

Strictly Confidential



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

**Informed Consent Form for Food Security Cooperative Agreement Surveys in Africa**

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

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

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

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

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

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

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

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

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

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

TABLE 1.1 (Continued)

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

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

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

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

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

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

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

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

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

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

<b>HH02a</b>	<b>HH02b</b>
<i>MEM:</i>	<i>Name:</i>

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

<b>HH03a</b>	<b>HH03b</b>
<i>MEM:</i>	<i>Name:</i>

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

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

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

Relationship to head (DC03)			Formal School education levels (DC05)			
1= head	4= parent /parent-in-law	7= unrelated	00=None	02=Standard 1; Grade 2	05=Standard 4; Grade 5	08=Form 1; Grade 8
2= spouse	5= brother/sister		01=Sub-standard A; Grade 1	03=Standard 2; Grade 3	06=Standard 5; Grade 6	
3= child (own/step)	6= other relative		01=Sub-standard B; Grade 1	04=Standard 3; Grade 4	07=Standard 6; Grade 7	

**SECTION 2: FARM LAND AND USE**

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

**Table 2.1 All fields** Key Variables: CLUSTER, HH, FIELDTP

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

**Reference Period: 2010/2011 agricultural season (1<sup>st</sup> October 2010 – 30<sup>th</sup> September 2011)**

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

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

HH04	
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**Enumerator:** Ask the respondent to give you the details about all of those fields.

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

**Table 2.2.1 Fields**

Key Variables: CLUSTER, HH, FIELD

Reference Period: 2010/2011 agricultural season

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

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

**Table 2.2.1 Fields (continued)**

Key Variables: CLUSTER, HH, FIELD

Reference Period: 2010/2011 agricultural season

Field ID	<i>Enumerator: What is the land-use of this field? Transfer land use from the field sketch.</i>		<i>Enumerator: What is the area of this field? Transfer from the sketch.</i>		Who primarily decided how to use this field?  (see codes below)	What is the tenure status of this field?  1=state land titled 2=former customary land titled 3=customary no title 4=I don't know (for F01=11 or 12 only) 5=other (specify) _____  (If F01 = 11 or 12 → go to next field)	How did this household acquire this field?  1=purchased 2=inherited 3=allocated / given 4=rented / borrowed 5=just walked in 6=other (specify) _____	From whom did this household obtain this field?  (see codes below)  (If F01=9-virgin land → go to F15)	Was this field in a wetland/dambo area?  1=Yes 2=No	Did the HH irrigate this field?  1=Yes 2=No	Is this field prone to soil erosion and/or flash flooding?  1=Yes 2=No	What, if anything, did the hh do to prevent soil erosion and/or flash flooding in this field?  (see codes below)	What main type of tree did the hh use to protect or improve the harvest?  (see codes below)	What main crop or use did the hh put this field to in the 2009/10 agricultural season (2 seasons ago)?  (see crop/use codes below)	How was the crop/field residue from this field from the 2009/10 agricultural season (2 seasons ago) mainly used or disposed of?  (see codes below)	What main crop or use did the hh put this field to this agricultural season (2011/12)?  (see crop/use codes below)
	F01	F02	F03	F04												
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																

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



**Seed variety codes (CM07A)**

Maize	Maize (cont'd)	Maize (cont'd)	Sorghum	Soyabeans	Cotton	
68 = Local maize 69 = Hybrid maize - non specific 70 = Recycled hybrid maize 71 = OPV maize	<u>PANNAR</u> 186=PAN 4M - 17 187=PAN 4M - 19 188=PAN 6M - 55 225=PAN 7M - 89 152=PAN 7M - 97 189=PAN 8M - 91 190=PAN 8M - 95 31 = PAN 14 (Y) 191=PAN 53 192=PAN 57 29 = PAN 61 24 = PAN 64 22 = PAN 67 - African Queen 153 = PAN 69 149 = PAN 77 26 = PAN 87 193=PAN 413 150 = PAN 5503 151 = PAN 6017 23 = PAN 6243 - in a class of its own 20 = PAN 6363 - Chipolopolo 25 = PAN 6479 21 = PAN 6549 - Mr. Reliable 27 = PAN 6573 28 = PAN 6777 30 = PAN 6823 154=PAN 6966 (Y)	<u>SEED-CO</u> 56 = SC 206 (Y) 47 = SC 401 48 = SC 403 49 = SC 405 50 = SC 407 198=SC 411 42 = SC 501 55 = SC 506 (Y) 44 = SC 513 43 = SC 515 45 = SC 517 46 = SC 521 199=SC 525 40 = SC 601 53 = SC 602 (Y) 54 = SC 604 (Y) 41 = SC 621 39 = SC 625 38 = SC 627 155=SC 633 200=SC 637 36 = SC 701 51 = SC 704 (Y) 52 = SC 706 (Y) 37 = SC 707 32 = SC 709 35 = SC 711 33 = SC 713 34 = SC 715 201=SC 719	<u>ZAMSEED</u> 75 = KUYUMA 76 = SIMA 77 = ZSV 15 78 = WP 13 162 = MMSH 375 163 = MMSH 413	<u>ZAMSEED</u> 165 = HERNON-147 103 = KELEYA 233 = Lukanga 104 = MAGOYE	<u>SEED-CO</u> 105 = STORM 106 = SOLITAIRE 107 = SOPRANO 108 = SAFARI	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY
ZAMSEED 1 = Pool 16 (OP) 19 = GV 61 Yellow 6 = GV 408 3 = GV 412 5 = GV 470 12 = GV 512 13 = GV 607 14 = GV 702 15 = GV 703 18 = GV 704 16 = GV 722 4 = MM 441 7 = MM 501 8 = MM 502 9 = MM 601 10 = MM 603 11 = MM 604 177=MM 606 17 = MM 752 2 = MMV 400 (OP) 178= MMV 600 (OP) 141 = ZMS 402 179= ZMS 510 180= ZMS 528 181= ZMS 602 142 = ZMS 606 143 = ZMS 607 182= ZMS 616 144 = ZMS 737 145 = ZMV 600 224 = ZMS 638	<u>MRI</u> 194=MRI EP (OP) 195=MRI MP (OP) 196=MRI 404 67 = MRI 455 66 = MRI 514 157=MRI 534 65 = MRI 594 241=MRI 604 63 = MRI 611 64 = MRI 614 62 = MRI 624 61 = MRI 634 158=MRI 644 60 = MRI 651 (Y) 159 = MRI 694 197= MRI 704 161 = MRI 711 (Y) 160 = MRI 714 57 = MRI 724 59 = MRI 734 58 = MRI 744	<u>Progene Seeds</u> 202=PGS 53	<u>Sunflower</u> 90 = Local sunflower 91 = Hybrid sunflower 92 = Recycled hybrid sunflower 93 = OPV sunflower	<u>SEED-CO</u> 166 = DINA 167 = MILA	<u>Sweet potato - white or yellow-fleshed</u> 300= Chingovwa/Lusaka/Simama/ Solwezi/Kakokola (yellow) 301 = Mulungushi (yellowish) 302 = Lukulu (white) 303 = Mwandeaba (white) 304 = Lunga (white) 305 = Other white-fleshed variety 306 = Other yellow-fleshed variety	
<u>ZARI-MAL</u> 146 = ZM 421 147 = ZM 521 (OP) 148 = ZM 621	<u>Monsanto</u> 203=DK 8031 204=DK 8051 205=DK 8071 206=DKC 8033 207=DKC 8053 208=DKC 8073	<u>Pioneer</u> 226=P2859W 227=PHB30B50 (Y) 228=PHB30D79 229=PHB30G19 230=PHB3253	<u>Groundnuts</u> 99 = Local groundnuts 100 = Hybrid groundnuts 101 = Recycled hybrid groundnuts 102 = OPV groundnuts	<u>SEED-CO</u> 115 = Local cowpeas 116 = Hybrid cowpeas 117 = Recycled hybrid cowpeas 118 = OPV cowpeas	<u>Sweet potato - orange-fleshed</u> 307 = Kalungwishi (light orange) 308 = Zambezi (orange) 309 = Lukusashi (light orange) 310 = Other orange-fleshed variety	
<u>AFGRI Cooperation</u> 183= AFRIC 1 (OP) 184 = AFG 4611 185 = AFG 4663	<u>KAMANO</u> 235=KAM 601 236=KAM 602 237=KAM 701 240=Obantapa		<u>Groundnuts</u> 94 = CHIPEGO 95 = MGV-4 96 = CHALIMBANA (aka Congo) 97 = FLAMINGO 98 = NYANDA 220 = CHISHANGO 221 = ICGVSM-99-568 (aka ICGV-99) 222 = KATETE - ICG 12991 223 = MGV-5 232 = NATAL COMMON 238 = KANJUTE 239 = MAKURU RED	<u>SEED-CO</u> 119 = LUTEMBWE 114 = BUBEBE	<u>Other crops not listed</u> 134= Local 135= Improved	
				<u>ZAMSEED</u> 109 = Local soyabeans 110 = Hybrid soyabeans 111 = Recycled hybrid soyabeans 112 = OPV soyabeans	<u>SEED COMPANIES</u> 134= Local 135= Improved	
				<u>MRI</u> 166 = DINA 167 = MILA	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
				<u>SEED-CO</u> 105 = STORM 106 = SOLITAIRE 107 = SOPRANO 108 = SAFARI	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
				<u>Cowpeas</u> 115 = Local cowpeas 116 = Hybrid cowpeas 117 = Recycled hybrid cowpeas 118 = OPV cowpeas	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
				<u>ZAMSEED</u> 87 = PAN 7369 88 = PAN 7353 89 = PAN 7351	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
				<u>Tobacco</u> <u>BURLEY Tobacco</u> 119=Bunckett 120=BO 1 121=BO 2 122=BO 3 123=A 1 124=A 2 125=A3 234=MW86	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
				<u>ZAMSEED</u> 113 = LUTEMBWE 114 = BUBEBE	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
				<u>Tobacco</u> <u>BURLEY Tobacco</u> 119=Bunckett 120=BO 1 121=BO 2 122=BO 3 123=A 1 124=A 2 125=A3 234=MW86	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
				<u>ZAMSEED</u> 113 = LUTEMBWE 114 = BUBEBE	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
				<u>Tobacco</u> <u>BURLEY Tobacco</u> 119=Bunckett 120=BO 1 121=BO 2 122=BO 3 123=A 1 124=A 2 125=A3 234=MW86	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
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				<u>ZAMSEED</u> 113 = LUTEMBWE 114 = BUBEBE	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
				<u>Tobacco</u> <u>BURLEY Tobacco</u> 119=Bunckett 120=BO 1 121=BO 2 122=BO 3 123=A 1 124=A 2 125=A3 234=MW86	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
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				<u>Tobacco</u> <u>BURLEY Tobacco</u> 119=Bunckett 120=BO 1 121=BO 2 122=BO 3 123=A 1 124=A 2 125=A3 234=MW86	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
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				<u>Tobacco</u> <u>BURLEY Tobacco</u> 119=Bunckett 120=BO 1 121=BO 2 122=BO 3 123=A 1 124=A 2 125=A3 234=MW86	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
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				<u>Tobacco</u> <u>BURLEY Tobacco</u> 119=Bunckett 120=BO 1 121=BO 2 122=BO 3 123=A 1 124=A 2 125=A3 234=MW86	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
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				<u>Tobacco</u> <u>BURLEY Tobacco</u> 119=Bunckett 120=BO 1 121=BO 2 122=BO 3 123=A 1 124=A 2 125=A3 234=MW86	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
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				<u>Tobacco</u> <u>BURLEY Tobacco</u> 119=Bunckett 120=BO 1 121=BO 2 122=BO 3 123=A 1 124=A 2 125=A3 234=MW86	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	
				<u>ZAMSEED</u> 113 = LUTEMBWE 114 = BUBEBE	<u>SEED COMPANIES</u> 136= ZAMSEED 137= PANNAR 138= SEED-CO 139= MRI 209= AFGRI Coop 210= MONSANTO 211= PROGENE SEEDS 212= PIONEER 213= KAMANO 214= OTHER COMPANY	









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

**2.7.1 Enumerator:** Look on the sketch on page 6. Did the household have any **maize** fields in the 2010/2011 agric. season? 1=Yes  
2=No → go to SECTION 2.8 (below) HH06

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

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

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

**Main type and source of power (VLABI)**

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

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

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

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

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

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

**Main source of labour**  
(LABSRC01, LABSRC02, LABSRC03, LABSRC04, LABSRC05)

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

## 2.9 Land use and land markets

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

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

**SECTION 3: CROP SALES FROM OWN PRODUCTION (1<sup>st</sup> of May 2011 to end of April 2012 Marketing Season)**

**3.1 Maize sales**

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

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

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

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

Unit Code (MS04, MS08, MS11)	Month codes (MS02)	Buyer codes (MS05)		Decision (HH12, MS13)
1=90kg bag 2=50kg bag 11=5lt gallon 3=25kg bag 12=MEDA 4=10kg bag 17=tonnes 5=20lt tin 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)	1=Male head of hh 7=Other female hh member 2=Female spouse of male head 8=Non-hh male relative 3=Female head of hh 9=Non-hh female relative 4=Male spouse of female head 10=Non-hh male non- relative 5=Both head and spouse 11=Non-hh female non-relative 6=Other male hh member



**3.3 Storage of maize and groundnuts**

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

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

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

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

**3.4. Cassava Sales**

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

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

**Table 3.4.2 Cassava Sales from Own Production.** Key Variables CLUSTER, HH, CROPC Reference period: Beginning of May 2011 to the end of April 2012

Cassava form	Between 1st May 2011 and 30th April 2012, did the HH sell or exchange any ....? <i>I=Yes 2=No → go to next cassava form</i>	Who primarily decided to sell ....? <i>(see codes below)</i>	What is the total quantity of .... the HH sold for cash and/or bartered for goods and/or labour from May 2011 to April 2012?		Ask the following questions for the <b>LARGEST</b> cash/barter transaction									
			Quantity sold/ Bartered	Unit <i>(see codes below)</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) (km)</i>	Who primarily decides how revenue from this sale was or will be used? <i>(see codes below. If 5= both head &amp; spouse, probe further)</i>	
					Year	Month <i>(see codes below)</i>	Quantity sold/ bartered	Unit <i>(see codes below)</i>	Price ZMK	Unit <i>(see codes below)</i>				
	CROPC	CSS01	CSS02	CSS03	CSS04	CSS05	CSS06	CSS07	CSS08	CSS09	CSS10	CSS11	CSS12	CSS13
Raw cassava	18													
Cassava chips	81													
Cassava flour	80													

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



**SECTION 4: FERTILISER ACQUISITION (2010/2011)**

4.1 Did the household **acquire fertiliser from any source** for the **2010/2011** agricultural season? 1 = Yes      2 = No → go to 4.3 HH23

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

Reference Period: The 2010/2011 Agricultural Season

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

**4.3 (Enum: Ask if household did not acquire FISP fertiliser for the 2010/11 agricultural season (HH23 = 2 OR (HH23=1 and FERTCH=1 & FR01=2))** HH24  
**Why did this household not receive FISP fertiliser in the 2010/2011 agricultural season?**

- |  |                                      |   |
|--|--------------------------------------|---|
| 1=not eligible                                     | 5=don't know                         | 8=denied cooperative membership for reasons other than cost of membership |
| 2=could not afford cooperative membership          | 6=could not afford FISP down payment | 9=didn't want to be member of cooperative                                 |
| 3=didn't want to get FISP because of late delivery | 7=FISP fertiliser not available      | 10=soil is fertile (do not need fertiliser)                               |
| 4=didn't want to get FISP for other reasons        |                                      | 11=other (specify) _____  |

**4.4 (Enum: Ask if HH did not acquire commercial fertiliser from any source for 2010/11 agricultural season (HH23 = 2 OR (HH23=1 & FR01=2 for FERTCH=3 through 8))** HH25  
**What is the most important reason why the household did not purchase fertiliser from a commercial source in the 2010/11 agricultural season?**

- |  |                                 |  |
|--|---------------------------------|--|
| 1 = did not have cash  | 3 = transport was too expensive | 5 = soil is fertile (do not need fertiliser) |
| 2 = it did not pay, it was not profitable, it was too costly | 4 = not available in the stores | 6 = other (specify) _____                    |





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

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

*Key Variables: CLUSTER, HH, LNA*

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



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

**Table 7.3 Livestock sales**

Key Variables: CLUSTER HH, LSTOCK1

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

Livestock Owned	LSTOCK1	LS01A	LS15	LS16	LS17	LS18	Enumerator: Ask if LS18 > 0 – the last time the hh sold live for cash		
							LS19	LS20	LS21
<b>Cattle</b>	1								
<b>Goats</b>	2								
<b>Pigs</b>	3								
<b>Sheep</b>	4								
<b>Village Chickens</b>	6								

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

7.3.1	( <i>Enumerator: Ask if LS08 &gt; 0 and/or LS12 &gt; 0 for LSTOCK=1 (CATTLE) in Table 7.2 and/or LS16 &gt; 0 for LSTOCK1=1 in Table 7.3</i> ) From all the <b>cattle</b> that were <b>slaughtered or died</b> between 1st May 2011 and 30th April 2012, <b>how many skins/hides</b> were sold? Enter "0" if none → go to 7.3.3 (Number)	HH34	
7.3.2	(Ask if HH34 > 0) What was the <b>TOTAL</b> value in <b>ZMK</b> of the <b>cattle skins/hides</b> sold between 1st May 2011 and 30th April 2012? Enter -9 if not yet paid (ZMK)	HH35	
7.3.3	( <i>Enumerator: Ask if LS08 &gt; 0 and/or LS12 &gt; 0 for LSTOCK=2 (GOATS) in Table 7.2 and/or LS16 &gt; 0 for LSTOCK1=2 in Table 7.3</i> ) From all the <b>goats</b> that were <b>slaughtered or died</b> between 1st May 2011 and 30th April 2012, <b>how many skins/hides</b> were sold? Enter "0" if none → go to 7.4 (Number)	HH36	
7.3.4	(Ask if HH36 > 0) What was the <b>TOTAL</b> value in <b>ZMK</b> of the <b>goats skins/hides</b> sold between 1st May 2011 and 30th April 2012? Enter -9 if not yet paid (ZMK)	HH37	

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

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

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

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

Livestock Raised		<p><i>Enumerator: Did the HH raise any ... between 1st May 2011 and 30th April 2012?</i></p> <p><i>(Copy from LS01 in Table 7.2)</i></p> <p><i>1=Yes</i> <i>2=No → go to next LSTOCK2</i></p>	<p>Were any of the ..... that the HH was raising infected by disease?</p> <p><i>1=Yes</i> <i>2=No → go to LSD06</i></p>	<p><b>How were these animals treated?</b></p> <p><i>1=Veterinary drugs/vaccines</i> <i>2=Traditional medicines → go to LSD05</i> <i>3=Not treated → go to LSD05</i></p>	<p><i>(Ask if LSD03=1)</i></p> <p><b>What was the main source of the drugs/vaccines?</b></p> <p><i>1=Fellow farmer</i> <i>2=Paravets</i> <i>3=Veterinary Dept</i> <i>4=Agro-dealer /private retail firm</i> <i>5=Trader</i> <i>6=NGO / faith-based organization / church</i> <i>7=Livestock Services (Lusaka Showgrounds)</i> <i>8=Livestock service center</i> <i>9=Other sources (specify) _____</i></p>	<p>How many ... were lost to diseases between 1st May 2011 and 30th April 2012?</p> <p><i>(Enter "0" if none)</i></p>	<p>Did the hh deworm its ..... at any time between 1st May 2011 and 30th April 2012?</p> <p><i>1=Yes</i> <i>2=No</i></p>	<p><b>What main method of tick/flea control does the hh practice?</b></p> <p><i>1=Dipping</i> <i>2=Spraying</i> <i>3=Pour-on</i> <i>4=Hand dressing</i> <i>5=Injectable</i> <i>6=None</i></p>
LSTOCK2		LSD01	LSD02	LSD03	LSD04	LSD05	LSD06	LSD07
Cattle	1							
Goats	2							
Pigs	3							
Sheep	4							
Village chickens	6							

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

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

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

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

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

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

Primary decision-maker codes (LV16)		
1=Male head of hh	5=Both head and spouse	9=Non-hh female relative
2=Female spouse of male head	6=Other male hh member	10=Non-hh male non- relative
3=Female head of hh	7=Other female hh member	11=Non hh female non-relative
4=Male spouse of female head	8=Non-hh male relative	

7.5.4 From the beginning of May 2011 to the end of April 2012 did this household harvest any fish from fishponds owned or managed by the household? 1=Yes 2=No → go to SECTION 8

HH41

Table 7.5.4.1 Value of sales and consumption of fish from fishponds Key Variables: CLUSTER, HH, FISH Reference Period: Beginning of May 2011 to end of April 2012

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

**Primary decision-maker codes (FSH13)**

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

**SECTION 8. HOUSEHOLD ASSETS / IMPLEMENTS**

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

**Table 8.1 Assets**

*Key Variables: CLUSTER, HH, ASSET*

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

*Reference period: 1<sup>st</sup> May 2011*

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

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

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

**Table 9.1a Salaried and informal wage labour activities.**

*Reference period: beginning of May 2011 to the end of April 2012*

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



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

**Table 9.2a Business activities**

*Reference period: beginning of May 2011 to the end of April 2012*

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



**9.3 Cash and commodities received by household from others**

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

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

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

**SECTION 10: QUESTIONS ABOUT AGRICULTURAL INFORMATION, DISTANCES TO AND COST OF AGRICULTURAL SERVICES**

**10.1** Please tell us about the **advice/information the household received from organizations, private agents or individual farmers.**

**Table 10.1 Advice/Information Provision**

*Key Variables: CLUSTER, HH, SRCODE*

*Reference Period: OPEN*

Type of Advice/Information	Has any member of the hh ever...?  <i>1 = Yes 2 = No → go to next type of advice</i>	Who was the <b>most important supplier or organizer</b> of this advice/information?  <i>(see code below)</i>	How did the hh receive this advice/information?  <i>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)</i>	
	SRCODE	SR01	SR02	SR03
Received any advice on <b>conservation farming</b> ?	1			
Received any information about the <b>problems</b> associated with <b>aflatoxin in maize</b> and/or <b>groundnuts</b> ?	2			
Received any advice to <b>use chemical grain protectants</b> (e.g., Actellic chirinda matura dust) to <b>protect maize in storage from weevils</b> ?	3			

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

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

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

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

<b>10.3.1</b> Is anyone in this household a member of a <b>farmer cooperative, farmer group, and/or farmer association</b> ?	<i>1 = Yes 2 = No</i>	<b>HH46</b>	
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<b>10.3.2</b> Is anyone in this household a member of a <b>women's group</b> ?	<i>1 = Yes 2 = No</i>	<b>HH47</b>	
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<b>10.3.3</b> Is anyone in this household a member of a <b>local savings and loan society</b> ?	<i>1 = Yes 2 = No</i>	<b>HH48</b>	
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**10.4 Proximity to Food Reserve Agency buying points & maize market access**

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

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

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

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

*Reference period: NOW*

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

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

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

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

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

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

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

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

**Table 11.2.1: Wild Products & Charcoal**

*Key variables: CLUSTER, HH, WILD*

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

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

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

**SECTION 12: MONTHS OF ADEQUATE HOUSEHOLD FOOD PROVISIONS**

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

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

**Table 12.2 Food needs** Key Variables: CLUSTER, HH, MONTH Reference Period: Beginning of May 2011 to end of April 2012

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

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

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

*Headman questions*

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

*Chief questions*

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

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

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

**13.2 Tribal groups and migration**

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

Tribe Codes (HH53A, HH53B)				
<b><u>BEMBA-SPEAKING</u></b>	<b><u>TONGA-SPEAKING</u></b>	<b><u>BAROTSE LANGUAGE GROUP</u></b>	<b><u>NYANJA-SPEAKING</u></b>	<b><u>TUMBUKA-SPEAKING</u></b>
13=Ambo	25=Gowa	41=Imilangu	48=Chewa	60=Senga
01=Bemba	22=Ila	37=Koma	53=Chikunda	59=Tumbuka
04=Bisa	20=Lenje	36=Kwandi	52=Kunda	61=Yombe
17=Bwile	24=Sala	35=Kwangwa	50=Ngoni	
06=Chishinga	21=Soli	43=Lozi	49=Nsenga	
09=Kabenda	23=Toka-Leya	34=Luyana Sub-Group	51=Nyanja	
03=Lala	19=Tonga	47=Mashasha		
08=Lamba		42=Mashi		
14=Lima		40=Mwenyi	<b><u>MAMBWE LANGUAGE GROUP</u></b>	<b><u>OTHER</u></b>
18=Luano	<b><u>NORTHWESTERN GROUP</u></b>	46=Nkoya	54=Lungu	63=Kaonde-Ila
02=Lunda (Luapula)	32=Chokwe	38=Nyengo	55=Mambwe	62=Shona
12=Mukulu	33=Kaonde Sub-Group	39=Simaa	56=Namwanga	
07=Ngumbo	29=Luchazi	45=Subiya	58=Tambo	64=Other
15=Shila	27=Lunda (North-Western)	44=Totela	57=Wina	
11=Swaka	26=Luvale			
10=Tabwa	31=Mbowe			
16=Unga	28=Mbunda			
05=Ushi	30=Ndembu			

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

**13.3 Matrilocal/patrilocal and matrilineal/patrilineal questions**

13.3.1 At the time of the marriage of the head, which <b>spouse moved to the other spouse's village</b> ? <i>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 4=head never married</i>	HH56	
13.3.2 Is this a <b>matrilineal</b> or <b>patrilineal</b> household? <i><b>Enumerator:</b> 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</i>	HH57	

**13.4 Inheritance and extended family**

13.4.1a How many total <b>living brothers</b> (from the nuclear family) does the <b>male household head / male spouse</b> have? <i>(enter -9 if no current male head/spouse)</i>	HH58	
13.4.1b How many total <b>living sisters</b> (from the nuclear family) does the <b>male household head / male spouse</b> have? <i>(enter -9 if no current male head/spouse)</i>	HH59	
13.4.2a How many total <b>living brothers</b> (from the nuclear family) does the <b>female household head / female spouse</b> have? <i>(For polygamous households, ask about the most senior wife) (enter -9 if no current female head/spouse)</i>	HH60	
13.4.2b How many total <b>living sisters</b> (from the nuclear family) does the <b>female household head / female spouse</b> have? <i>(For polygamous households, ask about the most senior wife) (enter -9 if no current female head/spouse)</i>	HH61	
13.4.3 Has this household ever received an inheritance either in the form of <b>land or cattle</b> ? <i>1= Yes 2=No → go to SECTION 14</i>	HH62	

*(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 4=square meter 2=acre 5=number of cattle 3=hectare
INHERIT	IH01	IH02	IH03

**SECTION 14 – Previous deaths**

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

**14.1** Since **May 2008** has there been **anyone** - child or adult member of the household - who died? *1=Yes 2=No → go to SECTION 15*

<b>HH63</b>	
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Please tell us about them starting from the most recent.

**Table 14.1.1 Deaths within the household**

*Key variables: CLUSTER, HH, PDCODE*

*Reference Period: Since May 2008*

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

**SECTION 15 – Building materials for the main house**

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

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

**END INTERVIEW - THANK THE RESPONDENT FOR PARTICIPATING IN THE SURVEY**