



REPUBLIC OF ZAMBIA
Food Security Research Project and Central Statistical Office
Urban Consumption Survey

Informed Consent Form for Food Security Cooperative Agreement Surveys in Africa

This survey is part of a team effort between Food Security Research Project and Central Statistical Office aimed at collecting information to be used to make recommendations to the Government of Zambia regarding investments and policies that would best support food security and nutritional welfare of Zambia's urban consumers. 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 1,800 other households in Lusaka, Kitwe, Kasama and Mansa, 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 Vasilenko at 517 355 2180.

IDENTIFICATION PARTICULARS

1.	Province	PROV			
2.	District	DIST			
3.	Constituency	CONST			
4.	Ward	WARD			
5.	CSA Number	CSA			
6.	SEA Number	SEA			
7.	Household Serial Number	HH			
8.	Residential Area, Locality, or Village Name	RESIDE			
9.	Residential Address (house number and/or street name) or Section Number	ADDRESS			
10.	Landmarks near house (to help find same household during Round 2)	LNDMRK			
11.	Category of Residential Area	1 = Low 2 = Medium/High cost	CATRESIDE		
12.	Name of Household Head	HHNAME			
13.	Sex of Household Head	1 = Male, 2 = Female	HHSEX		
14.	Name of Main Respondent (if different from head)	RESNAME			
15.	RESPONSE STATUS	1=Complete 2=Refusal 3=Moved out of SEA 4=Non-contact 5=Household dissolved	RESTATUS		
16.	ASSIGNMENT RECORD				
		CODE	Day/	Mon/	Year
a.	Name of Enumerator ENUNAME		Date completed		07
b.	Name of Supervisor SUPNAME		Date checked		07
c.	Name of Data Entrant DATNAME		Date entered		07

D03	
Relationship to Head	
1= head	8= son/daughter-in-law
2= spouse	9= brother/sister-in-law
3= own child	10= parent-in-law
4= step child	11= grandchild
5= parent	12=other relative
6= brother/sister	13=unrelated
7= nephew/niece	

D04
Marital Status
1 = never married
2 = monogamously married
3 = polygamously married
4 = divorced
5 = widow/widower
6 = separated
7 = cohabit

D06		
Highest level of education		
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=Certificate/Diploma
02=Standard 1; Grade 2	09=Form 2; Grade 9	16= Bachelors Degree
03=Standard 2; Grade 3	10=Form 3; Grade 10	17= Masters degree & above
04=Standard 3; Grade 4	11= Form 4; Grade 11	
05=Standard 4; Grade 5	12= Form 5; Grade 12	

D08
Main source of livelihood
1=salaried employment
2=other wage activity
3=pension
4=formal business activity
5=informal business activity
6=school-going
7=housewife
8=farming
9=none
10=other, specify

D09
Mode of transportation to work
1=walk
2=bicycle
3=minibus
4=taxi
5=own car or motorcycle
6=picked up by employer/transportation provided by employer
7=work from home so no transportation required
8=other, specify

SECTION 1. HOUSEHOLD PROFILE FOR CONSUMPTION

1.1 Enumerator: Tell respondent we would now like to know some details about household members who regularly consume food here and ask the following questions for each household member.

Table 1.1 Household Profile

Reference Period: The Past 6 months February 1, 2007 to July 31, 2007

Key vars: PROV, DIST, CONST, WARD, CSA, SEA, HH, DMEM

Person ID	What is the name of each person who you consider to be a member of this household? <i>(Start with the household head and spouse, then proceed to other adults, and then children, in order from oldest to youngest.)</i>	What is the sex of ? 1=Male 2=Female	In which year was born? <i>Enter year, e.g., 1980</i>	What is the relationship of to the current head of household? <i>See opposite page for codes</i>	<i>Enumerator: Ask D04 only if D02 is 1995 or earlier</i> What is the marital status of? <i>See opposite page for codes</i>	Is attending formal school? 1 = Yes 2 = No	What is the highest level of education completed? <i>See opposite page for codes</i>	How many months in the past 6 months has been away from the household ? <i>Enter "0" if the person was away for less than one full month.</i>	<i>Enumerator: Ask D08 only if D02 is 1995 or earlier</i> What was's main source of livelihood between February 1, 2007 & July 31, 2007? <i>See opposite page for codes</i>	<i>If D08 is 6=school-going or 7=housewife or 9=none, skip to D10</i> What was the primary mode of transportation used to travel to his/her work site for their main livelihood activity? <i>See opposite page for codes</i>	Has been chronically ill and unable to perform his/her usual duties for the past three (3) months ? 1= Yes 2= No
DMEM	DNAME	D01	D02	D03	D04	D05	D06	D07	D08	D09	D10
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

More space is available for additional household members on page five.

D03	
Relationship to Head	
1= head	8= son/daughter-in-law
2= spouse	9= brother/sister-in-law
3= own child	10= parent-in-law
4= step child	11= grandchild
5= parent	12=other relative
6= brother/sister	13=unrelated
7= nephew/niece	

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Marital Status
1 = never married
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3 = polygamously married
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5 = widow/widower
6 = separated
7 = cohabit

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Highest level of education		
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=Certificate/Diploma
02=Standard 1; Grade 2	09=Form 2; Grade 9	16= Bachelors Degree
03=Standard 2; Grade 3	10=Form 3; Grade 10	17= Masters degree & above
04=Standard 3; Grade 4	11= Form 4; Grade 11	
05=Standard 4; Grade 5	12= Form 5; Grade 12	

D08
Main source of livelihood
1=salaried employment
2=other wage activity
3=pension
4=formal business activity
5=informal business activity
6=school-going
7=housewife
8=farming
9=none
10=other, specify

D09
Mode of transportation to work
1=walk
2=bicycle
3=minibus
4=taxi
5=own car or motorcycle
6=picked up by employer/transportation provided by employer
7=work from home so no transportation required
8=other, specify

PD03**Major cause of death**

1=Pneumonia	10=Prolonged Cough	19=Stroke	28=Other sudden death within 4 days
2=Malaria	11=Heart disease	20=Cancer	29=Alcohol
3=HIV/AIDS	12=Chest pains	21=Diabetes	30=Accident
4=Tuberculosis	13=Stomach disease	22=Mental illness	31=Other (specify)
5=Chronic diarrhea	14=Yellow fever, typhoid, measles, cholera	23=Birth/miscarriage problems	32=Do not know
6=Meningitis	15=Anemia	24=Suicide	
7=Herpes Zoster	16=Bleeding	25=Murdered	
8=Syphilis, gonorrhea	17=Fits	26=Snake bite	
9=Mouth Sores	18=Asthma	27=Old age	

PD05**Types of Salaried Employment,
Wage Activities and Pensions**

- 1=on smallholder farm
- 2=on commercial farm
- 3=laborer in factory
- 4=laborer in mine
- 5=laborer in other industrial work
- 6=civil servants
- 7=clerk
- 8=shop attendant
- 9=manager in private company
- 10=pension
- 11=other, specify...

PD07**Types of Formal and
Informal Business Activities**

- 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=agricultural 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, specify...

1.4.1 In the last 30 days, has this HH or any of its members sold food or beverage items (in this house, on your plot, in this neighborhood, or elsewhere in the city)? 1=Yes 2=No → go to Section 2: Consumption

SELLFOOD

We would like to ask some questions about the food or beverage outlets these household members operated during the past 30 days. (Enumerator: do not forget to ask Q1.4.3 after completing Table 1.4.2.)

Table 1.4.2 HH Sales of Food

Reference Period: Past 30 days

Key Variables: PROV, DIST, CONST, WARD, CSA, SEA, HH, STYPE

During the past 30 days, from what type of outlet(s) did the HH or its members sell the food/beverage items? See codes below	Where was the outlet located? (If you had more than one of this type of outlet, e.g., 2 kantembas, tell us about the main one.) See codes below	What was the main source of most of the items sold in this outlet? See codes below
STYPE	SWHERE	SSOURCE

1.4.3 During the past 30 days, did this HH or any of its members use any of the food or beverage items purchased for your outlet for the personal consumption of the household? 1=Yes 2=No

USEFOOD

CODES

STYPE Types of outlets
1=Market stand or market stall vendor
2=Mobile vendor (someone walking, truck or van that moves each day)
3=Street vendor – no market infrastructure
4=Ka table
5=Kantemba
6=Ka shop (kiosk)
7=Retail grocery/general dealer/shop (retail only)
8=Wholesale/retail grocery/general dealer/shop (wholesale or wholesale & retail)
9=Mini-Mart (has both personal service and self-service)
10=Small supermarket (mostly self service; may not have complete line of goods)
11=Large supermarket – independent (i.e., there is only one store like this)
12=Large supermarket – chain store outlets (e.g., Spar, Shoprite, Melissa)
13=Butchery
14=Bakery
15=Milk Bar/Container (e.g., for Parmalat or Bonita)
16=Restaurant
17=Bar/Tavern
18=Custom grain mill/Hammer mill/Grinding mill (chigayo)

SWHERE Location of outlet
1=Main Public Market Area in or near the Central Business Dist
2=Central Business District – First Class (all cities)
3=Central Business District – Second Class (Lusaka & Kitwe)
4=Neighborhood – Public Market Area
5=At my residence/plot
6=Neighborhood
7=Neighborhood – Commercial Shopping Centre/Mall
8=Neighborhood – Stand Alone/ Strip Shop/ Mall Locations
9=Outside the city

SSOURCE Main source of items for your outlet
1=Own production
2=Production received from rural relatives
3=Another farmer
4=Main wholesale market area/small vendor
5=Picked up from a wholesale business
6=Picked up from a retail business
7=Picked up from a factory/bakery/processor
8=Delivered by a wholesale business
9=Delivered by a retail business
10=Delivered by a factory/bakery/processor

CRETAIL**Types of Retail Stores/Informal Sellers**

- 1=Market stand or market stall vendor
- 2=Mobile vendor (someone walking, truck or van that moves each day)
- 3=Street vendor – no market infrastructure
- 4=Ka table
- 5=Kantemba
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- 16=Restaurant
- 17=Bar/Tavern
- 18=Private household
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CWHERE**Location of Retailers/Informal Sellers**

- 1=Main Public Market Area in or near the Central Business District
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- 4=Neighborhood – Public Market Area
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ENUMERATOR: Note that for food item #2 (“Consumer-made maize meal via taking grain to grinding mill”), the value of purchases is equal to the value of the maize grain purchased to make the maize meal plus any fees paid at the grinding mill for the milling of the grain into maize meal.

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- 9=Outside the city

2.2 Enumerator: Tell the respondent that we would like to know if and how the primary source of several of the household's fresh vegetables and fruits has changed over the past 10 years.

2.2.1 Did this household BOTH exist 10 years ago AND live in this same neighborhood 10 years ago? 1=Yes 2=No → Skip to Q2.3

HHEXIST

Table 2.2.2 Changes in Horticultural Shopping Patterns Reference period: Refer to the relevant column. Key Variables: PROV, DIST, CONST, WARD, CSA, SEA, HH, VITEM

Fresh fruit and vegetable items		Please remind me, did your household purchase _____ during the last 30 days? 1=Yes 2=No → go to next food item	Did your household purchase _____ 10 years ago? 1=Yes 2=No → go to next food item	Is the primary type of outlet where your HH purchases _____ different now than it was 10 years ago? 1=Yes 2= No → go to next food item 3=I do not know → go to next food item	Ten (10) years ago, from what type of outlet did the HH primarily purchase _____? See codes below	Why has your HH changed the type of outlet from which it primarily purchases _____? See codes below
VITEM		VNOW	VTHEN	VCHANGE	VTYPE	VREASON
Rape	1					
Tomato	2					
Onion	3					
Cabbage	4					
Traditional leaf vegetables	5					
Impwa	6					
Fruits	7					

- VTYPE**
- Types of Retail Stores/Informal Sellers**
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 - 15=Milk Bar/Container (e.g., for Parmalat or Bonita)
 - 16=Restaurant
 - 17=Bar/Tavern
 - 18=Private household
 - 19=Custom grain mill/Hammer mill/Grinding mill (chigayo)

- VREASON**
- Reason for change**
- 1=There was no Shoprite/Spar 10 years ago
 - 2=A supermarket has opened nearby
 - 3=Relocated and did not want to travel far for our purchases
 - 4=Cleaner vegetables/fruits in supermarkets
 - 5=Vegetables/fruits in supermarkets are too expensive
 - 6=Vegetables/fruits in supermarkets are wilted/poor quality
 - 7=Many informal vendors (street or stand or vendors, kantemba) very convenient source
 - 8= It is cheaper to buy vegetables/fruits in bulk from wholesale Public Market Areas
 - 9=Better quality vegetables/fruits in supermarkets
 - 10=Neighbor started selling vegetables/fruits
 - 11=There is a greater variety of vegetables/fruits in supermarkets
 - 12=Buy vegetables/fruits from Public Market Areas for resale and consume some
 - 13=Other Specify
 - 99=I do not know.....

2.3 Enumerator: Tell respondent we would now like to know about the food that members of your household ate away from home during the last 24 hours and ask the following questions with reference to the last 24 hrs. (Do not fill in shaded area.)

Table 2.3 Food Eaten Away from Home Reference Period: Last 24 hours

Key Variables: PROV, DIST, CONST, WARD, CSA, SEA, HH, TAFOOD

Product		Did any member of your household consume _____ away from home during the last 24 hours? 1=Yes 2=No →go to next item 3=I do not know →go to next item	How many members ate _____ away from home (taken from home or bought away from home) during the last 24 hours?	Was _____ taken from home or bought away from home? 1=Taken from home →go to next item 2=Bought away from home	What is your estimate of the total spent by ALL household members who bought and ate _____ away from home? (ZMK) Enter “-99” for “I do not know”
	TAFOOD	TAEAT	TANUMBER	TABUY	TAValue
Nshima with relish	1				
Rice with relish	2				
Chips or Chicken & chips	3				
Sausage	4				
Cassava	5				
Sweet potatoes	6				
Groundnuts	7				
Cucumbers	8				
Sugar cane	9				
Green maize	10				
Bread/buns/fritters/biscuits/pies	11				
Fruits in season	12				
Boiled eggs	13				
Alcoholic beverages	14				
Non-alcoholic beverages	15				
Money given to/spent by school children for snacks/ meals	16				
Money spent by adults for snacks/meals	17				
Other foods (specify)	18				

2.4 Enumerator: Tell respondent that we would now like to know your household's other expenditures. Ask him/her to give an estimate of **TOTAL EXPENDITURES** by all household members for the household and for non-household members on each of the following items (do not fill shaded area).

Table 2.4 Household Expenditures

Reference Period: Refer to the relevant column

Key Variables: PROV, DIST, CONST, WARD, CSA, SEA, HH, AITEM

ITEM		How much in total was spent by household members for _____ during the LAST 30 DAYS? (ZMK) <i>Enter "-99" for "I do not know"</i>	How much in total was spent by household members for _____ during the LAST SIX MONTHS (February 1, 2007 to July 31, 2007)? (ZMK) <i>Enter "-99" for "I do not know"</i>
AITEM		ALASTMTH	ALASTYR
Housing rent (enter monthly cost, even if it is not paid on a monthly basis)	1		
Transport (fuel costs, oils, <i>if owns car/motorcycle</i>)	2		
Transport (other: fare, etc.)	3		
Water and sewerage (if not included in rent)	4		
Gas (if not included in rent)	5		
Electricity (if not included in rent)	6		
Health and beauty aids, personal care items, hair/skin products	7		
Cell phone (talk time only) and/or land phone service	8		
Aspirin/panadol/other medicines	9		
All other recurring monthly expenditure items	10		
Household appliances (e.g., hot plate, refrigerator)	11		
Household furniture	12		
Clothing	13		
Bicycle (purchasing and/or repairs)	14		
Car/motorcycle (purchasing and/or repairs)	15		

Table 2.4 Cont: Household Expenditures

Reference Period: Refer to the relevant column

Key Variables: PROV, DIST, CONST, WARD, CSA, SEA, HH, AITEM

ITEM		How much in total was spent by household members for _____ during the LAST 30 DAYS? (ZMK) <i>Enter “-99” for “I do not know”</i>	How much in total was spent by household members for _____ during the LAST SIX MONTHS (February 1, 2007 to July 31, 2007)? (ZMK) <i>Enter “-99” for “I do not know”</i>
AITEM		ALASTMTH	ALASTYR
Medical expenses (excluding aspirin / panadol / other medicines)	16		
Funeral expenses	17		
Ceremonial expenses (e.g., initiation ceremony)	18		
School fees, supplies and other education expenses	19		
Buying land/house	20		
Leisure/recreation expenditures	21		
Other gifts/remittances/cash out	22		
Other large expenditures (specify)	23		

2.5 Enumerator: Tell respondent that we would now like to know more details about the type of maize meal primarily used by your household, and ask him/her the following questions: ADDITIONAL DETAILS ON MAIZE GRAIN AND MAIZE MEAL CONSUMPTION AND CONSUMPTION

2.5.1 What **specific** type of maize meal has your household **primarily** used in the past 30 days?

- | | | |
|--------------------------|--|---|
| <u>Commercially made</u> | <u>Consumer made via taking grain to grinding mill</u> | <u>Vendor made via grinding mill</u> |
| 1 = Breakfast | 3 = Mugaiwa #1 semi de-hulled (roller) | 6 = Mugaiwa #1 semi de-hulled (roller) |
| 2 = Roller | 4 = Mugaiwa #2 double de-hulled (breakfast) | 7 = Mugaiwa #2 double de-hulled (breakfast) |
| | 5 = Mugaiwa #3 straight run | 8 = Mugaiwa #3 straight run |

MEALNOW

9=Other, specify _____
 10=Our household does not use maize meal → *skip to section 3*

2.5.2 For the specific type of maize meal primarily used in the past 30 days (MEALNOW), why do you consume maize meal **mostly** in this form rather than one of the other forms? Choose up to three reasons **in order of importance**.

REAS1
 REAS2
 REAS3

Enumerator: for example, if respondent answered breakfast/roller to Q2.5.1, mention consumer-made maize meal and vendor-made mugaiwa.

- | | | |
|--|---|--|
| 1 = It is comparatively cheaper | 2 = It is more convenient | 3 = It is more nutritious/healthy |
| 4 = It is more hygienic / clean | 5 = Tastes better | 6 = It fills up the stomach better |
| 7 = Habit | 8 = We get maize grain from rural areas, so we do mainly our own custom milling | |
| 9 = Very white | 10 = No hammer mill in the area | 11 = No retailing of mugaiwa products where I live |
| 12 = We produce our own maize, so we do mainly our own custom milling | | |
| 13 = Can't source maize grain, so must use packaged meal | | |
| 14 = It mixes faster | | |
| 15 = You need to use less mealie meal when cooking nshima with this type of maize meal | | |
| 16 = Others (specify) _____ | | |

====> *If 2.5.1 is commercially made breakfast or roller meal (MEALNOW =1 or 2), ask the following questions. If not, skip to Q2.5.7.*

2.5.3 What is the brand of commercially made breakfast or roller meal primarily used by the household? (*see below for codes*)

PBRAND

PBRAND: Brand of breakfast/roller meal

- | | | | | |
|---------------------------|----------------------------|---------------------------|-------------------------|-------------------------------------|
| 1=National Milling | 5=Superior Milling Company | 9=Roan Antelope Milling | 13=Jamias Milling | 17=First Class Milling |
| 2=Simba Milling (No. 1) | 6=Choma Milling Company | 10=Shabco Milling Company | 14=Mpongwe Milling | 18=Mansa Milling |
| 3=GBM Company | 7=APG Milling Company | 11=Olympic milling | 15=Nyati Milling | 19=Cereal Millers & Farmers Limited |
| 4=Chimanga Changa Milling | 8=Chimsoro Milling | 12=Ghiradi Milling | 16=Best Harvest Milling | 20=Other (specify)_____ |

2.5.4 **Would** your household buy maize meal (**mugaiwa**) from a **retailer/vendor** if such sellers were **operating in the markets** you mainly use? 1=Yes 2=No

BUYMUGA1

2.5.5 In the markets you mainly use, **are there any retailers/vendors who sell maize meal (mugaiwa)?**
 1=Yes 2=No→go to Q2.5.7 3=I do not know→go to Q2.5.7

BUYMUGA2

2.5.6 If you answered yes to the above question, why do you choose not to purchase your maize meal from this type of vendor?
 Choose up to three reasons **in order of importance.**

- 1 = It is more expensive 2 = It is less convenient 3 = It is less nutritious/healthy
- 4 = It is less hygienic / clean 5 = It tastes worse 6 = It does not fill up the stomach well
- 7 = Habit 8 = Not as white
- 9 = We consider this a low quality and low status product
- 10 = It doesn't mix as well
- 11 = Other (specify) _____

REAS4

REAS5

REAS6

2.5.7 Would your household buy maize meal (**mugaiwa**) from any vendor or retailer in the market if it **were well packaged and distributed as roller and/or breakfast meal?** 1=Yes 2=No

BUYMUGA3

2.5.8 If it were **easier** to source **grain** and/or **hammer milling** services, would your household consume more **mugaiwa**?
 1=Yes 2=No

MOREMUGA

2.5.9 What type of maize meal did your household primarily use 10 years ago?

Commercially made

- 1 = Breakfast
- 2 = Roller

Consumer made via taking grain to grinding mill

- 3 = Mugaiwa #1 semi de-hulled (roller)
- 4 = Mugaiwa #2 double de-hulled (breakfast)
- 5 = Mugaiwa #3 straight run

Vendor made via grinding mill

- 6 = Mugaiwa #1 semi de-hulled (roller)
- 7 = Mugaiwa #2 double de-hulled (breakfast)
- 8 = Mugaiwa #3 straight run

MEAL99

- 9=Other, specify _____
- 10 = This household did not exist 10 years ago→skip to Q2.5.12
- 11 = We did not use maize meal 10 years ago→skip to Q2.5.12

====>If answer to Q2.5.9=10 (This household did not exist 10 yeas ago) or =11 (We did not use maize meal 10 years ago), skip to Q2.5.12.

====>If answer to Q2.5.9=10 (This household did not exist 10 years ago) or =11 (We did not use maize meal 10 years ago), skip to Q2.5.12.

2.5.10 If question 2.5.9 is breakfast or roller meal (MEAL99 = 1 or 2), what brand of breakfast or roller meal was the household primarily using 10 years ago? (see below for codes)

PBRAND90S

PBRAND: Brand of breakfast/roller meal used 10 years ago

- | | | | | |
|---------------------------|----------------------------|---------------------------|-------------------------|-------------------------------------|
| 1=National Milling | 5=Superior Milling Company | 9=Roan Antelope Milling | 13=Jamars Milling | 17=First Class Milling |
| 2=Simba Milling (No. 1) | 6=Choma Milling Company | 10=Shabco Milling Company | 14=Mpongwe Milling | 18=Mansa Milling |
| 3=GBM Company | 7=APG Milling Company | 11=Olympic milling | 15=Nyati Milling | 19=Cereal Millers & Farmers Limited |
| 4=Chimanga Changa Milling | 8=Chimisoro Milling | 12=Ghiradi Milling | 16=Best Harvest Milling | 20=Other (specify)_____ |

====>Enumerator: Ask Q2.5.11 if the type/form of maize meal consumed now (Q2.5.1) is DIFFERENT from the type/form consumed 10 years ago (Q2.5.9); for example, if the HH consumes mugaiwa now but consumed roller meal 10 years ago. Otherwise, skip to Q2.5.12.

2.5.11 Why has your household **changed** the primary type of maize meal it consumes compared to 10 years ago?

- | | |
|--|---|
| 1 = Price difference greater now than 10 years ago | 2 = Price difference less now than 10 years ago |
| 3 = Grain less available now than 10 years ago | 4 = Grain more available now compared to 10 years ago |
| 5 = Less hammer mills in the area than 10 years ago | 6 = More hammer mills in the area than 10 years ago |
| 7 = Hygiene more a problem now than 10 years ago | 8 = Hygiene less of a problem now than 10 years ago |
| 9 = Quality more a problem now than 10 years ago | 10 = Quality less a problem now than 10 years ago |
| 11 = We no longer get grain from relatives in rural areas (whereas before, we did) | |
| 12 = We now get grain from relatives in rural areas (whereas before, we did not) | |
| 13 = We stopped producing our own grain (whereas before, we did) | |
| 14 = We now produce our own grain (whereas before, we did not) | |
| 15 = other (specify): __ | |

REASSWIT

2.5.12 What do you think is healthier or more nutritious: mugaiwa (straight run) or packaged breakfast meal?

- 1=Mugaiwa 2=Breakfast

MUGAHEAL

2.5.13 How many hammer mills do you know of **near** your home (within 15 minutes normal walk or about 1 km)?

MILLS07

2.5.14 Was the household living in this same locality 10 years ago? 1=Yes 2=No →skip to Q2.6

SAMEHOME

2.5.15 How many hammer mills were near your home (within 15 minutes normal walk or about 1 km) 10 years ago?

MILLS99

2.5.16 Were there any small-scale vendors of mugaiwa near your home (within 15 minutes normal walk) 10 years ago? 1=Yes 2=No

MUGVEND

2.6 ==>If answer to Q2.5.1 is 3, 4 or 5 (the household primarily used consumer-made maize meal, either #1 semi-dehulled, #2 double de-hulled, or #3 straight run), ask Q2.6.1 to Q2.6.7; otherwise, skip to Section 3: Participation in Urban Agriculture.

2.6.1 Who is it in your household that normally takes the maize to the hammer mill?
 1 = Wife, 2 = husband, 3 = maid, 4 = children, 5 = relative, 6 = hired labor, 7 = other, specify _____

WHOMIL

2.6.2 At the mill your HH primarily uses currently, how long does it normally take to: (enumerator convert to minutes)

Go and buy grain in the market, if your HH does this. (Enter "0" if the HH uses their own grain.)

Clean the grain, if your HH does this. (Enter "0" if the HH does not do this.)

Take the grain from your home to the mill where you normally go (whether grain is purchased or own production)

Take the grain from the market to the mill where your HH normally goes if you buy grain in the market.
 (Enter "0" otherwise)

TIMEJ1		Minutes
TIMEJ2		Minutes
TIMEJ3		Minutes
TIMEJ4		Minutes

2.6.3 Have you ever had mugaiwa go bad (spoil)? 1=Yes 2=No → skip to Q2.6.5

MUGSPOIL

2.6.4 How many weeks after milling did the mugaiwa go bad (spoil)? Enter number of weeks.

WKSFRSH

2.6.5 Are there months of the year when your household would wish to buy maize grain to mill into mealie meal, but grain is not available in this area to buy? 1=Yes 2=No → skip to Q2.6.7

MZAVAIL

2.6.6 What are the 3 most common months when maize grain (for milling into meal) is not available in this area when your household would want to buy?
 1=Jan, 2=Feb, 3=Mar, 4=Apr, 5=May, 6=Jun, 7=July, 8=Aug, 9=Sep, 10=Oct, 11=Nov, 12=Dec

UNAVAIL1

UNAVAIL2

UNAVAIL3

2.6.7

What alternative foods does your household consume during these periods when maize grain is either unavailable or too expensive?

		1=YES	2=NO
Purchased maize meal	(1=Yes 2=No)	ALTFOOD1	
Cassava flour	(1=Yes 2=No)	ALTFOOD2	
Roasted Cassava	(1=Yes 2=No)	ALTFOOD3	
Bread / buns / fritters	(1=Yes 2=No)	ALTFOOD4	
Spaghetti / macaroni / pasta	(1=Yes 2=No)	ALTFOOD5	
Rice	(1=Yes 2=No)	ALTFOOD6	
Green maize	(1=Yes 2=No)	ALTFOOD7	
Other (specify) _____	(1=Yes 2=No)	ALTFOOD8	

HCROP				
Horticultural Crops				
<i>Fruits</i>		<i>Vegetables</i>		
23= Tangerines	29 = Mangoes	33= Cabbage	41 = Chilies	49 = Sweet potato leaves
24 = Grape Fruit	30 = Oranges	34 = Rape	42 = Chomolia	50 = Pumpkin leaves
25 = Bananas	31 = Lemons	35 = Spinach	43 = Cauliflower	51 = Cowpea leaves
53 = Guavas	32 = Other fruits	36 = Tomato	44 = Carrots	52 = Impwa
26 = Paw Paws		37 = Onion	45= Lettuce	53 = Other vegetable
27 = Avocado		38 = Okra	46 = Green beans	
28 = Water Melon		39 = Eggplant	47 = Green maize	
		40 = Pumpkin	48 = Cassava leaves	

H07, H09, H11		
Units		
1=90kg bag	9=10 kg bag unshelled	17=tonnes
2=50kg bag	10=20lt tin unshelled	18=boxes
3=25kg bag	11=5lt gallon	19=number
4=10kg bag	12=MEDA	20=kilogram
5=20lt tin	13=bunches	21=liter
6=90kg bag unshelled	14=MUCHUMBU	22=unit (10 eggs)
7=50kg bag unshelled	15=ka B.P.	23=tray (30 eggs)
8=25kg bag unshelled	16=crates	

===>Enumerator: *If you completed Table 3.2, skip to Q3.4.*

3.3 Why did **none** of your household members grow any horticultural crops in or outside town?

1 = I cannot acquire a plot

2 = not profitable; we can make more money doing other things

3 = the available plots are very far

4 = poor access to water

5 = not interested

6 = not enough time or labor

7 = discouraged by theft

8 = due to illness

9 = no space at the homestead

10 = field no longer available

11 = other (specify) _____

HNOTGROW

FCROP		
Field Crops		
1 = Maize	9 = Irish potato	17 = Sweet potatoes
2 = Sorghum	10 = Virginia tobacco	18 = Cassava
3 = Rice	11 = Burley tobacco	19 = Pineapple
4 = Millet	12 = Mixed beans	20 = Cashew nut
5 = Sunflower	13 = Bambara nuts	21 = Paprika
6 = Groundnuts	14 = Cowpeas	22 = Other crop
7 = Soybeans	15 = Velvet beans	
8 = Seed cotton	16 = Coffee	

F07, F09, F11		
Units		
1=90kg bag	9=10 kg bag unshelled	17=tonnes
2=50kg bag	10=20lt tin unshelled	18=boxes
3=25kg bag	11=5lt gallon	19=number
4=10kg bag	12=MEDA	20=kilogram
5=20lt tin	13=bunches	21=liter
6=90kg bag unshelled	14=MUCHUMBU	22=unit (10 eggs)
7=50kg bag unshelled	15=ka B.P.	23=tray (30 eggs)
8=25kg bag unshelled	16=crates	

===>Enumerator: *If you completed Table 3.5, skip to Q3.7.*

- 3.6 Why did none of your household members grow any field crops in or outside town?
- 1 = I cannot acquire a plot
 - 2 = not profitable; we can make more money doing other things
 - 3 = the available plots are very far
 - 4 = poor access to water
 - 5 = not interested
 - 6 = not enough time or labor
 - 7 = discouraged by theft
 - 8 = due to illness
 - 9 = no space at the homestead
 - 10 = field no longer available
 - 11 = other (specify)_____

FNOTGROW

3.7 Does any member of the household own any livestock/poultry/fish here in town or outside of town? 1=Yes 2=No → go to Section 4

OWNSTOCK

3.8 Could you please tell us about the livestock/poultry your household has owned in the last 6 months. Enumerator: Ask specifically about each livestock/poultry type.

Table 3.8 Urban Agriculture/Livestock

Reference Period: February 1, 2007 to July 31, 2007

Key Variables: PROV, DIST, CONST, WARD, CSA, SEA, HH, LSTOCK

Livestock/Poultry Owned	Livestock / Poultry code	Did your HH own any in the last 6 months? 1=Yes 2=No → go to next livestock	How many does your HH currently own?	Since February 1st, 2007 how many were sold as live animals or for slaughter? Enter "0" if none and go to next livestock	The last time the HH sold, how many were sold? Enter the number	The last time the HH sold, how much did the HH receive in total in ZMK?
	LSTOCK	LS01	LS02	LS03	LS04	LS05
Chickens	01					
Pigs	02					
Goats	03					
Sheep	04					
Ducks, geese, guinea fowl	05					
Rabbits	06					
Cows	07					
Heifers	08					
Bulls	09					
Untrained oxen	10					
Trained oxen	11					
Tollies/Steers	12					
Calves	13					

3.9 Since February 1, 2007, did this household produce any milk, eggs or fish for consumption or selling? 1=Yes 2=No →go to Section 4

LVPD

Table 3.10 Urban Agriculture/Livestock Products

Reference Period: February 1, 2007 to July 31, 2007

Key Variables: PROV, DIST, CONST, WARD, CSA, SEA, HH, MEF

		Did the HH produce/sell any milk or eggs or fish? 1=Yes 2=No →go to next grouping	Value of sales (ZMK) in each month					
			2007 Feb	2007 Mar	2007 Apr	2007 May	2007 Jun	2007 Jul
	LVMEF	LV00	LV01	LV02	LV03	LV04	LV05	LV06
MILK								
Did your HH produce any milk in the last 6 months since February 2007?	1							
If yes, did the HH sell any milk in the last 6 months since February 2007?	2							
If the HH sold milk, how much income did it earn from the sales in each month?	3							
EGGS								
Did your HH produce any eggs in the last 6 months since February 2007?	4							
If yes, did the HH sell any eggs in the last 6 months since February 2007?	5							
If the HH sold eggs, how much income did it earn from the sales in each month?	6							
FISH								
Did your HH harvest any fish from fish ponds in the last 6 months since February 2007?	7							
If yes, did the HH sell any fish from fish ponds in the last 6 months since February 2007?	8							
If the HH sold fish, how much income did it earn from the sales in each month?	9							

SECTION 4. HOUSEHOLD LINKS WITH RURAL AREAS, ASSETS, & FOOD SECURITY STATUS

4.1 Enumerator, tell respondent we would like to know how remittances and other flows between rural and urban areas might vary depending on size of the rural staple food harvest. Ask the questions below.

4.1.1 Between February 1, 2007 and July 31,2007, has your household **sent cash or goods** to relatives in rural areas? **SENDRURAL**

- 1=Yes, cash only
- 2=Yes, goods only
- 3=Yes, both cash and goods
- 4=No, neither cash nor goods → *skip to Q4.1.6*

4.1.2 What is the approximate total value of cash/goods that you sent? (ZMK) **VALESENT**

4.1.3 Compared to the same period last year (Feb. 1, 2006 –July 31. 2006), did you **send** more, less, or the same amount of cash/goods to your rural relatives so far in 2007? **MORELESS**

- 1=more this year compared to last
- 2=less this year compared to last
- 3=the same

4.1.4 When their harvest is poor, do your rural relatives prefer to receive **cash or goods**? 1=cash 2=goods 3=both **SENDPREF**

4.1.5 In a **poor harvest year**, how much cash/goods does the household send to rural relatives **compared to a normal harvest year**? **SENDBAD**

- 1=send more when harvest is poor
- 2=send less when harvest is poor
- 3=send the same amount when harvest is poor

Enumerator: Tell the respondent we would now like to know about cash or goods RECEIVED by the household from rural relatives.

4.1.6 Does your household normally **receive cash/goods** from relatives in rural areas? 1=Yes 2=No → *go to Q4.3* **RECRURAL**

4.3.9 Does your household own a _____ (in working condition)?
(1=Yes 2=No)

Electric cooker (stove)

Gas cooker (stove)

Electric hot plate

Charcoal brazier (mbaula/imbabula)

Improved charcoal brazier (improved mbaula/imbabula)

Radio

Color television

Black and white television

Mobile phone

Regular/land phone

Refrigerator and/or freezer

Car

Bicycle

Motorcycle

Standard well

Farm/smallholding

CODE	1=Yes 2=No
ELECOK	
GASCOK	
HOTPL	
CHARC	
IMPCHARC	
RADIO	
TVC	
TVBW	
MPHONE	
PHONE	
REFRIG	
CAR	
BICYCL	
MOTO	
WELL	
FARM	

4.4 Enumerator, tell respondent that we would now like to know about the household's level of food security, and ask the following questions:

- 4.4.1 If sufficient food were available, how many **main meals per day** would your household **ideally** eat? MIDEAL
- 4.4.2 In the past 30 days, how many **main meals per day** did your household **typically** eat? MACTUAL
- 4.4.3 In the past 30 days, given the typical number of main meals your household eats per day (MACTUAL), on how many days did your household **SKIP an entire main meal** because the household did not have enough food nor enough money to purchase more food? **Enter the number of days.** SKIPMEAL
- 4.4.4 In the past 30 days, on how many days did your household **go the ENTIRE DAY without eating a main meal** because the household did not have enough food nor enough money to purchase more food? **Enter the number of days.** NOEAT
- 4.4.5 In the past 30 days, on how many days did your household eat a main meal that was **smaller than usual** because the household did not have enough food nor enough money to purchase more food? **Enter the number of days.** SMALL
- 4.4.6 In the past 30 days, on how many days did your household **worry** about where food would come from? **Enter the number of days.** WORRY
- 4.4.7 In the past 30 days, on how many days did your household have to **ask neighbors or relatives** for food to make a meal? **Enter the number of days.** ASK

Enumerator: Please thank the respondent for their participation and conclude the interview.

- 4.4.8 **Enumerator:** Based on all that you have observed and heard, please rank the level of food security of this household on a scale of 1 (least food secure) to 5 (most food secure). SECURE

1	2	3	4	5
Least food secure		→		Most food secure
- 4.4.9 **Enumerator:** Please rate the quality of this interview on a scale of 1 (worst) to 5 (best). Give reasons for this rating in the space below. INTRATE

1	2	3	4	5
Worst quality		→		Best quality

Reasons for this rating (INTRATE_S)

