



REPUBLIC OF ZAMBIA
Central Statistical Office
Rural Incomes and Livelihoods Survey 2004
Second Supplemental Survey to the 1999/2000 Post Harvest Survey
(for small and medium scale holdings)

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 small 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 7,000 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. Peter Vasitenko at 517 355 2180.

1.	Province	PROV			
2.	District	DIST			
3.	CSA Number	CSA			
4.	SEA Number	SEA		—	
5.	Household Serial Number	HH			
6.	Village / Locality	VIL			
7a.	Name of Household Head in 2001	HH_2001			
7b.	Is still the household head	(1 = Yes---->Go to Q10b 2 = No)	STILL_HH		
7c.	Name of current Household Head	HH_2004			
8.	Was the new head or any of the present members listed in 2001 Survey? CONFIRM WITH THE LIST	(1=Yes 2=No, END interview)	SAME_HH		
9.	Category	(1=A: Small, 2= B: Medium)	CATEGORY		
Enumerator: Please ask if this household was interviewed by CSO in April 2001 for the agricultural survey. If possible, interview the same main respondent who participated in that survey. Complete 11 and 12 after Interview.					
10a.	Name of main Respondent in 2001, to be pre-entered	RESP2001			
10b.	Is this person, the same main respondent who participated in the April 2001 survey? (if it is not the same person, then if possible, ask for that person to be present)	(1=Yes, GO TO Section 1; 2=No)	SAMERESP		
10c.	Name of current respondent	RESP2004			
11.	RESPONSE STATUS	1=Complete 2=Refusal	3=Moved out of SEA 4=Household dissolved	5=Non-contact	RESPONSE
12.	ASSIGNMENT RECORD				
a.	Name of Enumerator	ENCODE		Date completed	Day/ Mon/ Year
b.	Name of Supervisor	SPCODE		Date checked	

SECTION 1: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS

1.1 Adults born in or before 1992 (12 years and above) that were listed in April 2001. *Include new or additional adult members in the next table (Table 1.2).*

Enumerator: Record the MEM # of the person who is the respondent for this questionnaire

HH00	
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Tell us about each member of the household listed in 2001. **If this household is part of a polygamous family, ask only about the household members residing at this particular household.**

Table 1.1 Key variables: PROV, DIST, CSA, SEA, HH, MEM Reference Period: The Past 12 months April 2003 to March 2004

ID	Name <i>Pre-enter all adults as specified in 2001 survey questionnaire.</i>	Is this person currently considered a member of this household? <i>1=Yes -> Go to DA03 & ask all questions 2=No</i>	If this person is not a member of this household anymore, why? <i>See code below</i>	How many months in the past 12 months has this person been away from the household? <i>If DA03 = 12 months, ask DA04 to DA09 & then go next member</i>	<i>For individuals who are still alive, DA02 < 4</i>						Did this person receive cash or payment in kind from salaried employment, wage activities, or pensions between April 2003 & March 2004? <i>1=Yes 2=No</i>	Did this person receive cash from a formal or informal business activity between April 2003 & March 2004? <i>1=Yes 2=No</i>	Has this person been chronically ill and unable to perform hh duties for the past three (3) months ? <i>1= Yes 2= No</i>
					In which year was this person born? <i>Note: it should be earlier than 1992</i>	What is the sex of ? <i>1=male 2=female</i>	Relation-ship to current head <i>See code below</i>	Marital Status <i>See codes below</i>	Is attending formal school? <i>1 = Yes 2 = No</i>	What is the highest level of education ...completed? <i>See codes below If DA03 = 12, go to next mem</i>			
MEM	NAME	DA01	DA02	DA03	DA04	DA05	DA06	DA07	DA08	DA09	DA10	DA11	DA12
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													

Reasons for absence (DA02)

- 1=left to find a job
- 2=separated
- 3=married away
- 4=deceased
- 5=divorced
- 6=living with other relatives
- 7=other (specify)

Relationship to head (DA06)

- 1= head
- 2= spouse
- 3= own child
- 4= step child
- 5= parent
- 6= brother/sister
- 7= nephew/niece
- 8= son/daughter-in-law
- 9= brother/sister-in-law
- 10= parent-in-law
- 11= grandchild
- 12=other relative
- 13=unrelated

Marital Status (DA07)

- 1 = single
- 2 = monogamously married
- 3 = polygamously married
- 4 = divorced
- 5 = widowed
- 6 = separated
- 7 = cohabit
- 8 = other (specify)

Education levels (DA09)

- 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

1.1 CONTINUED: Adults born in or before 1992 (12 years and above) that were listed in 2001. Include new or additional adult members in the next table (Table 1.2).

Tell us about each member of the household listed in 2001. **If this household is part of a polygamous family, ask only about the household members residing at this particular household.**

Table 1.1 Continued Key variables: PROV, DIST, CSA, SEA, HH, MEM Reference Period: The Past 12 months April 2003 to March 2004

ID	Name <i>Pre-enter all adults as specified in 2001 survey questionnaire.</i>	Is this person currently considered a member of this household? <i>1=Yes -> Go to DA03 & ask all questions 2=No</i>	If this person is not a member of this household anymore, why? <i>See code below</i>	How many months in the past 12 months has this person been away from the household? <i>If DA03 = 12 months, ask DA04 to DA09 & then go next member</i>	<i>For individuals who are still alive, DA02 <> 4</i>						Did this person receive cash or payment in kind from salaried employment, wage activities, or pensions between April 2003 & March 2004? <i>1=Yes 2=No</i>	Did this person receive cash from a formal or informal business activity between April 2003 & March 2004? <i>1=Yes 2=No</i>	Has this person been chronically ill and unable to perform hh duties for the past three (3) months ? <i>1= Yes 2= No</i>
					In which year was this person born? <i>Note: it should be earlier than 1992</i>	What is the sex of ? <i>1=male 2=female</i>	Relationship to current head <i>See code below</i>	Marital Status <i>See codes below</i>	Is attending formal school? <i>1 = Yes 2 = No</i>	What is the highest level of education ...completed? <i>See codes below If DA03 = 12, go to next mem</i>			
MEM	NAME	DA01	DA02	DA03	DA04	DA05	DA06	DA07	DA08	DA09	DA10	DA11	DA12
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													

Reasons for absence (DA02)

- 1=left to find a job
- 2=separated
- 3=married away
- 4=deceased
- 5=divorced
- 6=living with other relatives
- 7=other (specify)

Relationship to head (DA06)

- 1= head
- 2= spouse
- 3= own child
- 4= step child
- 5= parent
- 6= brother/sister
- 7= nephew/niece
- 8= son/daughter-in-law
- 9= brother/sister-in-law
- 10= parent-in-law
- 11= grandchild
- 12=other relative
- 13=unrelated

Marital Status (DA07)

- 1 = single
- 2 = monogamously married
- 3 = polygamously married
- 4 = divorced
- 5 = widowed
- 6 = separated
- 7 = cohabit
- 8 = other (specify)

Education levels (DA09)

- 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; Grade12
- 13= Form 6 Lower
- 14= Form 6 Upper
- 15= College Student
- 16=Undergraduate student
- 17=Certificate/Diploma
- 18= Bachelors Degree
- 19= Masters degree &above

1.2 Additional Adults not Listed in 2001 born in or before 1992 (12 years and above)

Tell us about each **additional adult member** of the household. **If this household is part of a polygamous family**, ask only about the household members **residing at this particular household**.

Table 1.2 Key variables: *PROV, DIST, CSA, SEA, HH, MEM* Reference Period: **The Past 12 months** April 2003 to March 2004

ID	Name	How many months in the past 12 months has this person been away from this household?	Was a member of the hh in 2001? <i>1 = Yes -> Go to AD04 2 = No</i>	Why did this new member join the household? <i>See code below</i>	In which year was this person born? <i>Note: it should be earlier than 1992</i>	What is the sex of? <i>1=male 2=female</i>	Relationship to current head <i>See code below</i>	Marital Status <i>See codes below</i>	Is attending formal school? <i>1 = Yes 2 = No</i>	What is the highest level of education completed? <i>See codes below</i>	Did this person receive cash or payment in kind from salaried employment, wage activities, or pensions between April 2003 & March 2004? <i>1=Yes 2=No</i>	Did this person receive cash from a formal or informal business activity between April 2003 & March 2004? <i>1=Yes 2=No</i>	Has this person been chronically ill and unable to perform hh duties for the past three (3) months ? <i>1= Yes 2= No</i>
MEM	NAME	AD01	AD02	AD03	AD04	AD05	AD06	AD07	AD08	AD09	AD10	AD11	AD12
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													

New hh member (AD03)

- 1=married into the family
- 2=returned to hh to help with activities
- 3=returned to the hh because he/she is sick
- 4=hh member missed during 2001 survey
- 5=lost parents
- 6=fostered
- 7=other (specify)

Relationship to head (AD06)

- 1= head
- 2= spouse
- 3= own child
- 4= step child
- 5= parent
- 6= brother/sister
- 7= nephew/niece
- 8= son/daughter-in-law
- 9= brother/sister-in-law
- 10= parent-in-law
- 11= grandchild
- 12=other relative
- 13=unrelated

Marital Status (AD07)

- 1 = single
- 2 = monogamously married
- 3 = polygamously married
- 4 = divorced
- 5 = widowed
- 6 = separated
- 7 = cohabit
- 8 = other (specify)

Education levels (AD09)

- 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

1.3 Children. What are the names of all usual household members below 12 years old (born after 1992)?

Table 1.3 Key variables: PROV, DIST, CSA, SEA, HH, MEM

Reference Period: The Past 12 months April 2003 to March 2004

ID	Name <i>Start with oldest child</i>	What is the relationship of to the current head? <i>See codes below</i>	Which year was born?	What is the sex of? <i>1= male 2= female</i>	Is attending formal school? <i>1 = Yes 2 = No</i>	What is the highest level of education completed? <i>See codes below</i>	Is the biological mother of alive? <i>1= Yes 2= No—>Go to DC08</i>	Is the biological mother of a member of this household? <i>1= Yes 2= No</i>	Is the biological father of alive? <i>1= Yes 2= No—> Go to DC10</i>	Is the biological father of a member of this household? <i>1= Yes 2= No</i>	Has....been chronically ill and unable to perform hh duties for the past three (3) months? <i>1= Yes 2= No</i>
MEM	NAME	DC01	DC02	DC03	DC04	DC05	DC06	DC07	DC08	DC09	DC10
51											
52											
53											
54											
55											
56											
57											
58											
59											
60											
61											
62											
63											
64											
65											

Relationship to head (DC01)

- 1= head
- 2= spouse
- 3= own child
- 4= step child
- 5= parent
- 6= brother/sister
- 7= nephew/niece
- 8= son/daughter-in-law
- 9= brother/sister-in-law
- 10= parent-in-law
- 11= grandchild
- 12=other relative
- 13=unrelated

Education levels (DC05)

- 00=None
- 01=Sub-standard A; Grade 1
- 01=Sub-standard B; Grade 1
- 02=Standard 1; Grade 2
- 03=Standard 2; Grade 3
- 04=Standard 3; Grade 4
- 05=Standard 4; Grade 5
- 06=Standard 5; Grade 6
- 07=Standard 6; Grade 7
- 08=Form 1; Grade 8
- 09=Form 2; Grade 9
- 10=Form 3; Grade 10

1.4 Previous deaths within the household (Since April 2001)

1.4.1 Since April 2001, has there been anyone - child or adult member of the household - who died? *1=Yes 2=No -----> Go to SECTION 2*

HH01	
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1.4.2 Please tell us about them starting from the most recent.

Table 1.4 Key variables: PROV, DIST, CSA, SEA, HH, PDMEM

Reference Period: Since April 2001

ID	Person MEM ID <i>if person is listed in the tables above, copy MEM # from Table 1.1</i>	Write the Name	What was the sex of the deceased? <i>1=Male 2=Female</i>	In which year did this person die? <i>Enter year e.g., 2002</i>	In which month did this person die? <i>See codes below</i>	In which year was this person born? <i>Enter year e.g., 1997</i>	What was the cause of death? <i>See codes below. If PD05 = 14 up to 19, go to PD12</i>	<i>Ask only if the deceased were ill prior to their death. i.e PD05<14 or is =20 or =21 Ask for the symptoms this person had. Keep prompting for possible answers. 1=yes 2=no</i>						Was the household head at the time of his/her death? <i>1= Yes, go to PD14 2= No</i>	What was’s relationship to person who was head of the household AT THE TIME he/she died? <i>See codes below</i>	What was’s relationship to the CURRENT head of the household? <i>See codes below</i>	What was the highest level of education completed? <i>See code sheet</i>
								Chronic diarrhoea	Fever for at least 1 week	Substantial weight loss	Skin rash	Thrush, frothy mouth, mouth infection	Cough				
PDMEM	MEM	NAME	PD01	PD02	PD03	PD04	PD05	PD06	PD07	PD08	PD09	PD10	PD11	PD12	PD13	PD14	PD15
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	

Month (PD03)		Cause of death (PD05)				Relationship to head (PD13, PD14)							
1 = January	7 = July	1 = Pneumonia	7 = Fits	13 = HIV/AIDS	19 = Other sudden death within 4 days	1 = head	7 = nephew/niece	13 = unrelated					
2 = February	8 = August	2 = Malaria	8 = Mental illness	14 = Accident	20 = Do not know	2 = spouse	8 = son/daughter-in-law						
3 = March	9 = September	3 = TB	9 = Heart disease	15 = Suicide	21 = Other (specify)	3 = own child	9 = brother/sister-in-law						
4 = April	10 = October	4 = Chronic diarrhoea	10 = Chest pains	16 = Murdered		4 = step child	10 = parent-in-law						
5 = May	11 = November	5 = Meningitis	11 = Stomach disease	17 = Snake bite		5 = parent	11 = grandchild						
6 = June	12 = December	6 = Anaemia	12 = Stroke	18 = Old age		6 = brother/sister	12 = other relative						

2.3. Cash Remittances

2.3.1. Between April 2003 and March 2004, did any **member of this household** send/give cash to any **non-household** member or organization?
 1=Yes 2=No

HH02	
HH03	

2.3.2. Between April 2003 and March 2004, did any **member of this household** receive cash from any **non-household** member or organization?
 1=Yes 2=No

If the household neither sent/gave nor received any cash from a non-household member or organization, i.e., HH02 = 2 and HH03 = 2, go to 2.4.

Table 2.3.3 We would like to know the TOTAL CASH that was **received or sent/given** between April 2003 and March 2004.

Table 2.3.3 Key Variables: PROV, DIST, CSA, SEA, HH, RMEM **Reference Period: Between April 2003 and March 2004**

ID	Name of non-household member receiving cash or sending/giving cash <i>Start by listing the names of non-household members who were sent/given cash from the household and ask RO4 if the household received cash from this person.</i>	Relation to head <i>See code below</i>	Where does reside or where can this organization be found? <i>1=within village 2=within district (rural) 3=within district (urban) 4=other district (rural) 5=other district (urban) 6=another country</i>	Amount of cash in ZMK <u>sent/given</u> by this household to a non-household member or organization between April 2003 and March 2004.	Amount of cash in ZMK <u>received by</u> this household from a non-household member or organization between April 2003 and March 2004.
RMEM	Name	R01	R02	R03	R04
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

Relationship to head (R01)

- | | | | | |
|--------------|-------------------|--------------------------|--------------------|----------------|
| 1= head | 4= step child | 7= nephew/niece | 10= parent-in-law | 13= unrelated |
| 2= spouse | 5= parent | 8= brother/sister | 11= grandchild | 14= GRZ |
| 3= own child | 6= brother/sister | 9= brother/sister-in-law | 12= other relative | 15= NGO/Church |

2.4 GIFTS, GRANTS, FOOD AID We would like to know the type of gift, the source and the total value of what was *received or sent/given* by your household between April 2003 and March 2004. **Do not include in-kind payments or receipts, except food for work which is considered food aid.**

2.4.1 Between April 2003 and March 2004, did this household **send/give** any food commodities (including food aid and food for work) or other kind of gifts to non-household members, Government or NGOs. **1=Yes 2=No**

HH04	
HH05	

2.4.2 Between April 2003 and March 2004, did this household **receive** any food commodities (including food aid and food for work) or other kind of gifts from non-household members, Government or NGOs. **1=Yes 2=No**

If the household neither received nor sent/gave gifts, grants or food aid, i.e. HH04 = 2 and HH05 = 2, go to SECTION 3.

Table 2.4.1 Key Variables: PROV, DIST, CSA, SEA, HH, GNUM, G01 Reference Period: The Last 12 Months, between April 2003 and March 2004

What commodity (food & non food) was sent/given? <i>See codes below</i> <i>If non-food item (GNUM >= 14), skip to G06</i>	Who did you give this gift to? <i>See codes below</i>	<i>Ask for food items only.</i> What quantity was sent/given?		<i>Ask for food items only.</i> If you were to sell this commodity, how much would it fetch?		<i>Ask for non-food items only.</i> What would have been the total value of the item sent in ZMK?
		Quantity	Unit <i>See code sheet</i>	Cost ZMK	Unit <i>See code sheet</i>	
GNUM	G01	G02	G03	G04	G05	G06

Table 2.4.2 Key Variables: PROV, DIST, CSA, SEA, HH, RNUM, CR01 Reference Period: The Last 12 Months, between April 2003 and March 2004

What commodity (food & non food) was received? <i>See codes below</i> <i>If non-food item (RNUM >= 14), skip to R06</i>	What was the source of this commodity? <i>See codes below</i>	<i>Ask for food items only.</i> What quantity was received?		<i>Ask for food items only.</i> If you were to buy this commodity, what would be its cost?		<i>Ask for non-food items only.</i> What would have been the total value of the item you received in ZMK?
		Quantity	Unit <i>See code sheet</i>	Cost ZMK	Unit <i>See code sheet</i>	
RNUM	CR01	CR02	CR03	CR04	CR05	CR06

Commodities received or sent (GNUM and RNUM)

- | | | | |
|---------------------------|-----------------|-------------------------------|------------------------|
| 0= none | 6= sweet potato | 12 = wheat | 18= implements |
| 1= maize grain | 7= cooking oil | 13 = groundnuts | 19= sweet potato vines |
| 2= mealie meal | 8= rice | 14 = seed | 20= clothing/salaula |
| 3= cassava tubers | 9= beans | 15 = fertilizer | 21= animals |
| 4= cassava chips or flour | 10= soya | 16 = cassava cuttings | 22= beddings |
| 5= sorghum grain or flour | 11= kapenta | 17 = other planting materials | 23= other (specify) |

Recipients of gifts(G01)

- 1= relatives outside household
- 2= non-relatives outside household
- 3= organization, e.g. church
- 4= other (specify)

Source of gift (CR01)

- 1 = food aid for free
- 2 = food aid for work
- 3 = relative
- 4 = non-related individual
- 5 = other (specify)

SECTION 3: FARM LAND AND USE

Sketch ALL fields or plots that were cultivated or fallowed by the household during the 2002/2003 agricultural season including the garden and orchard fields. Be sure to number all fields.

3.1 Land Use

3.1.1 *Enumerator: Refer back to the sketch in the previous page (page 10) and check for fallow fields – if some of the hh’s fields are in fallow, then ask this question; otherwise, go to Q3.1.2*

You indicated that some of your land was in **fallow in 2002/2003**. What was the **main reason** why you **did not cultivate** these fields?

HH06	
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Enumerator: Please note that fallow includes “abandoned” fields

*1=need to rest the soil
2=not enough labor
3=land not productive*

*4=inadequate seed and fertilizer
5=inadequate implements and draught power
6=other use of labor more important*

*7=for livestock grazing
8=other (specify)*

3.1.2 Can your household **rent good crop land** within your area?

1 = Yes 2 = No----> Go to 3.2

HH07	
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3.1.3 How much would someone be **charged** in ZMK for **renting good crop land** in your area for one season?

(If it is in-kind, convert to Kwacha equivalent)

Amount in ZMK	HH08A	
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Unit	HH08B	
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1 = lima

2 = acre

3 = hectare

3.2 Farm Land and Use According to the sketch, the respondent indicated that the household had _____ fields in the 2002/2003 agricultural season.

Enumerator: Please summarize the data from the sketch in the following table and ask additional questions on each field. Include gardens and orchard fields. Exclude all mono-cropped cassava fields.

Table 3.2 Key Variables: PROV, DIST, CSA, SEA, HH, FIELD Reference Period: The Last THREE Agricultural Seasons (2001/2002 to 2003/04 seasons)

Field ID	All these questions refer to the 2002/2003 Agricultural Season														What main crop or use did you put this field to in 2001/02? See crop/use codes below Enter "50" if field was new to the household.	What did you do to the crop residues from the main crop of 2001/02? See codes below	What main crop or use did you put this field to in 2003/04? See crop/use codes below
	What main crop or use did you put this field to in 2002/03? See codes below If F01>23, go to F15	Did this field have a crop mixture (inter-cropped)? 1 = Yes 2 = No	What was the main tillage method used? 1 = conventional hand hoeing 2 = planting basins 3 = zero tillage 4 = ploughing 5 = ripping 6 = ridging 7 = bunding	What was the main type and source of power used for this tillage? See codes below	When was tillage done? 1=before the rains 2=during the rainy season	How many weeks after planting did you finish the 1 st weeding? Exclude sweet potatoes	How many complete weedings did you do in this field?	Did you apply manure?		How many kgs of lime did you apply? (Enter "0" if they did not apply)	What type and quantity of basal dressing fertilizer did you apply? Enter 0 for none		What type and quantity of top dressing fertilizer did you apply? Enter 0 for none				
								Animal manure? 1 = Yes 2 = No	Plant manure? 1 = Yes 2 = No		Type See codes below	KGs	Type See codes below	KGs			
FIELD	F01	F02	F03	F04	F05	F06	F07	F08	F09	F10	F11	F12	F13	F14	F15	F16	F17
1																	
2																	
3																	
4																	
5																	
6																	
7																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Crop code or Use Codes (F01; F15; F17)

- 0= None
- 1 = Maize
- 2 = Sorghum
- 3 = Rice
- 4 = Millet
- 5 = Sunflower
- 6 = Groundnuts
- 7 = Soyabeans
- 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 potatoes
- 18 = Cassava
- 19 = Kenaf
- 20 = Cashew nut
- 21 = Other crop (specify)
- 22 = Paprika
- 23 = Garden

- 24 = Natural fallow
- 25 = Improved fallow
- 26 = Rented/lent out
- 27 = Orchard
- 28 = Virgin
- 29 = Other uses (specify)
- 30 = New field

Source of power (F04)

- 1 = own animals
- 2 = hired/borrowed animals
- 3 = own mechanical
- 4 = hired/borrowed mechanical
- 5 = household labor
- 6 = hired labor

Basal fert (F11)

- 0 = None
- 1 = Cmpd D
- 2 = Cmpd X
- 3 = Cmpd S
- 4 = TSP
- 5 = SSP
- 6 = Cmpd R
- 7 = Do not know
- 8 = Other (specify)

Top dressing fert (F13)

- 0 = None
- 1 = Urea
- 2 = Ammonium Nitrate
- 3 = CAN
- 4 = Do not know
- 5 = Other (specify)

Residues management (F16)

- 1 = burned them
- 2 = left them in the field
- 3 = collected for animal feed
- 4 = fed to animals in field
- 5 = threw them away
- 6 = fed to animals & burned remains
- 7 = not applicable

4.2 Cassava production and marketing *Look on the sketch on page 10 to see if the hh had any cassava fields in 2002/2003. If there are no cassava fields, go to Q 4.3.*

4.2.1 Please tell us about your cassava production.

Table 4.2 Key Variables: *PROV, DIST, CSA, SEA, HH, FIELD*

Reference period: *Open but for harvest and sales, period is between April 2003 and March 2004*

Cassava field number	What variety of cassava was planted in this field? <i>See code sheet</i>	What is the area planted?		When did you plant this field?		Is the cassava in this field mature? <i>1 = Yes 2 = No -> go to next field</i>	What quantity of raw cassava did you harvest between April 2003 and March 2004 <i>Record quantity harvested in 50 kg bag units.</i>	What quantity of raw cassava could you have harvested if you had decided to harvest everything from this field? <i>Record quantity to be harvested in 50 kg bag units.</i>	CASSAVA STOCKS AND SALES			
		Quantity	Unit <i>1 = lima 2 = acre 3 = ha</i>	Year	Month <i>See codes below</i>				4.2.2	Since April 2003, did you sell or exchange any cassava ? <i>1 = Yes 2 = No---->Go to 4.2.11</i>	HH09	
FIELD	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	4.2.3	If yes, what was the quantity ?	Quantity	HH10
									4.2.4	What was the unit ? <i>See codes below</i>	Unit	HH11
									<i>Ask for the largest transaction for either cash or barter</i>			
									4.2.5	Which month did you sell ? <i>See codes below</i>		HH12
									4.2.6	What type of buyer did you sell to? <i>See codes below</i>		HH13
									4.2.7	Where did this transaction take place? <i>See codes below</i>		HH14
									4.2.8	How far is the location from your homestead in km? <i>(1 mile = 1.6 kilometers)</i>		HH15
									4.2.9	What was the price per unit for the largest cash transaction ? ZMK		HH16
									4.2.10	What unit ? <i>See codes below</i>	Unit	HH17
									4.2.11	At the end of March 2004 , did you have dried cassava in storage ? <i>1 = Yes 2 = No -> Go to 4.2.14</i>		HH18
									4.2.12	What quantity did you have in storage ?	Quantity	HH19
									4.2.13	What unit ? <i>See codes below</i>	Unit	HH20
									4.2.14	Did the household ever run out of mature cassava in the field ? <i>1 = Yes 2 = No----> Go to Q 4.3</i>		HH21
									4.2.15	Which month did the household run out of mature cassava in the field ? <i>See codes below</i>		HH22

Month codes (CS05; HH12, HH22)

- 1 = January
- 2 = February
- 3 = March
- 4 = April
- 5 = May
- 6 = June
- 7 = July
- 8 = August
- 9 = September
- 10 = October
- 11 = November
- 12 = December

Buyer code (HH13)

- 1 = Trader
- 2 = Other households
- 3 = Govt agency/FRA
- 4 = NGO
- 5 = Cooperative Union
- 6 = Outgrower
- 7 = Other (Specify)

Location of transaction (HH14)

- 1=Within village
- 2=Within district (rural)
- 3=Within district (urban)
- 4=Other district (rural)
- 5=Other district (urban)
- 6=Another country

Unit Codes (HH11, HH17, HH20)

- 1=90kg bag
- 2=50kg bag
- 3=25kg bag
- 4=10kg bag
- 5=20lt tin
- 6=90kg bag unshelled
- 7=50kg bag unshelled
- 8=25kg bag unshelled
- 9=10 kg bag unshelled
- 10=20lt tin unshelled
- 11=5lt gallon
- 12=MEDA
- 13=bunches
- 14=MUCHUMBU
- 15=ka B.P.
- 16=crates
- 17=tonnes
- 18=boxes
- 19=number
- 20=kilogram

SECTION 5: FOOD PURCHASES AND PROCESSING (April 2003 to March 2004)

5.1 Please tell us the food that you purchased or bartered into your possession for your home consumption between April 2003 and March 2004

Table 5.1 Key Variables: PROV, DIST, CSA, SEA, HH, PURCH

Reference Period: Between April 2003 and March 2004

Product purchased/ bartered in <i>Enumerator: Ask specifically about each product</i>		Between April 2003 and March 2004 did this household purchase/ barter this product for home consumption? <i>1=Yes 2=No ----> go to next product</i>	Counting both cash purchases and barter, how much of this product did you buy between April 2003 and December 2003? (9 months)						Counting both cash purchases and barter, how much of this product did you buy between January 2004 and March 2004? (3 months)					
			Quantity purchased and/or bartered in			Most important supplier			Quantity purchased and/or bartered in			Most important supplier		
			Quantity	Unit <i>See codes below</i>	Price of last cash purchase		Type of supplier <i>See codes below</i>	Location of transaction <i>See codes below</i>	Quantity	Unit <i>See codes below</i>	Price of last cash purchase		Type of supplier <i>See codes below</i>	Location of transaction <i>See codes below</i>
ZMK	Unit	ZMK			Unit									
	PURCH	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	P13
maize grain	1													
packaged roller meal	2													
packaged breakfast meal	3													
maize meal from grinding mill	4													
millet	5													
sorghum	6													
rice	7													
sweet potatoes	8													
raw cassava	9													
cassava chips	10													
cassava flour	11													

Unit Codes (P03, P05, P09, P11)

1=90kg bag 6=90kg bag unshelled
 2=50kg bag 7=50kg bag unshelled
 3=25kg bag 8=25kg bag unshelled
 4=10kg bag 9=10 kg bag unshelled
 5=20lt tin 10=20lt tin unshelled

11=5lt gallon 12=MEDA
 13=bunches 14=MUCHUMBU
 15=ka B.P. 16=crates
 17=tonnes 18=boxes
 19=number 20=kilogram

Type of supplier code (P06, P12)

1=Trader 2=Other household
 3=Government agency/FRA
 4=NGO e.g., Church
 5=Cooperative 6=Other (specify)

Location of transaction (P07, P13)

1=Within village
 2=Within district (rural)
 3=Within district (urban)
 4=Other district (rural)
 5=Other district (urban)
 6=Another country

5.2 Food for household consumption obtained as payment for labor and other services

Instruction: Ask for the food that the household obtained in exchange for labor or other services (e.g., ploughing) for home consumption between April 2003 and March 2004. Exclude food obtained from food for work.

Table 5.2 Key Variables: PROV, DIST, CSA, SEA, HH, LPURCH

Reference Period: Between April 2003 and March 2004

Product obtained as payment for labor and other services <i>Enumerator: Ask specifically about each product</i>		Between April 2003 and March 2004 did the household obtain for home consumption as payment for labor or other services rendered? <i>1=Yes</i> <i>2=No ----> go to next product</i>	What quantity of this product did you obtain as payment for labor or other services rendered between April 2003 and December 2003? (9 months)		What quantity of this product did you obtain as payment for labor or other services rendered between January 2004 and March 2004? (3 months)	
			Quantity	Unit <i>See codes below</i>	Quantity	Unit <i>See codes below</i>
	LPURCH	LP01	LP02	LP03	LP04	LP05
maize grain	1					
packaged roller meal	2					
packaged breakfast meal	3					
maize meal from grinding mill	4					
millet	5					
sorghum	6					
rice	7					
sweet potatoes	8					
raw cassava	9					
cassava chips	10					
cassava flour	11					

Unit Codes (LP03, LP05)

1=90kg bag	6=90kg bag unshelled	11=5lt gallon	16=crates
2=50kg bag	7=50kg bag unshelled	12=MEDA	17=tonnes
3=25kg bag	8=25kg bag unshelled	13=bunches	18=boxes
4=10kg bag	9=10 kg bag unshelled	14=MUCHUMBU	19=number
5=20lt tin	10=20lt tin unshelled	15=ka B.P.	20=kilogram

5.3 Maize Grain Processing

5.3.1	Did you have any maize grain (from harvest, purchase etc) at any time between April 2003 and March 2004 ? <i>1 = Yes 2 = No—> Go to 5.3.2</i>	HH23	
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Please tell us which of the following **products** you **obtained** from **maize grain**.

Table 5.3.1 Key variables: *PROV, DIST, CSA, SEA, HH, PROD*

Reference Period: Between April 2003 and March 2004

Products obtained	Product code	From your maize grain (harvested, purchased or received) did you get the following products between April 2003 and March 2004 ? <i>1 = Yes 2 = No—> go to next product</i>	If YES , which processing method did you use most frequently ? <i>1 = Hammer mill 2 = Home preparation, then hammer milled 3 = Home processing by pounding 4 = Home processing by hand mill</i>
	PROD	PR01	PR02
Straight Run (Mugaiwa)	1		
Refined Meal (wetting, dehulling, without soaking and milling/pounding)	2		
Super Refined Meal (wetting, dehulling, soaking and milled/pounded)	3		
Samp (maize grits)	4		

5.3.2	How many hammer mills are there for the household to choose from? <i>Record the number. If none, enter 0 and go to SECTION 6.</i>	HH24	
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5.3.3 For the hammer mill that the household uses most frequently, ask the questions in the table. **Reference Period: Between April 2003 and March 2004**

Identity of Hammer Mill	On average, how many times did you use this hammer mill per month ?		Where is this hammer mill located? <i>1=Within the village 2=In another village 3=At district centre</i>	Approximately how many km is this hammer mill from your homestead by the route you use ? (<i>1 mile = 1.6 kilometers</i>)	State the milling charge per 20 litre tin in Kwacha the last time the hh milled . <i>Enumerator: IF the hammer mill does not produce the product, enter 9999. Enter 9 if the respondent does not know the price.</i>			
	Between April 2003 and Dec 2003	Between Jan 2004 and March 2004			Straight run mugaiwa	Refined meal (wetted, dehulled, not soaked, milled)	Super refined meal (wetted, dehulled, soaked, milled)	Samp (maize grits)
Name	HH25	HH26	HH27	HH28	HH29	HH30	HH31	HH32

SECTION 6: FERTILISER ACQUISITION (2002/2003 and 2003/2004 Agricultural Seasons)

6.1	Did the household acquire fertilizer for the 2002/2003 agricultural season?	<i>1 = Yes 2 = No-----> Go to 6.4</i>	HH33	
6.2	How much basal fertilizer did this household carry over from 2002/2003 into 2003/2004 agricultural season?	<i>(Record the answer in kgs)</i>	HH34	
6.3	How much top dressing fertilizer did this household carry over from 2002/2003 into 2003/2004 agricultural season?	<i>(Record the answer in kgs)</i>	HH35	
6.4	Did the household acquire fertilizer for the 2003/2004 agricultural season?	<i>1 = Yes 2 = No</i>	HH36	

Enumerator: If answer to HH33 and/or HH36 is = 1, Go to Q 6.6, page 22.

6.5 REASONS FOR NOT PROCURING FERTILIZER

6.5.1	Which year did the household LAST acquire fertilizer for fields or gardens ?	<i>Record "0" if HH has never used fertilizer on the farm</i>	HH37	
6.5.2	What is the most important reason why the household did not acquire fertilizer in 2003/04 ?	<i>1 = did not have cash 2 = it does not pay, it is not profitable 3 = it is too costly 4 = transport is expensive 5 = not available in the stores 6 = other (specify)</i>	HH38	
6.5.3	Do you think it would have been financially worthwhile to use fertilizer priced at K95,000 - K105,000 per 50 kg bag on your maize fields ?	<i>1 = Yes 2 = No 3 = It depends 4 = Do not know</i>	HH39	

Enumerator: If 6.5 is answered, go to SECTION 7, page 23.

6.6 Please tell us about the **acquisition of fertilizer** by the household in **2002/2003 and 2003/2004** agricultural seasons including acquisition **through cash, credit and gift/grant**. *Ask for the first season (2002/2003) all the channels, then ask for the second season (2003/2004) for which the household acquired fertilizer.*

Table 6.6 Key Variables: PROV, DIST, CSA, SEA, HH, FERTCH

Reference Period: The Last TWO Agricultural Seasons (2002/2003 and 2003/2004 Seasons)

TRANSACTION CHANNEL		2002/2003 Agricultural season						2003/2004 Agricultural Season					
		Did the hh acquire fertilizer from this source? <i>1= Yes 2= No -> go to next channel</i>	How far is the point of collection to the homestead in kilometers? <i>(1 mile =1.6 kilometers)</i>	What quantity of fertilizer did you acquire?		Was fertilizer from this channel available at the time you needed it?		Did the hh acquire fertilizer from this source? <i>1= Yes 2= No -> go to next channel</i>	How far is the point of collection to the homestead in kilometers? <i>(1 mile =1.6 kilometers)</i>	What quantity of fertilizer did you acquire?		Was fertilizer from this channel available at the time you needed it?	
				Basal dressing (kg)	Top dressing (kg)	Basal <i>1 = Yes 2 = No 3 = NA</i>	Top <i>1 = Yes 2 = No 3 = NA</i>			Basal dressing (kg)	Top dressing (kg)	Basal <i>1 = Yes 2 = No 3 = NA</i>	Top <i>1 = Yes 2 = No 3 = NA</i>
FERTCH	FR01	FR02	FR03	FR04	FR05	FR06	FR07	FR08	FR09	FR10	FR11	FR12	
Govt FSP cash program through coops and farmer associations	1												
Govt FSP loan program through coops and farmer associations	2												
Direct commercial exchange/barter	3												
Commercial cash purchases	4												
Govt. Food Security Pack (PAM)	5												
Other sources of free fertilizer	6												

6.7 COMMERCIAL MARKET PRICE OF FERTILIZER

INSTRUCTION: Ask the following questions only for the seasons in which the household purchased fertilizer in 50 kg bags by “commercial cash terms” (*FERTCH = 4 and FR01 = 1 (2002/03) and FERTCH = 4 and FR07 = 1 (2003/04) above.*)

		YEAR			
		2002/2003		2003/04	
6.7.1	When you made your biggest commercial purchase , what price did you pay at the point of purchase for a 50 kg bag of basal dressing fertilizer? <i>(Kwacha)</i>	HH40a		HH40b	
6.7.2	When you made your biggest commercial purchase , what price did you pay at the point of purchase for a 50 kg bag of top dressing fertilizer? <i>(Kwacha)</i>	HH41a		HH41b	
6.7.3	When you made your biggest commercial purchase , how much did you spend on transport from purchase point to your homestead per 50 kg bag? <i>(Kwacha)</i>	HH42a		HH42b	
6.7.4	Do you think it is financially worthwhile to use commercially priced fertilizer on your maize fields?	<i>1 = Yes 2 = No</i>			HH43

SECTION 7: AGRICULTURAL LOANS (Excluding Fertilizer)

7.1	<p>Did the household borrow money or obtain a loan (cash or in-kind) from an individual or company to support agricultural production during the 2002/2003 season?</p> <p style="text-align: right;"><i>1 = Yes 2 = No---->Go to SECTION 8.</i></p>	HH44	
7.2	<p>What was the source of the largest loan?</p> <p style="text-align: right;"> <i>1=Government 2=Commercial bank 3=Cotton company 4=Tobacco company 5=Other crop company 6=Local private trader 7=Informal money lender 8=Friend/relative 9=Micro credit Institutions 10=Other (specify)</i> </p>	HH45	
7.3	<p>How did you repay the credit for most of the largest loan?</p> <p style="text-align: right;"> <i>1 = paid cash 2 = deducted from crop sale 3 = paid in-kind 4 = not yet repaid</i> </p>	HH46	

SECTION 8: ADVICE PROVISION

8.1 Please tell us about the **advice you received** from **organizations, private agents or individual farmers**.

Table 8.1 Key Variables: *PROV, DIST, CSA, SEA, HH, SRCODE* Reference Period: *OPEN*

Professional Advice	Advice code	Have you ever...?	Who was the most important supplier or organizer of this advice?	How did the household receive this advice? <i>1=Informal conversation 2=Radio program 3=Pamphlet/newspaper 4=Workshop 5=Field Day 6=Demonstration plot 7=Other (specify)</i>	Did you use this advice in 2002/2003 agricultural season? <i>1=Yes- ->go to next advice 2=No</i>	Did you use this advice in 2003/2004 agricultural season? <i>1=Yes 2=No</i>
	SRCODE	SR01	SR02	SR03	SR04	SR05
Received any advice to plant 20 kg/ha (or 5 kg/lima) of hybrid maize seed?	1					
Received any advice to apply 4x4 bags / ha (or 1x1 bags / lima) of basal & top dressing fertilizer	2					
Received any advice on practicing minimum tillage (planting basins or ripping)?	3					
Received any advice to leave crop residues in the field?	4					
Received any advice on nitrogen-fixing crop rotation?	5					

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

8.2.1	Has the household ever received information on Agricultural Commodity prices?	<i>1 = Yes 2 = No----> go to Question 8.2.3</i>	HH47	
8.2.2	What was the main source of this information?	<i>1 = Extension agent 4 = Pamphlet/newspaper 7 = ZNFU</i>	<i>2 = Farmer/neighbor 5 = Workshop 8 = NGO</i>	<i>3 = Radio program 6 = Field day 9 = Other (specify)</i>
8.2.3	Does this household own a functioning Radio?	<i>1 = Yes 2 = No</i>	HH49	
8.2.4	What time of the day do you listen to the radio mostly?	<i>1 = Morning 2 = Afternoon 3 = Evening 4 = Night 5 = Never-> Go to SECTION 9.</i>	HH50	
8.2.5	Which radio station do you listen to most frequently?	<i>1 = ZNBC 2 = Community Radio 3 = Private radio 4 = Other (specify)</i>	HH51	
8.2.6	Do you belong to any local Radio Farm Forum Group?	<i>1 = Yes 2 = No</i>	HH52	

SECTION 9. HOUSEHOLD PRODUCTION ASSETS/IMPLEMENTS

9.1 Please tell us about the type and number of assets or implements in working condition owned by the household.

Table 9.1 Key Variables: *PROV, DIST, CSA, SEA, HH, ASSET* Reference period: *Last Agricultural Season 2002/2003 and NOW*

Type of Assets	Asset code	Did you own since as at 1st April 2003 ? <i>1 = Yes</i> <i>2 = No--> go to AST03</i>	How manydid you have in working condition as at 1st April 2003 ? <i>(Enter "0" if none)</i>	How many do you have in working condition NOW ? <i>(Enter "0" if none and go to next asset)</i>	If you were to sell all of these how much would they fetch in total NOW ? <i>(Enter the value in Kwacha)</i>
	ASSET	AST01	AST02	AST03	AST04
Ox-drawn ploughs	1				
Disc ploughs	2				
Harrows	3				
Cultivators	4				
Rippers	5				
Tractors	6				
Hand driven tractors	7				
Scotch carts	8				
Water pumps	9				
Trucks / lorries	10				
Pick-ups / vans / cars	11				
Trailer truck / tractor	12				
Motorcycles	13				
Bicycles	14				
Hammer mills	15				
Hand hammer mills	16				
Rump presses/ oil expellers	17				
Sprayers	18				
Shellers	19				

SECTION 10. LIVESTOCK, POULTRY AND FISH FARMING

10.1 Please tell us the livestock that this household owned between April 2003 and March 2004.

Enumerator: Ask specifically about each livestock

Table 10.1 Key Variables: PROV, DIST, CSA, SEA, HH, LSTOCK Reference period: Between April 2003 and March 2004

Livestock Owned	Livestock code	How many were owned by the household as at 1 st April 2003? <i>(Enter "0" if none)</i>	How many are owned by the household <u>NOW</u> ? <i>(Enter "0" if none)</i>	Between April 2003 and March 2004, how many died due to illness? <i>(Enter "0" if none died)</i>	Between April 2003 and March 2004 how many were sold as live animals or for slaughter? <i>(Enter "0" if none and go to next livestock)</i>	The last time the HH sold, how many were sold? <i>(Enter the number)</i>	The last time the HH sold, how much did the HH receive in total in ZMK?
	LSTOCK	LS01	LS02	LS03	LS04	LS05	LS06
Cattle	01						
Cows	02						
Heifers	03						
Bulls	04						
Untrained Oxen	05						
Trained Oxen	06						
Steers/tollies	07						
Calves	08						
Pigs	09						
Goats	10						
Sheep	11						
Donkeys	12						
Chickens	13						
Guinea Fowls	14						
Ducks & Geese	15						
Rabbits	16						

10.2 MILK, EGG AND FISH PRODUCTION AND SALES BETWEEN APRIL 2003 AND MARCH 2004

10.2.1 Did this household produce any milk between April 2003 and March 2004?

1=Yes 2=No ----> go to Q 10.2.2

HH53	
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Table 10.2 Key Variables: PROV, DIST, CSA, SEA, HH, MEF

Reference Period: Between April 2003 and March 2004

	MEF	Quantity produced and quantity sold in each month, if any											What was the last price the HH received? ZMK/liter or ZMK/egg	
		2003 April	May	June	July	Aug	Sept	Oct	Nov	Dec	2004 Jan	Feb		Mar
		LV01	LV02	LV03	LV04	LV05	LV06	LV07	LV08	LV09	LV10	LV11	LV12	LV13
How many liters of milk did the HH produce in each month?	1													
How many liters of fresh milk did the HH sell for cash & barter in each month?	2													
How many liters of sour milk did the HH sell for cash & barter in each month?	3													

10.2.2 Did this household produce any eggs for eating or selling between April 2003 and March 2004?

1=Yes 2=No ----> go to Q 10.2.3

HH54	
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How many eggs did the HH produce in each month?	4													
How many eggs did the HH sell in each month?	5													

10.2.3 Did this household harvest any fish from the HH's fish ponds between April 2003 and March 2004?

1=Yes 2=No ----> go to SECTION 11

HH55	
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How much revenue did the household receive from selling fish from fish ponds?	6													
What would have been the value of fish from fish ponds consumed by the household each month if the household was to sell them?	7													

SECTION 11: PERCEPTIONS/ATTITUDES

11.1 We would like to ask you a few questions about **how your HH decides to make use of resources** so that we understand the **kind of challenges your HH faces in life.**

<p>11.1.1 For their basic needs, who do you consider yourself responsible for?</p> <p style="text-align: right;"><i>1 = Nuclear family</i> <i>2 = Nuclear family and others</i></p>	<p>HH56</p>	
<p>11.1.2 If you were to hire additional farm labor where would you draw <u>most</u> of the labor from?</p> <p style="text-align: right;"><i>1 = My Relatives</i> <i>2 = Non-relatives</i></p>	<p>HH57</p>	
<p>11.1.3 If you had business activities and you were to hire labor, where would you draw <u>most</u> of the labor from?</p> <p style="text-align: right;"><i>1 = My Relatives</i> <i>2 = Non-relative</i></p>	<p>HH58</p>	
<p>11.1.4 What is the <u>most important reason</u> why some households are more successful than others?</p> <p style="text-align: right;"><i>1 = Big family</i> <i>2 = Small family</i> <i>3 = Inheritance</i> <i>4 = Diversified income sources</i> <i>5 = Witchcraft</i> <i>6 = Supernatural powers</i> <i>7 = External assistance (wealthy family)</i> <i>8 = Hard work</i> <i>9 = Illegal activities</i> <i>10 = Political connections</i> <i>11 = Intelligence</i> <i>12 = Other (specify)</i></p>	<p>HH59</p>	
<p>11.1.5 Who do you believe is <u>most responsible</u> for feeding your household when you have food shortages?</p> <p style="text-align: right;"><i>1 = Household members</i> <i>2 = Relatives</i> <i>3 = Friends</i> <i>4 = Chief/Headman</i> <i>5 = GRZ</i> <i>6 = NGOs</i> <i>7 = No one</i> <i>8 = Other (specify)</i></p>	<p>HH60</p>	

<p>11.1.6 Which of the following best describes your household's intentions at the time you made plans to plant the main staple crop in 2003/04?</p> <p><i>Enumerator: Read out the four options. Let the respondent listen first and afterwards, pick the option that best describes the household's intentions.</i></p> <p><i>1 = produce enough for the household and have extra to sell</i> <i>2 = produce just enough to feed the household only from own production</i> <i>3 = produce all the food the household can but hope to purchase some food</i> <i>4 = produce all the food the household can but hope to get help from food aid and gifts</i></p>	HH61	
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<p>11.1.7 Are things turning out as expected in terms of crop production this year?</p> <p><i>1 = As expected----> Go to 11.1.9</i> <i>2 = Better than expected ----> Go to 11.1.9</i> <i>3 = Not as well as expected</i></p>	HH62	
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<p>11.1.8 What was the major problem leading to this turn of events?</p> <p><i>1 = Insufficient rains</i> <i>2 = Not enough labor</i> <i>3 = Not enough funds to purchase inputs</i> <i>4 = Witchcraft</i> <i>5 = Natural disasters</i> <i>6 = Other (specify)</i></p>	HH63	
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11.1.9 Do you keep written records of the following transactions?		<i>1 = Yes 2 = No</i>
Purchase of inputs	HH64	
Other purchases	HH65	
Sales income from crops	HH66	
Sales income from livestock/poultry	HH67	
Other incomes	HH68	

11.2 Over the **past 10 years** (from 1994), have the following **improved, become worse, or stayed about the same.**

		<i>1 = improved</i> <i>2 = same</i> <i>3 = worse</i>
Health care in this area	HH69	
Education in this area	HH70	
Local government - Council services in this area	HH71	
Opportunities for selling crops in this area	HH72	
Opportunities to buy fertilizer in this area	HH73	
Household well-being	HH74	

11.3 Assume a **government project** were to be developed to **grow crops during the dry-season** (July - August). If the project wanted to **hire people** from this area to work for **TWO months during the dry-season** (July - August), working **6 hours a day, 5 days a week**, would you **personally be willing to work for the full 2-month period** earning a **wage rate of K3 000/day**. Depending on response go up and down.

- 10 = *K10,000/day*
- 9 = *K9,000/day*
- 8 = *K8,000/day*
- 7 = *K7,000/day*
- 6 = *K6,000/day*
- 5 = *K5,000/day*
- 4 = *K4,000/day*
- 3 = *K3,000/day* <----- *Start at this level (go up and down depending on response)*
- 2 = *K2,000/day*
- 1 = *K1,000/day*
- 99 = *No, I would not do this work for these wage rates*

HH75	
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11.4	If you were to hire someone to weed a 1 lima field , how much would you have to pay in ZMK?	HH76	
11.5	How many kilometers is your homestead from the point where household members can get vehicular transport ? <i>(1 mile = 1.6 kilometers)</i>	HH77	

SECTION 12: HIV/AIDS AWARENESS

Enumerator: Please read the following message to the respondent.

I would like to leave information on HIV/AIDS for your reading.
It explains how HIV/AIDS is transmitted, how it affects the community,
and how it can be avoided.

If you have any questions, please do not hesitate to ask your health care provider.

Thank you very much for participating in this interview. We appreciate
your time and effort.

CODE SHEET

Crop Codes	Unit Codes	Education Levels (DA09, AD09, PD15)	Salaried Employment or Informal Wage Labour Activities (WACT)	Formal or Informal Business Activities (BACT)	Cassava Varieties Codes (CS01)	Service Providers (SR02, SR03)
<p><u>CROP</u> 1=Maize 2=Sorghum 3=Rice 4=Millet 5=Sunflower 6=Groundnuts 7=Soyabeans 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 potatoes 18=Cassava 19=Kenaf 20=Cashew nut 21=Other crops 22=Paprika</p> <p><u>FRUIT</u> 22=Tangerines 23=Oranges 24=Bananas 25=Pineapple 26=Guavas 27=Paw Paws 28=Avocado 29=Water Melon 30=Mangoes 31=Other fruit</p> <p><u>VEGETABLE</u> 32=Cabbage 33=Rape 34=Spinach 35=Tomato</p>	<p>1=90kg bag 2=50kg bag 3=25kg bag 4=10kg bag 5=20lt tin 6=90kg bag unshelled 7=50kg bag unshelled 8=25kg bag unshelled 9=10kg bag unshelled 10=20lt tin unshelled 11=5lt gallon 12=MEDA 13=bunches 14=Muchumbu 15=ka B.P 16=crates 17=tonnes 18=boxes 19=number 20=kg</p> <p>Continued... 36=Onion 37=Okra 38=Eggplant 39=Pumpkin 40=Chilies 41=Chomoli 42=Cauliflower 43=Carrots 44=Lettuce 45=Green beans 46=Green maize 47=Other vegetables</p>	<p>0=None 1=Sub-standard A; Grade 1 1=Sub-standard B; Grade 1 2=Standard 1; Grade 2 3=Standard 2; Grade 3 4=Standard 3; Grade 4 5=Standard 4; Grade 5 6=Standard 5; Grade 6 7=Standard 6; Grade 7 8=Form 1; Grade 8 9=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=University Undergraduate Student 17=Tertiary Certificate; Diploma 18=Bachelors Degree 19=Masters Degree and Above.</p>	<p>1=on smallholder farm 2=on commercial farm 3=in factory 4=in a mine 5=other industrial work 6=teacher 7=other civil servant 8=clerk 9=shop attendant 10=non agricultural piece work 11=other</p> <p>Month Codes (CS05,HH 12, HH 22)</p> <p>1= January 2= February 3= March 4= April 5= May 6= June 7= July 8= August 9= September 10= October 11= November 12= December</p>	<p>1=agricultural trading 2=livestock trading 3=retailer/shop owner 4=marketer/hawker/vendor 5=firewood/charcoal production 6=carpentry 7=builder 8=local brewing 9=butchery(all meats including game, cooked or uncooked) 10=ag services (e.g., ploughing, planting, spraying) 11=milling 12=oil processing 13=agro-processing 14=tailor 15=bicycle repair 16=weaving 17=blacksmithing 18=traditional doctor 19=fishing and selling 20=precious stone mining (small scale) 21=other</p>	<p><u>Improved Varieties</u></p> <p>1=Bangweulu 2=Nalumino 3=Kapumba 4=Chila 5=Mweru 6=Tanganyika</p> <p><u>Local Varieties</u> 7=Mwakumoya 8=Chilimabeni 9=Mun'ganga 10=Lunduluka 11=Mwabikasanga 12=Lutundwe 13=Sendamina 14=Kasangami 15=Mukaka 16=Mutobamputa 17=Mushinge 18=Mbelekwa 19=Kabala 20=Belyati 21=Sangachila 22=Bunganabutuba 23=Chinkondya 24=Bwelela</p> <p>25=Improved other 26=Local other 27=Do not know 28=Other (specify)</p>	<p><u>MAFF</u></p> <p>1=MAFF Extension 2=Rural Investment Fund(RIF) 3=SCAFE 4=Other MAFF Agents 5=FRA cooperative</p> <p><u>PRIVATE FIRMS</u></p> <p>6=Lonhro/Dunavant 7=Clark Cotton 8=Amaka 9=Other Outgrowers 10=Private Dealers / Transporters / Traders 11=Commercial Banks</p> <p><u>NGOs</u></p> <p>12=CLUSA Group 13=ZNFU 14=CARE 15=World Vision 16=Economic Expansion in Outlying Areas 17=Church based Group 18=HODI 19=ICAZ (Institute of Cultural Affairs of Zambia) 20=Other NGOs 21=Locally organized group 22=Fellow farmers 23=Not applicable</p>

Seed variety codes (CM03)

Maize

ZAMSEED

- 1 = Pool 16
- 2 = MMV 400
- 3 = GV 412
- 4 = MM 441
- 5 = GV 470
- 6 = GV 408
- 7 = MM 501
- 8 = MM 502
- 9 = MM 601
- 10 = MM 603
- 11 = MM 604
- 12 = GV 512
- 13 = GV 607
- 14 = GV 702
- 15 = GV 703
- 16 = GV 722
- 17 = MM 752
- 18 = GV 704
- 19 = GV 61 Yellow

PANNAR

- 20 = PAN 6363 - Chipolopolo
- 21 = PAN 6549 - Mr. Reliable
- 22 = PAN 67 - African Queen
- 23 = PAN 6243 - in a class of its own
- 24 = PAN 64
- 25 = PAN 6479
- 26 = PAN 87
- 27 = PAN 6573
- 28 = PAN 6777
- 29 = PAN 61
- 30 = PAN 6823
- 31 = PAN 14 - Yellow maize

SEED-CO

- 32 = SC 709
- 33 = SC 713
- 34 = SC 715
- 35 = SC 711
- 36 = SC 701
- 37 = SC 707
- 38 = SC 627
- 39 = SC 625
- 40 = SC 601
- 41 = SC 621
- 42 = SC 501
- 43 = SC 515
- 44 = SC 513
- 45 = SC 517
- 46 = SC 521
- 47 = SC 401
- 48 = SC 403
- 49 = SC 405
- 50 = SC 407
- 51 = SC 704 - Yellow
- 52 = SC 706 - Yellow
- 53 = SC 602 - Yellow
- 54 = SC 604 - Yellow
- 55 = SC 506 - Yellow
- 56 = SC 206 - Yellow

MRI

- 57 = MRI 724
- 58 = MRI 744
- 59 = MRI 734
- 60 = MRI 651
- 61 = MRI 634
- 62 = MRI 624
- 63 = MRI 611
- 64 = MRI 614
- 65 = MRI 594
- 66 = MRI 514
- 67 = MRI 455
- 68 = Local maize

- 69 = Hybrid maize
- 70 = Recycled hybrid maize
- 71 = OPV maize

Sorghum

ZAMSEED

- 75 = KUYUMA
- 76 = SIMA
- 77 = ZSV 15
- 78 = WP 13

SEED-CO

- 79 = MACIA (OPV - white)
- 80 = NS5511 (Hybrid - brown)

- 81 = Local sorghum
- 82 = Hybrid sorghum
- 83 = Recycled hybrid sorghum
- 84 = OPV sorghum

Sunflower

ZAMSEED

- 85 = MILIKA
- 86 = RECORD

PANNAR

- 87 = PAN 7369
- 88 = PAN 7353
- 89 = PAN 7351

- 90 = Local sunflower
- 91 = Hybrid sunflower
- 92 = Recycled hybrid sunflower
- 93 = OPV sunflower

Groundnuts

ZAMSEED

- 94 = CHIPEGO
- 95 = MGV-4
- 96 = CHALIMBANA

SEED-CO

- 97 = FLAMINGO
- 98 = NYANDA

- 99 = Local groundnuts
- 100 = Hybrid groundnuts
- 101 = Recycled hybrid groundnuts
- 102 = OPV groundnuts

Soyabeans

ZAMSEED

- 103 = KELEYA
- 104 = MAGOYE

SEED-CO

- 105 = STORM
- 106 = SOLITAIRE
- 107 = SOPRANO
- 108 = SAFARI

- 109 = Local soyabeans
- 110 = Hybrid soyabeans
- 111 = Recycled hybrid soyabeans
- 112 = OPV soyabeans

Cowpeas

ZAMSEED

- 113 = LUTEMBWE
- 114 = BUBEBE

- 115 = Local cowpeas
- 116 = Hybrid cowpeas
- 117 = Recycled hybrid cowpeas
- 118 = OPV cowpeas

Tobacco

BARLEY

- 119=Bunckett
- 120=BO 1
- 121=BO 2
- 122=BO 3
- 123=A 1
- 124=A 2
- 125=A3

VIRGINIA

- 126=HG
- 127=T26
- 128=RK326
- 129=T29

Cotton

- 130= F135
- 131= Chureza
- 132= Ngwezi
- 133= CDT 1

Sweet potatoes

- 134= Local
- 135=Improved

SEED COMPANIES

- 136=ZAMSEED
- 137=PANNAR
- 138=SEED-CO
- 139=MRI

140 = Do not know