



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)	RESP15		
	(Enum: respondent must be a household member)			

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"/> . <input type="text"/> <input type="text"/> <input type="text"/> <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"/> <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)	CELLPHONE15		
	(Enumerator: record the best phone number at which to reach the main respondent)			
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 (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.	Was this person a member from the beginning of May 2014 to the end of April 2015? 1=Yes -> Go to DA00c 2=No	(Ask if DA00a =2 and old member) What is the main reason went away from the household ? (See codes below)	Between May 2014 and April 2015, in how many months has been away from the household? (Enter 12 if left before May 2014)	(if DA00a = 2) Is the move permanent or temporary? 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 → go to next HH member	(New members only) Why did this new member join the household since the past survey? (See code below)	The year of birth is displayed. Ask the respondent to confirm the correct year this person was born. In which year was born? Enter the year again even if it is correct.	What is the sex of ? 1=male 2=female (The entered value will be compared to 2012 for confirmation.)	What is the relationship of to the current head? (see code below)	(Ask if born before 2004) What is the marital status of? (see code below)	Is attending formal school? 1 = Yes 2 = No	What is the highest level of formal education completed? (see codes below) (if born after 2003, go to next member)	Between May 2014 and April 2015, was chronically ill/disabled and unable to perform household duties for at least three (3) months? 1= Yes 2= No → go to next mem	(Ask if DA08= yes) When did first become ill/ disabled ?	Was this person a household member in the 2013/14 growing season (Oct 2013 to April 2014)? 1=Yes 2=No → go to next member	How many labor days did this person contribute to this household's farm in the 2013/14 growing season: 1=none at all → go to next member; 2=less than 20 days; 3=more than 20 days	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? 1=more to this farm; 2=more to otheractivities 3=about equal	
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)_____	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	09=Do not know 00=None 01=Sub-standard A; Grade 1 01=Sub-standard B; Grade 1 02=Standard 1; Grade 2 03=Standard 2; Grade 3 04=Standard 3; Grade 4 05=Standard 4; Grade 5	06=Standard 5; Grade 6 07=Standard 6; Grade 7 08=Form 1; Grade 8 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	Enumerator: Is the head of this household polygamously married ? 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 wives in total are there in the polygamous marriage ? <i>Number</i>	HH01b	
1.1.1.2	How many of these wives live at this homestead ? <i>Number</i>	HH01c	

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

1.1.2a Between May 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? 1=Yes 2=No 3=Don't know	Interviewer: If Alive, Dead or Retired What is/was the primary occupation of the head's father (mother)? 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	What is/was the highest level of formal education.... completed? (see codes below)	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)	
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
01=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, FIELDTPReference Period: 2013/2014 agricultural season (1st October 2013 – 30th 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
Cultivated/Cropped fields			
Own cropped fields	1		
Rented in cropped fields (cash/in-kind payments)	2		
Borrowed in cropped fields (without payment)	3		
Other fields			
Gardens	4		
Fallow fields (natural or improved)	5		
Rented out fields (received or will receive cash/in-kind payment)	6		
Borrowed out fields (without payment)	7		
Orchards	8		
Virgin land (never cultivated)	9		
Personal Woodlot (not communal land)	10		
Land cultivated / managed on behalf of an absentee owner			
Fields cultivated on behalf of an absentee owner (household farms the fields but cannot keep/sell most of the produce)	12		
Other land managed 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	Enumerator: What is the land-use of this field? Transfer land use from the field sketch.		Enumerator: 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 1=lima 2=acre 3=hectare 4=square metre	Distance (record quantity with respect to number of kms or how long it takes to walk in minutes)	Unit 1=km 2=minutes			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)	Are there any trees/shrubs growing in this field? 1=Yes 2=No
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 57=Sweet potato-orange fleshed 18=Cassava 19=Kenaf 20=Cashew nut 22=Paprika	60=Popcorn 61=Sugarcane 21=Other crop (specify) _____ 23=Garden 24=Natural fallow 25=Improved fallow 26=Rented/borrowed out 27=Orchard 28=Virgin 50=New field 51=Don't know/Not available 52=Did not borrow/rent in/use field	64=Pigeon peas 66=Sesame seed 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? (If both sum the two)	How many trees/shrubs are currently in this field? (including border) (Enter ' -99' if not sure)	What is the main reason for the lack of survival of some trees/shrubs? 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) _____	In what year did you plant most of the trees/shrubs in this field? (Enter -9 if hh did not plant any trees/shrubs)	How many trees or shrubs were planted in the past year in this field? (including border) (IF NONE, RECORD ZERO IN BOTH and go to next field),		Did you obtain mainly seedlings or seeds for these trees/shrubs? 1=Seedlings 2=Seeds	From what source did you obtain these seeds/seedlings? 1=Relative 2=Neighbour 3=Project/NGO 4=Government extension 5=Private nursery 6=Other (specify)	If received seed (AFL08=2), did you plant the seed in a nursery or did you plant the seed directly in the field? 1=Nursery 2=Direct planting
FIELD	AFL01	AFL02	AFL03	AFL04	AFL05	AFL06	AFL07	AFL08	AFL09	AFL10

Main tree species (AFL01)

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

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.

Reference period: 2013/2014 Agricultural Season

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

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: 1st May 2014 – 30th 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>											
						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 (see codes below)	Year 1=2014 2=2015	Month (see codes below)		
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 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 = January	1 = Small-scale trader	9 = Directly to miller/processor
3 = Rice	17 = Sweet potato - white or yellow fleshed	2=50kg bag	12=meda		2 = February	2 = Large-scale trader/wholesaler	(delivered to mill/processor gate)
4 = Millet		3=25kg bag	13=bunches		3 = March	3 = Retailer/marketeer	10 = To miller/processor through agent or designated buying point
5 = Sunflower	57 = Sweet potato - orange fleshed	4=10kg bag	14=muchumbu		4 = April	4 = Other households (for consumption)	11 = Out grower
6 = Groundnuts	19 = Kenaf	5=20lt tin	15=ka B.P.		5 = May	5 = Direct sale to FRA	12 = COMACO (Community Markets for Conservation)
7 = Soybeans	20 = Cashew nut	6=90kg bag unshelled	16=crates		6 = June	6 = Sale to FRA through a coop	13 = Schools, hospitals or health centres
8 = Seed cotton	22 = Paprika	7=50kg bag unshelled	17=tonnes		7 = July	7 = NGO/faith-based organization/church	14 = Other (specify) _____
9 = Irish potatoes	60 = Popcorn	8=25kg bag unshelled	18=boxes		8 = August	8 = Cooperative (not destined for FRA)	15=AFGRI
10=Virginia tobacco	61 = Sugarcane	9=10 kg bag unshelled	19=number		9 = September		16=Export Trading Group
11=Burley tobacco	64 = Pigeon peas	10=20lt tin unshelled	20=kilogram		10 = October		17=Amatheon
12=Mixed beans	66 = Sesame				11 = November		
13 = Bambara nuts	21 = Other crop (specify) _____				12 = December		
14 = Cowpeas							
15 = Velvet beans							

SECTION 3: CROP SALES FROM OWN PRODUCTION for Maize and Cassava (1st 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	Enumerator: Look on the sketch on page 6. Did the household have any maize fields in the 2013/14 agric. season? 1=Yes 2=No → go to 3.2 (next page)	HH11a	
3.1.1b	Between 1st May 2014 and 30th April 2015 did the household sell or barter any maize from its own production in the 2013/14 agricultural season? 1=Yes 2=No	HH11b	
3.1.2	Who primarily decided whether or not to sell/barter maize ? (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 1st 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 1st 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? 1=2014 2=2015	In what month did your household sell/barter this maize? (see codes below)	For this transaction how much maize did your household sell/barter?		To whom did your household sell/barter this maize? (see codes below)	How far was the point of sale from the hh's homestead? (1 mile=1.6 kilometer) Enter 0 if at homestead. If "0" → go to MS09 (km)	How much did your household spend per unit to transport the maize from your homestead to the point of sale/barter? If you used your own transport, how much would you have charged someone to transport it?		Was this transaction a cash sale or barter? 1=cash sale 2=barter If = 2 (barter) → go to MS12	What was the price per unit for the cash transaction? (Try to use same unit as MS04)		How many months was it before the hh received payment (cash or in-kind)? Enter "0" if paid within 1 month. Enter "-9" if not yet paid Enter "-8" if paid prior to harvest	Who primarily decided how revenue from this sale was or will be used? (see codes below) (if a current member, select name from drop-down box)
			Quantity	Unit (see codes below)			Transport cost per unit (ZMW)	Unit (see codes below)		Price per unit (ZMW)	Unit (see codes below)		
MZTRANS	MS01	MS02	MS03	MS04	MS05	MS06	MS07	MS08	MS09	MS10	MS11	MS12	MS13
1													
2													
3													
4													
5													
6													
7=rest of sales													

Unit Code (MS04, MS08, MS11)	Month codes (MS02)	Buyer codes (MS05)			Decision (HH12, MS13)
1=90kg bag 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 Enumerator: Check the sketch on page 6. Did the household have any cassava fields during the 2013/14 agricultural season?	<i>I=Yes</i> <i>2=No → go to next page Q3.3</i>	HH21A	
3.2.1b Did the household sell any cassava (raw, cassava chips, or cassava flour) from the beginning of May 2014 to the end of April 2015?	<i>I=Yes</i> <i>2=No</i>	HH21B	
3.2.1c (If HH21B=2, ask) Who primarily decided whether or not to sell any cassava? (see codes below table) (if a current member, select name from drop-down box)	<i>If HH21b = 2 → go to next page Q3.3</i>	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>1=Yes</i> <i>2=No →go to next cassava form</i>	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 <u>LARGEST</u> cash/barter transaction								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>
						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>	
				Quantity sold/ Bartered	Unit <i>(see codes below)</i>	Year	Month <i>(see codes below)</i>	Quantity sold/ bartered	Unit <i>(see codes below)</i>	Price <i>ZMW</i>	Unit <i>(see codes below)</i>			
	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 (<i>orchard or other</i>) and/or vegetables from the beginning of May 2014 to the end of April 2015? SECTION 4, next page	<i>1 = Yes 2 = No → go to</i>	HH22b	
3.3.1c Did the hh irrigate any of the fruits or vegetables?	<i>1=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 4=hand pump or treadle pump</i> <i>2=piped public water 5=irrigation canal</i> <i>3=well/river/stream & bucket 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</i>) (<i>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.</i>) (<i>if a current member, select name from drop-down box</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	29 = Watermelon	6=Fresh groundnuts	38 = Eggplant	51=Impwa	1=90kg bag	13=bunches/bundle	5=at provincial centre	1=Current member of the hh – please select member
23 = Oranges	30 = Mangoes	9=Irish potatoes	39 = Pumpkin	52=Pumpkin leaves	2=50kg bag	/ heaps	6=Lusaka's Soweto Market	8=Non-hh male relative
24 = Bananas	48 = Tangerines	12=Fresh beans	40 = Chilies	53=Sweet potato leaves	3=25kg bag	14=muchumbu	7=other markets in Lusaka	9=Non-hh female relative
25 = Pineapple	49 = Lemons	13=Fresh Bambara nuts	41 = Chomolia	54=Cassava leaves	4=10kg bag	15=ka B.P.	8=Masala or Chisokone market in Copperbelt	10=Non-hh male non-relative
26 = Guavas	50 = Grapefruit	14=Fresh cowpeas	42 = Cauliflower	55=Bean leaves	5=20lt tin	16=crates	9=neighboring country	11=Non-hh female non-relative
27 = Paw Paws	31 = Other fruit	22=Paprika	43 = Carrots	56=Chinese cabbage	6=90kg bag unshelled	17=tonnes	10=outside province but not captured in 6-9 above	13=Other (specify)
28 = Avocado		32 = Cabbage	44 = Lettuce	62=Sugarcane (not scheme)	7=50kg bag unshelled	18=boxes	11=other (specify) _____	
		33 = Rape	45 = Green beans	63=Bondwe / amaranthus	8=25kg bag unshelled	19=number		
		34 = Spinach	46 = Green maize	65=Sweet sorghum	9=10 kg bag	20=kilogram		
		35 = Tomato	47 = Other vegetables		10=20lt tin unshelled	25=packet		
		36 = Onion			11=5lt gallon			
		37 = Okra			12=meda			

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		Did the household hire labour for during the 2013/14 agricultural season? 1=Yes 2=No	What was the total cost to hire labour for this activity for the 2013/14 agricultural season ? (ZMW)
LABOUR		LBR01	LBR02
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
GOVERNMENT										
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									
COMMERCIAL										
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									
GIFTS/FREE/GRANT (excluding Food Security Pack)										
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

4.3 <i>(Enum: Ask if household did not acquire <u>FISP</u> fertiliser for the 2013/14 agricultural season (HH23 = 2 OR (HH23=1 and FERTCH=1 & FR01=2))</i> Why did this household not receive FISP fertiliser in the 2013/14 agricultural season? 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)
---	---	---

4.4 <i>(Enum: Ask if HH did not acquire <u>commercial</u> fertiliser from any source for 2013/14 agricultural season (HH23 = 2 OR (HH23=1 & FR01=2 for FERTCH=3 through 8)</i> What is the most important reason why the household did not purchase fertiliser from a commercial source in the 2013/14 agricultural season?	HH25	
1 = did not have cash 2 = it did not pay, it was not profitable, it was too costly 3 = transport was too expensive 4 = not available in the stores 5 = soil is fertile (do not need fertiliser) 6 = other (specify) _____ 7=did not grow crops and/or maize 8=had enough fertiliser 9=given by others		

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

Table 4.5 Fertiliser prices and transport costs

Reference Period: The Agricultural Season 2013/14

[illegible]

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

Crop		Seed variety	For the largest transaction used to acquire this seed variety, what was the source of seed/ planting material?	For the largest transaction , how far from the homestead was the location where the hh got the seed/ planting material?	For the largest transaction , what type of transaction did the household use to acquire the seed/ planting material?	For the largest transaction , what was the cost per unit 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		Enumerator: Transfer from Tables 2.4 & 2.5 (CM07A & CM07B)	(see codes below) (if ST01 = 7 go to next CROPSEED/VARIETY)	(1 mile =1.6 km) Enter “0” if at homestead (km)	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 Enum: If ST03 > 1 → go to next CROPSEED/VARIETY	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? <i>1 = Yes</i> <i>2 = No → go to next source</i>	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? <i>1=Yes</i> <i>2=No → go to next source of loans/credit</i>	What main type of collateral did your household use to obtain this loan/credit? <i>1=land title</i> <i>2=farm implements/equipment</i> <i>3=vehicle</i> <i>4=house</i> <i>5=animals</i> <i>6=bank account</i> <i>7=salary</i> <i>8=membership in a club/community group/cooperative</i> <i>9=other household assets</i> Enumerator: Enter the appropriate code. Then → go to the next source of loan/credit (LNA).
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.

Animals To be asked if household raised and/or owned the animals	1. Where did your ... mostly graze during the last rainy season? 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)_____	2. Where did your ... mostly graze during the last cold dry season? 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) _____	3. Where did your ... mostly graze during the last hot dry season? 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)_____
GRAZ00	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		Enumerator: Did the HH own any ... between 1st May 2014 and 30th April 2015? (Copy from LS04 in Table 7.2.) Computer will show which livestock were owned. 1 = Yes 2 = No → go to next LSTOCK1	Who primarily decided whether or not to sell any of the ... that were owned by the HH? (see codes below) (if a current member, select name from drop-down box)	How many of the ... owned by the HH were slaughtered for sale/barter between 1st May 2014 and 30 April 2015? (Enter "0" if none)	How many of the owned by the HH were bartered out live between 1st May 2014 and 30 April 2015? (Enter "0" if none)	How many of the owned by the HH were sold live for cash between 1st May 2014 and 30 April 2015? (Enter "0" if none → go to next LSTOCK1)	(Enum: Ask only if sold live animals LS18 > 0) Who did you mainly sell to? 1=Large private firms (eg. Zambeef, Best Beef, Kachema meat etc.) 2=Small livestock traders 3=Other households/individuals	Enumerator: Ask if LS18 > 0 – the last time the hh sold live for cash		
								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 TOTAL 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)
LSTOCK		LS01A	LS15	LS16	LS17	LS18	LS18a	LS19	LS20	LS21
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 Raised <i>Computer will show which livestock were raised.</i>		Did you vaccinate any of your? <i>1=Yes 2=No → go to LSD02</i>	(Ask if LSD01a=1) What was the main source of the vaccines? (see codes below)	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>	(Ask if LSD03=1) What was the main source of the drugs? (see codes below)	How many ... were lost to diseases between 1st May 2014 and 30th April 2015? (Enter "0" if none)	Did the hh de-worm 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)_____

7.5 MILK, EGG, BROILER CHICKEN AND FISH PRODUCTION AND SALES FROM THE BEGINNING OF MAY 2014 TO THE END OF APRIL 2015

7.5.1	<p>(Enumerator: if the household raised and/or owned cattle or goats ask the following; if no, enter 2 and follow skip.)</p> <p>Did the household produce any milk from the beginning of May 2014 to the end of April 2015?</p>	<p>1=Yes 2=No → go to 7.5.2</p>	HH38	
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Table 7.5.1.1 Milk Production and sales *Key Variables: CLUSTER, HH, MEF*

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

[illegible]

7.5.2	Did this household consume and/or sell any eggs from own production from the beginning of May 2014 to the end of April 2015?	<i>1=Yes 2=No → go to 7.5.3</i>	HH39	
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[illegible]

7.5.3	Did this household produce any broiler chickens from the beginning of May 2014 to the end of April 2015?	<i>1=Yes 2=No → go to 7.5.4 (next page)</i>	HH40	
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[illegible]

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: 1st May 2014 (AST04 reference is planting time in previous season – 13/14)*

Type of Assets	Asset code	Did the hh own as at 1 st 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>
	ASSET	AST01	AST02	AST03	AST04
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: 1st May 2014

Type of Assets	Asset code	Did the hh own as at 1 st 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 st 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)				

Enumerator: *Transfer the names of the household members listed in the previous page to this page. If no salaried activities from previous page, → go to Q9.2 .*

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

Table 9.1b Salaried Employment or Informal Wage Labour Activities or Pensions *Key Variables: CLUSTER, HH, MEM, WACT* *Reference Period: 1st May 2014 to 30 April 2015*[illegible]

Salaried Employment or Informal Wage Labour Activities (WACT)		
1=On a smallholder farm <20 ha	6=Private livestock services and processing (eg. Abattoirs, livestock and livestock medicine sales)	11=ZAWA/Village scouts
2=On a commercial farm >=20 ha	7=Employee of private company or individual, excluding agricultural and tourism industries (eg. mine, bank, house help, mechanic, security guard, retail shop, etc.)	12= Casual FRA worker
3=Civil servant excluding ZAWA (eg. Teacher, extension officer, nurse, police, etc.)	8=As a worker in lodges or safari industry (excluding hunting)	13=Other casual work/non-agricultural peicework
4=Parastatal employee (NCZ, FRA, ZESCO)	9=As a worker in a hunting safari	14=Pension
5=Private agricultural/crop firm (eg grain processing, crop input or output handling and sales, crop service firm, etc.)	10=Forest services	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)				

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*

[illegible]

- | | | |
|--|---|--|
| 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? 1=Yes 2=No → go to CR03	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? <u>Do NOT include cattle, goats, pigs, or sheep.</u> 1=Yes 2=No → go to next source	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) Enter "0" if none	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? <u>Do NOT include cattle, goats, pigs, or sheep.</u> (ZMW) Enter "0" if none
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 <u>most important supplier or organizer</u> 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)
	SRCODE	SR01	SR02	SR03	SR04
Zero tillage (excluding chitemene)?	1				
Minimum tillage using planting basins (potholes)?	2				
Minimum tillage using ripping?	3				
Leaving crop residues in the field and incorporating it into the soil?	4				
Using crop residues as mulch (cut and spread on field)?	5				
Rotating cereals with legumes/nitrogen-fixing crops?	6				
Intercropping cereals with legumes/nitrogen-fixing crops?	7				
Applying animal manure?	8				
Applying plant manure/green manure or compost?	9				
Applying lime?	10				
Leaving land fallow to rest the soil?	11				
Growing crops that are well suited to soil and weather conditions in your area?	12				
Agroforestry (Use of trees to protect/improve your crop or crop yields)	13				
Information about the problems associated with aflatoxin in maize and/or groundnuts?	14				
Use of chemical grain protectants (e.g., Actellic chirinda matura dust) to protect maize in storage from weevils?	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)		

10.4.7: Soil and Land Management Practices (SLM)**10.4.7. SLM practices: Adoption vs. dis-adoption** *Key Variables: CLUSTER, HH, CSA00***Reference period: 2013/14 Agricultural Season**

Soil and Land Management Practice Code	SLM practices applied in 2013/14 Agricultural Season			Practice not applied in 2013/14 agricultural season			
	Did this HH implement during the 2013/14 agricultural season? <i>1=Yes 2=No -> skip to CSA04</i>	In which year did this HH begin implementing	Did this HH continue to implement... in the 2014/15 current agricultural season? <i>1=Yes → skip to next practice 2=No → skip to CSA07</i>	Did this HH ever practice in the past (before the 2013/14 agricultural season)? <i>1=Yes-> skip to CSA06 2=No</i>	Up through the 2013/14 agricultural season, what is the main reason why this HH never used ...? <i>(See codes below) Fill and then go to next practice</i>	To which crops did this HH apply in the past (<i>before the 2013/14 agricultural season</i>)? <i>(Select all crops) (See codes below)</i>	What is the main reason why this HH abandoned? <i>(See codes below)</i>
CSA00	CSA01	CSA02	CSA03	CSA04	CSA05	CSA06	CSA07
1=Zero tillage (excluding chitemene)							
2=Planting basins/potholes							
3=Ripping with animal draft power							
4=Ripping with mechanical power							
5=Crop rotation of cereals with legumes/nitrogen-fixing crops							
6=Intercropping of cereals with legumes/nitrogen-fixing crops							
7= Leaving crop residues in field and incorporating into the soil							
8=Using crop residues as mulch (cut and spread on field)							
9=Stone/earthen bunds							
10=Terraces							
11=Drainage ditches							
12=Grass barriers							
13=Contour farming							
14= Agroforestry (use of trees to protect/improve your crop or crop yields)							

Crop codes (CSA05)				Reasons for not using or abandoning practices codes (CSA05, CSA07)	
1 = Maize	8 = Seed cotton	15 = Velvet beans	21 = Other (specify) _____	1= Takes too much land out of crop production	8=Lacked information about the practice
2 = Sorghum	9 = Irish potato	16 = Coffee	22=Paprika	2= Too expensive	9=Stopped receiving or didn't receive inputs or other incentives to use the practice
3 = Rice	10 = Virginia tobacco	17 = Sweet potato – white or yellow-fleshed	60=Popcorn	3= Too difficult to obtain seedlings	10=Other (specify) _____
4 = Millet	11 = Burley tobacco	57 = Sweet potato – orange-fleshed	61=Sugarcane	4=Too difficult to protect seedlings	
5 = Sunflower	12 = Mixed beans	18 = Cassava	64=Pigeon peas	5=Too risky/uncertain due to land tenure insecurity	
6 = Groundnuts	13 = Bambara nuts	19 = Kenaf	66=Sesame	6=Too risky/uncertain for other reasons	
7 = Soybeans	14 = Cowpeas	20 = Cashew nut		7=Too labor intensive/time-consuming	

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

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

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

(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)	Who does -----save or bank with?
	(see codes below)
Member_Code	Bank_Savings

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

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

10.2.5b If No , none of the household members own a cell phone, from whom do you have access to a cell phone? <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>	NOPHONE	
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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>	Has anyone in your hh used the mobile phone to ----- in the past 12 months?
	<i>1=Yes 2=No</i>
Cell UseSource	USEPHONE
Obtain information about farm produce prices	1
Locate buyers for your farm products	2
Assist in running your own non-farm business	3
Send or receive money	4
Do phone banking	5
Get extension information	6
Get weather predictions	7
Other (specify)	8

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

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

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

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

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

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

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

Reference period: NOW

From the homestead, how far is it to the <u>NEAREST</u>?		Distance (1 mile=1.6 kilometers) (<i>Enumerator</i> : Record in kilometers. Enter 0 if less than one km Enter -9 if do not know) (km)	How much time is required to reach this destination using the most common mode of transport used by the HH to reach this destination (including walking as mode)?		
			Mode of transport most commonly used by the HH to reach this destination: 1=Walking 2=Bicycle 3=Ox-cart 4=Canoe 5=Motorized transport 6=Combination of modes	Time (number)	Unit 1=minutes 2=hours
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.

10.6.1 If government could increase its spending, what do you think should be the top priority and second most important priority for additional investment/spending? 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.	GVT01	
	GTV01_1 (other (specify))	
	GVT01a	
	GTV01a_1 (other (specify))	

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

10.6.2 Between October 2011 and today, have any new roads 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>	GVT02	
10.6.2a If yes, who do you attribute this new road to? <i>1=National government 3=Local government council 5=Foreign NGO 7= Private companies, firms, or agro-dealers 8=I don't know</i> <i>2=Member of Parliament 4= Foreign government 6= Zambian NGO 8= Private individuals 9=Other (specify)</i>	GVT02a	

10.6.3 Between October 2011 and today, have any new schools 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>	GVT03	
10.6.3a If yes, who do you attribute this new school to? <i>1=National government 3=Local government council 5=Foreign NGO 7= Private companies, firms, or agro-dealers 8=I don't know</i> <i>2=Member of Parliament 4= Foreign government 6= Zambian NGO 8= Private individuals 9=Other (specify)</i>	GVT03a	

10.6.4 Between October 2011 and today, have any new health centers 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>	GVT04	
10.6.4a If yes, who do you attribute this new health center to? <i>1=National government 3=Local government council 5=Foreign NGO 7= Private companies, firms, or agro-dealers 8=I don't know</i> <i>2=Member of Parliament 4= Foreign government 6= Zambian NGO 8= Private individuals 9=Other (specify)</i>	GVT04a	

10.6.5 Between October 2011 and today, has commercial fertilizer 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>	GVT05	
10.6.5a If more available or less available, who do you attribute this change to? <i>1=National government 3=Local government council 5=Foreign NGO 7= Private companies, firms, or agro-dealers 8=I don't know</i> <i>2=Member of Parliament 4= Foreign government 6= Zambian NGO 8= Private individuals 9=Other (specify)</i>	GVT05a	

10.6.6	Between October 2011 and today, have improved varieties of maize seed from commercial sources 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 3=Local government council 5=Foreign NGO 7= Private companies, firms, or agro-dealers 8=I don't know</i> <i>2=Member of Parliament 4= Foreign government 6= Zambian NGO 8= Private individuals 9=Other (specify)</i>	GVT06a	
10.6.7	Between October 2011 and today, has it become easier or more difficult to sell maize or other crops for a good price 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 3=Local government council 5=Foreign NGO 7= Private companies, firms, or agro-dealers 8=I don't know</i> <i>2=Member of Parliament 4= Foreign government 6= Zambian NGO 8= Private individuals 9=Other (specify)</i>	GVT07a	
10.6.8	Between October 2011 and today, has agricultural extension advice 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 3=Local government council 5=Foreign NGO 7= Private companies, firms, or agro-dealers 8=I don't know</i> <i>2=Member of Parliament 4= Foreign government 6= Zambian NGO 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 rent out its largest maize field in the 2013/14 agricultural season to someone else to use for one season, how much could the hh have charged? (ZMW)	HH07	
10.7.3	In your perception, do village headmen/authorities still have unallocated arable land that could be given to households in this area? <i>1=Yes 2=No →go to 10.7.5</i>	HH09a	
10.7.4	(If yes to 10.7.3) If your hh wanted more land , could some of this unallocated land be allocated to this household for cropping purposes? <i>1=Yes 2=No</i>	HH09b	
10.7.5	Is it possible to change the tenure status of customary land in this village (i.e. to convert customary land into titled property)? <i>1=Yes 2=No 3=Don't know</i>	HH10a	
10.7.6	Is it possible to buy or sell customary land in this village, without first changing it to titled land? <i>1=Yes 2=No 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? 1=Yes 2=No → go to next purch	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? (see codes below)	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? (see codes below)
			Quantity Enter "0" if none → go to P06	Unit (see codes below)	What was the average price per unit? (ZMW)		Quantity Enter "0" if none → go to next product	Unit (see codes below)	What was the average price per unit? (ZMW)	
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 PRIMARY 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 not have enough food to meet its family's needs?	<i>1=Yes 2=No → go to Q 12.3</i>	HH49	
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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>
FS_ID		FOODNEED
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 headman/headwoman in this village/locality related to the head 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 relationship of the headman/headwoman to the head 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 headman in this village/locality related to the spouse 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 relationship of the headman to the spouse of the household head? <i>1=Blood tie 2=Marital tie</i>	HH50D	

Chief questions

13.1.2A	Is the chief in this village/locality related to the head of this household? <i>1=Yes 2=No → go to 13.1.2C 3=Respondent is chief 4=no chief → go to 13.2.2</i>	HH51A	
13.1.2B	(If yes) What exactly is the relationship of the chief to the head 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 chief in this village/locality related to the spouse 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 relationship of the chief to the spouse 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 tribe of the (see codes below) (For polygamous households, ask about the most senior wife)	Current head	HH53A	
	Current spouse (not available if there is no spouse)	HH53B	

Tribe Codes (HH53A, HH53B)				
<u>BEMBA-SPEAKING</u>	<u>TONGA-SPEAKING</u>	<u>BAROTSE LANGUAGE GROUP</u>	<u>NYANJA-SPEAKING</u>	<u>TUMBUKA-SPEAKING</u>
13=Ambo	25=Gowa	41=Imilangu	48=Chewa	60=Senga
01=Bemba	22=Ila	37=Koma	53=Chikunda	59=Tumbuka
04=Bisa	20=Lenje	36=Kwandi	52=Kunda	61=Yombe
17=Bwile	24=Sala	35=Kwangwa	50=Ngoni	
06=Chishinga	21=Soli	43=Lozi	49=Nsenga	
09=Kabenda	23=Toka-Leya	34=Luyana Sub-Group	51=Nyanja	
03=Lala	19=Tonga	47=Mashasha		
08=Lamba		42=Mashi		
14=Lima		40=Mwenyi	<u>MAMBWE LANGUAGE GROUP</u>	<u>OTHER</u>
18=Luano	<u>NORTHWESTERN GROUP</u>	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 head considered local or non-local?	<i>1=Local</i>	<i>2=Non-local</i>	HH54	
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13.2.3a	Did the head grow up in this area?	<i>1=grew up in this area</i>	<i>2= came to settle here later → skip to 13.2.3c</i>	HH54A	
13.2.3b	Has the head lived elsewhere for two or more years?	<i>1=yes</i>	<i>2= No → skip to 13.2.4a</i>	HH54B	

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

13.2.4a	In what year did the household head settle in this village/locality ? Enter -9 if the head was born here (year)	HH55a	
13.2.4b	What was the main reason that the household head settled in this village/locality ? (see codes below)	HH55b	

Reason why settled in this village/locality (HH55b)	
1= Head was born in this area (always lived here)	11= Inherited land/assets
2= Family/clan hails from this area (hhd head grew up elsewhere)	12= Displacement
3= Worsening weather pattern for farming in previous location	13= Better infrastructure access (health centres, schools, electricity)
4= Improved farming opportunities (access to farm inputs, market opportunities)	14= Illness
5= Land availability	15= Land is more fertile in this area
7= Retirement	16= Agricultural employment
8= Followed spouse to that area	17= Non-agricultural employment
9= Followed relatives who settled here	18= Other (specify) _____
10= Land disputes in previous location	

13.2.4c	Of the following reasons for coming here which one would you consider the most important? (Enum: Read the responses and ask them to choose the best answer)	HH55c	
	1. To obtain wage income (i.e. <u>work</u>) 4. Other reason _____ 2. To obtain <u>land</u> 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 spouse moved to the other spouse's village ? 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	HH56	
13.3.2	Is this a matrilineal or patrilineal household? Enumerator: Definition Matrilineal , descent is established by tracing family roots exclusively through females from a founding female ancestor . 1= Matrilineal Patrilineal , descent is established by tracing family roots exclusively through males from a founding male ancestor . 2= Patrilineal 3= Not clear	HH57	

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 living brothers (from the nuclear family) does the male household head / male spouse have?	HH58	
13.4.1b	How many total living sisters (from the nuclear family) does the male household head / male spouse have?	HH59	
13.4.2a	How many total living brothers (from the nuclear family) does the female household head / female spouse have? (For polygamous households, ask about the most senior wife)	HH60	
13.4.2b	How many total living sisters (from the nuclear family) does the female household head / female spouse have? (For polygamous households, ask about the most senior wife)	HH61	

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

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	(Enumerator: Ask only for members who died between May 2014 & April 2015 & year of birth (PD04) is 2008 or earlier (i.e., age was 6 and above)).			
								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

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

END INTERVIEW - THANK THE RESPONDENT FOR PARTICIPATING IN THE SURVEY