crop or use did the hh put this field to this agricultural season (2011/12)? (see crop/use codes below)
FIELD	F01	F02	F03	F04	F05	F06	F07	F08	F09	F10	F11	F12	F13	F14	F15
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

Primary Decision (F04)	Field acquired from (F07)		Soil Man. codes (F11)	Crop code or Use Codes (F13, F15)			Crop residue use (F14)
1=Male head of hh 2=Female spouse of male head 3=Female head of hh 4=Male spouse of female head 5=Both head and spouse 6=Other male hh member 7=Other female hh member 8=Non-hh male relative 9=Non-hh female relative 10=Non-hh male non-relative 11=Non-hh female non-relative	1=the current headman 2=previous headman 3=the current chief 4=previous chief 5=local govt. authorities 6=spouse 7=husband's/man's parents 8=wife's/woman's parents 9=husband's/man's other relatives 10=wife's/woman's other relatives 11=private people	12=self-given 13=central govt -Ministry of Lands, OVP 14=chairman / chairwoman 15=private company 16=other (specify) Tree Type (F12) 0=None planted 1=Faidherbia albida (musangu) 2=Gliricidia sepium 3=Sesbania sesban 4=Tephrosia vogelii (ububa) 5=Other (specify) _____	0=None 1=Stone bunds 2=Earthen bunds 3=Terraces 4=Drainage ditches 5=Grass barriers 6=Contour farming/plowing 7=Other	1 = Maize 2 = Sorghum 3 = Rice 4 = Millet 5 = Sunflower 6 = Groundnuts 7 = Soya beans 8 = Seed cotton 9 = Irish potato 10 = Virginia tobacco 11 = Burley tobacco	12=Mixed beans 13=Bambara nuts 14=Cowpeas 15=Velvet beans 16=Coffee 17=Sweet potato-white or yellow-fleshed 57=Sweet potato-orange fleshed 18=Cassava 19=Kenaf	20=Cashew nut 22=Paprika 60=Popcorn 61=Sugarcane 21=Other crop (specify) 23=Garden 24=Natural fallow 25=Improved fallow 26=Rented/borrowed out 27=Orchard 28=Virgin 50=New field	1=Left in field then plowed/ incorporated into field 2=Burned on field 3=Cut & removed from field & fed to animals 4=Cut & removed from field for other HH uses 5=Grazed by animals

2.3 Land Use

Enumerator: Please list below only cultivated fields from the sketch. These are use codes F01 = 1 or 2 or 3 (cultivated) in Table 2.2.1. Remember to include cassava fields.

Table 2.3.1 Farm Land and Use

Key Variables: CLUSTER, HH, FIELD1

Reference period: 2010/2011 Agricultural Season

All of these questions refer to the 2010/2011 agricultural season																
Field ID (enter appropriate field number from Tbl 2.2.1 F01 = 1, 2, or 3)	What main crop or use did the hh put this field to in 2010/11? (see codes below)	Enum: Transfer from sketch if the field is monocrop or mixture 1=Monocrop 2=Mixture	Enum: Check the sketch – are there vegetables and/or fruits scattered here and there in this field? 1=Yes 2=No	What was the main tillage method used? (Enumerator: For cassava ask for method when first planted.) (see codes below)	What was the main type and source of power used for this tillage? (see codes below)	When was most of the tillage done? 1=Before the rains 2=During the rainy season	How many weeks after planting did the hh finish the 1 st weeding? Enter “0” if less than 1 week Enter “-9” if did not weed → go to FL09	How many complete weedings did the hh do in this field?	How many times was the field sprayed with herbicide? (Complete sprays) (Enter “0” if field not sprayed)	How many times was the field sprayed with insecticide? (Complete sprays) (Enter “0” if field not sprayed)	How many kgs of lime did the hh apply? (Enter “0” if they did not apply) (kgs)	Did the hh apply animal manure and/or compost to this field? 1=Yes 2=No	What type and quantity of basal dressing fertiliser did the hh apply?		What type and quantity of top dressing fertiliser did the hh apply?	
													Type (see codes below) If “0” → go to FL15	Amount (kgs)	Type (see codes below) If “0” → go to next field	Amount (kgs)
FIELD1	FL01	FL02	FL03	FL04	FL05	FL06	FL07	FL08	FL09	FL10	FL11	FL12	FL13	FL14	FL15	FL16

Crop code (FL01)			Main Tillage (FL04)		Type & source of power for tillage (FL05)		Fertiliser codes (FL13, FL15)	
1 = Maize	11 = Burley tobacco	20 = Cashew nut	1 = Conventional hand hoeing	2 = Planting basins (potholes)	1=Manual household labour	2=Manual hired labour	0 = None	9 =Wonder (foliar)
2 = Sorghum	12 = Mixed beans	22 = Paprika	2 = Planting basins (potholes)	3 = Zero tillage	3=Own animals with HH labour	4=Own animals with hired labour	1 = Compound D	10=Vegetative (foliar)
3 = Rice	13 = Bambara nuts	60 = Popcorn	3 = Zero tillage	4 = Ploughing	5=Hired/borrowed animals with HH labour	6=Hired/borrowed animals with hired labour	2 = Compound X	11=Urea
4 = Millet	14 = Cowpeas	61 = Sugarcane	4 = Ploughing	5 = Ripping	7=Own mechanical with HH labour	8=Own mechanical with hired labour	3 = Compound S	12=Ammonium Nitrate
5 = Sunflower	15 = Velvet beans		5 = Ripping	6 = Ridging (before planting)	9=Hired/borrowed mechanical with HH labour	10=Hired/borrowed mechanical with hired labour	4 = Triple Super Phosphate (TSP)	13=CAN
6 = Groundnuts	16 = Coffee		6 = Ridging (before planting)	7 = Bunding			5 = Single Super Phosphate (SSP)	14=Allwin top
7 = Soya beans	17 = Sweet potato – white or yellow-fleshed		7 = Bunding	8 = Mounding			6 = Compound R	15=Flower&Plant (foliar)
8 = Seed cotton	57 = Sweet potato – orange-fleshed		8 = Mounding				7 = Compound WV	16=Compound B
9 = Irish potato	18 = Cassava						8 = Di-grow (foliar)	17=Do not know
10 = Virginia tobacco	19 = Kenaf	21 = Other crop (specify)						

Seed variety codes (CM07A)

Maize 68 = Local maize 69 = Hybrid maize - non specific 70 = Recycled hybrid maize 71 = OPV maize ZAMSEED 1 = Pool 16 (OP) 19 = GV 61 Yellow 6 = GV 408 3 = GV 412 5 = GV 470 12 = GV 512 13 = GV 607 14 = GV 702 15 = GV 703 18 = GV 704 16 = GV 722 4 = MM 441 7 = MM 501 8 = MM 502 9 = MM 601 10 = MM 603 11 = MM 604 177=MM 606 17 = MM 752 2 = MMV 400 (OP) 178= MMV 600 (OP) 141 = ZMS 402 179= ZMS 510 180= ZMS 528 181= ZMS 602 142 = ZMS 606 143 = ZMS 607 182= ZMS 616 144 = ZMS 737 145 = ZMV 600 224 = ZMS 638 ZARI-MAL 146 = ZM 421 147 = ZM 521 (OP) 148 = ZM 621 AFGRI Cooperation 183= AFRIC 1 (OP) 184 = AFG 4611 185 = AFG 4663 KAMANO 235=KAM 601 236=KAM 602 237=KAM 701 240=Obantapa	Maize (cont'd) PANNAR 186=PAN 4M – 17 187=PAN 4M – 19 188=PAN 6M – 55 225=PAN 7M – 89 152=PAN 7M – 97 189=PAN 8M – 91 190=PAN 8M - 95 31 = PAN 14 (Y) 191=PAN 53 192=PAN 57 29 = PAN 61 24 = PAN 64 22 = PAN 67 - African Queen 153 = PAN 69 149 = PAN 77 26 = PAN 87 193=PAN 413 150 = PAN 5503 151 = PAN 6017 23 = PAN 6243 - in a class of its own 20 = PAN 6363 - Chipolopolo 25 = PAN 6479 21 = PAN 6549 - Mr. Reliable 27 = PAN 6573 28 = PAN 6777 30 = PAN 6823 154=PAN 6966 (Y) MRI 194=MRI EP (OP) 195=MRI MP (OP) 196=MRI 404 67 = MRI 455 66 = MRI 514 157=MRI 534 65 = MRI 594 241=MRI 604 63 = MRI 611 64 = MRI 614 62 = MRI 624 61 = MRI 634 158=MRI 644 60 = MRI 651 (Y) 159 = MRI 694 197= MRI 704 161 = MRI 711 (Y) 160 = MRI 714 57 = MRI 724 59 = MRI 734 58 = MRI 744	Maize (cont'd) SEED-CO 56 = SC 206 (Y) 47 = SC 401 48 = SC 403 49 = SC 405 50 = SC 407 198=SC 411 42 = SC 501 55 = SC 506 (Y) 44 = SC 513 43 = SC 515 45 = SC 517 46 = SC 521 199=SC 525 40 = SC 601 53 = SC 602 (Y) 54 = SC 604 (Y) 41 = SC 621 39 = SC 625 38 = SC 627 155=SC 633 200=SC 637 36 = SC 701 51 = SC 704 (Y) 52 = SC 706 (Y) 37 = SC 707 32 = SC 709 35 = SC 711 33 = SC 713 34 = SC 715 201=SC 719 Progene Seeds 202=PGS 53 Monsanto 203=DK 8031 204=DK 8051 205=DK 8071 206=DKC 8033 207=DKC 8053 208=DKC 8073 Pioneer 226=P2859W 227=PHB30B50 (Y) 228=PHB30D79 229=PHB30G19 230=PHB3253	Sorghum 81 = Local sorghum 82 = Hybrid sorghum 83 = Recycle hybrid sorghum 84 = OPV sorghum ZAMSEED 75 = KUYUMA 76 = SIMA 77 = ZSV 15 78 = WP 13 162 = MMSH 375 163 = MMSH 413 SEED-CO 79 = MACIA (OP - white) 80 = NS5511 (Hybrid - brown) Sunflower 90 = Local sunflower 91 = Hybrid sunflower 92 = Recycled hybrid sunflower 93 = OPV sunflower ZAMSEED 85 = MILIKA 86 = RECORD 231= SAONA PANNAR 87 = PAN 7369 88 = PAN 7353 89 = PAN 7351	Soyabeans 109 = Local soyabeans 110 = Hybrid soyabeans 111 = Recycled hybrid soyabeans 112 = OPV soyabeans ZAMSEED 165 = HERNON-147 103 = KELEYA 233 = Lukanga 104 = MAGOYE MRI 166 = DINA 167 = MILA SEED-CO 105 = STORM 106 = SOLITAIRE 107 = SOPRANO 108 = SAFARI Cowpeas 115 = Local cowpeas 116 = Hybrid cowpeas 117 = Recycled hybrid cowpeas 118 = OPV cowpeas ZAMSEED 113 = LUTEMBWE 114 = BUBEBE	Cotton 130= F135 131= Chureza 132= Ngwezi 133= CDT 2 Sweet potato - <u>white or yellow-fleshed</u> 300= Chingovwa/Lusaka/Simama/Solwezi/Kakokola (yellow) 301 = Mulungushi (yellowish) 302 = Lukulu (white) 303 = Mwandeaba (white) 304 = Lunga (white) 305 = Other white-fleshed variety 306 = Other yellow-fleshed variety Sweet potato - <u>orange-fleshed</u> 307 = Kalungwishi (light orange) 308 = Zambezi (orange) 309 = Lukusashi (light orange) 310 = Other orange-fleshed variety Other crops not listed 134= Local 135= Improved SEED COMPANIES 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY 140 = Do not know
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2.4. Crop Management – Planting And Harvesting (all cropped fields in **MONOCROP**, excluding cassava. Also **EXCLUDE** gardens, fallow fields, and virgin land.)

Enumerator: Transfer field numbers from the Table 2.3.1 (p. 9) for mono-cropped fields, FL02=1 (fields have only one crop). Also, transfer crop and area from the sketch (page 6) into CROPA, CM01A CM02A). Ask the following questions for all the fields the household MONOCROPPED in 2010/2011 agricultural season. Calculate the quantity harvested in kgs for seed cotton, Virginia tobacco, Burley tobacco, paprika and coffee. Make "Comments" regarding actual information for these crops that the respondent gives for quantity and unit harvested so the information can be verified.

Table 2.4 Crop Management - Planting And Harvest Monocrop *Key Variables: CLUSTER, HH, FIELDA, CROPA* *Reference Period: The 2010/2011 Agricultural Season*

[illegible]

Crop code (CROPA)			Reason for not harvesting total planted area (CM06A)		Decision (CM08A)	Unit Code (CM10A, CM15A)		Month (CM11A)
1 = Maize	12 = Mixed beans	21 = Other crop	1 = water logging	12= received bad advice	1=Male head of hh	1=90 kg bag	11=5lt5 gallon	1=January
2 = Sorghum	13 = Bambara nuts	(specify) _____	2 = wilting due to drought	13= not enough labour	2=Female spouse of male head	2=50kg bag	12=MEDA	2=February
3 = Rice	14 = Cowpeas		3 = animal/bird destruction	14= failed germination due to drought	3=Female head of hh	3=25kg bag	13=bunches	3=March
4 = Millet	15 = Velvet beans		4 = field not weeded, weeded late	15= failed germination due to bad seed	4=Male spouse of female head	4=10kg bag	14=MUCHUMBU	4=April
5 = Sunflower	16 = Coffee		5 = pests and diseases	16= low productivity after germination	5=Both head and spouse	5=20lt tin	15=ka B.P.	5=May
6 = Groundnuts	17 = Sweet potato – white or yellow-fleshed		6 = fire	due to bad seed	6=Other male hh member	6=90kg bag unshelled	16=crates	6=June
7 = Soybeans	17 = Sweet potato – orange-fleshed		7 = theft	17= planted late	7=Other female hh member	7=50kg bag unshelled	17=t tonnes	7=July
8 = Seed cotton	19 = Kenaf		8 = floods, heavy rain	18= eaten fresh	8=Non-hh male relative	8=25kg bag unshelled	18=boxes	8=August
9 = Irish potato	20 = Cashew nut		9 = soils generally bad	19 = witch weed / striga	9=Non-hh female relative	9=10 kg bag unshelled	19=number/cuttings/ seedlings	9=September
10 = Virginia tobacco	22 = Paprika		10=lack of fertiliser	20 = don't know	10=Non-hh male non-relative	10=20lt tin unshelled		10=October
11 = Burley tobacco	60 = Popcorn 61 = Sugarcane		11= lack management experience	21= other specify _____	11=Non-hh female non-relative		20=kilogram	11=November 12=December

Seed variety codes (CM07B)

Maize 68 = Local maize 69 = Hybrid maize - non specific 70 = Recycled hybrid maize 71 = OPV maize ZAMSEED 1 = Pool 16 (OP) 19 = GV 61 Yellow 6 = GV 408 3 = GV 412 5 = GV 470 12 = GV 512 13 = GV 607 14 = GV 702 15 = GV 703 18 = GV 704 16 = GV 722 4 = MM 441 7 = MM 501 8 = MM 502 9 = MM 601 10 = MM 603 11 = MM 604 177=MM 606 17 = MM 752 2 = MMV 400 (OP) 178= MMV 600 (OP) 141 = ZMS 402 179= ZMS 510 180= ZMS 528 181= ZMS 602 142 = ZMS 606 143 = ZMS 607 182= ZMS 616 144 = ZMS 737 145 = ZMV 600 224 = ZMS 638 ZARI-MAL 146 = ZM 421 147 = ZM 521 (OP) 148 = ZM 621 AFGRI Cooperation 183= AFRIC 1 (OP) 184 = AFG 4611 185 = AFG 4663 KAMANO 235=KAM 601 236=KAM 602 237=KAM 701 240=Obantapa	Maize (cont'd) PANNAR 186=PAN 4M – 17 187=PAN 4M – 19 188=PAN 6M – 55 225=PAN 7M – 89 152=PAN 7M – 97 189=PAN 8M – 91 190=PAN 8M - 95 31 = PAN 14 (Y) 191=PAN 53 192=PAN 57 29 = PAN 61 24 = PAN 64 22 = PAN 67 - African Queen 153 = PAN 69 149 = PAN 77 26 = PAN 87 193=PAN 413 150 = PAN 5503 151 = PAN 6017 23 = PAN 6243 - in a class of its own 20 = PAN 6363 - Chipolopolo 25 = PAN 6479 21 = PAN 6549 - Mr. Reliable 27 = PAN 6573 28 = PAN 6777 30 = PAN 6823 154=PAN 6966 (Y) MRI 194=MRI EP (OP) 195=MRI MP (OP) 196=MRI 404 67 = MRI 455 66 = MRI 514 157=MRI 534 65 = MRI 594 241=MRI 604 63 = MRI 611 64 = MRI 614 62 = MRI 624 61 = MRI 634 158=MRI 644 60 = MRI 651 (Y) 159 = MRI 694 197= MRI 704 161 = MRI 711 (Y) 160 = MRI 714 57 = MRI 724 59 = MRI 734 58 = MRI 744	Maize (cont'd) SEED-CO 56 = SC 206 (Y) 47 = SC 401 48 = SC 403 49 = SC 405 50 = SC 407 198=SC 411 42 = SC 501 55 = SC 506 (Y) 44 = SC 513 43 = SC 515 45 = SC 517 46 = SC 521 199=SC 525 40 = SC 601 53 = SC 602 (Y) 54 = SC 604 (Y) 41 = SC 621 39 = SC 625 38 = SC 627 155=SC 633 200=SC 637 36 = SC 701 51 = SC 704 (Y) 52 = SC 706 (Y) 37 = SC 707 32 = SC 709 35 = SC 711 33 = SC 713 34 = SC 715 201=SC 719 Progene Seeds 202=PGS 53 Monsanto 203=DK 8031 204=DK 8051 205=DK 8071 206=DKC 8033 207=DKC 8053 208=DKC 8073 Pioneer 226=P2859W 227=PHB30B50 (Y) 228=PHB30D79 229=PHB30G19 230=PHB3253	Sorghum 81 = Local sorghum 82 = Hybrid sorghum 83 = Recycle hybrid sorghum 84 = OPV sorghum ZAMSEED 75 = KUYUMA 76 = SIMA 77 = ZSV 15 78 = WP 13 162 = MMSH 375 163 = MMSH 413 SEED-CO 79 = MACIA (OP - white) 80 = NS5511 (Hybrid - brown) Sunflower 90 = Local sunflower 91 = Hybrid sunflower 92 = Recycled hybrid sunflower 93 = OPV sunflower ZAMSEED 85 = MILIKA 86 = RECORD 231= SAONA PANNAR 87 = PAN 7369 88 = PAN 7353 89 = PAN 7351	Soyabeans 109 = Local soyabeans 110 = Hybrid soyabeans 111 = Recycled hybrid soyabeans 112 = OPV soyabeans ZAMSEED 165 = HERNON-147 103 = KELEYA 233 = Lukanga 104 = MAGOYE MRI 166 = DINA 167 = MILA SEED-CO 105 = STORM 106 = SOLITAIRE 107 = SOPRANO 108 = SAFARI Cowpeas 115 = Local cowpeas 116 = Hybrid cowpeas 117 = Recycled hybrid cowpeas 118 = OPV cowpeas ZAMSEED 113 = LUTEMBWE 114 = BUBEBE	Cotton 130= F135 131= Chureza 132= Ngwezi 133= CDT 2 Sweet potato - white or yellow-fleshed 300= Chingovwa/Lusaka/Simama/Solwezi/Kakokola (yellow) 301 = Mulungushi (yellowish) 302 = Lukulu (white) 303 = Mwandeaba (white) 304 = Lunga (white) 305 = Other white-fleshed variety 306 = Other yellow-fleshed variety Sweet potato - orange-fleshed 307 = Kalungwishi (light orange) 308 = Zambezi (orange) 309 = Lukusashi (light orange) 310 = Other orange-fleshed variety Other crops not listed 134= Local 135= Improved SEED COMPANIES 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY 140 = Do not know
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2.6.1 Enumerator: Look on the sketch on page 6. Did the household have any **cassava** fields in the 2010/2011 agricultural season?

2=No → go to SECTION 2.7

HH05

Table 2.6.2 Cassava Production *Key Variables: CLUSTER, HH, FIELD*

Reference period: Planting is open, harvest period is the beginning of May 2011 to the end of April of 2012

Cassava variety (CS01)	Source of cassava cuttings (CS02)			Month (CS04b)
1 = Chila	1=Private retailer/agro-dealer at boma	NGOs:	<u>Agricultural research organizations and activities:</u>	1 = January
2 = Mweru	2=Seed company	14=COMACO (Community Markets for Conservation)	24=CIP (International Potato Center)	2 = February
3 = Kapumba	4=Govt Food Security Pack	15=WCS (Wildlife Conservation Society)	25=ICRISAT (International Crops Research for the Semi-Arid Tropics)	3 = March
4 = Nalumino	5=Govt Farmer Input Support Program	16=CODEP (Community Development Project)	26=IITA (International Institute of Tropical Agriculture)	4 = April
5 = Manyopola (Manyokola)	6=Another farmer	17=World Vision	27=ZARI (Zambia Agriculture Research Institute)	5 = May
6 = Bangweulu	7=Own harvest	18=Self Help Africa	28=GART (Golden Valley Agricultural Research Trust)	6 = June
7 = Improved other	8=Out-grower	19=ADRA (Adventist Development & Relief Agency)	29=On-farm trial	7 = July
8 = Local variety	9=Private retailer/agro-dealer outside boma	20=Caritas Zambia	30=Ministry of Agriculture & Livestock extension worker	8 = August
9 = Kampolombo	10=Local seed producer	21=Eastern Province Farmers' Cooperative	31=Extension demonstration field / farmer field day	9 = September
10=Tanganyika	11=Cooperative/farmer group	22=Chipata District Association	32=Conservation Farming Unit (CFU)	10 = October
11=Kariba	12= Friends or relatives	23=Other NGO, specify _____	33=Other (specify) _____	11 = November
				12 = December

2.7 Type and source of power for key activities for maize production

2.7.1 Enumerator: Look on the sketch on page 6. Did the household have any **maize** fields in the 2010/2011 agric. season?

1=Yes

2=No → go to **SECTION 2.8** (below)

HH06

2.7.2 Enumerator: Tell the respondent that you would now like to get information about the type and source of power they used for key activities for their maize crop during the 2010/2011 agricultural season.

Table 2.7.2 Type and source of power for key activities for maize production Key Variables: CLUSTER, HH, VLABACT Reference period: The 2010/2011 Agricultural Season

Activity		What type and source of power did the household mainly use for for their maize crop during the 2010/2011 agricultural season? (see codes at right)
VLABACT		VLABI
Planting	1	
Fertiliser application	2	
Herbicide application	3	
Weeding without chemicals	4	
Harvesting	5	

Main type and source of power (VLABI)

0=Household did not do this activity
 1=Manual household labour
 2=Manual hired labour
 3=Own animals with HH labour
 4=Own animals with hired labour
 5=Hired/borrowed animals with HH labour
 6=Hired/borrowed animals with hired labour
 7=Own mechanical with HH labour
 8=Own mechanical with hired labour
 9=Hired/borrowed mechanical with HH labour
 10=Hired/borrowed mechanical with hired labour

2.8 Main source of labour for maize, cassava, groundnut, soyabean, and sunflower

Enumerator: Tell the respondent that you would like to ask about the main source of labour for key activities for the largest maize, cassava, groundnut, soyabean, and sunflower fields.

(**Enumerator:** Check the sketch on page 6 to see if the household grew these crops. If they did not, record “-9” – did not grow crop — in the columns where the household did not grow.)

Table 2.8. Labour for key activities Key variables CLUSTER HH LABOUR Reference period: 2010/11 agricultural season

Activity		On the HH's largest maize field, who provided most of the labour for ...? (see codes at right) Enter “-9” if did not grow the crop Enter “0” if did not do this activity	On the HH's largest cassava field, who provided most of the labour for ...? (see codes at right) Enter “-9” if did not grow the crop Enter “0” if did not do this activity	On the HH's largest groundnut field, who provided most of the labour for ...? (see codes at right) Enter “-9” if did not grow the crop Enter “0” if did not do this activity	On the HH's largest soyabean field, who provided most of the labour for ...? (see codes at right) Enter “-9” if did not grow the crop Enter “0” if did not do this activity	On the HH's largest sunflower field, who provided most of the labour for ...? (see codes at right) Enter “-9” if did not grow the crop Enter “0” if did not do this activity
LABOUR		LABSRC01	LABSRC02	LABSRC03	LABSRC04	LABSRC05
Land preparation/planting	1					
Weeding	2					
Harvesting	3					

Main source of labour

(LABSRC01, LABSRC02, LABSRC03, LABSRC04, LABSRC05)

-9=Did not grow crop
 0=Did not do this activity
 1=Family labour – female adults
 2=Family labour – male adults
 3=Family labour – male and female adults
 4=Family labour – children (< 12 years)
 5=Hired labour – male adults
 6=Hired labour – female adults
 7=Hired labour – male and female adults
 8=Hired labour – children (< 12 years)
 9=Mechanical power
 10=Animal draught power

2.9 Land use and land markets

Enumerator: Tell the respondent that we would like to ask some general questions about land use and land markets in the area. Remind the respondent that the information he/she shares is strictly confidential, so they can speak freely.

2.9.1	If the hh were to rent out its largest maize field in the 2010/11 agricultural season to someone else to use for one season , how much could the hh have charged? <i>Enter -9 if hh did not <u>own</u> a maize field in the 2010/11 agricultural season (ZMK)</i>	HH07	
2.9.2	What was the distance from the homestead to the household's largest maize field in the 2010/2011 agricultural season? <i>(1.6 km = 1 mile)</i> <i>Enter -9 if hh did not grow maize during the 2010/11 agricultural season Enter "0" if at homestead (km)</i>	HH08	
2.9.3	In your perception, do village headmen/authorities still have unallocated arable land that could be given to households in this area ? <i>1=Yes 2=No → go to 2.9.5</i>	HH09a	
2.9.4	<i>(If yes to 2.9.3)</i> If your hh wanted more land , could some of this unallocated land be allocated to this household for cropping purposes? <i>1=Yes 2=No</i>	HH09b	
2.9.5	Is it possible to change the tenure status of customary land in this village (i.e. to convert customary land into titled property)? <i>1=Yes 2=No</i>	HH10a	
2.9.6	Is it possible to buy or sell customary land in this village, without first changing it to titled land? <i>1=Yes 2=No</i>	HH10b	
2.9.7	Is it possible to rent customary land in this village ? <i>1=Yes 2=No</i>	HH10c	

SECTION 3: CROP SALES FROM OWN PRODUCTION (1st of May 2011 to end of April 2012 Marketing Season)**3.1 Maize sales**

3.1.1a Enumerator: Look on the sketch on page 6. Did the household have any maize fields in the 2010/2011 agric. season? 1=Yes 2=No → go to 3.2 (next page)	HH11a	
3.1.1b Between 1st May 2011 and 30th April 2012 , did the household sell or barter any maize from its own production in the 2010/11 agricultural season? 1=Yes 2=No	HH11b	
3.1.2 Who primarily decided whether or not to sell/barter maize ? (see codes below) (Record response in HH12. Then, if HH11b = 2 → go to 3.2 (next page))	HH12	
3.1.3 (If HH11b = 1) How many different times did the hh sell or barter maize from the 1st of May 2011 to end of April 2012 ? (Number of times)	HH13	

Enumerator: Tell respondent that we would like to know more information about the household maize sales from maize produced from last season's (2010/2011) harvest. This, therefore, refers to maize that your household sold from about the 1st of May 2011 up to end of April 2012.

Table 3.1.4 Households selling maize **Key Variables: CLUSTER, HH, MZTRANS** **Reference Period: Marketing Season Beginning of May 2011 to end of April 2012**

Maize sale transaction number	For transaction ... which year did your household sell or barter this maize? 1=2011 2=2012	In what month did your household sell/barter this maize? (see codes below)	For this transaction how much maize did your household sell/barter?		To whom did your household sell/barter this maize? (see codes below)	How far was the point of sale from the hh's homestead? (1 mile=1.6 kilometer) Enter 0 if at homestead. If "0" → go to MS09 (km)	How much did your household spend per unit to transport the maize from your homestead to the point of sale/barter? If you used your own transport, how much would you have charged someone to transport it?		Was this transaction a cash sale or barter? 1=cash sale 2=barter If = 2 (barter) → go to MS12	What was the price per unit for the cash transaction? (Try to use same unit as MS04)		How many months was it before the hh received payment (cash or in-kind)? Enter "0" if paid within 1 month. Enter "-9" if not yet paid Enter "-8" if paid prior to harvest	Who primarily decides how revenue from this transaction was or will be used? (see codes below. If 5= both head & spouse, probe further)
			Quantity	Unit (see codes below)			Transport cost per unit (ZMK)	Unit (see codes below)		Price per unit (ZMK)	Unit (see codes below)		
MZTRANS	MS01	MS02	MS03	MS04	MS05	MS06	MS07	MS08	MS09	MS10	MS11	MS12	MS13
1													
2													
3													
4													
5													
6													
7=rest of sales													

Unit Code (MS04, MS08, MS11)		Month codes (MS02)		Buyer codes (MS05)				Decision (HH12, MS13)	
1=90kg bag		1 = January	7 = July	1 = Small-scale trader	9 = Directly to miller/processor (delivered to mill/processor gate)	1=Male head of hh	7=Other female hh member		
2=50kg bag	11=5lt gallon	2 = February	8 = August	2 = Large-scale trader/wholesaler		2=Female spouse of male head	8=Non-hh male relative		
3=25kg bag	12=MEDA	3 = March	9 = September	3 = Retailer/marketeer	10 = To miller/processor through agent or designated buying point	3=Female head of hh	9=Non-hh female relative		
4=10kg bag	17=tonnes	4 = April	10 = October	4 = Other households (for consumption)		4=Male spouse of female head	10=Non-hh male non- relative		
5=20lt tin	20=kilogram	5 = May	11 = November	5 = Direct sale to FRA	11 = Out grower	5=Both head and spouse	11=Non-hh female non-relative		
		6 = June	12 = December	6 = Sale to FRA through a coop	12 = COMACO (Community Markets for Conservation)	6=Other male hh member			
				7 = NGO/faith-based organization/church	13 = Schools, hospitals or health centres				
				8 = Cooperative (not destined for FRA)	14 = Other (specify)				

3.2. All other Crops Sales EXCLUDING MAIZE, CASSAVA, GARDENS, FRUITS, & VEGETABLES. (Enumerator: If only maize was harvested, go to the next page.)

Enumerator: Ask the following questions about crop sales for all crops, excluding maize, cassava, fruits and vegetables, the household harvested last year (2010/2011 agricultural season). Make sure that crop sales include payments made with crops in exchange for labour and other services.

Table 3.2 Crop Sales

Key Variables: CLUSTER, HH, CROPSTK

Reference Period: Marketing season: 1st May 2011 – 30th April 2012

Transfer the crop codes for all crops harvested last season (2010/2011) from Table 2.4 and Table 2.5 excluding maize and cassava (see codes below)	Did the HH sell or barter any of this crop between May 2011 and April 2012? 1=Yes 2=No	Who primarily decided whether or not to sell/barter this crop? (see codes below) (if S01 = 2 → go to next cropstk)	What is the TOTAL quantity of this crop that the HH sold for cash and/or bartered for goods and/or labour from May 2011 to April 2012?		Ask the following questions for the largest cash/barter transaction										How many months was it before the hh received payment? Enter "0" if paid within 1 month. Enter "-9" if not yet paid Enter "-8" if paid prior to harvest	Who primarily decides how revenue from this sale was or will be used? (see codes below. If 5= both head & spouse, probe further)
			TOTAL quantity sold/ bartered	Unit (see codes below)	What quantity did the household sell/barter for the largest transaction?	When did the household sell/barter?	To whom did the hh sell/barter this crop? (see codes below)	How far was the point of sale from the hh's homestead? (1 mile=1.6 km) Enter 0 if at homestead. If "0" → go to S09A (km)	How much did your hh spend per unit to transport this crop from your homestead to the point of sale/barter? If you used your own transport how much would you have charged someone to transport it?	What was the price per unit for the largest cash transaction? (enter -9 if the transaction was bartered)	Transport cost per unit (ZMK)	Unit (see codes below)	Price (ZMK)	Unit (see codes below)		
CROPSTK	S01	S02	S03A	S03B	S04A	S04B	S05A	S05B	S06	S07	S08A	S08B	S09A	S09B	S10	S11

Crop Code (CROPSTK)		Unit Code (S03B, S04B S08B, S09B)		Decision codes (S02, S11)	Month codes (S05B)	Buyer codes (S06)	
2 = Sorghum	14 = Cowpeas	1=90kg bag	11=5lt gallon	1=Male head of hh	1 = January	1 = Small-scale trader	9 = Directly to miller/processor
3 = Rice	15 = Velvet beans	2=50kg bag	12=meda	2=Female spouse of male head	2 = February	2 = Large-scale trader/wholesaler	(delivered to mill/processor gate)
4 = Millet	16 = Coffee	3=25kg bag	13=bunches	3=Female head of hh	3 = March	3 = Retailer/marketeer	10 = To miller/processor through agent
5 = Sunflower	17 = Sweet potato -	4=10kg bag	14=muchumbu	4=Male spouse of female head	4 = April	4 = Other households	or designated buying point
6 = Groundnuts	white or yellow fleshed	5=20lt tin	15=ka B.P.	5=Both head and spouse	5 = May	(for consumption)	11 = Out grower
7 = Soybeans	57 = Sweet potato -	6=90kg bag unshelled	16=crates	6=Other male hh member	6 = June	5 = Direct sale to FRA	12 = COMACO (Community
8 = Seed cotton	orange fleshed	7=50kg bag unshelled	17=tonnes	7=Other female hh member	7 = July	6 = Sale to FRA through a coop	Markets for Conservation)
9 = Irish potatoes	19 = Kenaf	8=25kg bag unshelled	18=boxes	8=Non-hh male relative	8 = August	7 = NGO/faith-based organization/church	13 = Schools, hospitals or health centres
10=Virginia tobacco	20 = Cashew nut	9=10 kg bag unshelled	19=number	9=Non-hh female relative	9 = September	8 = Cooperative (not	14 = Other (specify) _____
11=Burley tobacco	22 = Paprika	10=20lt tin unshelled	20=kilogram	10=Non-hh male non- relative	10 = October	destined for FRA)	
12=Mixed beans	60 = Popcorn			relative	11 = November		
13 = Bambara nuts	61 = Sugarcane			11=Non-hh female non- relative	12 = December		
	21 = Other crop (specify)						

3.3 Storage of maize and groundnuts

3.3.1 Enumerator: Did the household harvest any maize from the 2010/11 agricultural season? Check Table 2.4 (CM14A and CM15A) & Table 2.5 (CM14B and CM15B) for crop code =1 (maize).	1=Yes 2=No → go to 3.3.2	HH14	
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3.3.1a Was maize from the 2010/11 agricultural season harvested mostly when wet or when dry ?	1=wet 2=dry	HH15	
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3.3.1b For long-term storage , in what kind of structure did the hh store most of the maize from the 2010/11 agricultural season for future home consumption or sale?	HH16	
--	------	--

- | | |
|---|----------------------------------|
| 1=in an open crib, loose | 8=in a brick structure, loose |
| 2=in an open crib in sacks | 9=in a brick structure, in sacks |
| 3=in a closed mud structure, loose | 10=in the house, loose |
| 4=in a closed mud structure, in sacks | 11=in the house, in sacks |
| 5=in a covered crib with sides made of wood/branches (no mud) | 12=household did not store maize |
| 6=in a cement plastered structure, loose | 13=other (specify) _____ |
| 7=in a cement plastered structure, in sacks | |

3.3.2 Enumerator: Did the household harvest any groundnuts from the 2010/11 agricultural season? Check Table 2.4 (CM14A and CM15A) and Table 2.5 (CM14B and CM15B) for crop code =6 (groundnuts).	1=Yes 2=No → go to Q3.4	HH17	
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3.3.2a On what surface did the hh dry most of the groundnuts harvested from the 2010/11 agricultural season? 1=on mat or tarpaulin 2=on drying rack 3=on concrete 4=on rooftop 5=in the field/on the ground 6=other (specify) _____	HH18	
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3.3.2b Did the hh store most of the groundnuts from the 2010/11 agricultural season shelled or unshelled ?	1=shelled 2=unshelled	HH19	
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3.3.2c How did the hh store the groundnuts after drying?	HH20	
---	------	--

- | | | |
|--|----------------------------------|---------------------------|
| 1=Groundnut granary with cover on top | 3=Open storage outside the house | 5=In the house – in sacks |
| 2=Groundnut granary without a cover on top | 4=In the house – loose | 6=Other (specify) _____ |

3.4. Cassava Sales

We now want to ask about your household's cassava sales.

3.4.1a Enumerator: Check the sketch on page 6. Did the household have any cassava fields during the 2010/2011 agricultural season?	1=Yes 2=No → go to next page Q3.5	HH21A	
3.4.1b Did the household sell any cassava (raw, cassava chips, or cassava flour) from the beginning of May 2011 to the end of April 2012?	1=Yes → go to Table 3.4.2 2=No	HH21B	
3.4.1c (If HH21B=2, ask) Who primarily decided <u>not</u> to sell any cassava? Enter the code then → go to next page Q3.5 (see codes below table)		HH21C	

Table 3.4.2 Cassava Sales from Own Production.

Key Variables CLUSTER, HH, CROPC

Reference period: Beginning of May 2011 to the end of April 2012

Cassava form		Between 1st May 2011 and 30th April 2012, did the HH sell or exchange any? <i>1=Yes 2=No →go to next cassava form</i>	Who primarily decided to sell? <i>(see codes below)</i>	What is the total quantity of the HH sold for cash and/or bartered for goods and/or labour from May 2011 to April 2012?		Ask the following questions for the <u>LARGEST</u> cash/barter transaction								
						When did the household sell/ barter?		How much was sold for the largest cash/barter transaction?		What was the price per unit for the largest cash transaction? <i>(enter -9 if transaction was bartered)</i>		To whom did the hh sell/ barter the? <i>(see codes below)</i>	How far was the point of sale from the hh's homestead? <i>(1 mile = 1.6 km) (km)</i>	Who primarily decides how revenue from this sale was or will be used? <i>(see codes below. If 5= both head & spouse, probe further)</i>
				Quantity sold/ Bartered	Unit <i>(see codes below)</i>	Year	Month <i>(see codes below)</i>	Quantity sold/ bartered	Unit <i>(see codes below)</i>	Price <i>ZMK</i>	Unit <i>(see codes below)</i>			
	CROPC	CSS01	CSS02	CSS03	CSS04	CSS05	CSS06	CSS07	CSS08	CSS09	CSS10	CSS11	CSS12	CSS13
Raw cassava	18													
Cassava chips	81													
Cassava flour	80													

Unit Codes (CSS04, CSS08, CSS10)	Month codes (CSS06)	Buyer code (CSS11)		Decision (HH21c, CSS02, CSS13)
1=90kg bag 2=50kg bag 3=25kg bag 4=10kg bag 5=20lt tin 11=5lt gallon 12=meda 14=muchumbu 15=ka B.P. 17=tonnes 20=kilogram	1 = January 2 = February 3 = March 4 = April 5 = May 6 = June 7 = July 8 = August 9 = September 10 = October 11 = November 12 = December	1 = Small-scale trader 2 = Large-scale trader/wholesaler 3 = Retailer/marketeer 4 = Other households (for consumption) 5 = Direct sale to FRA 6 = Sale to FRA through a coop 7 = NGO / faith-based organization / church 8 = Cooperative (not destined for FRA) 9 = Directly to Miller (delivered to mill-gate)	10 = To miller through agent or designated buying point 11 = Out grower 12 = COMACO (Community Markets for Conservation) 13 = Schools, hospitals or health centres 14 = Other (specify) _____	1=Male head of hh 2=Female spouse of male head 3=Female head of hh 4=Male spouse of female head 5=Both head and spouse 6=Other male hh member 7=Other female hh member 8=Non-hh male relative 9=Non-hh female relative 10=Non-hh male non- relative 11=Non-hh female non-relative

3.5 Fruit and Vegetable Production and Sales

3.5.1a Did this household have any productive fruit trees outside of organized orchards between 1st May 2011 and 30th April 2012?	<i>1 = Yes 2 = No</i>	HH22a	
3.5.1b Did this household produce any fruits and/or vegetables from the beginning of May 2011 to the end of April 2012?	<i>1 = Yes 2 = No → go to SECTION 4, next page</i>	HH22b	

Please now tell us about the **Quantity and VALUE of fruits and vegetables** your household harvested and/or sold from its **own production from the beginning of May 2011 to the end of April 2012.**

Table 3.5.2 Fruit and Vegetable Production and Sales *Key Variables: CLUSTER, HH, VF CODE**Reference Period: Beginning of May 2011 to end of April 2012*

Which fruits and vegetables did the household produce/harvest from the beginning of May 2011 to the end of April 2012? <i>(Enumerator: Write name of fruit/vegetable in full)</i>	<i>(Enum: list all fruits first, then vegetables)</i> Vegetable/ Fruit Code	How many times did the hh plant between May 2011 and April 2012? <i>Enter "0" if planted before May 2011</i>	Was the grown in a wetland/dambo area? <i>I=Yes 2=No</i>	Did the hh irrigate any of the? <i>I=Yes 2=No → go to VF05</i>	What was the main type of irrigation used? <i>1=motorized pump 2=piped public water 3=well/river/stream & bucket 4=hand pump or treadle pump 5=irrigation canal 6=other (specify) _____</i>	In how many months did the hh harvest between May 2011 and April 2012?	On average, how much of did the hh harvest each month?		Did the hh sell/barter any of this between May 2011 and April 2012? <i>I=Yes 2=No</i>	Who primarily decided whether or not to sell/barter this? <i>(see codes below) If VF08 = 2 → go to next fruit/vegetable</i>	In how many months did the hh sell /barter between May 2011 and April 2012?	On average, how much of did the hh sell /barter each month?		What was the approximate average price per unit that the hh received during those months? <i>(enter -9 if all the transactions were bartered)</i>		Where did most of the sales take place? <i>(see codes here and below table)</i> <i>1=within the community 2=at district centre 3=within the district 4=outside district but within prov. (codes continued below)</i>	Who primarily decides how revenue from the sales was or will be used ? <i>(see codes below. If 5 (both head & spouse), probe further)</i>
Vegetable/Fruit Name	VFCODE	VF01	VF02	VF03	VF04	VF05	VF06	VF07	VF08	VF09	VF10	VF11	VF12	VF13	VF14	VF15	VF16

Fruits (VF CODE)		Vegetables (VF CODE)			Unit (VF07, VF12, VF14)			Sales (VF15-continued)	Decision Maker (VF09, VF16)	
20 = Cashew nut	29 = Watermelon	32 = Cabbage	40 = Chilies	51=Impwa	1=90kg bag	6=90kg bag unshelled	15=ka B.P.	5=at provincial centre	1=Male head of hh	7=Other female
23 = Oranges	30 = Mangoes	33 = Rape	41 = Chomolia	52=Pumpkin leaves	2=50kg bag	7=50kg bag unshelled	16=crates	6=Lusaka's Soweto Market	2=Female spouse of hh member	
24 = Bananas	48 = Tangerines	34 = Spinach	42 = Cauliflower	53=Sweet potato leaves	3=25kg bag	8=25kg bag unshelled	17=tonnes	7=other markets in Lusaka	male head	8=Non-hh male
25 = Pineapple	49 = Lemons	35 = Tomato	43 = Carrots	54=Cassava leaves	4=10kg bag	9=10 kg bag unshelled	18=boxes	8=Masala or Chisokone market in Copperbelt	3=Female head of hh relative	
26 = Guavas	50 = Grapefruit	36 = Onion	44 = Lettuce	55=Bean leaves	5=20lt tin	10=20lt tin unshelled	19=number	9=neighboring country	4=Male spouse of female head	9=Non-hh female relative
27 = Paw Paws	31 = Other fruit	37 = Okra	45 = Green beans	56=Chinese cabbage	11=5lt gallon	13=bunches / heaps	20=kilogram	10=outside province but not captured in 6-9 above	5=Both head & spouse	10=Non-hh male non- relative
28 = Avocado		38 = Eggplant	46 = Green maize	62=Sugarcane (not scheme)	12=meda	14=muchumbu		11=other (specify)	6=Other male hh mem	11=Non-hh female non-relative
		39 = Pumpkin	47 = Other vegetables	63=Bondwe / amaranthus						
				65=Sweet sorghum						

SECTION 4: FERTILISER ACQUISITION (2010/2011)4.1 Did the household **acquire fertiliser from any source** for the **2010/2011** agricultural season?

1 = Yes

2 = No → go to 4.3

HH23

Table 4.2 Fertiliser acquisition Key Variables: CLUSTER, HH, FERTCH

Reference Period: The 2010/2011 Agricultural Season

Sources of Fertiliser	Did the hh acquire fertiliser from this source? 1= Yes 2= No → go to next source SHOULD NOT BE LEFT BLANK	How far was the point of collection from the homestead? (1 mile = 1.6 km) Enter "0" if less than 1 km (km)	What quantity of basal dressing fertiliser IN KG's did the hh acquire? (kg) Enter "0" if none and → go to FR05	Enum: write in words the number of bags where applicable For example: 2 X 50kg	Was the basal dressing fertiliser from this channel available at the time the HH needed it? 1 = Yes 2 = No	What quantity of top dressing fertiliser IN KG's did the hh acquire? (kg) Enter "0" if none and → go to next source	Enum: write in words the number of bags where applicable For example: 2 X 50kg	Was the top dressing fertiliser from this channel available at the time the HH needed it? 1 = Yes 2 = No
	FERTCH	FR01	FR02	FR03		FR04	FR05	FR06
GOVERNMENT								
FISP/MAL (Direct from FISP or via a coop/farmer group)	1							
Food Security Pack/Ministry of Community Development & Social Services	2							
COMMERCIAL								
Cash purchase from private trader/retailer	3							
Cash purchase from cooperative or farmer association	4							
Cash purchase from another farmer or individual	5							
Loan purchase from private trader/retailer	6							
Loan purchase from out-grower scheme or others	7							
Direct commercial exchange/barter	8							
GIFTS/FREE/GRANT (excluding Food Security Pack)								
Other households, institutions or other sources	9							

4.3 (Enum: Ask if household did not acquire FISP fertiliser for the 2010/11 agricultural season (HH23 = 2 OR (HH23=1 and FERTCH=1 & FR01=2))Why did this household **not receive FISP** fertiliser in the **2010/2011** agricultural season?

HH24

1=not eligible

5=don't know

8=denied cooperative membership for reasons other than cost of membership

2=could not afford cooperative membership

6=could not afford FISP down payment

9=didn't want to be member of cooperative

3=didn't want to get FISP because of late delivery

7=FISP fertiliser not available

10=soil is fertile (do not need fertiliser)

4=didn't want to get FISP for other reasons

11=other (specify) _____

4.4 (Enum: Ask if HH did not acquire commercial fertiliser from any source for 2010/11 agricultural season (HH23 = 2 OR (HH23=1 & FR01=2 for FERTCH=3 through 8)What is the **most important reason** why the household did not **purchase fertiliser** from a **commercial source** in the **2010/11** agricultural season?

HH25

1 = did not have cash

3 = transport was too expensive

5 = soil is fertile (do not need fertiliser)

2 = it did not pay, it was not profitable, it was too costly

4 = not available in the stores

6 = other (specify) _____

Enumerator: Ask the following questions only if the household purchased fertiliser by “commercial cash terms” - Table 4.2 where FR01 = 1 for any of FERTCH = 3, 4, or 5.

Table 4.5 Fertiliser prices and transport costs

Reference Period: The Agricultural Season 2010/2011

[illegible]

SECTION 5 – Acquisition of seed and/or planting material.

5.1 **Enumerator:** Check the sketch on p. 6 - Did the household **grow any of the following crops in the 2010/2011 agric. season?**
maize, sunflower, groundnut, soyabean, white or yellow-fleshed sweet potato, or orange-fleshed sweet potato.

1 = Yes 2 = No → go to SECTION 6

HH30

Table 5.2 Seed/planting material acquisition *Key Variables: CLUSTER, HH, CROPSEED, VARIETY* *Reference Period: The 2010/2011 Agricultural Season*[illegible]

5.2 Enumerator: Check Table 5.2 - Did the HH grow the yellow-fleshed sweet potato variety Chingovwa / Lusaka / Simama/ Solwezi / Kakokola (CROPSEED = 17, VARIETY = 300) during the 2010/11 agricultural season?

1=Yes 2=No → go to SECTION 6

HH31

5.2.1 (If yes ask,) From what **source** did your household **first** get the sweet potato variety of Chingovwa/ Lusaka/ Simama/ Solwezi/Kakokola?

(see codes below for ST01)

HH32

Source of seed/planting material (ST01)			Unit code (ST05; ST07)	
1=Private retailer/agro-dealer at boma	NGOs:	<u>Agricultural research organizations and activities:</u>	1=90kg bag	10=20lt tin unshelled
2=Seed company	14=COMACO (Community Markets for Conservation)	24=CIP (International Potato Center)	2=50kg bag	11=5lt gallon
4=Govt Food Security Pack	15=WCS (Wildlife Conservation Society)	25=ICRISAT (International Crops Research for the Semi-Arid Tropics)	3=25kg bag	12=MEDA
5= Govt Farmer Input Support Program	16=CODEP (Community Development Project)	26=IITA (International Institute of Tropical Agriculture)	4=10kg bag	13=bunches
6=Another farmer	17=World Vision	27=ZARI (Zambia Agriculture Research Institute)	21=5kg bag	14=MUCHUMBU
7=Own harvest	18=Self Help Africa	28=GART (Golden Valley Agricultural Research Trust)	22=2kg bag	15=ka B.P.
8=Out-grower	19=ADRA (Adventist Development & Relief Agency)	29=On-farm trial	5=20lt tin	16=crates
9=Private retailer/agro-dealer outside boma	20=Caritas Zambia	30=Ministry of Agriculture & Livestock extension worker	6=90kg bag unshelled	17=tonnes
10=Local seed producer	21=Eastern Province Farmers' Cooperative	31=Extension demonstration field / farmer field day	7=50kg bag unshelled	18=boxes
11=Cooperative/farmer group	22=Chipata District Association	32=Conservation Farming Unit (CFU)	8=25kg bag unshelled	19=number / cuttings / seedling
12= Friends or relatives	23=Other NGO, specify	33=Other (specify)	9=10 kg bag unshelled	20=kilogram

SECTION 6: RURAL LOANS/CREDIT We now want to ask about any loans/credit the household may have acquired to support agricultural production and the household's access to loans/credit.

Table 6.1 Loans/credit to support agricultural production and access to credit

Key Variables: CLUSTER, HH, LNA

Source of loan/credit		<i>Enumerator: These questions are about loans/credit to support agricultural production during the 2010/2011 agricultural season</i>				<i>Enum: These questions are for the period October 2010 to present</i>	
		Did any member of your household borrow money or obtain a loan/credit (cash or in-kind) from ... to support agricultural production during the 2010/2011 agricultural season ? <i>1 = Yes</i> <i>2 = No → go to LNA05</i>	What was the value of this loan/credit excluding interest (Kwacha equivalent if it was in-kind)? <i>(ZMK)</i>	Was collateral required to obtain this loan/credit? <i>1=Yes</i> <i>2=No → go to next source of loans/credit</i>	What main type of collateral did your household use to obtain this loan/credit? <i>1=land title 6=bank account</i> <i>2=farm implements/ 7=salary</i> <i>equipment 8=membership in a club/</i> <i>3=vehicle community group/</i> <i>4=house cooperative</i> <i>5=animals 9=other household assets</i> <i>Enumerator: Enter the appropriate code.</i> <i>Then →go to the next source of loan/credit (LNA).</i>	Between October 2010 and now , was it possible for people from this village to get loans/credit from ...? <i>1 = Yes</i> <i>2 = No → go to next source of loans/credit</i> <i>3 = I don't know → go to next source of loans/credit</i>	Between October 2010 and now , would any member of this HH be given a loan/credit from if they applied for it? <i>1 = Yes</i> <i>2 = No</i> <i>3 = I don't know</i>
LNA		LNA01	LNA02	LNA03	LNA04	LNA05	LNA06
Government-run program	1						
Commercial bank	2						
Farmers' union or cooperative	3						
Micro credit institution / community credit scheme	4						
Out-grower scheme	5						
NGO / faith-based organization / church	6						
Friend/relative/informal moneylender (e.g., kaloba)	7						
Company leasing equipment to own (e.g. Rent to Own)	8						
Other (specify) _____	9						

7.1	Did this household raise or own any livestock, poultry or stocked fish ponds between May 2011 and April 2012 ?	<i>1=Yes</i> <i>2=No → go to SECTION 8</i>	HH33	
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Enumerator: *Ask specifically about each livestock*

Reference period: May 1, 2011 to April 30, 2012

[illegible]

Table 7.3 Livestock sales

Key Variables: CLUSTER HH, LSTOCK1

Reference period: May 1, 2011 to April 30, 2012

Primary decision-maker codes (LS15, LS21)	
<u>Household members:</u>	<u>Non-household members</u>
1=Male head of hh	8=Non-hh male relative
2=Female spouse of male head	9=Non-hh female relative
3=Female head of hh	10=Non-hh male non- relative
4=Male spouse of female head	11=Non hh female non-relative
5=Both head and spouse	
6=Other male hh member	
7=Other female hh member	

7.3.1	<i>(Enumerator: Ask if LS08 > 0 and/or LS12 > 0 for LSTOCK=1 (CATTLE) in Table 7.2 and/or LS16 > 0 for LSTOCK1=1 in Table 7.3)</i> From all the cattle that were slaughtered or died between 1st May 2011 and 30th April 2012, how many skins/hides were sold? Enter "0" if none → go to 7.3.3 (Number)			HH34		
	7.3.2	(Ask if HH34 > 0) What was the TOTAL value in ZMK of the cattle skins/hides sold between 1st May 2011 and 30th April 2012? Enter -9 if not yet paid (ZMK)			HH35	

7.3.3	<i>(Enumerator: Ask if LS08 > 0 and/or LS12 > 0 for LSTOCK=2 (GOATS) in Table 7.2 and/or LS16 > 0 for LSTOCK1=2 in Table 7.3)</i> From all the goats that were slaughtered or died between 1st May 2011 and 30th April 2012, how many skins/hides were sold? Enter "0" if none → go to 7.4 (Number)			HH36		
	7.3.4	(Ask if HH36 > 0) What was the TOTAL value in ZMK of the goats skins/hides sold between 1st May 2011 and 30th April 2012? Enter -9 if not yet paid (ZMK)			HH37	

7.4 We would like to ask now about livestock diseases and how the household manages those diseases.

Enumerator: Ask specifically about each livestock raised

Table 7.4.1 Livestock Diseases Key Variables: CLUSTER, HH, LVSTOCK, LSD02

Reference period: May 1, 2011 to April 30, 2012

Livestock Raised		<p><i>Enumerator: Did the HH raise any ... between 1st May 2011 and 30th April 2012?</i></p> <p><i>(Copy from LS01 in Table 7.2)</i></p> <p>1=Yes 2=No → go to next LVSTOCK2</p>	<p>Were any of the that the HH was raising infected by disease?</p> <p>1=Yes 2=No → go to LSD06</p>	<p>How were these animals treated?</p> <p>1=Veterinary drugs/vaccines 2=Traditional medicines → go to LSD05 3=Not treated → go to LSD05</p>	<p><i>(Ask if LSD03=1)</i></p> <p>What was the main source of the drugs/vaccines?</p> <p><i>1=Fellow farmer</i> <i>2=Paravets</i> <i>3=Veterinary Dept</i> <i>4=Agro-dealer /private retail firm</i> <i>5=Trader</i> <i>6=NGO / faith-based organization / church</i> <i>7=Livestock Services (Lusaka Showgrounds)</i> <i>8=Livestock service center</i> <i>9=Other sources (specify) _____</i></p>	<p>How many ... were lost to diseases between 1st May 2011 and 30th April 2012?</p> <p>(Enter "0" if none)</p>	<p>Did the hh de-worm its at any time between 1st May 2011 and 30th April 2012?</p> <p>1=Yes 2=No</p>	<p>What main method of tick/flea control does the hh practice?</p> <p><i>1=Dipping</i> <i>2=Spraying</i> <i>3=Pour-on</i> <i>4=Hand dressing</i> <i>5=Injectable</i> <i>6=None</i></p>
LVSTOCK2		LSD01	LSD02	LSD03	LSD04	LSD05	LSD06	LSD07
Cattle	1							
Goats	2							
Pigs	3							
Sheep	4							
Village chickens	6							

7.5 MILK, EGG, BROILER CHICKEN AND FISH PRODUCTION AND SALES FROM THE BEGINNING OF MAY 2011 TO THE END OF APRIL 2012

7.5.1	<i>(Enumerator: if the household raised and/or owned cattle or goats ask the following: if no, enter 2 and follow skip.)</i> Did the household produce any milk from the beginning of May 2011 to the end of April 2012?	<i>1=Yes 2=No → go to 7.5.2</i>	HH38	
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Table 7.5.1.1 **Milk Production and sales** Key Variables: CLUSTER, HH, MEF

Reference Period: Beginning of May 2011 to end of April 2012

		For which months was the												In a typical high month, how much did the HH produce/sell/ consume?	In a typical low month, how much did the HH produce/sell/ consume?	What was the last price the HH received when was sold?	Who primarily decides how revenue from the sales was or will be used?
		<i>0= None 1 = Low 2 = High</i>												<i>(Enumerator: If no high production, sales or consumption, leave blank.)</i>	<i>(Enumerator: If no low production, sales or consumption, leave blank.)</i>	<i>(ZMK/liter or ZMK/egg or ZMK/broiler)</i>	<i>(see codes below. If 5 (both head & spouse), probe further)</i>
		2011 May	June	Jul	Aug	Sept	Oct	Nov	Dec	2012 Jan	Feb	Mar	April				
MEF		LV01	LV02	LV03	LV04	LV05	LV06	LV07	LV08	LV09	LV10	LV11	LV12	LV13	LV14	LV15	LV16
Production of milk (including home consumption) ...?	1																
Sales for cash and barter of fresh milk ...?	2																
Sales for cash and barter of sour milk ...?	3																

7.5.2	Did this household consume and/or sell any eggs from own production from the beginning of May 2011 to the end of April 2012?	<i>1=Yes 2=No → go to 7.5.3</i>	HH39	
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		(Numbers)												(Numbers)		
Consumption of eggs from own production ...?	4															
Sales of eggs from own production ...?	5															

7.5.3	Did this household produce any broiler chickens from the beginning of May 2011 to the end of April 2012?	<i>1=Yes 2=No → go to 7.5.4 (next page)</i>	HH40	
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		(Numbers)												(Numbers)		
Slaughter and consumption by the household of broilers from own production ...?	6															
Sales of broilers from own production ...?	7															

Primary decision-maker codes (LV16)

1=Male head of hh	5=Both head and spouse	9=Non-hh female relative
2=Female spouse of male head	6=Other male hh member	10=Non-hh male non- relative
3=Female head of hh	7=Other female hh member	11=Non hh female non-relative
4=Male spouse of female head	8=Non-hh male relative	

7.5.4 From the **beginning of May 2011** to the **end of April 2012** did this household **harvest any fish from fishponds owned or managed by the household?**

1=Yes 2=No → go to **SECTION 8**

HH41

Table 7.5.4.1 Value of sales and consumption of fish from fishponds

Key Variables: CLUSTER, HH, FISH

Reference Period: Beginning of May 2011 to end of April 2012

		2011 May	June	Jul	Aug	Sept	Oct	Nov	Dec	2012 Jan	Feb	Mar	April	Who primarily decides how revenue from the sales was or will be used? (see codes below. If 5 (both head & spouse), probe further)
	FISH	FSH01	FSH02	FSH03	FSH04	FSH05	FSH06	FSH07	FSH08	FSH09	FSH10	FSH11	FSH12	FSH13
How much revenue did the household receive from selling fish from fish ponds in ?	1													
What would have been the value of fish from fish ponds consumed by the household in if the household had sold them?	2													

Primary decision-maker codes (FSH13)

1=Male head of hh	5=Both head and spouse	9=Non-hh female relative
2=Female spouse of male head	6=Other male hh member	10=Non-hh male non- relative
3=Female head of hh	7=Other female hh member	11=Non hh female non-relative
4=Male spouse of female head	8=Non-hh male relative	

SECTION 8. HOUSEHOLD ASSETS / IMPLEMENTS

8.1 Please tell us about the type and number of assets or implements owned by the household.

Table 8.1 Assets*Key Variables: CLUSTER, HH, ASSET*

Type of Assets	Asset code	Did the hh own as at 1 st May 2011? <i>1 = Yes 2 = No → go to next asset</i>	How many..... did the hh have in working condition as at 1st May 2011? <i>(Enter "0" if none)</i>	If the hh were to have sold all of these..... how much would they have fetches as at 1st May 2011? <i>(Enter the total value in Kwacha)</i>
	ASSET	AST01	AST02	AST03
Ox-drawn plough	1			
Disc plough	2			
Harrows	3			
Cultivators	4			
Rippers	5			
Ridger/ weeder	6			
Planter	7			
Fitarelli (for zero tillage)	8			
Tractors	9			
Hand driven tractor	10			
Scotch carts	11			
Wheel barrow	12			
Water pump / treadle pump	13			
Other irrigation equipment (e.g., irrigation pipes)	14			
Trucks/lorries	15			
Pick-ups/ vans/cars	16			
Trailer	17			
Motorcycle	18			
Bicycles	19			
Boats/canoes	20			
Fishing net	21			

Reference period: 1st May 2011

Type of Assets	Asset code	Did the hh own as at 1 st May 2011? <i>1 = Yes 2 = No → go to next asset</i>	How many..... did the hh have in working condition as at 1st May 2011? <i>(Enter "0" if none)</i>	If the hh were to have sold all of these..... how much would they have fetches as at 1st May 2011? <i>(Enter the total value in Kwacha)</i>
	ASSET	AST01	AST02	AST03
Cattle dip/crush pen	22			
Hand mills	23			
Hammer mills	24			
Rump presses/oil expellers	25			
Knapsack sprayer	26			
Boom sprayer	27			
Hand-operated maize sheller	28			
Motorized maize sheller	29			
Hand-operated groundnut sheller	30			
Motorized groundnut sheller	31			
Solar panel and equipment	32			
Generator	33			
Cell phone	34			
Radio	35			
TV	36			
Car battery	37			
Sewing machine	38			
Homestead excluding fields	39			
Water tank	40			
Standard well (protected)	41			
Borehole	42			

SECTION 9: OFF-FARM INCOME AND REMITTANCES (From May 2011 to April 2012)

9.1. We would like to talk about all household members who have earned income from **SALARIED EMPLOYMENT OR INFORMAL WAGE LABOUR ACTIVITIES OR PENSIONS** from the beginning of May 2011 to the end of April 2012. These activities include all formal salaried employment and all casual labour for which members were paid cash or an in-kind wage, including agricultural and non-agricultural labour. Include also the value of any pensions received from the beginning of May 2011 to the end of April 2012. Do not include income from business activities or food aid for work, which will be captured in other sections.

Table 9.1a Salaried and informal wage labour activities.*Reference period: beginning of May 2011 to the end of April 2012*

Did any of the household members work for or receive a salary/wage?		1=Yes 2=No → go to next activity	Ask for the names of the household members earning from this activity			Did any of the household members work for or receive a salary/wage?		1=Yes 2=No → go to next activity	Ask for the names of the household members earning from this activity		
WACT (ask item by item)			Name 1	Name 2	Name 3	WACT (ask item by item)			Name 1	Name 2	Name 3
1=On a smallholder farm (less than 20 ha)	SFARM					15=As a clerk in private business	CLERK				
2=On a large-scale farm (20 ha or more)	CFARM					16=As a shop attendant	SHOPKEEP				
3=In a factory or other industrial work	FACTORY					17=Non-agricultural piece work	NONAGRIC				
4=In a mine	MINE					18=Receive pension	PENSION				
5=As a teacher (civil servant)	TEACHC					19=In a crop input marketing company	CICOM				
6=As a teacher (not civil servant)	TEACHN					20=In a crop output marketing/processing company	COCOM				
7=As a health worker (civil servant)	HEALTHC					21=In a crop services company (e.g., ploughing, planting, spraying)	CSCOM				
8=As a health worker (not civil servant)	HEALTHN					22=In a livestock input marketing company	LICOM				
9=As an agricultural officer (civil servant)	AGOFFICERC					23=In a livestock output marketing/processing company	LOCOM				
10=As an agricultural officer (not civil servant)	AGOFFICERN					24=In a livestock services company (e.g., veterinary, vaccinations, de-worming)	LSCOM				
11=As a police/ army/ national service person	POLICE					25=In a private company other than listed above	PRICOM				
12 = Other civil servant	CSERVANT					26=As a worker in the tourism industry (lodges, safari, curio, etc.)	TOURISM				
13 = For a parastatal (FRA, ZESCO, etc.)	PARAS					27=As house help	HOUSEHELP				
14 = Casual worker for FRA	CASFRA					28=Other (specify)	OTHERS1				

We would now like to ask about the earnings (cash and in-kind) for the activities of each of the household members who have salary and/or informal wage labour income and/or pensions.

Table 9.1b Salaried Employment or Informal Wage Labour Activities or Pensions *Key Variables: CLUSTER, HH, MEM, WACT* *Reference Period: 1st May 2011 to 30 April 2012*

Salaried Employment or Informal Wage Labour Activities (WACT)				
1=On a smallholder farm <20 ha	7=Health worker (civil servant)	13=Parastatal	19= Crop input company	24= Livestock services company
2=On a commercial farm >=20 ha	8=Health worker (<u>not</u> civil servant)	14=Casual workers for FRA	20= Crop output company	25=Other private company
3=In a factory or other industrial work	9=Agricultural officer (civil servant)	15=Clerk in private business	21= Crop services company	26=Worker in tourism industry
4=In a mine	10=Agricultural officer (<u>not</u> civil servant)	16=Shop attendant	22= Livestock input company	27=House help
5=Teacher (civil servant)	11=Police/army/national service	17=Non-agricultural piece work	23= Livestock output company	28=Other (specify) _____
6=Teacher (not civil servant)	12=Other civil servant	18=Pension		

9.2 We would like to talk about all household members who participated in **FORMAL OR INFORMAL BUSINESS ACTIVITIES** from the beginning of May 2011 to the end of April 2012. This should include any income generating activity other than the selling of your own farm produce or sale of your own labour for wages.

Table 9.2a Business activities*Reference period: beginning of May 2011 to the end of April 2012*

Did any of the household members earn any income from the following formal or informal business activities		1=Yes 2=No → go to next activity	Ask for the names of the household members earning from this activity			Did any of the household members earn any income from the following formal or informal business activities		1=Yes 2=No → go to next activity	Ask for the names of the household members earning from this activity		
BACT (ask item by item)			Name 1	Name 2	Name 3	BACT (ask item by item)			Name 1	Name 2	Name 3
1 = crop input trading	CITRADE					22=bicycle repairing	BREPAIR				
2 = crop output trading	AOTRADE					23=weaving (cloth and reed/basketry) and selling	WEAVE				
3 = livestock input trading	LITRADE					24=blacksmithing	BSMITH				
4 = beef trading	BEEFTRADE					25= healing (traditional)	TDOCTOR				
5 = dairy trading	DAIRTRADE					26=fishing and selling (from lakes/rivers/streams excluding fish ponds)	FISHSELL				
6 = other livestock output trading (pigs, goats, sheep, chickens)	OTHANIM					27= mining precious stones (small scale)	SMINE				
7 = retailer/shop owner	ONSHOP					28=gathering ants and caterpillars and selling	CATEP				
8 = marketeer/hawker/vender	VENDER					29=mushroom collecting and selling	MUSHR				
9 = firewood collection and selling	FIREWD					30=wild honey collecting and selling	HONEY				
10=charcoal production and selling (charcoal is produced by the HH)	CHARCOLP					31=beekeeping and honey selling	BEE				
11=charcoal trading (charcoal is not produced by the HH)	CHARCOLT					32= wild fruits collection and selling	FRUIT				
12=carpentry	CAPNTER					33=poles/timber collecting and selling	POLES				
13=builder / construction	BUILDER					34=thatching/fencing grass collecting and selling	GRASS				
14=local brewing and selling	LBREW					35=curio business	CURIO				
15=butchery (all meats including game, cooked or uncooked)	BCHERY					36=hair saloon / barbershop business	HAIR				
16=crop services (e.g., ploughing, planting, spraying)	CROPSERV					37=landlord	LANDLORD				
17=livestock services (e.g., veterinary, vaccinations, de-worming)	LVSTSERV					38=transporter	TRANSPORT				
18=milling	MILL					39=repairing items	REPAIR				
19=cooking oil processing and selling	OILP					40=baker	BAKER				
20=agro-processing	AGROP					41=other (specify) _____	OTHERB1				
21=tailoring	TAILOR					41=other (specify) _____	OTHERB2				

We would now like to ask about the earnings for the activities of each of the household members who have business activity income.

[illegible]

Formal and Informal Business activities (BACT)			
1=crop input trading	12=carpentry	23=weaving (cloth & reed/basketry) & selling	34=thatching/fencing grass collection & selling
2=crop output trading	13=builder / construction	24=blacksmithing	35=curio business
3=livestock input trading	14=brewing (local) & selling	25=healing (traditional)	36=hair saloon / barbershop business
4=beef trading	15=butchery (all meats including game cooked or uncooked)	26=fishing and selling (from lakes/ rivers/ streams excluding fish ponds)	37=landlord
5=dairy trading	16=crop services (e.g., ploughing, planting, spraying)	27= mining precious stones (small scale)	38=transporter
6=other livestock output trading (pigs, goats, sheep, chickens)	17=livestock services (vet, vaccinations, de-worming)	28=ants & caterpillar gathering & selling	39=repairing items
7=retailer/shop owner	18=milling	29=mushroom collecting & selling	40=baker
8=marketeer/hawker/vendor	19=cooking oil processing & selling	30=wild honey collecting & selling	
9=firewood collection and selling	20=agro-processing	31=beekeeping & honey selling	41=other (specify) _____
10=charcoal production and selling	21=tailoring	32=wild fruits collecting and selling	
11=charcoal trading	22=bicycle repairing	33=poles/timber collection & selling	

9.3 Cash and commodities received by household from others

We would now like to talk about **CASH AND FOOD AND NON-FOOD COMMODITIES RECEIVED** by any member of this household from another person/household or organization from the beginning of May 2011 to the end of April 2012. Do **NOT** include cash or in-kind payments received for service or labor (this is covered in other sections). **DO** include all food aid for work, which should **not** have been reported in the salary table.

Table 9.3 Cash & commodities received by household Key Variables: CLUSTER, HH, CASHREC Reference Period: Beginning of May 2011 to the end of April 2012

Source of the cash or commodity		Did any household member receive any cash from ... from the beginning of May 2011 to the end of April 2012? <i>1=Yes 2=No → go to CR03</i>	What is the amount of cash in ZMK received from ... by all the members of the household from the beginning of May 2011 to the end of April 2012? (ZMK)	Did any household member receive any maize, non-food items or other commodities from ... from the beginning of May 2011 to the end of April 2012? <u>Do NOT include cattle, goats, pigs, or sheep.</u> <i>1=Yes 2=No → go to next source</i>	What is the value in ZMK of the maize received from ... by all the members of the household from the beginning of May 2011 to the end of April 2012? (ZMK) <i>Enter "0" if none</i>	What is the value in ZMK of the non-food items and other commodities received from ... by all the members of the household from the beginning of May 2011 to the end of April 2012? <u>Do NOT include cattle, goats, pigs, or sheep.</u> (ZMK) <i>Enter "0" if none</i>
CASHREC		CR01	CR02	CR03	CR04	CR05
Marriage dowry/lobola payment	1					
Damage payments	2					
Elopement fees	3					
Non-resident family members or relatives (not listed in HH roster)	4					
Unrelated households	5					
Church/ local community organization/ NGO (exclude food aid)	6					
Government	7					
Food aid (for free or for work)	8	2				
Other (specify) _____	9					

SECTION 10: QUESTIONS ABOUT AGRICULTURAL INFORMATION, DISTANCES TO AND COST OF AGRICULTURAL SERVICES**10.1** Please tell us about the **advice/information the household received** from **organizations, private agents or individual farmers**.**Table 10.1 Advice/Information Provision***Key Variables: CLUSTER, HH, SRCODE**Reference Period: OPEN*

Table 10.1: Advice/Information Provision				
Type of Advice/Information		Has any member of the hh ever...? 1 = Yes 2 = No → go to next type of advice	Who was the most important supplier or organizer of this advice/information? (see code below)	How did the hh receive this advice/information? 1=Informal conversation 2=Radio program 3=Pamphlet/newspaper 4=Workshop 5=Field Day 6 =Demonstration plot 7=Visit 8=Meeting 9=Training programme 10 =Other (specify) _____
	SRCODE	SR01	SR02	SR03
Received any advice on conservation farming ?	1			
Received any information about the problems associated with aflatoxin in maize and/or groundnuts ?	2			
Received any advice to use chemical grain protectants (e.g., Actellic chirinda matura dust) to protect maize in storage from weevils ?	3			

Supplier of Advice/Information (SR02)			
MAL	PRIVATE FIRMS	NGO'S	
0=MAL Extension	6=Lonhro/Dunavant	14=CLUSA Group	25=Cooperative/farmer group
1=Rural Investment Fund (RIF)	7=Clark/Cargill Cotton	15=ZNFU/Conservation Farming Unit	26=COMACO (Community Markets for Conser.)
2=SCAFE	8=Amaka	16=CARE	27=WCS (Wildlife Conservation Soc)
3=Other MAL Agents (including vet)	9=Alliance Cotton	17=World Vision	28=CODEP (Community Dev. Project)
4=FRA cooperative	10=Private output traders	18=Economic Expansion in Outlying Areas	29=Self Help Africa
5=Ministry of Health/health officer/facility	11=Other outgrowers	19=Agricultural Support Program (ASP)	30=ADRA (Adventist Dev. & Relief Agency)
/National Food & Nutrition Council	12=Commercial banks	20=Church based Group	31=Caritas Zambia
	13=Private input suppliers/ stockists/ agro-dealers/ agents	21=HODI	32=Eastern Province Farmers' Coop
		22=ICAZ (Institute of Cultural Affairs of Zambia)	33=Chipata District Association
35=Other category (MAL/Private Firm (specify)): _____		23=Locally organized group	
		24=Fellow farmers	34=Other NGO (specify): _____

10.2 Please tell us the **sources** of the household's information on **agricultural commodity prices**.

10.2.1	Does the household get access to information about agricultural commodity prices ?	<i>1 = Yes 2 = No → go to Q10.2.3</i>	HH42	
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10.2.2	(Ask if HH42 = 1) What is the household's main source of agricultural commodity price information ?	HH43	
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<i>1 = Extension Agent</i>	<i>7 = ZNFU SMS</i>	<i>14 = Outgrowers</i>
<i>2 = Farmer/neighbor</i>	<i>8 = NGO / faith-based organization / church</i>	<i>15 = Shops</i>
<i>3 = Radio Program</i>	<i>9 = Other ZNFU sources (Billboards, newsletter persons)</i>	<i>16 = Headman</i>
<i>4 = Pamphlet/Newspaper</i>	<i>10 = Conservation Farming Unit (CFU)</i>	<i>17 = Television</i>
<i>5 = Workshop</i>	<i>11 = COMACO (Community Market for Conservation)</i>	<i>18 = Market place</i>
<i>6 = Field Day</i>	<i>12 = Eastern Province Farmer's Cooperative</i>	<i>19 = Farmer group - cooperative</i>
	<i>13 = Trader / Marketeer</i>	<i>20 = Other (specify) _____</i>

10.2.3	Does any member of this household have a bank account ?	<i>1 = Yes 2 = No</i>	HH44	
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10.2.4	Is there currently a member of Parliament (MP) who hails from this village/locality?	<i>1 = Yes 2 = No</i>	HH45	
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10.3 We will now ask about the household's **participation** in **local agriculture** or **credit-related organizations**.

10.3.1	Is anyone in this household a member of a farmer cooperative, farmer group, and/or farmer association ?	<i>1 = Yes 2 = No</i>	HH46	
10.3.2	Is anyone in this household a member of a women's group ?	<i>1 = Yes 2 = No</i>	HH47	
10.3.3	Is anyone in this household a member of a local savings and loan society ?	<i>1 = Yes 2 = No</i>	HH48	

10.4 Proximity to Food Reserve Agency buying points & maize market access

(Enumerator: Enter -9 if respondent does not know)

10.4.1	As of October 2010 , what was the distance from the hh's homestead to the nearest FRA buying point ? (<i>1 mile = 1.6 km</i>) <i>If less than 1 km, enter in decimals (km)</i>	FRA1	
10.4.2	As of October 2010 , how much did it cost (or would it have cost) to pay someone to transport a 50 kg bag of maize from the hh's homestead to the nearest FRA buying point ? (<i>ZMK</i>)	FRA2	
10.4.3	As of August 2011 , what was the distance from the hh's homestead to the nearest FRA buying point ? (<i>1 mile = 1.6 km</i>) <i>If less than 1 km, enter in decimals (km)</i>	FRA3	
10.4.4	As of August 2011 , how much did it cost (or would it have cost) to pay someone to transport a 50 kg bag of maize from the hh's homestead to the nearest FRA buying point ? (<i>ZMK</i>)	FRA4	
10.4.5	How many different traders came into this village to buy maize between May 2011 and September 2011 (peak maize marketing period)? (<i>Number</i>)	FRA5	
10.4.6	How many different traders came into this village to buy maize between October 2011 and December 2011 ? (<i>Number</i>)	FRA6	

10.5 We would now like to ask about **distances** to key **agricultural services**.

Table 10.5 Distances to key agricultural services *Key variables: CLUSTER HH KEYSERV*

Reference period: NOW

From the homestead, how far is it to the <u>NEAREST</u>		Distance <i>(1 mile=1.6 kilometers)</i> <i>(Enumerator: Record in kilometers.</i> <i>Enter 0 if less than one km</i> <i>Enter -9 if do not know)</i> <i>(km)</i>	How much time is required to reach this destination using the most common mode of transport used by the HH to reach this destination (including walking as mode)?		
			Mode of transport most commonly used by the HH to reach this destination: <i>1=Walking</i> <i>2=Bicycle</i> <i>3=Ox-cart</i> <i>4=Canoe</i> <i>5=Motorized transport</i> <i>6=Combination of modes</i>	Time <i>(number)</i>	Unit <i>1=minutes</i> <i>2=hours</i>
KEYSERV		KS01	KS02	KS03	KS04
Boma	1				
Tarmac/tarred road	2				
Private fertiliser retailer (during the fertiliser selling season, i.e., October/November)	3				
Established market place with many buyers & sellers of locally-produced agricultural products	4				
Hammer mill	5				
Feeder road	6				
Point where you can receive mobile cell phone network services	7				
Agro-dealer	8				
Agricultural camp/block office	9				
Point where you can sell livestock/livestock products to private buyers	10				
Livestock service center	11				
Para-vet	12				
Seller of veterinary products	13				
Dip tank	14				
Basic school	15				
Clinic/health centre	16				
Borehole / piped water source	17				
Electricity supply	18				

SECTION 11: FOOD PURCHASES AND PROCESSING (Beginning of May 2011 to end of April 2012)

11.1. Please tell us about the food that your household purchased or bartered into your possession for your home consumption from the beginning of May 2011 to the end of April 2012.
(**Enumerator:** Do not include in this table household food procured as in-kind payment for labour and other services.)

Table 11.1 Food Purchases Key Variables: CLUSTER, HH, PURCH**Reference Period: Beginning of May 2011 to end of April 2012**

Product purchased/ bartered in <i>Enumerator: Ask specifically about each product listed below</i>		From the beginning of May 2011 to the end of April 2012 did this household purchase/ barter-in any for home consumption ? <i>1=Yes 2=No → go to next purch</i>	May 2011 – October 2011				November 2011 - April 2012			
			What was the total quantity purchased/bartered-in between 1st May 2011 and 31st October 2011?			What type of supplier sold/ bartered this product to/with the hh? <i>(see codes below)</i>	What was the total quantity purchased/bartered-in between 1st November 2011 and 30th April 2012?			What type of supplier sold/ bartered this product to/with the hh? <i>(see codes below)</i>
			Quantity	Unit	What was the average price per unit?		Quantity	Unit	What was the average price per unit?	
			<i>Enter “0” if none →go to P06</i>	<i>(see codes below)</i>	<i>(ZMK)</i>		<i>Enter “0” if none →go to next product</i>	<i>(see codes below)</i>	<i>(ZMK)</i>	
PURCH		P01	P02	P03	P04	P05	P06	P07	P08	P09
maize grain	1									
commercial maize meal (mealie meal)	2									
maize meal from grinding mill	3									
sweet potatoes - white or yellow-fleshed	4									
sweet potatoes - orange-fleshed	5									
raw cassava	6									
cassava chips	7									
cassava flour	8									

Unit Codes (P03, P07)			
1=90kg bag	6=90kg bag unshelled	12=MEDA	18=boxes
2=50kg bag	7=50kg bag unshelled	13=bunches	19=number
3=25kg bag	8=25kg bag unshelled	14=MUCHUMBU	20=kilogram
4=10kg bag	9=10 kg bag unshelled	15=ka B.P.	23=Pamela/plastic
5=20lt tin	10=20lt tin unshelled	16=crates	
	11=5lt gallon	17=tonnes	

Type of supplier code (P05, P09)	
1=Retail shop/trader/marketeer	7=Commercial farm
2=Other household	8=Employer
3=Government agency/FRA	9=Bakery
4=NGO/faith-based organization/church	10=Supermarket
5=Cooperative	11=Miller
6=Outgrower	12=Other (specify) _____

11.2 We would like to ask you about wild products that members of your household collected for home consumption or use and charcoal produced for home use.

Table 11.2.1: Wild Products & Charcoal*Key variables: CLUSTER, HH, WILD**Reference Period: Beginning of May 2011 to end of April 2012*

Wild products		Did any member of this household collect ... for home use or consumption between 1st May 2011 and 30th April 2012? <i>1=Yes 2=No → go to next wild product</i>	Who provided most of the labour for this activity? <i>(see codes below)</i>	Between 1st May 2011 and 31st October 2011 , what was the total value of the ... consumed or used by the household from own collection ? <i>Enter "0" if did not collect during this period</i> <i>(ZMK)</i>	Between 1st November 2011 and 30th April 2012 , what was the total value of the ... consumed or used by the household from own collection ? <i>Enter "0" if did not collect during this period</i> <i>(ZMK)</i>
WILD		WD01	WD02	WD03	WD04
Fish from lakes/rivers/streams (excluding fish ponds)	1				
Edible ants and caterpillars	2				
Wild fruits	3				
Wild honey	4				
Wild mushrooms	5				
Wild animals and birds (e.g. rodents, small game, other)	6				
Poles and timber	7				
Firewood (excluding charcoal)	8				
Charcoal (produced for home use)	9				
Thatching grass	10				
Fencing grass	11				

Main source of labour (WD02)	
1=Family labour – female adults	5=Hired labour – male adults
2=Family labour – male adults	6=Hired labour – female adults
3=Family labour – male and female adults	7=Hired labour – male and female adults
4=Family labour – children (< 12 years)	8=Hired labour – children (< 12 years)

SECTION 12: MONTHS OF ADEQUATE HOUSEHOLD FOOD PROVISIONS

Enumerator: Tell the respondent that you would now like to ask about the household's food provisions during different months of the year.

12.1 Between May 2011 and April 2012, were there months in which the hh did not have enough food to meet its family's needs? <i>1=Yes 2=No → SECTION 13</i>	HH49	
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12.2 (If yes), which were the months between May 2011 and April 2012 in which the hh did not have enough food to meet its family's needs? (**Enumerator:** Do NOT read the list of months. Simply record a 1=yes for months the household mentioned being without enough food, and 2=no for months not mentioned by the household.)

Table 12.2 Food needs

Key Variables: CLUSTER, HH, MONTH

Reference Period: Beginning of May 2011 to end of April 2012

		<i>Enumerator: Was the household without enough food to meet its needs in this month? 1=Yes 2=No</i>			<i>Enumerator: Was the household without enough food to meet its needs in this month? 1=Yes 2=No</i>
MONTH		FOODNEED	MONTH		FOODNEED
May 2011	1		November 2011	7	
June 2011	2		December 2011	8	
July 2011	3		January 2012	9	
August 2011	4		February 2012	10	
September 2011	5		March 2012	11	
October 2011	6		April 2012	12	

SECTION 13: Kinship ties, tribal groups, migration and inheritance**13.1 Kinship ties to chief or headman in this village / locality***Headman questions*

13.1.1A Is the headman in this village/locality related to the head of this household? <i>1=Yes 2=No → go to 13.1.1C 3=no headman → go to 13.1.1C</i>	HH50A	
13.1.1B (If yes) What exactly is the relationship of the headman to the head of the household? <i>(see codes below)</i>	HH50B	
13.1.1C Is the headman in this village/locality related to the spouse of this household? <i>1=Yes 2=No → go to 13.1.2A 3=no headman → go to 13.1.2A 4=no spouse → go to 13.1.2A</i>	HH50C	
13.1.1D (If yes) What exactly is the relationship of the headman to the spouse of the household? <i>(see codes below)</i>	HH50D	

Chief questions

13.1.2A Is the chief in this village/locality related to the head of this household? <i>1=Yes 2=No → go to 13.1.2C 3=no headman → go to 13.1.2C</i>	HH51A	
13.1.2B (If yes) What exactly is the relationship of the chief to the head of the household? <i>(see codes below)</i>	HH51B	
13.1.2C Is the chief in this village/locality related to the spouse of this household? <i>1=Yes 2=No → go to 13.2.1 3=no headman → go to 13.2.1 4=no spouse → go to 13.2.1</i>	HH51C	
13.1.2D (If yes) What exactly is the relationship of the chief to the spouse of the household? <i>(see codes below)</i>	HH51D	

Codes for relationship of chief or headman to head or spouse – HH50B, HH50D, HH51B, HH51D

1= Spouse 2= Child (own/step) 3= Parent / Parent-in-law 4= Brother / Sister 5= Other relatives 6= head/spouse is the headman/headwoman 7= head/spouse is the chief

13.2 Tribal groups and migration

13.2.1	In which year did the first inhabitants of this village settle in this village/locality ? <i>(-9=do not know) (year)</i>	HH52	
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13.2.2	What is the tribe of the <i>(see codes below)</i> <i>(For polygamous households, ask about the most senior wife)</i>	Current head	HH53A	
		Current spouse <i>(enter -9 if there is no spouse)</i>	HH53B	

Tribe Codes (HH53A, HH53B)

<u>BEMBA-SPEAKING</u>	<u>TONGA-SPEAKING</u>	<u>BAROTSE LANGUAGE GROUP</u>	<u>NYANJA-SPEAKING</u>	<u>TUMBUKA-SPEAKING</u>
13=Ambo	25=Gowa	41=Imilangu	48=Chewa	60=Senga
01=Bemba	22=Ila	37=Koma	53=Chikunda	59=Tumbuka
04=Bisa	20=Lenje	36=Kwandi	52=Kunda	61=Yombe
17=Bwile	24=Sala	35=Kwangwa	50=Ngoni	
06=Chishinga	21=Soli	43=Lozi	49=Nsenga	
09=Kabenda	23=Toka-Leya	34=Luyana Sub-Group	51=Nyanja	
03=Lala	19=Tonga	47=Mashasha		
08=Lamba		42=Mashi		
14=Lima		40=Mwenyi		
18=Luano	<u>NORTHWESTERN GROUP</u>	46=Nkoya	<u>MAMBWE LANGUAGE GROUP</u>	<u>OTHER</u>
02=Lunda (Luapula)	32=Chokwe	38=Nyengo	54=Lungu	63=Kaonde-Ila
12=Mukulu	33=Kaonde Sub-Group	39=Simaa	55=Mambwe	62=Shona
07=Ngumbo	29=Luchazi	45=Subiya	56=Namwanga	
15=Shila	27=Lunda (North-Western)	44=Totela	58=Tambo	64=Other
11=Swaka	26=Luvale		57=Wina	
10=Tabwa	31=Mbowe			
16=Unga	28=Mbunda			
05=Ushi	30=Ndembu			

13.2.3	Is the household head considered local or non-local ? <i>1=Local 2=Non-local</i>	HH54	
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13.2.4a	In what year did the household head settle in this village/locality ? <i>Enter the head's year of birth if the head was born here (year)</i>	HH55a	
13.2.4b	What was the main reason that the household head settled in this village/locality ? <i>(see codes below)</i>	HH55b	
Reason why settled in this village/locality (HH55b)			
<div> <div> 1= Head was born in this area 2= Family/clan hails from this area 3= Worsening weather pattern for farming in previous location 4= Improved farming opportunities (access to farm inputs, market opportunities) 5= Land availability 6= Employment 7= Retirement 8= Followed spouse to that area </div> <div> 9= Followed relatives who settled here 10= Land disputes in previous location 11= Inherited land/assets 12= Displacement 13= Better infrastructure access (health centres, schools, electricity) 14= Illness 15=Other (specify) _____ </div> </div>			

Type of inheritance received <i>(Enumerator: If there were multiple inheritances for land or cattle, please list all of them)</i> 1=Land 2=Cattle		In which year was this inheritance received? <i>(Enumerator: If there were multiple inheritances, please list each year received)</i>	What was the area of land or number of cattle that was received?	
			Quantity	Unit <i>1=lima</i> <i>2=acre</i> <i>3=hectare</i>
INHERIT		IH01	IH02	IH03

SECTION 14 – Previous deaths**14.1 We would like to ask about deaths within the household (since May 2008).**

14.1 Since **May 2008** has there been **anyone** - child or adult member of the household - who died? *I=Yes 2=No → go to SECTION 15*

HH63

Please tell us about them starting from the most recent.

Table 14.1.1 Deaths within the household*Key variables: CLUSTER, HH, PDCODE**Reference Period: Since May 2008*

ID	Write the Name	What was the sex of the deceased? <i>1=Male 2=Female</i>	In which year did die? <i>Enter year e.g., 2009</i>	In which month did die? <i>1=Jan 2=Feb 3=Mar 4=April 5=May 6=June 7=July 8=Aug 9=Sept 10=Oct 11=Nov 12=Dec</i>	In which year was born? <i>Enter year e.g., 1999</i>	Was the household head at the time of his/her death? <i>1=Yes → go to PD07 2=No</i>	Was the spouse to the household head at the time of his/her death? <i>1=Yes 2=No</i>	<i>(Enumerator: Ask only for members who died between May 2011 & April 2012 & year of birth (PD04) is 2000 or earlier (i.e., age was 12 and above)).</i>			
								Salary, wage, and pension income		Formal and informal business	
								Did receive cash or payment in kind from salaried employment, wage activities, or pensions between May 2011 & April 2012 ? <i>1=Yes 2=No → go to PD09</i>	<i>(If PD07 = 1 (Yes))</i> What was the total earned (both cash and in-kind) from employment by between May 2011 and April 2012 before his/her death? <i>(ZMK)</i>	Did receive cash or payment in-kind from a formal or informal business activity between May 2011 & April 2012 ? <i>1=Yes 2=No → go to next member</i>	<i>(If PD09 = 1 (Yes))</i> What was the total earned (both cash and in-kind) from employment by between May 2011 and April 2012 before his/her death? <i>(ZMK)</i>
PDCODE	NAME	PD01	PD02	PD03	PD04	PD05	PD06	PD07	PD08	PD09	PD10
1											
2											
3											
4											
5											
6											
7											
8											

SECTION 15 – Building materials for the main house

Enumerator: Observe the household's main house and record the materials that it is made of.

15.1	Roof	<i>1=grass thatched 2=iron sheet 3=roofing tile 4=concrete 5=cardboard 6=asbestos 7=other (specify) _____</i>	HH64	
15.2	Walls	<i>1=mud/unburnt bricks 2=burned bricks/cement bricks/stone 3=wood 4=iron sheet 5=grass 6=other (specify) _____</i>	HH65	
15.3	Floor	<i>1=cement 2=earth/mud 3=ceramic tiles 4=wooden 5=other (specify) _____</i>	HH66	

END INTERVIEW - THANK THE RESPONDENT FOR PARTICIPATING IN THE SURVEY