



Strictly Confidential

**REPUBLIC OF ZAMBIA**  
**Central Statistical Office**  
**2015 Rural Agricultural Livelihoods Survey (RALS15)**

**Informed Consent Form**

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 IAPRI about this survey, you may contact Mr. Chance Kabaghe at +260 211 261 194/97.

1.	Province	PROV		
2.	District	DIST		
3.	Cluster Number	CLUSTER		
4.	Household Serial Number	HH		
5.	Interviewer: Explain the Informed Consent Form and then click on "Yes" that the respondent understands the form. 1= Yes 2= No			CONSENT
6a.	Is "name of head in 2012" still correct for this household?	1= Yes → go to 7a 2= No	HH_Head_Chk	
6b.	Current name of Household Head (if changed)	NAME15		

7a.	(Enum: Is the respondent the head?)	1= Yes → go to 8a 2= No	Resp_Chk	
7b.	Current name of Main respondent (if different from head) (Enum: respondent must be a household member)	RESP15		

8a.	Is "name of locality/village" correct?	1= Yes → go to 9 2= No	Vil_Chk	
8b.	Enter correct name of the locality/village	VIL15		

9.	Is this area a resettlement area?	1= Yes 2= No	RESETTLE	
10.	Who is the Chief in this area?	(Select name from dropdown box)	CHIEF	
10.a.	If the choice was 999 (Other (specify)), please write either "None" if no chief, or write the name of the chief. CHIEF_OTH			

11.	GPS Coordinates:	S_DD_new	Decimal degrees	<input type="text"/>	.	<input type="text"/>				
		E_DD_new	Decimal degrees	0	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

12a.	Is the cellphone that the respondent has access to "xxxxxxxx" correct?	1= Yes → go to Q.12c 2= No	CP_Chk	
12b.	Cell phone number of the main respondent (if changed) (Enumerator: record the best phone number at which to reach the main respondent)	CELLPHONE15		
12c.	Is the household in the same location as it was in June/July 2012?	1= Yes → go to Q.13 2= No	SAMELOC	
12d.	Interviewer: Is the household still located within the SEA boundary?	1= Yes 2= No	SAMESEA	
13.	RESPONSE STATUS 1=Complete 2=Refusal 3= Non-contact 4=HH moved out of SEA 5=HH dissolved			RSTATUS

14.	ASSIGNMENT RECORD			
	a. Name of Enumerator		ENCODE	
	b. Name of Supervisor		SPCODE	
		Date of Interview - Beginning	Click on the button to insert date and time	GET TIME

**SECTION 1: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS**

**1.1 Tell us about each of the members who were listed during the 2012 survey. Indicate if they are still a member in this household between May 2014 and April 2015. If this household is part of a polygamous family, ask only about the household members at this particular household. (Members from previous survey will be filled.) Names will be displayed of the members listed in 2012. Ask about each member. Number of members: xx. Add any new members to the table who joined during the reference period.**

**Table 1.1 Demographic Characteristics of Members** Key variables: CLUSTER, HH, MEM Reference Period: Beginning of May 2014 to end of April 2015

		(Ask of members from 2012)					New mem								(Ask if born before 2004)	2013/14 growing season (Oct 2013 to April 2014) and born before 2004		
ID	Name <i>(Enumerator: All members listed in 2012 are included below. Ask about each of these members. Insert the corrected name if it is not spelled correctly. Add new member names here.)</i>	Was this person a member from the beginning of May 2014 to the end of April 2015? <i>1=Yes -&gt; Go to DA00c 2=No</i>	(Ask if DA00a =2 and old member) What is the main reason .... went away from the household? <i>(See codes below)</i>	<b>Between May 2014 and April 2015, in how many months has .... been away from the household?</b> <i>(Enter 12 if left before May 2014)</i>	(if DA00a = 2) Is the move permanent or temporary? <i>1=permanent move to urban area 2=permanent move to rural area 3=temporary move to urban area 4=temporary move to rural area 5=permanent move outside country 6=temporary move outside country If DA00c = 12 months -&gt; go to next HH member</i>	(New members only) Why did this new member join the household since the past survey? <i>(See code below)</i>	The year of birth is displayed. Ask the respondent to confirm the correct year this person was born. <i>In which year was ..... born? Enter the year again even if it is correct.</i>	What is the sex of ....? <i>1=male 2=female (The entered value will be compared to 2012 for confirmation.)</i>	What is the relationship of .... to the current head? <i>(see code below)</i>	(Ask if born before 2004) 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) (if born after 2003, go to next member)</i>	<b>Between May 2014 and April 2015, was .... chronically ill/disabled and unable to perform household duties for at least three (3) months?</b> <i>1= Yes 2= No -&gt; go to next mem</i>	(Ask if DA08= yes) When did .... first become ill/disabled? <i>?</i>	Was this person a household member in the 2013/14 growing season (Oct 2013 to April 2014)? <i>1=Yes 2=No -&gt; go to next member</i>	How many labor days did this person contribute to this household's farm in the 2013/14 growing season: <i>1=none at all -&gt; go to next member; 2=less than 20 days; 3=more than 20 days</i>	Between Oct. 2013 and Apr. 2014, did this person contribute more labor days to work on this farm, or more to other activities off of this farm? <i>1=more to this farm; 2=more to other activities 3=about equal</i>	
MEM	NAME	DA00a	DA00b	DA00c	DA00d	DA00e	2012	DA01	DA02	DA03	DA04	DA05	DA06	DA08	DA09	DA07_0	DA07a	DA07b
1	SURNAME FIRST NAME						0000											
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		

Reasons not a member (DA00b)		Reason new member joined (DA00e)			Relation to head (DA03)	Marital Status (DA04)	Education levels (DA06)			Ill/disabled (DA09)
1=left to find a job 2=separated 3=married away 4=deceased 5=divorced 6=living with relatives 7=established own hh	8=never was a member or not known by hh 9=left with mother/father 10=to attend school 11=hired worker left 12=other (specify) _____	1=married into the family 2=returned to help with activities 3=returned because he/she is sick 4=hh member missed in past survey 5=lost parents 6=fostered 7=widowed/divorced/separated 8=to go to school	9=old age/need help 10=worker 11=followed parent 12=visited & stayed 13=inherited brother's wife 14=other (specify) _____ 15=new baby	1= head 2= spouse 3= child (own/step) 4= parent/parent-in-law 5= brother / sister 6= other relatives 7= unrelated	1 = never married 2 = monogamously 3 = polygamously married 4 = divorced 5 = widowed 6 = separated 7 = cohabit	00=None 01=Sub-standard A; 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 09=Form 2; Grade 9 10=Form 3; Grade 10 11= Form 4; Grade 11 12= Form 5; Grade 12	13= Form 6 Lower 14= Form 6 Upper 15= College Student 16=Undergraduate student 17=Certificate/Diploma 18= Bachelors Degree 19= Masters degree & above	1=Before October 2013 2=October-December 2013 3=January-March 2014 4=April-June 2014 5=July-September 2014 6=October-December 2014 7=January-April 2015	

Record the respondent number by picking from the dropdown box.

1.1.1.0a	Select the member number of the respondent.	RESP_MEM	
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1.1.1	<b>Enumerator:</b> Is the head of this household <b>polygamously married</b> ? The program will check and if the head is polygamous these questions will be available. Otherwise go to 1.1.2 <i>1=Yes 2=No → go to Q1.1.2</i>	HH01a	
1.1.1.1	(If [1.1.1] = yes, ask) How many <b>wives in total</b> are there in the <b>polygamous marriage</b> ?	Number	HH01b
1.1.1.2	How <b>many</b> of these wives <b>live at this homestead</b> ?	Number	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 2014 and April 2015, who was the **main person** responsible for **day-to-day decision-making** in the household? **Enumerator:** select the household MEM from the dropdown box

HH02a	HH02b
MEM:	Name:

Enum: The next question will not be available if there is only one adult (born before 2006) in the household.

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 2014 and April 2015?

**Enumerator:** select the household MEM number from dropdown box.

HH03a	HH03b
MEM:	Name:

1.2. Household head’s Parents’ history

INTERVIEWER: If any of the parent/guardian is deceased or retired, ask in PAST TENSE.

Code	Is the head’s father/guardian (mother/guardian) still alive? <i>1=Yes 2=No 3=Don’t know</i>	Interviewer: If Alive, Dead or Retired What is/was the primary occupation of the head’s father (mother)? <i>1=Full-time farming 2=Self-employed non-agricultural 3=Private Sector wage earner 4=Public Sector/civil servant 5=Other (specify) _____ 6=Don’t know</i>	What is/was the highest level of formal education.... completed? <i>(see codes below)</i>	What major role did your father (mother) play in the community?	Approximately how much land is/was owned by the head’s father (mother)? (estimate if don’t know)	
					Quantity	Unit <i>1= Lima 3=Hectare 2=Acre 4= Sq. meters</i>
PG00	PG01	PG02	PG03	PG04	PG05	PG06
Father/guardian	1					
Mother/guardian	2					
Jointly/guardian	3					

Education levels (PG03)						Major role (PG04)	
-9=Do not know	02=Standard 1; Grade 2	06=Standard 5; Grade 6	10=Form 3; Grade 10	13= Form 6 Lower	17=Certificate/Diploma	1=None	5=Religious leader
00=None	03=Standard 2; Grade 3	07=Standard 6; Grade 7	11= Form 4; Grade 11	14= Form 6 Upper	18= Bachelors Degree	2=Chief/Chieftainess	6=Community school teacher
01=Sub-standard A; Grade 1	04=Standard 3; Grade 4	08=Form 1; Grade 8	12= Form 5; Grade12	15= College Student	19= Masters degree & above	3=Headman/ Headwoman/ Advisor to the chief	/ health/ extension worker
02=Sub-standard B; Grade 1	05=Standard 4; Grade 5	09=Form 2; Grade 9		16=Undergraduate student		4=Chairperson of a village committee/ association/ cooperative	7=Other (specify) _____

**SECTION 2: FARM LAND AND USE**

**2.1 Interviewer:** Tell the respondent that we would like to know about the household farmland and use during the 2013/2014 agricultural season. The steps to gather this information are:  
 1. First ask for all crops that were grown by the household in the 2013/14 agricultural season and then any other fields asking for each type of field. 2. Then ask “in how many fields” each of the crops were grown. 3. Sketch ALL fields that were cultivated (including rented in/borrowed in), rented-out or borrowed-out, the other land uses and land cultivated/managed on behalf of an absentee owner. 4. Fill in the All Fields Table with the number of fields in each category. 5. Sequentially number the plots following the instructions from the enumerator manual. For cropped fields, pure stand cassava fields are numbered last. 6. Label (in words) on the sketch the land use of each field. 7. Write the crops and the area for each crop in each of the fields. If the field has vegetables or fruits, write those on the sketch as well. Record the year and month of planting, if it is a cassava field.

**Table 2.1 All fields**

Key Variables: CLUSTER, HH, FIELDTP

Reference Period: 2013/2014 agricultural season (1<sup>st</sup> October 2013 – 30<sup>th</sup> September 2014)

SKETCH ALL THE FIELDS and list crops within each cultivated field. (Follow instructions in manual.)

Types of fields	During the 2013/2014 agricultural season did the household have any .....? 1=Yes 2=No → go to next field type	How many ..... did the hh have?	
	fieldtp	usefield	numfld
<b>Cultivated/Cropped fields</b>			
Own cropped fields	1		
Rented in cropped fields (cash/in-kind payments)	2		
Borrowed in cropped fields (without payment)	3		
<b>Other fields</b>			
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		
Personal Woodlot (not communal land)	10		
<b>Land cultivated / managed on behalf of an absentee owner</b>			
Fields <b>cultivated</b> on behalf of an absentee owner (household farms the fields but <b>cannot keep/sell most of the produce</b> )	12		
Other land <b>managed</b> on behalf of an absentee owner	13		
If household has other types not included above specify:			
Other (specify) _____	11		

2.2 The sketch shows that this household has \_\_\_\_\_ fields. Please tell us about each of those fields including fields cultivated or managed on behalf of absentee owners. **Enumerator:** Tick if the household has indicated it has at least one field. If no fields, then go to **SECTION 2.9**

**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: 2013/14 agricultural season

Field ID	<b>Enumerator:</b> What is the land-use of this field? Transfer land use from the field sketch.		<b>Enumerator:</b> What is the area of this field? Transfer the area from the sketch.		What is the distance of this field from the homestead		Who primarily decided how to use this field?  (if a current member, select name from drop-down box) (see codes below)	What is the tenure status of this field?  1=state land titled – title already given 2= state land titled – title still being processed 3=state land (not titled) 4=former customary land titled (title already given) 5=former customary land titled (title still being processed) 6=customary no title 7=chief certificate 8=I don't know (for F01=12 or 13 only) 9=other (specify) _____  (If F01 = 12 or 13 → go to next field)	Ask remaining questions for F01 < 11 only. Do not ask for absentee owner fields (F01=12 and F01=13).								
	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 personal woodlot 11=other (specify) _____ 12=absentee cultivate 13=absentee manage	Area of field	Unit	Distance (record quantity with respect to number of kms or how long it takes to walk in minutes)	Unit			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 crop or use did the hh put this field to in the 2012/13 agricultural season (2 seasons ago)?  (see crop/use codes below)	How was the crop/field residue from this field from the 2012/13 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 (2014/15)?  (see crop/use codes below)
FIELD	F01	F02	F03	F03a	F03b	F04	F05	F06	F07	F08	F09	F10	F11	F13	F14	F15	F12
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	

Primary Decision (F04)	Field acquired from (F07)		Soil Man. codes (F11)	Crop code or Use Codes (F13, F15)				Crop residue use (F14)
1=Current member of the hh – please select member (F04a) 8=Non-hh male relative 9=Non-hh female relative 10=Non-hh male non-relative 11=Non-hh female non-relative 13=Other (specify)	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=Tree belts 8=Ditches 9=Other (specify)	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 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 51=Don't know/Not available 52=Did not borrow/rent in/use field	64=Pigeon peas 66=Sesame seed	1=Left in field then plowed/ incorporated into field 2=Left in the field and grazed by animals 3=Burned on field 4=Cut & spread on the field 5=Cut & removed from field & fed to animals 6=Cut & removed from field For other household use 7=New field, cleared later 8=Left in field or did, nothing

**2.2a Enumerator:** *If F12=1 (yes) in table 2.2.1 please ask the respondent about the trees in the field (These questions will appear after F12 in the program.)*

**Table 2.2a Agroforestry**      *Key Variables: CLUSTER, HH, FIELD*      *Reference Period: 2013/14 agricultural season*

Field ID	What is the main tree/shrub species in this field?	How many trees/shrubs did you initially plant in this field? <i>(If both sum the two)</i>	How many trees/shrubs are currently in this field? (including border) <i>(Enter ' -99' if not sure)</i>	What is the main reason for the lack of survival of some trees/shrubs?  <i>1=Fire 2=Eaten by animals 3=Ploughed over 4=Lack of water 5=Not sure 6=Not applicable (all trees/shrubs have survived) 7=Other (specify) _____</i>	In what year did you plant most of the trees/shrubs in this field? <i>(Enter -9 if hh did not plant any trees/shrubs)</i>	How many trees or shrubs were planted in the past year in this field? <i>(including border)</i>		Did you obtain mainly seedlings or seeds for these trees/shrubs?  <i>1=Seedlings 2=Seeds</i>	From what source did you obtain these seeds/seedlings?  <i>1=Relative 2=Neighbour 3=Project/NGO 4=Government extension 5=Private nursery 6=Other (specify)</i>	If received seed (AFL08=2), did you plant the seed in a nursery or did you plant the seed directly in the field?  <i>1=Nursery 2=Direct planting</i>
						Trees	Shrubs			
FIELD	AFL01	AFL02	AFL03	AFL04	AFL05	AFL06	AFL07	AFL08	AFL09	AFL10

Main tree species (AFL01)
<i>1= Faidherbia albida (Musangu)</i>
<i>2=Gliricidia sepium</i>
<i>3=Sesbania sesban</i>
<i>4=Tephrosia vogelii (ububa)</i>
<i>5=Mpundu tree</i>
<i>6=Jatropha</i>
<i>7=Nyamundalo</i>
<i>8=Acacia</i>
<i>9=Musekese</i>
<i>10=Lukina(Leucaena)</i>
<i>11=Moringa (zakalanda)</i>
<i>12=Masau</i>
<i>13=Mulubeni</i>
<i>14=Fruit trees</i>
<i>15=Other (specify) _____</i>

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, FIELD

Reference period: 2013/2014 Agricultural Season

Field ID (enter appropriate field number from Tbl 2.2.1 F01 = 1, 2, or 3) (see codes below)	What main crop or use did the hh put this field to in 2013/14? (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 types of tillage methods were used in this field?  List up to three, starting with the most important method first then the second most important and then the third most important.  (see codes below)			On what percentage of the field did you use the tillage methods indicated in FL04a to FL04c  (Record the response on the scale of 0 to 100. If only one method was used, enter 100 in FL04d, and then go to FL05)			What was the main type and source of power used for the main type of tillage?  (see codes below)	When was most of the main tillage method done?  1=Before the rains 2=During the rainy season	How many weeks after planting did the hh finish the 1 <sup>st</sup> weeding (manually or with herbicide)?  Enter “0” if < 1 week Enter “-9” if did not weed → go to FL10	How many complete weedings (manual or with herbicide) 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 plant manure/compost to the field?  0=None 1=Yes, animal manure 2=Yes, plant manure/compost 3=both	What type and quantity of basal dressing fertiliser did the hh apply?		How many weeks after planting did the hh apply basal dressing fertiliser?		What type and quantity of top dressing fertiliser did the hh apply?		How many weeks after planting did the hh apply top dressing fertiliser?  (Enter “0” if < 1 week limit to maize monocrop fields only)	How many crops were in this field?	
				Type  (see codes below)  If “0” → go to FL15	Amount & Unit	Type  (see codes below)  If “0” → go to next field	Amount & Unit	Type  (see codes below)  If “0” → go to next field	Amount & Unit																	
FIELD	FL01	FL02	FL03	FL04a	FL04b	FL04c	FL04d	FL04e	FL04f	FL05	FL06	FL07	FL08	FL09	FL10	FL11	FL12	FL13	FL14/a	FL14b	FL15	FL16/a	FL16b	FL17		

Crop code (FL01)			Main Tillage (FL04a,b,c)			Type & source of power for tillage (FL05)			Fertiliser codes (FL13, FL15)			
1 = Maize	11 = Burley tobacco	20 = Cashew nut	1 = Conventional hand hoeing	1=Manual household labour	0 = None	9 =Wonder (foliar)						
2 = Sorghum	12 = Mixed beans	22 = Paprika	2 = Planting basins (potholes)	2=Manual hired labour	1 = Compound D	10=Vegetative (foliar)						
3 = Rice	13 = Bambara nuts	60 = Popcorn	3 = Zero tillage excluding chitemene	3=Own animals with HH labour	2 = Compound X	11=Urea						
4 = Millet	14 = Cowpeas	61 = Sugarcane	4 = Ploughing	4=Own animals with hired labour	3 = Compound S	12=Ammonium Nitrate						
5 = Sunflower	15 = Velvet beans	64=Pigeon peas	5 = Ripping	5=Hired/borrowed animals with HH labour	4 = Triple Super Phosphate (TSP)	13=CAN						
6 = Groundnuts	16 = Coffee	66=Sesame	6 = Ridging (before planting)	6=Hired/borrowed animals with hired labour	5 = Single Super Phosphate (SSP)	14=Allwin top						
7 = Soya beans	17 = Sweet potato – white or yellow-fleshed		7 = Bunding	7=Own mechanical with HH labour	6 = Compound R	15=Flower&Plant (foliar)						
8 = Seed cotton	57 = Sweet potato – orange-fleshed		8 = Mounding	8=Own mechanical with hired labour	7 = Compound WV	16=Compound B						
9 = Irish potato	18 = Cassava	21 = Other crop (specify)	9= Did not till (broadcasted seed)	9=Hired/borrowed mechanical with HH labour	8 = Di-grow (foliar)	17=Do not know						
10 = Virginia tobacco	19 = Kenaf		10= No other tillage method	10=Hired/borrowed mechanical with hired labour		18=Solubar						
				11=None								

**2.4. Crop Management – Planting And Harvesting** (all cropped fields in **MONO** or **CROP MIXTURE**). **EXCLUDE** gardens, fallow fields, and virgin land.

**Enumerator:** Transfer field numbers from Table 2.3.1 (p. 9) . Also, transfer crop and area from the sketch (page 6) into CROP, CM01 CM02. Ask the following questions for all the fields the household planted as MIXED CROPS in the 2013/14 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 Crop Mixture** Key Variables: CLUSTER, HH, FIELD, CROP

Reference Period: The 2013/2014 Agricultural Season

All crops				Crops other than Cassava										Cassava only (planting open, harvest is 14/15 ag season)							
Field ID	Crop Code	Transfer Area under each crop from the sketch		What portion of the area planted was harvested?		(Ask if area harvested <> area planted) What is the main reason for not harvesting the whole area planted? (see codes below)	What main seed variety did the hh use for the first planting? (see codes on the opposite page)	What total quantity of all varieties of seed, tubers, or vines did the hh plant for the first planting? (Do not ask for tobacco)		When did the hh finish the first planting of this crop?		Did the hh replant any part of this field? I=Yes 2=No	How much of this crop did the hh harvest from this field? (Enter total combined harvest if crop grown more than once on this field during the reference period.)		How many times did the HH grow this crop in this field during the 2013/14 agricultural season? (Number of crop cycles)	What main variety of cassava was planted in this field?	What was the main source of the cassava cuttings planted in this field? (see codes below)	When did the hh plant most of this field?		Was the cassava in this field mature between 1st May 2014 and 30th April 2015? I=Yes 2=No	If yes, how many 50 kg bags of raw cassava could the hh have harvested from this field if it had decided to harvest the entire field? (Number of 50 kg bags)
		Area planted	Unit	Area harvested	Unit			Quantity planted	Unit	Month	Week		Quantity harvested	Unit				Year	Month		
FIELD	CROP	CM01	CM02	CM03	CM04	CM06	CM07	CM09	CM10	CM11	CM12	CM13	CM14	CM15	CM16	CS01	CS02	CS04a	CS04b	CS05	CS06

Crop code (CROP)			Reason for not harvesting total planted area (CM06)			Unit Code (CM10, CM15)			Month (CM11, CS04b)		Cassava variety CS01
1 = Maize	12 = Mixed beans	22 = Paprika	1 = water logging	12= received bad advice	1=90 kg bag	12=MEDA	1=January	1 = Chila			
2 = Sorghum	13 = Bambara nuts	60 = Popcorn	2 = wilting due to drought	13= not enough labour	2=50kg bag	13=bunches	2=February	2 = Mweru			
3 = Rice	14 = Cowpeas	61 = Sugarcane	3 = animal/bird destruction	14= failed germination due to drought	3=25kg bag	14=MUCHUMBU	3=March	3 = Kapumba			
4 = Millet	15 = Velvet beans	64=Pigeon Peas	4 = field not weeded, weeded late	15= failed germination due to bad seed	4=10kg bag	15=ka B.P.	4=April	4 = Nalumino			
5 = Sunflower	16 = Coffee	66=Sesame	5 = pests and diseases	16= low productivity after germination	5=20lt tin	16=crates	5=May	5 = Manyopola			
6 = Groundnuts	17 = Sweet potato – white or yellow-fleshed		6 = fire	due to bad seed	6=90kg bag unshelled	17 tonnes	6=June	6 = Bangweulu			
7 = Soybeans	57 = Sweet potato – orange-fleshed		7 = theft	17= planted late	7=50kg bag unshelled	18=boxes	7=July	7 = Improved other			
8 = Seed cotton	18 = Cassava		8 = floods, heavy rain	18= eaten fresh	8=25kg bag unshelled	19=number/cuttings/seedlings	8=August	8 = Local variety			
9 = Irish potato	19 = Kenaf		9 = soils generally bad	19 = witch weed / striga	9=10 kg bag unshelled	20=kilogram	9=September	9 = Kampolombo			
10 = Virginia tobacco	20 = Cashew nut		10=lack of fertiliser	20 = do not know	10=20lt tin unshelled	21=cup	10=October	10=Tanganyika			
11 = Burley tobacco	21 = Other (specify) _____		11= lack management experience	21= other (specify) _____	11=5lt gallon	22=meda unshelled	11=November	11=Kariba			
						23=ka B.P. unshelled	12=December				

Source of cassava cuttings (CS02)			
1=Private retailer/agro-dealer at boma	10=Local seed producer	19=ADRA (Adventist Development & Relief Agency)	28=GART (Golden Valley Agricultural Research Trust)
4=Govt Food Security Pack	11=Cooperative/farmer group	20=Caritas	29=On-farm trial
	12= Friends or relatives	21=Eastern Province Farmers' Cooperative	30=Ministry of Agriculture & Livestock extension worker
6=Another farmer	14=COMACO (Community Markets for Conserv.)	22=Chipata District Association	31=Extension demonstration field / farmer field day
7=Own harvest	15=WCS (Wildlife Conservation Society)	24=CIP (International Potato Center)	32=Conservation Farming Unit (CFU)
8=Out-grower	16=CODEP (Community Development Project)	25=ICRISAT (Intern'l Crops Research for the Semi-Arid Tropics)	
9=Private retailer/agro-dealer outside boma	17=World Vision	26=IITA (International Institute of Tropical Agriculture)	
	18=Self Help Africa	27=ZARI (Zambia Agriculture Research Institute)	
			33=Other (specify) _____
			34=Zamseed
			35=Pioneer
			36=SeedCo
			37=Paneer
			38=MRI/Syngenta
			39=Klein Karoo

**2.5. 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 (2013/2014 agricultural season). Make sure that crop sales include payments made with crops in exchange for labour and other services.

**Table 2.5 Crop Sales**

Key Variables: CLUSTER, HH, CROPSTK

Reference Period: Marketing season: 1<sup>st</sup> May 2014 – 30<sup>th</sup> April 2015

Field number	Crop codes <i>Crop will automatically be identified if the household harvested this crop</i>	Did the HH sell or barter any of this crop between May 2014 and April 2015? <i>1=Yes 2=No</i>	Who primarily decided whether or not to sell/barter this crop? <i>(see codes below) (if S01 = 2 → go to next crop) (if a current member, select name from drop-down box)</i>	What is the TOTAL quantity of this crop that the HH sold for cash and/or bartered for goods and/or labour from May 2014 to April 2015?		Ask the following questions for the <u>largest cash/barter transaction</u>											
				TOTAL quantity sold/ bartered	Unit <i>(see codes below)</i>	What quantity did the household sell/barter for the <u>largest</u> transaction?		When did the household sell/barter?	To whom did the hh sell/barter this crop? <i>(see codes below)</i>	How far was the point of sale from the hh's homestead? <i>(1 mile=1.6 km)  Enter 0 if at homestead. If "0" → go to S09A (km)</i>	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? <i>(enter -9 if the transaction was bartered)</i>		How many months was it before the hh received payment? <i>Enter "0" if paid within 1 month.  Enter "-9" if not yet paid  Enter "-8" if paid prior to harvest</i>	Who primarily decided how revenue from this sale was or will be used?  <i>(see codes below) (if a current member, select name from drop-down box)</i>	
						Quantity sold/ bartered – largest transaction	Unit <i>(see codes below)</i>				Year 1=2014 2=2015	Month <i>(see codes below)</i>	Transport cost per unit (ZMW)	Unit <i>(see codes below)</i>			Price (ZMW)
FIELD	CROP	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	16 = Coffee	1=90kg bag	11=5lt gallon	1=Current member of the hh – please select member	1 = January	1 = Small-scale trader	9 = Directly to miller/processor		
3 = Rice	17 = Sweet potato - white or yellow fleshed	2=50kg bag	12=meda	8=Non-hh male relative	2 = February	2 = Large-scale trader/wholesaler	(delivered to mill/processor gate)		
4 = Millet	57 = Sweet potato - orange fleshed	3=25kg bag	13=bunches	9=Non-hh female relative	3 = March	3 = Retailer/marketeer	10 = To miller/processor through agent or designated buying point		
5 = Sunflower	19 = Kenaf	4=10kg bag	14=muchumbu	10=Non-hh male non-relative	4 = April	4 = Other households (for consumption)	11 = Out grower		
6 = Groundnuts	20 = Cashew nut	5=20lt tin	15=ka B.P.	11=Non-hh female non-relative	5 = May	5 = Direct sale to FRA	12 = COMACO (Community Markets for Conservation)		
7 = Soybeans	22 = Paprika	6=90kg bag unshelled	16=crates	13=Other (specify)	6 = June	6 = Sale to FRA through a coop	13 = Schools, hospitals or health centres		
8 = Seed cotton	60 = Popcorn	7=50kg bag unshelled	17=tonnes		7 = July	7 = NGO/faith-based organization/church	14 = Other (specify) _____		
9 = Irish potatoes	61 = Sugarcane	8=25kg bag unshelled	18=boxes		8 = August	8 = Cooperative (not destined for FRA)	15=AFGRI		
10=Virginia tobacco	64 = Pigeon peas	9=10 kg bag unshelled	19=number		9 = September		16=Export Trading Group		
11=Burley tobacco	66 = Sesame	10=20lt tin unshelled	20=kilogram		10 = October		17=Amatheon		
12=Mixed beans	21 = Other crop (specify)				11 = November				
13 = Bambara nuts					12 = December				
14 = Cowpeas									
15 = Velvet beans									

**SECTION 3: CROP SALES FROM OWN PRODUCTION for Maize and Cassava (1<sup>st</sup> of May 2014 to end of April 2015 Marketing Season)**

**3.1 Maize sales** *Enumerator: These questions and table will be available if the household grew maize.*

3.1.1a	<b>Enumerator:</b> Look on the sketch on page 6. Did the household have any <b>maize</b> fields in the 2013/14 agric. season? 1=Yes 2=No →go to 3.2 (next page)	HH11a	
3.1.1b	Between 1 <sup>st</sup> May 2014 and 30 <sup>th</sup> April 2015 did the household <b>sell or barter</b> any <b>maize</b> from its <b>own production</b> in the 2013/14 agricultural season? 1=Yes 2=No	HH11b	
3.1.2	<b>Who primarily decided</b> whether or not to <b>sell/barter maize</b> ? (see codes below) (if a current member, select name from drop-down box) (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 1 <sup>st</sup> of May 2014 to end of April 2015)? (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 (2013/14) harvest. This, therefore, refers to maize that your household sold from about the 1<sup>st</sup> of May 2014 up to end of April 2015.

**Table 3.1.4 Households selling maize** Key Variables: CLUSTER, HH, MZTRANS Reference Period: Marketing Season Beginning of May 2014 to end of April 2015

Maize sale transaction number	For transaction ... which year did your household sell or barter this maize? <i>1=2014 2=2015</i>	In what month did your household sell/barter this maize? <i>(see codes below)</i>	For this transaction how much maize did your household sell/barter?		To whom did your household sell/barter this maize? <i>(see codes below)</i>	How far was the point of sale from the hh's homestead? <i>(1 mile=1.6 kilometer)</i>  <i>Enter 0 if at homestead.</i>  <i>If "0" → go to MS09</i>  <i>(km)</i>	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? <i>1=cash sale 2=barter</i>  <i>If = 2 (barter) → go to MS12</i>	What was the price per unit for the cash transaction? <i>(Try to use same unit as MS04)</i>		How many months was it before the hh received payment (cash or in-kind)? <i>Enter "0" if paid within 1 month.</i>  <i>Enter "-9" if not yet paid</i>  <i>Enter "-8" if paid prior to harvest</i>	Who primarily decided how revenue from this sale was or will be used?  <i>(see codes below)</i> <i>(if a current member, select name from drop-down box)</i>
			Quantity	Unit <i>(see codes below)</i>			Transport cost per unit <i>(ZMW)</i>	Unit <i>(see codes below)</i>		Price per unit <i>(ZMW)</i>	Unit <i>(see codes below)</i>		
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 2=50kg bag 3=25kg bag 4=10kg bag 5=20lt tin 11=5lt gallon 12=MEDA 17=tonnes 20=kilogram	1 = January 7 = July 2 = February 8 = August 3 = March 9 = September 4 = April 10 = October 5 = May 11 = November 6 = June 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/processor (delivered to mill/processor gate) 10 = To miller/processor through agent or designated buying point 11 = Out grower 12 = COMACO (Community Markets for Conservation) 13 = Schools, hospitals or health centres 14 = Other (specify) _____	15=AFGRI 16=Export Trading Group 17=Amatheon	1=Current member of the hh – please select member 8=Non-hh male relative 9=Non-hh female relative 10=Non-hh male non-relative 11=Non-hh female non-relative 13=Other (specify)

**3.2. Cassava Sales**

We now want to ask about your household’s cassava sales. *Enumerator: These questions and table will be available if the household grew cassava.*

3.2.1a <b>Enumerator:</b> Check the sketch on page 6. Did the household have any cassava fields during the 2013/14 agricultural season?	I=Yes 2=No → go to next page Q3.3	HH21A
3.2.1b Did the household <b>sell any cassava (raw, cassava chips, or cassava flour)</b> from the beginning of May 2014 to the end of April 2015?	I=Yes 2=No	HH21B
3.2.1c (If HH21B=2, ask) Who <b>primarily decided whether or not to sell any cassava?</b> (see codes below table) <i>(if a current member, select name from drop-down box)</i>	If HH21b = 2 → go to next page Q3.3	HH21C

**Table 3.2.2 Cassava Sales from Own Production.** Key Variables CLUSTER, HH, CROPC Reference period: Beginning of May 2014 to the end of April 2015

Cassava form	Between 1st May 2014 and 30th April 2015, did the HH sell or exchange any ....?  I=Yes 2=No → go to next cassava form	What is the total quantity of ... the HH sold for cash and/or bartered for goods and/or labour from May 2014 to April 2015?		Ask the following questions for the <b>LARGEST</b> cash/barter transaction									
		Quantity sold/ Bartered	Unit (see codes below)	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)</i>  <i>(km)</i>	Who primarily decides how revenue from this sale was or will be used?  <i>(see codes below)</i> <i>(if a current member, select name from drop-down box)</i>	
				Year	Month (see codes below)	Quantity sold/ bartered	Unit (see codes below)	Price ZMW	Unit (see codes below)				
	CROPC	CSS01	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, 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) _____ 15=AFGRI 16=Export Trading Group 17=Amatheon	1=Current member of the hh – please select member 8=Non-hh male relative 9=Non-hh female relative 10=Non-hh male non-relative 11=Non-hh female non-relative 13=Other (specify)

**3.3 Fruit and Vegetable Production and Sales**

3.3.1b Did this household produce any fruits (orchard or other) and/or vegetables from the beginning of May 2014 to the end of April 2015? <i>SECTION 4, next page</i>	<i>I = Yes 2 = No → go to</i>	HH22b
3.3.1c Did the hh irrigate any of the fruits or vegetables?	<i>I=Yes 2=No → go to Fruit/vegetable table</i>	VF03
3.3.1d What was the main type of irrigation used?	<i>1=motorized pump 2=piped public water 3=well/river/stream &amp; bucket 4=hand pump or treadle pump 5=irrigation canal 6=other (specify) _____</i>	VF04

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 2014 to the end of April 2015.**

**Table 3.3.2a Fruit and Vegetable Production and Sales** Key Variables: CLUSTER, HH, VF CODE Reference Period: Beginning of May 2014 to end of April 2015

Which fruits and vegetables did the household produce/harvest from the beginning of May 2014 to the end of April 2015? <i>(Enumerator: Write name of fruit/vegetable in full)</i>	<i>(Enum: list all fruits first, then vegetables)</i> Vegetable/ Fruit Code <i>(see codes below)</i>	How many times did the hh plant .... between May 2014 and April 2015? <i>Enter "0" if planted before May 2014</i>	Was .... grown in a wetland / dambo area? <i>1=Yes 2=No</i>	In how many months did the hh harvest ..... between May 2014 and April 2015?	On average, how much of ..... did the hh harvest each month?		Did the hh sell/ barter any of this .... between May 2014 and April 2015? <i>1=Yes 2=No</i>	Who primarily decided whether or not to sell/barter this ....? <i>(see codes below) (if a current member, select name from drop-down box)</i> <i>If VF08 = 2 → go to next fruit/ vegetable</i>	In how many months did the hh sell /barter ..... between May 2014 and April 2015?	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 a current member, select name from drop-down box)</i>
					Quantity harvested	Unit <i>(see codes below)</i>				Quantity sold	Unit <i>(see codes below)</i>	Price ZMK	Unit <i>(see codes below)</i>		
Vegetable/Fruit Name	VFCODE	VF01	VF02	VF05	VF06	VF07	VF08	VF09	VF10	VF11	VF12	VF13	VF14	VF15	VF16

Fruits (VFCODE)	Vegetables (VFCODE)	Unit ( VF07, VF12, VF14)	Location sold (VF15-cont)	Decision (VF09, VF16)
20 = Cashew nut 23 = Oranges 24 = Bananas 25 = Pineapple 26 = Guavas 27 = Paw Paws 28 = Avocado	29 = Watermelon 30 = Mangoes 31 = Other fruit 6=Fresh groundnuts 9=Irish potatoes 12=Fresh beans 13=Fresh Bambara nuts 14=Fresh cowpeas 22=Paprika 32 = Cabbage 33 = Rape 34 = Spinach 35 = Tomato 36 = Onion 37 = Okra	38 = Eggplant 39 = Pumpkin 40 = Chilies 41 = Chomolia 42 = Cauliflower 43 = Carrots 44 = Lettuce 45 = Green beans 46 = Green maize 47 = Other vegetables 51=Impwa 52=Pumpkin leaves 53=Sweet potato leaves 54=Cassava leaves 55=Bean leaves 56=Chinese cabbage 62=Sugarcane (not scheme) 63=Bondwe / amaranthus 65=Sweet sorghum	1=90kg bag 2=50kg bag 3=25kg bag 4=10kg bag 5=20lt tin 6=90kg bag unshelled 7=50kg bag unshelled 8=25kg bag unshelled 9=10 kg bag 10=20lt tin unshelled 11=5lt gallon 12=meda 13=bunches/bundle / heaps 14=muchumbu 15=ka B.P. 16=crates 17=tonnes 18=boxes 19=number 20=kilogram 25=packet 5=at provincial centre 6=Lusaka's Soweto Market 7=other markets in Lusaka 8=Masala or Chisokone market in Copperbelt 9=neighboring country 10=outside province but not captured in 6-9 above 11=other (specify) _____	1=Current member of the hh – please select member 8=Non-hh male relative 9=Non-hh female relative 10=Non-hh male non-relative 11=Non-hh female non-relative 13=Other (specify)

3.4 Hired labour

We would now like to ask about costs to hire labour for cropping activities that the household used during the 2013/2014 agricultural season.

**Table 3.4.1 Labour Costs** *Key Variables: CLUSTER, HH, LABOUR* *Reference Period: 2013/14 agricultural season*

Activity	LABOUR	Did the household hire labour for ..... during the 2013/14 agricultural season? 1=Yes 2=No	What was the <b>total cost to hire labour</b> for this activity for the <b>2013/14 agricultural season?</b> (ZMW)
		<b>LBR01</b>	<b>LBR02</b>
Land clearing ( stumping)	1		
Manual tillage	2		
Planting	3		
Fertilizer application	4		
Chemical weeding	5		
Manual Weeding	6		
Pesticide application	7		
Harvesting	8		
Shelling and Packing	9		

**SECTION 4: FERTILISER ACQUISITION (2013/2014)**

4.1 Did the household **acquire fertiliser from any source** for the **2013/2014** agricultural season? 1 = Yes      2 = No → go to 4.3 HH23

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

Reference Period: The 2013/2014 Agricultural Season

Sources of Fertiliser <i>Enumerator: ask FR01 first for all sources of fertilizer, then return to ask the remaining questions if the household acquired fertilizer.</i>	Did the hh acquire fertiliser from this source? <i>1 = Yes 2 = No → go to next source</i>	How far was the point of collection from the homestead? <i>(1 mile = 1.6 km, 12 min on foot is about 1 km) Enter "0" if less than 1 km (km)</i>	What quantity of basal dressing fertiliser did the hh acquire? <i>Enter "0" if none and → go to FR05</i>	Unit Code <i>2=50kg bag 3=25kg bag 4=10kg bag 21=5kg 5=20 ltr tin 12=meda 20=kg 22=litre</i>	In which month was the basal dressing fertilizer received from this channel? <i>(see codes below)</i>	Was the basal dressing fertiliser from this channel available at the time the HH needed it? <i>1 = Yes 2 = No</i>	What quantity of top dressing fertiliser did the hh acquire? <i>Enter "0" if none and → go to next source</i>	Unit Code <i>2=50kg bag 3=25kg bag 4=10kg bag 21=5kg 5=20 ltr tin 12=meda 20=kg 22= litre</i>	In which month was the top dressing fertilizer received from this channel? <i>(see codes below)</i>	Was the top dressing fertiliser from this channel available at the time the HH needed it? <i>1 = Yes 2 = No</i>
FERTCH	FR01	FR02	FR03	FR03a	FR03c	FR04	FR05	FR05a	FR05c	FR06
<b>GOVERNMENT</b>										
FISP/MAL (Direct from FISP or via a coop/farmer group)	1									
Food Security Pack/Expanded Food Security Pack/Ministry of Community Development, Mother and Child Health	2									
<b>COMMERCIAL</b>										
Cash purchase from private trader/retailer	3									
Cash purchase from cooperative or farmer association (excluding FISP/MAL)	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									
<b>GIFTS/FREE/GRANT (excluding Food Security Pack)</b>										
Other households, institutions or other sources	9									

Month codes (FR03c, FR05c)	
1 = January	7 = July
2 = February	8 = August
3 = March	9 = September
4 = April	10 = October
5 = May	11 = November
6 = June	12 = December

<b>4.3 (Enum: Ask if household did not acquire FISP fertiliser for the 2013/14 agricultural season (HH23 = 2 OR (HH23=1 and FERTCH=1 &amp; FR01=2))</b> <b>Why did this household not receive FISP fertiliser in the 2013/14 agricultural season?</b> Please tell me up to 3 reasons, where the first reason is the most important, second reason next most important and last reason the next most important.	HH24a	
	HH24b	
	HH24c	

17=Not eligible because did not have enough land 18=Not eligible because cultivate too much land 19=Not eligible because Food Security Pack Programme beneficiary 20=Not eligible because defaulted on a government agricultural credit program 1=Not eligible for reasons other than those specified above 3=Did not want to get FISP because of late delivery 4=Did not want to get FISP for other reasons 9=Did not want to be member of cooperative/farmer group	5=Do not know 11=Do not grow maize 10=Soil is fertile (do not need fertiliser) 6=Could not afford FISP down payment 2=Could not afford cooperative/farmer group membership 7=No FISP fertiliser available in my area 8=Denied cooperative/farmer group membership for reasons other than cost of membership	12=FISP fertilizer allocated to my area was not enough for all eligible applicants 13=Eligible and applied but not selected to receive FISP for unknown reasons 14=My cooperative/farmer group was not selected to participate in FISP 15=Not a registered farmer 16=Was not actively involved in farming in the camp coverage area 21=I submitted my application or down payment after the deadline 23=No other reason 22=Other (specify)
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<b>4.4 (Enum: Ask if HH did not acquire commercial fertiliser from any source for 2013/14 agricultural season (HH23 = 2 OR (HH23=1 &amp; FR01=2 for FERTCH=3 through 8))</b> <b>What is the most important reason why the household did not purchase fertiliser from a commercial source in the 2013/14 agricultural season?</b>	HH25	
---	------	--

- |   |   |  |
|---|---|--|
| <i>1 = did not have cash</i>  | <i>4 = not available in the stores</i>              | <i>7=did not grow crops and/or maize</i> |
| <i>2 = it did not pay, it was not profitable, it was too costly</i> | <i>5 = soil is fertile (do not need fertiliser)</i> | <i>8=had enough fertiliser</i>           |
| <i>3 = transport was too expensive</i>                              | <i>6 = other (specify) _____</i>                    | <i>9=given by others</i>                 |



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

5.1 **Enumerator:** The program will make the seed acquisition table available if the household has grown the required crops. If the household has not, then skip to Table 5.3. **maize, sunflower, groundnut, soyabean, white or yellow-fleshed sweet potato, or orange-fleshed sweet potato.** **1 = Yes 2 = No → go to Table 5.3** **HH30**

**Table 5.2 Seed/planting material acquisition** Key Variables: CLUSTER, HH, CROPSEED, VARIETY **Reference Period: The 2013/14 Agricultural Season**

**Enumerator:** Transfer from Tables 2.4 and 2.5 the crops (CROPA & CROPB) and seed varieties (CM07A & CM07B) grown for each crop listed below.

Crop	Seed variety	For the <b>largest transaction</b> used to acquire this seed variety, what was the <b>source</b> of seed/ planting material?  (see codes below) (if ST01 = 7 go to next CROPSEED/VARIETY)	For the <b>largest transaction</b> , how far from the homestead was the location where the hh got the seed/ planting material?  (1 mile =1.6 km)  Enter "0" if at homestead (km)	For the <b>largest transaction</b> , what type of transaction did the household use to acquire the seed/ planting material?  1=cash purchase 2= outgrower loan 3=seed retailer loan 4=other loan 5=barter 6=FISP 7=grant/gift/free 8=from own harvest  <b>Enum: If ST03 &gt; 1 → go to next CROPSEED/VARIETY</b>	<b>Enumerator: For cash purchases (ST03=1), ask</b>  For the <b>largest transaction</b> , what was the <b>cost per unit</b> of the seed/planting material?	
1=maize 5=sunflower 6=groundnut 7=soyabean 17=sweet potato – white or yellow-fleshed 57=sweet potato – orange-fleshed	<b>Enumerator:</b> Transfer from Tables 2.4 & 2.5 (CM07A & CM07B)				Cost  (ZMW)	Unit  (see codes below)
CROPSEED	VARIETY	ST01	ST02	ST03	ST04	ST05

5.2 **Enumerator:** If the household used the variety, the next question will be available to ask. Check Table 5.2 - Did the HH grow the yellow-fleshed sweet potato variety Chingovwa / Lusaka / Simama/ Solwezi / Kakokola crop = 17, VARIETY = 300) during the 2013/14 agricultural season? Computer will control whether the next question is available to be asked. **1=Yes 2=No → go to Table 5.3** **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, HH32)			Unit code (ST05; ST07)	
1=Private retailer/agro-dealer at boma	15=WCS (Wildlife Conservation Society)	29=On-farm trial	1=90kg bag	10=20lt tin unshelled
2=Private seed company	16=CODEP (Community Development Project)	30=Ministry of Agriculture & Livestock extension worker	2=50kg bag	11=5lt gallon
4=Govt Food Security Pack	17=World Vision	31=Extension demonstration field/ farmer field day	3=25kg bag	12=MEDA
5= Govt Farmer Input Support Program	18=Self Help Africa	32=Conservation Farming Unit (CFU)	4=10kg bag	13=bunches
6=Another farmer	19=ADRA (Adventist Development & Relief Agency)	33=Other (specify) _____	21=5kg bag	14=MUCHUMBU
7=Own harvest	20=Caritas		22=2kg bag	15=ka B.P.
8=Out-grower/input credit	21=Eastern Province Farmers' Cooperative		5=20lt tin	16=crates
9=Private retailer/agro-dealer outside boma	22=Chipata District Association		6=90kg bag unshelled	17=tonnes
10=Local seed producer	24=CIP (International Potato Center)		7=50kg bag unshelled	18=boxes
11=Cooperative/farmer group (e.g. ZNFU Lima credit or others)	25=ICRISAT (International Crops Research for the Semi-Arid Tropics)		8=25kg bag unshelled	19=number / cuttings / seedlings
12= Friends or relatives	26=IITA (International Institute of Tropical Agriculture)		9=10 kg bag unshelled	20=kilogram
14=COMACO (Community Markets for Conservation)	27=ZARI (Zambia Agriculture Research Institute)			
	28=GART (Golden Valley Agricultural Research Trust)			

**Enumerator:** We would like to know about inputs received from the Farmer Input Support Programme (FISP). This will be helpful for understanding the enduring effects of FISP. To do this we will need information from this season and before back to 2008/2009. It is not necessary to collect the fertilizer information for the previous season, only the seed.

**Table 5.3. Inputs acquired from the Farmer Input Support Programme (FISP)** Key Variables: CLUSTER, HH, AGYEAR Reference Period: 2008/09-2014/15.

Agricultural season	Did you receive any maize seed or fertiliser through FISP?		What quantity of basal dressing fertiliser did the hh receive in this year? <i>Enter "0" if none and → go to FISP04</i>		What quantity of top dressing fertiliser did the hh receive in <i>this year</i> ? <i>Enter "0" if none and → go to FISP06</i>		How many maize seed packs (10 Kg) or kgs of maize seed did the hh receive in this year? <i>Enter "0" if none and → go to next AGYEAR</i>		In what month did you receive this maize seed? 1=August 2=September 3=October 4=November 5=December 6=January 7=February 8=March 9=Do not remember
	1=Yes 2=No → go to next agyear 3=Don't know → go to next agyear		Quantity -9=Do not know	Unit 2=50 kg bags 20=kg	Quantity -9=Do not know	Unit 2=50 kg bags 20=kg	Quantity of Maize Seed -9=Do not know	Unit 4=10 kg packet 20=kg	
AGYEAR	FISP01	FISP02	FISP03	FISP04	FISP05	FISP06	FISP07	FISP08	
2014/15	1								
2013/14	2								
2012/13	3								
2011/12	4								
2010/11	5								
2009/10	6								
2008/09	7								

**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 Reference Period: The 2013/14 Agricultural Season*

Source of loan/credit	Did any member of your household borrow money or obtain a loan/credit (cash or in-kind) from ... to support agricultural production during the 2013/14 agricultural season?  1 = Yes 2 = No → go to next source	What was the value of this loan/credit excluding interest (Kwacha equivalent if it was in-kind)?  (ZMW)	Was collateral required to obtain this loan/credit?  1=Yes 2=No → go to next source of loans/credit	What main type of collateral did your household use to obtain this loan/credit?  1=land title 2=farm implements/equipment 3=vehicle 4=house 5=animals 6=bank account 7=salary 8=membership in a club/community group/cooperative 9=other household assets  <i>Enumerator: Enter the appropriate code. Then →go to the next source of loan/credit (LNA).</i>	
	LNA	LNA01	LNA02	LNA03	LNA04
Government-run program	1				
Commercial bank	2				
ZNFU Lima Credit Scheme	3				
Farmers’ union or cooperative (excluding ZNFU Lima Credit Scheme)	4				
Micro credit institution / community credit scheme	5				
Out-grower scheme	6				
Input credit from private company (excluding outgrower schemes)	7				
NGO / faith-based organization / church	8				
Friend/relative/informal moneylender (e.g., kaloba)	9				
Company leasing equipment to own (e.g. Rent to Own)	10				
Community-based savings group (e.g., SILC, VSLA, etc.)	11				
Other (specify)	12				



**7.5 Grazing Calendar. Enumerator: Answer the following questions if the household had cattle, goats or sheep. These questions will appear at the end of Table 7.3 in the rows for the specific animal.**

<b>Animals</b> <i>To be asked if household raised and/or owned the animals</i>	<b>1. Where did your ... mostly graze during the last rainy season?</b>  1=Communal pastures 2=Own pasture 3=Pegged/corralled at homestead 4= State land (e.g. parks) 5=Own and neighbors crop fields (no fencing, restrictions) 6=Own crop fields only 7= Other (specify) _____	<b>2. Where did your ... mostly graze during the last cold dry season?</b>  1=Communal pastures 2=Own pasture 3=Pegged/corralled at homestead 4= State land (e.g. parks) 5=Own and neighbors crop fields (no fencing, restrictions) 6=Own crop fields only 7= Other (specify) _____	<b>3. Where did your ... mostly graze during the last hot dry season?</b>  1=Communal pastures 2=Own pasture 3=Pegged/corralled at homestead 4= State land (e.g. parks) 5=Own and neighbors crop fields (no fencing, restrictions) 6=Own crop fields only 7= Other (specify) _____
<b>GRAZ00</b>	GRAZ01	GRAZ02	GRAZ03
Large Ruminants (cattle )			
Small ruminants (Goats and sheep)			

**Enumerator: Ask specifically about each livestock owned**

**Table 7.3 Livestock sales**

Key Variables: CLUSTER HH, LSTOCK

Reference period: May 1, 2014 to April 30, 2015

Livestock Owned	LSTOCK	LS01A	LS15	LS16	LS17	LS18	LS18a	Enumerator: Ask if LS18 > 0 – the last time the hh sold live for cash		
								LS19	LS20	LS21
								The last time the household sold live ... for cash, how many were sold?	The last time the household sold live ... for cash, how much did the HH receive in <b>TOTAL</b> in ZMW?  (ZMW)	The last time the household sold live ... for cash, who primarily decides how revenue from this sale was or will be used?  (see codes below) (if a current member, select name from drop-down box)
Cattle	1									
Goats	2									
Pigs	3									
Sheep	4									
Village Chickens	6									

Primary decision-maker codes (LS15, LS21)	
1=Current member of the hh – please select member	10=Non-hh male non-relative
8=Non-hh male relative	11=Non-hh female non-relative
9=Non-hh female relative	13=Other (specify)

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

Reference period: May 1, 2014 to April 30, 2015

Livestock <b>Raised</b> <i>Computer will show which livestock were raised.</i>		Did you vaccinate any of your ....? <i>1=Yes 2=No → go to LSD02</i>	<i>(Ask if LSD01a=1)</i> What was the main source of the vaccines? <i>(see codes below)</i>	Were any of the ..... that the HH was raising infected by disease? <i>1=Yes 2=No → go to LSD06</i>	What type of medicine did you use to treat these animals? <i>1=Veterinary drugs 2=Traditional medicines → go to LSD05 3=Not treated → go to LSD05</i>	<i>(Ask if LSD03=1)</i> What was the main source of the drugs? <i>(see codes below)</i>	How many ... were lost to diseases between 1st May 2014 and 30th April 2015? <i>(Enter "0" if none)</i>	Did the hh deworm its ..... at any time between 1st May 2014 and 30th April 2015? <i>1=Yes 2=No</i>	What main method of tick/flea control does the hh practice? <i>1=Dipping 2=Spraying 3=Pour-on 4=Hand dressing 5=Injectable 6=None</i>
LSTOCK		LSD01a	LSD01b	LSD02	LSD03	LSD04	LSD05	LSD06	LSD07
Cattle	1								
Goats	2								
Pigs	3								
Sheep	4								
Village chickens	6								

Source of vaccines / drugs (LS01b, LSD04)	
1=Fellow farmer	8=Livestock service center
2=Paravets - government	10=Bimeda
17=Paravets - private company	11=Agriserve
18=Paravets - independent	12=Ultravetis
3=Veterinary Dept	13=Vet 24
4=Agro-dealer	14=LVSCC
5=Trader	15=Silverlands
6=NGO- faith-based organization or church	16=Munzuma
7=Livestock Services (Lusaka Showgrounds)	9=Other sources (specify) _____





**SECTION 8. HOUSEHOLD ASSETS / IMPLEMENTS**

**8.1** Please tell us about the type and number of assets or implements used for farming that are owned by the household.

**Table 8.1a Assets**      *Key Variables: CLUSTER, HH, ASSET*      *Reference period: 1<sup>st</sup> May 2014 (AST04 reference is planting time in previous season – 13/14)*

Type of Assets	Asset code	Did the hh own .... as at 1 <sup>st</sup> May 2014? <i>1 = Yes 2 = No → go to AST04</i>	How many..... did the hh have in working/serviceable condition as at 1st May 2014? <i>(Enter "0" if none and go to AST04)</i>	If the hh were to have sold all of these ..... that were in working/serviceable condition, how much would they have fetched as at 1st May 2014? <i>(Enter the total value in ZMW)</i>	Did the hh have this asset at planting time during the 2013/14 ag season? If yes, ask the number in working/usable condition owned as of planting time in 2013/14 ag season <i>(Enter "0" if none → go to next farm asset)</i>
	<b>ASSET</b>	<b>AST01</b>	<b>AST02</b>	<b>AST03</b>	<b>AST04</b>
Trained Oxen/Cows	0				
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				
Knapsack sprayer	26				
Boom sprayer	27				

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

Enumerator: First, ask about all assets for the first question (AST01). Then come back to ask AST02 and AST03 if the household owned that asset.

**Table 8.1b Assets**

Key Variables: CLUSTER, HH, ASSET

Reference period: 1<sup>st</sup> May 2014

Type of Assets	Asset code	Did the hh own .... as at 1 <sup>st</sup> May 2014?  <i>1 = Yes 2 = No →go to next asset</i>	How many..... did the hh have in working/ serviceable condition as at 1st May 2014?  <i>(Enter "0" if none and go to next ASSET)</i>	If the hh were to have sold all of these assets that were in working/ serviceable condition..... how much would they have fetched as at 1st May 2014?  <i>(Enter the total value in ZMW)</i>
	ASSET	AST01	AST02	AST03
Trucks/lorries	15			
Pick-ups/ vans/cars	16			
Trailer	17			
Motorcycle	18			
Bicycles	19			
Boats/canoes	20			
Fishing net	21			
Cattle dip/crush pen	22			
Hand mills	23			
Hammer mills	24			
Rump presses/oil expellers	25			
Hand-operated maize sheller	28			
Motorized maize sheller	29			
Improved Brazier (Mbaula)	43			

Type of Assets	Asset code	Did the hh own .... as at 1 <sup>st</sup> May 2014?  <i>1 = Yes 2 = No →go to next asset</i>	How many..... did the hh have in working/ serviceable condition as at 1st May 2014?  <i>(Enter "0" if none and go to next ASSET)</i>	If the hh were to have sold all of these assets that were in working/ serviceable condition..... how much would they have fetched as at 1st May 2014?  <i>(Enter the total value in ZMW)</i>
	ASSET	AST01	AST02	AST03
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			
Houses excluding fields	39			
Water tank	40			
Standard well (protected)	41			
Borehole	42			

**SECTION 9: OFF-FARM INCOME AND REMITTANCES (From May 2014 to April 2015)**

**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 2014 to the end of April 2015. 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 2014 to the end of April 2015. 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 2014 to the end of April 2015*

Did any of the household members work for or receive a salary/wage .....? (ask item by item)	1=Yes 2=No → go to next activity	Ask for the names of the household members earning from this activity		
WACT	ANYWORK	Name 1	Name 2	Name 3
1=On a smallholder farm (less than 20 ha)				
2=On a large-scale farm (20 ha or more)				
3=Civil servant excluding ZAWA (eg. Teacher, extension officer, nurse, police, etc.)				
4=Parastatal employee (NCZ, FRA, ZESCO)				
5=Private agricultural/crop firm (eg grain processing, crop input or output handling and sales, crop service firm, etc.)				
6=Private livestock services and processing (eg. Abattoirs, livestock and livestock medicine sales)				
7=Employee of private company or individual, excluding agricultural and tourism industries (eg. mine, bank, house help, mechanic, security guard, retail shop, etc.)				
8=As a worker in lodges or safari industry (excluding hunting)				
9=As a worker in a hunting safari				
10=Forest services				
11=ZAWA/Village scouts				
12=Casual FRA worker				
13=Other casual work/non-agricultural peicework				
14=Receive pension				
15= Other (specify)				



9.2 We would like to talk about all household members who participated in **FORMAL OR INFORMAL BUSINESS ACTIVITIES** from the beginning of May 2014 to the end of April 2015. 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 2014 to the end of April 2015*

Did any of the household members earn any income from the following formal or informal business activities .....? (ask item by item)	1=Yes 2=No → go to next activity	Ask for the names of the household members earning from this activity		
BACT	ANYBUS	Name 1	Name 2	Name 3
1 = Crop input or output/crop trading business				
2 = Crop services business (eg ploughing or spraying business)				
3 = Livestock input or output trading business (including dairy)				
4 = Livestock service business (eg veterinary, vaccination, de-worming)				
5 = Retailer/shop owner/marketeer/vendor business				
6 = Firewood collection or trading business				
7 = Charcoal production or trading business				
8 = Eco-charcoal production or trading business				
9 = Carpentry or construction business (includes brick making)				
10= Local beer brewing and selling business				
11=Butchery or abattoir business				
12=Milling or oil extraction business (eg hammer mill)				
13=Tailoring and weaving business				
14=Blacksmithing business				
15=Healing (traditional) business				
16=Fishing and selling (from lakes /rivers/streams excluding fish ponds) business				
17=Transporter business				
18=Landlord				
19=Wild honey collecting and selling business				
20=Beekeeping and honey selling business				
21=Collection and selling of other forest products (eg. Poles/timber, grass, mushrooms, caterpillars, wild fruits)				
22=Curio/carving business				
23=Hair saloon / barbershop business				
24=Repairing items business (eg. bicycles, radios, solar, etc..)				
25=Baker business				
26=Other (specify)				
27=Other (specify)				

**Enumerator:** Transfer the names of the household members listed in the previous page to this page. If all no's to business activities, go to Q9.3.

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

**Table 9.2b. Formal and Informal Business Activities** Key Variables: CLUSTER, HH, MEM, BACT Reference Period: Beginning of May 2014 to end of April 2015

Person MEM number and name  <i>Enumerator:</i> Record the names of the members from the previous page, Table 9.2a. Look up the MEM number from Table 1.1 (adults) and Table 1.2 (children).		<i>Enumerator:</i> Transfer the BACT codes from Table 9.2a for all business activities that ... was involved in at any time from May 2014 to April 2015.  (BACT codes are also listed below)	For which months was revenue .....												In a typical <b>high</b> revenue month, how much did ... receive/spend (cash and in-kind) from this business? <i>(Enumerator: If no high revenue months, program skips these two questions.)</i>		In a typical <b>low</b> revenue month, how much did ... receive/spend (cash and in-kind) from this business? <i>(Enumerator: If no low revenue months, program skips these two questions.)</i>	
			(ask none first, low second, high last)  0= None 1 = Low 2 = High  If earnings are constant for all months, probe further.												Total Gross Income (ZMW)	Total Expenses (ZMW)	Total Gross Income (ZMW)	Total Expenses (ZMW)
MEM	Name	BACT	2014 May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Jan	Feb	Mar	Apr	B14	B15	B16	B17

- |  |   |  |
|--|---|--|
| 1= Crop input or output/crop trading business                          | 10=Local beer brewing and selling business  | 19=Wild honey collecting and selling business  |
| 2= Crop services business (eg ploughing or spraying business)          | 11=Butchery or abattoir business  | 20=Beekeeping and honey selling business   |
| 3= Livestock input or output trading business (including dairy)        | 12= Milling or oil extraction business (eg hammer mill)                           | 21=Collection and selling of other forest products (eg. Poles/timber, grass, mushrooms, caterpillars, wild fruits) |
| 4= Livestock service business (eg veterinary, vaccination, de-worming) | 13=Tailoring and weaving business   | 22=Curio/carving business  |
| 5= Retailer/shop owner/marketeer/vendor business                       | 14=Blacksmithing business   | 23=Hair saloon / barbershop business   |
| 6= Firewood collection or trading business                             | 15=Healing (traditional) business   | 24=Repairing items business (e.g. bicycles, radios, solar, etc.)   |
| 7= Charcoal production or trading business                             | 16=Fishing and selling (from lakes /rivers/streams excluding fish ponds) business | 25=Baker business  |
| 8= Eco-charcoal production or trading business                         | 17=Transporter business   | 26=Other (specify)   |
| 9= Carpentry or construction business (includes brick making)          | 18=Landlord   | 27=Other (specify)   |

**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 2014 to the end of April 2015. 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 9.3.2 Other cash & commodities received by household** (include remittances from non-resident spouses for polygamously married men/women) Key Variables: CLUSTER, HH, CASHREC Reference Period: Beginning of May 2014 to the end of April 2015

Source of the cash or commodity	Did any household member receive any cash from ... from the beginning of May 2014 to the end of April 2015? <i>1=Yes 2=No → go to CR03</i>	What is the amount of cash in ZMW received from ... by all the members of the household from the beginning of May 2014 to the end of April 2015?  (ZMW)	Did any household member receive any maize, non-food items or other commodities from ... from the beginning of May 2014 to the end of April 2015? <b>Do NOT include cattle, goats, pigs, or sheep.</b> <i>1=Yes 2=No → go to next source</i>	What is the value in ZMW of the maize received from ... by all the members of the household from the beginning of May 2014 to the end of April 2015?  (ZMW) <i>Enter "0" if none</i>	What is the value in ZMW of the non-food items and other commodities received from ... by all the members of the household from the beginning of May 2014 to the end of April 2015? <b>Do NOT include cattle, goats, pigs, or sheep.</b>  (ZMW) <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				
Social Cash Transfer Program (Ministry of Community Development Mother and Child Health)	7				
Government (excluding Social Cash Transfer)	8				
Food aid (for free or for work)	9	2			
Other (specify) _____	10				

**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

Type of Advice/Information	Has any member of the hh ever received any advice on ...?	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) _____	When did the hh first learn about this advice? 1=This ag season (14/15) 2=The previous ag season (13/14) 3=Three ag seasons ago (12/13) 4=Four ag seasons ago (11/12) 5=More than 4 ag seasons ago (10/11 or earlier)
	SR01	SR02	SR03	SR04
Has any member of your household ever received any advice on .....				
<b>Zero tillage</b> (excluding chitemene)?	1			
<b>Minimum tillage</b> using <b>planting basins (potholes)</b> ?	2			
<b>Minimum tillage</b> using <b>ripping</b> ?	3			
<b>Leaving crop residues</b> in the field and incorporating it into the soil?	4			
<b>Using crop residues as mulch</b> (cut and spread on field)?	5			
<b>Rotating</b> cereals with legumes/nitrogen-fixing <b>crops</b> ?	6			
<b>Intercropping</b> cereals with legumes/nitrogen-fixing crops?	7			
Applying <b>animal manure</b> ?	8			
<b>Applying plant manure/green manure or compost</b> ?	9			
Applying <b>lime</b> ?	10			
Leaving land <b>fallow to rest the soil</b> ?	11			
Growing crops that are <b>well suited to soil</b> and <b>weather conditions</b> in your area?	12			
<b>Agroforestry (Use of trees to protect/improve your crop or crop yields)</b>	13			
Information about the <b>problems</b> associated with <b>aflatoxin</b> in <b>maize</b> and/or <b>groundnuts</b> ?	14			
<b>Use of chemical grain protectants</b> (e.g., Actellic chirinda matura dust) to <b>protect maize in storage from weevils</b> ?	15			

**Supplier of Advice/Information (SR02) MAL - PRIVATE FIRMS - NGO'S**

0=MAL Extension	11=Other outgrowers	23=Locally organized group	35=Mawa Project
1=Rural Investment Fund (RIF)	12=Commercial banks	24=Fellow farmers	36=Profit+/Profit+ lead farmer
2=SCAFE	13=Private input suppliers/ stockists/ agro-dealers/ agents	25=Cooperative/farmer group	37=Amatheon
3=Other MAL Agents (including vet)	14=CLUSA Group	26=COMACO (Community Markets for Conser.)	38=Concern Worldwide
4=FRA cooperative	15=ZNFU/Conservation Farming Unit	27=WCS (Wildlife Conservation Society)	39= Plan International
5=Ministry of Health/health officer/facility /National Food & Nutrition Council	16=CARE	28=CODEP (Community Dev. Project)	40=UN Agencies (FAO,WFP,UNICEF)
6=NWK (Dunavant)	17=World Vision	29=Self Help Africa	41=Oxfam
7= Cargill	18=Economic Expansion in Outlying Areas	30=ADRA (Adventist Dev. & Relief Agency)	42=LWF
8=Amaka	19=Agricultural Support Program (ASP)	31=Caritas	43=Government
9=Alliance Cotton	20=Church based Group	32=Eastern Province Farmers' Coop	44=Private or NGO
10=Private output traders	21=HODI	33=Chipata District Association	45= Other, Specify _____
	22=ICAZ (Institute of Cultural Affairs of Zambia)		



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

<b>10.2.1</b> Does the household get access to <b>information</b> about <b>agricultural commodity prices</b> ?	<i>1 = Yes 2 = No →go to Q10.2.3</i>	<b>HH42</b>
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<b>10.2.2</b> (Ask if HH42 = 1) What is the household's <b>main source</b> of <b>agricultural commodity price information</b> ?	<b>HH43</b>
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- |  |  |   |
|--|--|---|
| 1 = Extension Agent-government<br>21=Extension Agent-private sector<br>2 = Farmer/neighbor<br>3 = Radio Program<br>4 = Pamphlet/Newspaper<br>5 = Workshop<br>6 = Field Day | 7 = ZNFU SMS<br>8 = NGO / faith-based organization / church<br>9 = Other ZNFU sources (Billboards, newsletter persons)<br>10 = Conservation Farming Unit (CFU)<br>11 = COMACO (Community Market for Conservation)<br>12 = Eastern Province Farmer's Cooperative<br>13=Trader / Marketeer | 14 = Outgrowers<br>15 = Shops<br>16 = Headman<br>17 = Television<br>18 = Market place<br>19 = Farmer group - cooperative<br>22 = Lima Links<br>20 = Other (specify) _____ |
|--|--|---|

<b>10.2.3</b> Is there <b>currently</b> a <b>member of Parliament (MP)</b> who <b>hails from</b> this <b>village/locality</b> ?	<i>1 = Yes 2 = No</i>	<b>HH45</b>
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<b>10.2.4</b> Does <b>any member</b> of this household have a <b>bank account</b> ?	<i>1 = Yes 2 = No →go to 10.2.5</i>	<b>HH44</b>
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**If yes, who in this household has a bank/saving account?**

Table 10.2.3a Bank/savings *Key Variables: CLUSTER, HH, MemBank Reference Period: NOW*

<i>(Enumerator: add a row for each person who has a bank/savings account. Pick the person from the dropdown box. Probe for all bank and savings accounts)</i>	Who does -----save or bank with?  <i>(see codes below)</i>
<b>Member_Code</b>	<b>Bank_Savings</b>

Bank_Savings Codes	
1=Microfinance Institute	12=Finance Bank Zambia Limited
2=Village Bank	13=First Alliance Bank Zambia Limited
3=Phone banking with cell phone provider	14=First National Bank of Zambia Limited (FNB)
4=AB Bank Zambia Limited	15=Indo_Zambia Bank Limited
5=Access Bank Zambia Limited	16=Intermarket Bank
6=BancABC Zambia Limited	17=International Commercial Bank
7=Bank of China (Zambia) Limited	18=Investrust Bank Plc
8=Barclays Bank Zambia Plc	24=NATSAVE (National Savings and Credit Bank)
9=Cavmont Bank Limited	19=Stanbic Bank Zambia Limited
10=Citibank Zambia Limited	20=Standard Chartered Bank Zambia Plc
11=Ecobank Zambia Limited	21=United Bank for Africa Zambia Limited
	22=Zambia National Commercial Bank Plc (Zanaco)
	23=Other (specify)

**10.2.5 CELL PHONE USAGE**

The computer will check the assets table 34=cell phone. If the response is “Yes” the following questions will be available. If the answer is “No” go to 10.2.5b

<b>10.2.5a How many members of the household have cell phones on the ..... network?</b> <i>(Enumerator: double count if a member has multiple lines)</i>		<i>(Enter zero if none)</i>
	<b>AIRTEL</b>	
	<b>ZAMTEL</b>	
	<b>MTN</b>	

<b>10.2.5b If No, none of the household members own a cell phone, from whom do you have access to a cell phone?</b> <i>1=No access                      4=Business (within 1 km)</i> <i>2=Neighbor                        5=Business located more than 1 km away</i> <i>3=Relative                         6=Other (specify)</i>	<b>NOPHONE</b>	
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*Enumerator: if the household has cell phones or has access to a cell phone (responses 2 to 6 in the previous question), please fill in the table below.*

Table 10.2.5c Mobile phone usage

*Key Variables: CLUSTER, HH, USEPHONE*

*Reference Period: NOW*

Type of use of mobile phone <i>(Enumerator – Mention all uses and ask for any other use)</i>	Cell UseSource	Has anyone in your hh used the mobile phone to ----- in the past 12 months? <i>1=Yes 2=No</i>
		<b>USEPHONE</b>
Obtain information about <b>farm produce prices</b>	1	
<b>Locate buyers</b> for your <b>farm products</b>	2	
Assist in <b>running your own non-farm business</b>	3	
<b>Send or receive money</b>	4	
Do <b>phone banking</b>	5	
<b>Get extension information</b>	6	
<b>Get weather predictions</b>	7	
Other (specify)	8	

**10.3** We will now ask about the household's **participation in local agriculture or credit-related organizations.**

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

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

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

<b>10.4.1</b>	As of <b>October 2013</b> , what was the <b>distance</b> from the hh's <b>homestead</b> to the <b>nearest FRA buying point?</b> <i>(1 mile = 1.6 km)</i> <i>If less than 1 km, enter in decimals</i> <span style="float: right;"><i>(km)</i></span>	<b>FRA1</b>	
<b>10.4.2</b>	As of <b>October 2013</b> , how much did it <b>cost (or would it have cost)</b> to pay someone to <b>transport a 50 kg bag of maize</b> from the hh's <b>homestead</b> to the <b>nearest FRA buying point?</b> <span style="float: right;"><i>(ZMW)</i></span>	<b>FRA2</b>	
<b>10.4.3</b>	As of <b>August 2014</b> , what was the <b>distance</b> from the hh's <b>homestead</b> to the <b>nearest FRA buying point?</b> <i>(1 mile = 1.6 km)</i> <i>If less than 1 km, enter in decimals</i> <span style="float: right;"><i>(km)</i></span>	<b>FRA3</b>	
<b>10.4.4</b>	As of <b>August 2014</b> , how much did it <b>cost (or would it have cost)</b> to pay someone to <b>transport a 50 kg bag of maize</b> from the hh's <b>homestead</b> to the <b>nearest FRA buying point?</b> <span style="float: right;"><i>(ZMW)</i></span>	<b>FRA4</b>	
<b>10.4.5</b>	<b>How many different traders</b> came into this <b>village</b> to <b>buy maize</b> between <b>May 2014 and September 2014 (peak maize marketing period)?</b> <span style="float: right;"><i>(Number)</i></span>	<b>FRA5</b>	
<b>10.4.6</b>	<b>How many different traders</b> came into this <b>village</b> to <b>buy maize</b> between <b>October 2014 and December 2014?</b> <span style="float: right;"><i>(Number)</i></span>	<b>FRA6</b>	

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 <b>NEAREST</b> .....	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 <b>time</b> is required to <b>reach this destination</b> using the <b>most common mode of transport used by the HH to reach this destination</b> (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			
FISP collection point	20			

**10.6. We would now like to ask about what changes you have seen over the last 4 years.**

<p><b>10.6.1</b> If <b>government</b> could <b>increase its spending</b>, what do you think should be the <b>top priority</b> and <b>second most important priority</b> for additional <b>investment/spending</b>? Please tell me up to 2 priorities, where the first priority is the most important, second priority next most important. If Other (specify), please specify.</p>	GVT01	
	GTV01_1 (other (specify))	
	GVT01a	
	GTV01a_1 (other (specify))	

- |  |   |  |
|--|---|--|
| <p>1=Education<br/>2=Roads and bridges<br/>3=Security, like the police and military<br/>4=Health care<br/>5=Water and sanitation</p> | <p>6=Rural electrification<br/>7=Irrigation<br/>8=Input subsidies/FISP<br/>9=Maize marketing/FRA activities<br/>10=Improved agricultural extension and training</p> | <p>11=Develop improved crop varieties or management practices<br/>12=Other agricultural development (crops, livestock, or fisheries)<br/>13=Energy supply<br/>14=Social cash transfers<br/>15=Other social protection programs<br/>16=Other (specify).</p> |
|--|---|--|

<p>10.6.2 Between October 2011 and today, have any new <b>roads</b> been constructed within 5 km (1 hour walk) of the homestead? <i>1=yes 2=no →skip to 10.6.3 3=I don't know →skip to 10.6.3</i></p>	GVT02	
<p>10.6.2a If yes, who do you attribute this new <b>road</b> to? <i>1=National government 2=Member of Parliament 3=Local government council 4= Foreign government 5=Foreign NGO 6=Zambian NGO 7= Private companies, firms, or agro-dealers 8= Private individuals 8=I don't know 9=Other (specify)</i></p>	GVT02a	

<p>10.6.3 Between October 2011 and today, have any new <b>schools</b> been built within 5 km (1 hour walk) of the homestead? <i>1=yes, 2=no →skip to 10.6.4 3=I don't know →skip to 10.6.4</i></p>	GVT03	
<p>10.6.3a If yes, who do you attribute this new <b>school</b> to? <i>1=National government 2=Member of Parliament 3=Local government council 4= Foreign government 5=Foreign NGO 6=Zambian NGO 7= Private companies, firms, or agro-dealers 8= Private individuals 8=I don't know 9=Other (specify)</i></p>	GVT03a	

<p>10.6.4 Between October 2011 and today, have any new <b>health centers</b> been built within 5 km (1 hour walk) of the homestead? <i>1=yes 2=no →skip to 10.6.5 3=I don't know →skip to 10.6.5</i></p>	GVT04	
<p>10.6.4a If yes, who do you attribute this new <b>health center</b> to? <i>1=National government 2=Member of Parliament 3=Local government council 4= Foreign government 5=Foreign NGO 6=Zambian NGO 7= Private companies, firms, or agro-dealers 8= Private individuals 8=I don't know 9=Other (specify)</i></p>	GVT04a	

<p>10.6.5 Between October 2011 and today, has <b>commercial fertilizer</b> become more or less available in this area? <i>1=More available 2=Less available 3=No change →skip to 10.6.6 4=I don't know →skip to 10.6.6</i></p>	GVT05	
<p>10.6.5a If more available or less available, who do you attribute this change to? <i>1=National government 2=Member of Parliament 3=Local government council 4= Foreign government 5=Foreign NGO 6=Zambian NGO 7= Private companies, firms, or agro-dealers 8= Private individuals 8=I don't know 9=Other (specify)</i></p>	GVT05a	

10.6.6	Between October 2011 and today, have <b>improved varieties of maize seed from commercial sources</b> become more or less available in this area? <i>1=More available 2=Less available 3=No change →skip to 10.6.7 4=I don't know →skip to 10.6.7</i>	GVT06	
10.6.6a	If more available or less available, who do you attribute this change to? <i>1=National government 2=Member of Parliament 3=Local government council 4= Foreign government 5=Foreign NGO 6= Zambian NGO 7= Private companies, firms, or agro-dealers 8= Private individuals 9=Other (specify)</i>	GVT06a	
10.6.7	Between October 2011 and today, has it become easier or more difficult to <b>sell maize or other crops for a good price</b> in this area? <i>1=easier to sell for good price 2=more difficult to sell for good price 3=no change →skip to 10.6.8 4=I don't know →skip to 10.6.8</i>	GVT07	
10.6.7a	If easier or more difficult, who do you attribute this change to? <i>1=National government 2=Member of Parliament 3=Local government council 4= Foreign government 5=Foreign NGO 6= Zambian NGO 7= Private companies, firms, or agro-dealers 8= Private individuals 9=Other (specify)</i>	GVT07a	
10.6.8	Between October 2011 and today, has <b>agricultural extension advice</b> become more or less available in this area? <i>1=more available 2=less available 3=no change →skip to next section 4=I don't know →skip to next section</i>	GVT08	
10.6.8a	If more available or less available, who do you attribute this change to? <i>1=National government 2=Member of Parliament 3=Local government council 4= Foreign government 5=Foreign NGO 6= Zambian NGO 7= Private companies, firms, or agro-dealers 8= Private individuals 9=Other (specify)</i>	GVT08a	

**10.7 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.

Ask only if the household had a maize field during the 2013/2014 agricultural season (controlled by the program).

10.7.1	If the hh were to <b>rent out</b> its largest maize field in the 2013/14 agricultural season to someone else to use for <b>one season, how much</b> could the hh have charged? <i>(ZMW)</i>	HH07	
10.7.3	In your perception, do <b>village headmen/authorities still have unallocated arable land</b> that could be given to households in this area? <i>1=Yes 2=No →go to 10.7.5</i>	HH09a	
10.7.4	<i>(If yes to 10.7.3)</i> If your hh <b>wanted more land</b> , could some of this <b>unallocated</b> land be <b>allocated to this household</b> for <b>cropping</b> purposes? <i>1=Yes 2=No</i>	HH09b	
10.7.5	Is it possible to <b>change the tenure status of customary land</b> in this village (i.e. to convert <b>customary land</b> into <b>titled property</b> )? <i>1=Yes 2=No 3=Don't know</i>	HH10a	
10.7.6	Is it possible to <b>buy or sell customary land</b> in this village, <b>without</b> first <b>changing</b> it to <b>titled</b> land? <i>1=Yes 2=No 3=Don't know</i>	HH10b	

**SECTION 11: FOOD PURCHASES AND PROCESSING (Beginning of May 2014 to end of April 2015)**

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 2014 to the end of April 2015.  
 (**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 2014 to end of April 2015

Product purchased/ bartered in  <i>Enumerator: Ask specifically about each product listed below</i>	From the beginning of May 2014 to the end of April 2015 did this household purchase/ barter-in this product for home consumption?  <i>1=Yes 2=No → go to next purch</i>	May 2014 – October 2014				November 2014 - April 2015			
		What was the total quantity purchased/bartered-in between 1st May 2014 and 31st October 2014?			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 2014 and 30th April 2015?			What type of supplier sold/ bartered this product to/with the hh?  <i>(see codes below)</i>
		Quantity  <i>Enter "0" if none → go to P06</i>	Unit  <i>(see codes below)</i>	What was the average price per unit?  <i>(ZMW)</i>		Quantity  <i>Enter "0" if none → go to next product</i>	Unit  <i>(see codes below)</i>	What was the average price per unit?  <i>(ZMW)</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								

Unit Codes (P03, P07)			
1=90kg bag	6=90kg bag unshelled	12=MEDA	18=boxes
2=50kg bag	7=50kg bag unshelled	13=bunches	
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 2014 to end of April 2015

Wild products	Did any member of this household collect ... for home use or consumption between 1st May 2014 and 30th April 2015?  <i>1=Yes 2=No → go to next wild product</i>		From the homestead, how far is it to the <b>PRIMARY</b> source of .....? (km)	Who provided most of the labour for this activity?  <i>(see codes below)</i>	Between 1st May 2014 and 31st October 2014, 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 (ZMW)</i>		Between 1st November 2014 and 30th April 2015, 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 (ZMW)</i>	
	WILD	WD01			WD01a	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 – female adults	5=Hired – male adults
2=Family – male adults	6=Hired – female adults
3=Family – male and female adults	7=Hired – male and female adults
4=Family – children (< 12 years)	8=Hired – children (< 12 years)
9=Family – female adult and children	

**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 2014 and April 2015, were there months in which the hh did <b>not have enough food</b> to meet its family’s needs? <i>1=Yes 2=No → go to Q 12.3</i>	<b>HH49</b>
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12.2 (If yes), which were the months between May 2014 and April 2015 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.)

**Enumerator:** Was the household without enough food to meet its needs in this month?

**Table 12.2 Food needs**

*Key Variables: CLUSTER, HH, MONTH*

*Reference Period: Beginning of May 2014 to end of April 2015*

		<i>1=Yes (not enough food) 2=No (month not mentioned by household)</i>
<b>FS_ID</b>		<b>FOODNEED</b>
May 2014	1	
June 2014	2	
July 2014	3	
August 2014	4	
September 2014	5	
October 2014	6	
November 2014	7	
December 2014	8	
January 2015	9	
February 2015	10	
March 2015	11	
April 2015	12	

**Table 12.3: Household Dietary Diversity**

Now I would like to ask you about the types of foods that you or anyone else in your household ate during the last 24 hours.

**Table 12.3 Household Dietary Diversity**

*Key Variables: CLUSTER, HH, FOODITEMS*

*Reference Period: Last 24 hours*

ID	FOOD PRODUCTS	Did you or anyone else in your household eat .... in the past 24 hours? 1=Yes 2=No
1	CEREALS - Any nshima, porridge, bread, rice, biscuits, noodles or any foods made from maize, rice, wheat, millet, sorghum or any other grains?	
2	ROOTS and TUBERS – Any white or yellow sweet potatoes, Irish potatoes, yam, white cassava, or other foods from roots?	
3	MILK AND MILK PRODUCTS - Any milk, cheese, yoghurt, sour milk, or other milk products?	
4	VITAMIN A RICH VEGETABLES AND TUBERS – Any pumpkins, carrots, squash, or sweet potatoes that are orange inside and other available vitamin A rich vegetables?	
5	DARK GREEN LEAFY VEGETABLES – Any dark green leafy vegetables including wild forms and locally available vitamin A rich leaves such as Amaranthus, cassava leaves, pumpkin leaves, sweet potato leaves, kale, spinach, okra?	
6	OTHER VEGETABLES – Any tomatoes, onions?	
7	VITAMIN A RICH FRUITS – Any ripe mango, ripe pawpaw?	
8	OTHER FRUITS – Any guavas, oranges, avocado, including any wild fruits?	
9	OFFALS – Any liver, kidney, heart, or other organ meats or blood-based foods?	
10	FLESH MEAT – Any beef, pork, lamb, goat, game meat, crocodile, chicken, duck, guinea fowl, pigeon, quail, or other birds, insects?	
11	EGGS - Any eggs from chicken, duck, guinea fowl, crocodile?	
12	FISH - fresh or dried fish (e.g. kapenta, bream, chisense etc.)?	
13	LEGUMES, NUTS and SEEDS – Any dried beans, groundnuts, or other foods made from these (e.g. peanut butter)?	
14	OILS AND FATS – Any oils, fats or butter added to food or made for cooking?	
15	SWEETS - sugar, honey?	
16	SPICES, CONDIMENTS, BEVERAGES – Any spices, coffee, tea, alcoholic beverages?	

**SECTION 13: Kinship ties, tribal groups, migration and inheritance**

**13.1 Kinship ties to chief or headman/woman in this village / locality**

*Headman questions*

13.1.1A	Is the <b>headman/headwoman</b> in this village/locality <b>related</b> to the <b>head</b> of this household? <i>1=Yes 2=No → go to 13.1.1C 3=Respondent is headman 4=No headman → go to 13.1.2A</i>	HH50A	
13.1.1B	(If yes) What exactly is the <b>relationship</b> of the <b>headman/headwoman</b> to the <b>head</b> of the household? <i>1=Blood tie 2=Marital tie</i>	HH50B	

If there is no spouse, the next two questions will not be available.

13.1.1C	Is the <b>headman</b> in this village/locality <b>related</b> to the <b>spouse</b> of this household head? <i>1=Yes 2=No → go to 13.1.2A</i>	HH50C	
13.1.1D	(If yes) What exactly is the <b>relationship</b> of the <b>headman</b> to the <b>spouse</b> of the household head? <i>1=Blood tie 2=Marital tie</i>	HH50D	

*Chief questions*

13.1.2A	Is the <b>chief</b> in this village/locality <b>related</b> to the <b>head</b> of this household? <i>1=Yes 2=No → go to 13.1.2C 3=Respondent is chief 4=no chief → go to 13.2.2</i>	HH51A	
13.1.2B	(If yes) What exactly is the <b>relationship</b> of the <b>chief</b> to the <b>head</b> of the household <i>1=Blood tie 2=Marital tie</i>	HH51B	

If there is no spouse, the next two questions will not be available.

13.1.2C	Is the <b>chief</b> in this village/locality <b>related</b> to the <b>spouse</b> of this household head? <i>1=Yes 2=No → go to 13.2.2</i>	HH51C	
13.1.2D	(If yes) What exactly is the <b>relationship</b> of the <b>chief</b> to the <b>spouse</b> of the household head? <i>1=Blood tie 2=Marital tie</i>	HH51D	

**13.2 Tribal groups and migration**

13.2.2 What is the <b>tribe</b> of the ..... (see codes below) (For polygamous households, ask about the most senior wife)	Current head	<b>HH53A</b>	
	Current spouse (not available if there is no spouse)	<b>HH53B</b>	

Tribe Codes (HH53A, HH53B)				
<b><u>BEMBA-SPEAKING</u></b>	<b><u>TONGA-SPEAKING</u></b>	<b><u>BAROTSE LANGUAGE GROUP</u></b>	<b><u>NYANJA-SPEAKING</u></b>	<b><u>TUMBUKA-SPEAKING</u></b>
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	<b><u>MAMBWE LANGUAGE GROUP</u></b>	<b><u>OTHER</u></b>
18=Luano	<b><u>NORTHWESTERN GROUP</u></b>	46=Nkoya	54=Lungu	63=Kaonde-Ila
02=Lunda (Luapula)	32=Chokwe	38=Nyengo	55=Mambwe	62=Shona
12=Mukulu	33=Kaonde Sub-Group	39=Simaa	56=Namwanga	
07=Ngumbo	29=Luchazi	45=Subiya	58=Tambo	64=Other
15=Shila	27=Lunda (North-Western)	44=Totela	57=Wina	
11=Swaka	26=Luvale			
10=Tabwa	31=Mbowe			
16=Unga	28=Mbunda			
05=Ushi	30=Ndembu			

13.2.3 Is the household <b>head considered local or non-local?</b>	<i>1=Local</i>	<i>2=Non-local</i>	<b>HH54</b>	
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13.2.3a	Did the head <b>grow up in this area?</b>	<i>1=grew up in this area</i>	<i>2= came to settle here later → skip to 13.2.3c</i>	<b>HH54A</b>	
13.2.3b	Has the <b>head lived elsewhere for two or more years?</b>	<i>1=yes</i>	<i>2= No → skip to 13.2.4a</i>	<b>HH54B</b>	

		<b>Province (Enter code)</b>	<b>District (Enter code, see district code table)</b>	<b>Rural/Urban</b> (1= Rural, 2= Urban)
13.2.3c	Where was the head living before coming to this area?	<b>HH54C</b>	<b>HH54D</b>	<b>HH54E</b>

13.2.4a	In what <b>year</b> did the household <b>head settle in this village/locality?</b> Enter -9 if the head was born here (year)	<b>HH55a</b>	
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13.2.4b	What was the <b>main reason</b> that the household <b>head settled in this village/locality?</b> (see codes below)	<b>HH55b</b>	
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<b>Reason why settled in this village/locality (HH55b)</b>	
1= Head was born in this area (always lived here) 2= Family/clan hails from this area (hhd head grew up elsewhere) 3= Worsening weather pattern for farming in previous location 4= Improved farming opportunities (access to farm inputs, market opportunities) 5= Land availability 7= Retirement 8= Followed spouse to that area 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= Land is more fertile in this area 16= Agricultural employment 17= Non-agricultural employment 18= Other (specify) _____

13.2.4c	Of the following reasons for coming here which one would you consider the <b>most</b> important? (Enum: Read the responses and ask them to choose the best answer)	<b>HH55c</b>	
	1. To obtain wage income (i.e. work)      4. Other reason _____ 2. To obtain land 3. Land and wage income were <u>equally important</u>		

**13.3 Matrilocal/patrilocal and matrilineal/patrilineal questions.** (Question is not available if the head was never married. If the head was married, please go back to adjust in the demography to select the appropriate marital code.)

13.3.1	At the time of the marriage of the head, which <b>spouse moved to the other spouse's village?</b> 1=wife moved to the husband's village    2=husband moved to the wife's village    3=husband and wife moved to a neutral location	<b>HH56</b>	
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13.3.2	Is this a <b>matrilineal</b> or <b>patrilineal</b> household? <b>Enumerator:</b> Definition <b>Matrilineal</b> , descent is established by tracing family roots exclusively through <b>females</b> from a founding <b>female ancestor</b> . <b>1= Matrilineal</b> <b>Patrilineal</b> , descent is established by tracing family roots exclusively through <b>males</b> from a founding <b>male ancestor</b> . <b>2= Patrilineal</b> <b>3= Not clear</b>	<b>HH57</b>	
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**13.4 Inheritance and extended family** (If no male head/spouse the next two questions are not available. If there is no female head/spouse the last two questions in this section are not available.)

13.4.1a	How many total <b>living brothers</b> (from the nuclear family) does the <b>male household head / male spouse</b> have?	<b>HH58</b>	
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13.4.1b	How many total <b>living sisters</b> (from the nuclear family) does the <b>male household head / male spouse</b> have?	<b>HH59</b>	
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13.4.2a	How many total <b>living brothers</b> (from the nuclear family) does the <b>female household head / female spouse</b> have? (For polygamous households, ask about the most senior wife)	<b>HH60</b>	
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13.4.2b	How many total <b>living sisters</b> (from the nuclear family) does the <b>female household head / female spouse</b> have? (For polygamous households, ask about the most senior wife)	<b>HH61</b>	
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13.4.3	Has this household ever received an inheritance either in the form of land or cattle?	1= Yes	2=No → go to SECTION 14	HH62	
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(Enumerator: Ask if HH62 = 1)

Table 13.4.3.1 Inheritance received (land and cattle) Key Variables: CLUSTER, HH, INHERIT, IH01 Reference period: OPEN

Type of inheritance received (Enumerator: If there were multiple inheritances for land or cattle, please list all of them)  1=Land 2=Cattle	In which year was this inheritance received?  (Enumerator: If there were multiple inheritances, please list each year received)	What was the area of land or number of cattle that was received?	
		Quantity	Unit
		1=lima 2=acre 3=hectare	4=square meter 5=number of cattle
<b>INHERIT</b>	<b>IH01</b>	<b>IH02</b>	<b>IH03</b>

**SECTION 14 – Building materials for the main house**

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

14.1	Roof	1=grass thatched 2=iron sheet 3=roofing tile 4=concrete 5=cardboard 6=asbestos 7=other (specify) _____	HH64	
14.2	Walls	1=mud/unburnt bricks 2=burned bricks/cement bricks/stone 3=wood 4=iron sheet 5=grass/reed/bamboo/poles 6=other (specify) _____	HH65	
14.3	Floor	1=cement 2=earth/mud 3=ceramic tiles 4=wooden 5=other (specify) _____	HH66	

**SECTION 15: Perceptions**

15.2. Enum: I will now read to you several statements. Please tell me if you 1=Strongly disagree 2=Disagree 3=Neither agree nor disagree 4=Agree 5=Strongly agree

15.1	It is difficult to accumulate wealth without help from relatives or other people	1=Strongly disagree 2=Disagree 3=Neither agree nor disagree 4=Agree 5=Strongly agree	HH67a	
15.2	It is important not to appear to be more financially successful than one’s neighbors and relatives	1=Strongly disagree 2=Disagree 3=Neither agree nor disagree 4=Agree 5=Strongly agree	HH67b	
15.3	People in this area use witchcraft to become successful	1=Strongly disagree 2=Disagree 3=Neither agree nor disagree 4=Agree 5=Strongly agree	HH67c	
15.4	To be successful, prayer is more important than hard work	1=Strongly disagree 2=Disagree 3=Neither agree nor disagree 4=Agree 5=Strongly agree	HH67d	
15.5	People in this area drink too much alcohol	1=Strongly disagree 2=Disagree 3=Neither agree nor disagree 4=Agree 5=Strongly agree	HH67e	

**SECTION 16 – Previous deaths**

**16.1 We would like to ask about deaths within the household (since May 2012). (All members in 2012 who passed will appear automatically in the next table.)**

**Table 16.1.1 Deaths within the household**

*Key variables: CLUSTER, HH, PDCODE*

*Reference Period: Since May 2012 to April 2015*

ID	Write the Name	What was the sex of the deceased?  1=Male 2=Female	In which year did ..... die?  Enter year e.g., 2009	In which month did ..... die? 1=Jan 2=Feb 3=Mar 4=April 5=May 6=June 7=July 8=Aug 9=Sept 10=Oct 11=Nov 12=Dec	In which year was .... born?  Enter year e.g., 1999	Was ..... the head of the household at the time of his/her death?  1=Yes →go to PD07 2=No	Was ..... the spouse to the household head at the time of his/her death?  1=Yes 2=No	<i>(Enumerator: Ask only for members who died between May 2014 &amp; April 2015 &amp; year of birth (PD04) is 2008 or earlier (i.e., age was 6 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 2014 & April 2015?  1=Yes 2=No → go to PD09	(If PD07 = 1 (Yes))  What was the total earned (both cash and in-kind) from employment by ..... between May 2014 and April 2015 before his/her death?  (ZMW)	Did ..... receive cash or payment in-kind from a formal or informal business activity between May 2014 & April 2015?  1=Yes 2=No → go to next member	(If PD09= 1 (Yes))  What was the total earned (both cash and in-kind) from the business by ..... between May 2014 and April 2015 before his/her death?  (ZMW)
PDCODE	NAME	PD01	PD02	PD03	PD04	PD05	PD06	PD07	PD08	PD09	PD10
1	NAME of Member										
2											
3											
4											

**Members who passed before May 2014**

**14.1** Since May 2012 to April 2014 has there been any child or adult member of the household who died? 1=Yes 2=No → END  
(If member died after April 2014 and before May 2015, please add as a new member in the demography file to appear in the above table.)

HH63	
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ID	Write the Name	What was the sex of the deceased?  1=Male 2=Female	In which year did ..... die?  Enter year e.g., 2009	In which month did ..... die?		In which year was .... born?  Enter year e.g., 1999	Was ..... the head of the household at the time of his/her death?  1=Yes 2=No	Was ..... the spouse to the household head at the time of his/her death?  1=Yes 2=No
				1=Jan 2=Feb 3=Mar 4=April 5=May 6=June	7=July 8=Aug 9=Sept 10=Oct 11=Nov 12=Dec			
PDCODE	NAME	PD01	PD02	PD03		PD04	PD05	PD06
1								
2								
3								

Date of Interview - Ending	Click on the button to insert date and time	GET TIME
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**END INTERVIEW - THANK THE RESPONDENT FOR PARTICIPATING IN THE SURVEY**