

## EGERTON UNIVERSITY – TEGEMEO INSTITUTE URBAN SURVEY 2009

“We are part of a team at Egerton University, who are conducting research whose results would help to make recommendations to the Government of Kenya regarding investments and policies that would best support food security and nutritional welfare of Kenya’s urban consumers. Your help in answering these questions is very much appreciated. Your participation is completely voluntary. Your responses will be confidential to the maximum extent allowable by law. Your responses will be added to those of 1000 other households in Nairobi and analyzed together. If you have any questions or concerns about this study, you may contact the Director, Tegemeo Institute, Egerton University (phone 020-2717818).” “You indicate your voluntary agreement to participate by beginning this interview.

### 1. IDENTIFIERS

*Identifier09.sav*

Household Name	Name: _____		
Cluster Name and Code		<b>CLUSTER:</b>	
Division		<b>DIV:</b>	
Location		<b>LOC:</b>	
Sub-location		<b>SUBLOC:</b>	
Enumeration Area Name and Code		<b>EANUMBR:</b>	
Name of Respondent	Name: _____		
Date of Interview ( <i>dd/mm/yy</i> )		<b>DATE:</b>	
Enumerator name and Code	Name: _____	<b>ENUM:</b>	
Supervisor name and code	Name: _____	<b>SUP</b>	

## CROP CODES (Alphabetical list from 2003 urban survey)

Code	Crop	Code	Crop	Code	Crop	Code	Crop
119	apples	138	garlic onion	141	pigeon peas	163	white suppoise
185	arrow root leaves	62	gourd	133	pineapple	81	yams
44	arrow roots	179	grapes	121	plum	95	yellow passion fruit
97	avocado	193	green coconut	178	pomogramite	174	zambarau
10	bananas	34	green gram	76	pumpkin	200	Other (specify)_____
60	barley	2	green maize	172	pumpkin leaves		
7	beans	167	green peas	17	pyrethrum		<b>Extra Codes(Mixed)</b>
129	brinjals	33	groundnuts	72	quava		
169	bulrush millet	140	indigenous vegetables	31	rice	500	chicken
93	cabbage	15	industrial sugarcane	171	runner beans	501	eggs
67	capsicum	27	irish potatoes	78	simsim	502	milk
94	carrots	74	lemons	16	sisal		
24	cashewnut	173	lettuce	90	snow peas		
28	cassava	118	lugard	8	sorghum		
146	castor oil	135	macademia	160	soyabeans		
175	cauliflower	1	maize	66	spinach		
170	chewing sugar cane	73	mangoes	124	squash		
176	chunned coffee	120	matomoko	190	stafeli		
23	coconut	9	millet	177	strawberry		
11	coffee cherries	148	miraa	187	sugar beat		
6	coffee mbuni	197	mkunga	64	sukuma wiki		
5	Commercial trees	196	mkuyu	30	sunflower		
168	corn flower	165	nathi	68	sweet melon		
14	cotton	147	njahi-Dolichos	43	sweet potatoes		
21	cowpeas	32	oats	189	tangawizi		
19	cowpeas leaves	77	okra	136	tangerine		
125	cucumber	96	onion	3	tarmarind		
192	dates	75	oranges	12	tea		
183	dhania	184	other leaves (bean,njahi leaves)	29	tobacco		
194	dried cocunut	137	passion friut	63	tomatoes		
71	eggplant	70	pawpaw	162	tree tomato		
20	flowers	166	peaches	161	turnip		
22	fodder	134	pears	69	water melon		
25	french beans	65	pepper	13	wheat		

**2. PARTICIPATION IN URBAN AGRICULTURE, AND LINKS WITH RURAL AREAS**

**2.1** Over the past twelve months (since **June 2008**), did the HH **PRODUCE** any crops **here in town**? (1 = yes, 2 = no) **PRODUCE**

→ *If answer is “no”, skip to 2.3*

**2.2** If yes, please indicate crops grown in each **period** and about how much of each was **produced and sold**. **Include all crops (maize, vegetables, fruits, beans e.t.c. even if grown in small amounts)**

*townfarm09.sav*

Crop Codes  (See crop codes on page 2)	From Nov 08 to Present							From June 08 to Oct 08						
	How many times did you harvest this crop during this period?	How much in total did you harvest during this period? (Enumerator: Sum the harvest quantities for all times harvesting was done)		Out of all the harvests how much in total did you SELL during this period?				How many times did you harvest this crop during this period?	How much in total did you harvest during this period? (Enumerator: Sum the harvest quantities for all times harvesting was done)		Out of all the harvests how much in total did you SELL during this period?			
		Quantity harvested	Unit (Use Codes below)	Quantity sold	Unit of largest sale	Price per Unit of Largest Sale	If did not sell at what price could you have sold		Quantity harvested	Unit (Use Codes below)	Quantity sold	Unit of largest sale	Price per Unit of Largest Sale	If did not sell at what price could you have sold
CROP	TIME1	QTY1	UNIT1	QTSEL1	UNISEL1	PRIC1	SELP1	TIME2	QTY2	UNIT2	QTSEL2	UNISEL2	PRIC2	SELP2

**Unit codes:** 1=90 kg bag; 2=kgs; 3=litre; 4=crates; 5=numbers 6=bunches; 8=other (specify); 9=gorogoro; 10= 2 kg packets 11=50 kg bag; 12=1 kg packets; 13=grams; 14=debe ; 15=Tray

HHID \_\_\_\_\_

**2.3 If answer to 2.1 is “no”, then ask** Why are you not growing any crops in town now? **Give two reasons**

YNOGROW1

1 = I cannot acquire a plot to rent 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 customary to grow crops in town  
 7=No space to farm 8 = It is against the law to grow crops in town 9= other (specify)\_\_\_\_\_

YNOGROW2

**2.4** Over the past 12 months (since **June 2008**), did the Household **harvest any farm produce** from your farm located in the rural areas? (1 = yes, 2 = no) → **If answer is “no”, skip to 2.6**

RHARV

**2.5** If “yes” to Q2.4, please indicate below about how much of each crop your household **harvested from your farm in rural areas** over the past 12 months (since June 2008)

*ruralfarm09.sav*

Crop Codes (See crop codes on page 2)	From Nov 08 to Present			From June 08 to Oct 08		
	How many times did you harvest this crop?	How much in total did you harvest during this period? (Enumerator: Sum the harvest quantities for all times harvesting was done)		How many times did you harvest this crop?	How much in total did you harvest during this period? (Enumerator: Sum the harvest quantities for all times harvesting was done)	
		Quantity harvested	Unit (Use Codes below)		Quantity harvested	Unit (Use Codes below)
CROP	RUTIME1	RUQT1	RUNIT1	RUTIME2	RUQT2	RUNIT2

**Unit codes:** 1=90 kg bag; 2=kgs; 3=litre; 4=crates; 5=numbers 6=bunches; 8=other (specify); 9=gorogoro; 10= 2 kg packets 11=50 kg bag; 12=1 kg packets; 13=grams; 14=debe; 15=Tray

2.6 Over the past 12 months (since **June 2008**), did the household **receive any farm produce** from relatives/friends **INKIND**   
**residing in rural areas?**  
 (1 = yes, 2 = no) (Enumerator: prompt for milk, chicken, and eggs received)  
**➔ If answer is “no”, skip to Section 3**

2.7 If “yes” to Q2.6, please indicate below about how much of each crop your household **received from rural areas** over the past 12 months (since June 2008)

*inkind09.sav*

Crop/Produce Code (See codes on page 2)	From Nov 08 to Present			From June 08 to Oct 08		
	How many times did you receive this item?	How much in total did you receive during this period? (Enumerator: Sum the quantities for all times received)		How many times did you receive this item?	How much in total did you receive during this period? (Enumerator: Sum the quantities for all times received)	
		Quantity received	Unit (Use Codes below)		Quantity received	Unit (Use Codes below)
CROP	TIREC1	QNTREC1	UNITREC1	TIREC2	QNTREC2	UNITREC2

**Unit codes:** 1=90 kg bag; 2=kg; 3=litre; 4=crates; 5=numbers 6=bunches; 8=other (specify); 9=gorogoro; 10= 2 kg packets; 11=50 kg bag; 12=1 kg packets; 13=grams; 14=debe; 15=Tray

**3. PARTICIPATION IN URBAN LIVESTOCK KEEPING**

**3.1** Does the Household own any livestock here in town (*include chicken and other fowls*) 1. =Yes 2=No ( **If TOWNLS** answer is 'No' Skip to Q4.1)

**3.2** If yes to 3.1, please record the details below (*Reference period June 2008 to May 2009*)

*Enumerator Instruction:* Record either unit value (LUAL) if value is given per animal or total value (LTVAL) if total value for all animals is given.

*Livestock09.sav*

Animal		Number currently owned	If sold now, how much would you get <b>PER ANIMAL</b> (Unit Value in Ksh) ( <b>Enumerator:</b> record only if value is given per animal)	If sold now, how much would you get <b>IN TOTAL</b> (Total Value Ksh) ( <b>Enumerator:</b> record only if total value for all animals is given)
LIVECODE		LNUM	LUAL	LTVAL
Chickens	1			
Pigs	2			
Goats	3			
Sheep	4			
Ducks, geese, guinea fowl	5			
Rabbits	6			
Cows	7			
Heifers	8			
Bulls	9			
Oxen	10			
Calves	11			

#### 4. FOOD CONSUMPTION/PURCHASE BEHAVIOR

4.1 We would like to ask you some questions about the items that the Household has **consumed** over the **past 30 days** (1 month)

##### *Consumption09.sav*

Food and Non-Food Items  <i>Enumerator: Ask "CONSUME" for all products first then ask the other questions for each product consumed.</i>	Was ____ consumed in home prepared meals or used in the household at any time during the past 30 days?  1 = Yes 2 = No → go to next item	How much of ____ did you consume in the last 30 days?			Computed total quantity of consumption of ____ during last 30 days  CESTQT = CQUANT x CPERIOD	How much in quantity of the ____ consumed/ used by your HH over the past 30 days came from... <i>Enumerator: The sum of CGIFT, CPROD and CPURCH must equal CESTQT</i>				From what type of retail outlet did the HH mostly purchase ____ in this unit during the past 30 days?
		Quantity (No of units)	Unit (Use codes below)	Time period for number of units 30=per day 4=per week 1=per month		Gifts / Transfers	Own Production (Ask only if applicable)	Purchases  If "0", → go to next food item	If CPURCH > 0'' Unit price (KSH)  Use same unit as CUNIT	
CITEM	CONSUME	CQUANT	CUNIT	CPERIOD	CESTQT	CGIFT	CPROD	CPURCH	CPRICE	CRETAIL
<i>Cereals/staples:</i>										
Posho dehulled sold by a vendor /retailer	1									
Posho straight-run sold by a vendor /retailer	2									
Consumer- made posho dehulled via taking grain to mill	3									
Consumer- made posho straight-run via taking grain to mill	4									
Maize grain for other dishes	5									
Commercially manufactured maize meal (including repackaged)	6									
Green maize	7									
Rice	8									
Wheat flour	9									
Bread	10									

**CUNIT codes:** 1=90 kg bag; 2=kg; 3=litre; 4=crates; 5=numbers 6=bunches; 8=other (specify); 9=gorogoro; 10= 2 kg packets 11=50 kg bag; 12=1 kg packets; 13=grams; 14=debe ; 15=Tray

**CRETAIL codes:** 1=Supermarket chain (Uchumi, Nakumatt, Ukwala, Tuskys) 2=Other supermarket 3=Retail shop 4=Kiosk/Kibanda ; 5=Open air market 6=Hawker 7=Butchery 8=Greengrocer 9=Other

Food and Non-Food Items  <i>Enumerator: Ask "CONSUME" for all products first then ask the other questions for each product consumed.</i>	Was _____ consumed in home prepared meals or used in the household at any time during the past 30 days? 1 = Yes 2 = No → go to next item	How much of _____ did you consume in the last 30 days?			Computed total quantity of consumption of _____ during last 30 days  CESTQT= CQUANT x CPERIOD	How much in quantity of the _____ consumed/ used by your HH over the past 30 days came from... <i>Enumerator: The sum of CGIFT, CPROD and CPURCH must equal CESTQT</i>				From what type of retail outlet did the HH mostly purchase _____ in this unit during the past 30 days?
		Quantity (No of units)	Unit (Use codes below)	Time period for number of units 30=per day 4=per week 1=per month		Gifts / Transfers	Own Production (Ask only if applicable)	Purchases  If "0", → go to next food item	If CPURCH > 0'' Unit price (KSH)  Use same unit as CUNIT	
CITEM	CONSUME	CQUANT	CUNIT	CPERIOD	CESTQT	CGIFT	CPROD	CPURCH	CPRICE	CRETAIL
Spaghetti / macaroni / pasta	11									
Sugar	12									
Millet flour	13									
Sorghum flour	14									
Cooking banana (matoke)	15									
Fresh cassava	16									
Cassava chips	17									
Cassava flour / meal	18									
Irish potatoes	19									
Sweet potatoes	20									
Beans	21									
Green grams	22									
Cow peas	23									
Peanuts	24									
Biscuits	25									
<b>Dairy items:</b>										
Raw/Fresh unpasteurized milk	26									
Fresh pasteurized/long life milk	27									

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Food and Non-Food Items <i>Enumerator: Ask "CONSUME" for all products first then ask the other questions for each product consumed.</i>		Was ____ consumed in home prepared meals or used in the household at any time during the past 30 days?  1 = Yes 2 = No → go to next item	How much of ____ did you consume in the last 30 days?			Computed total quantity of ____ during last 30 days  CESTQT= CQUANT x CPERIOD	How much in <b>quantity</b> of the ____ consumed/ used by your HH over the past 30 days came from... <i>Enumerator: The sum of CGIFT, CPROD and CPURCH must equal CESTQT</i>				From what <b>type of retail outlet</b> did the HH <b>mostly</b> purchase ____ in this unit during the past 30 days?
			Quantity (No of units)	Unit (Use codes below)	Time period for number of units 30=per day 4=per week 1=per month		Gifts / Transfers	Own Production (Ask only if applicable)	Purchases <b>If "0", →go to next food item</b>	If CPURCH>0'' Unit price (KSH)  Use same unit as CUNIT	
CITEM	CONSUME	CQUANT	CUNIT	CPERIOD	CESTQT	CGIFT	CPROD	CPURCH	CPRICE	CRETAIL	
Sour Milk	28										
Powdered milk	29										
Yoghurt	30										
Cheese	31										
Margarine/Butter	32										
Cooking oil/fat	33										
<b>Meat and eggs:</b>											
Beef and other red meat	34										
Pork	35										
Sausages/Hot dogs	36										
Chicken and other poultry	37										
Eggs	38										
<b>Fish:</b>											
Fresh fish	39										
Dried fish	40										
Omena	41										
<b>Other foods:</b>											
Honey	42										
Coffee granules/ tea leaves	43										

**CUNIT codes:** 1=90 kg bag; 2=kg; 3=litre; 4=crates; 5=numbers 6=bunches; 8=other (specify); 9=gorogoro; 10= 2 kg packets 11=50 kg bag; 12=1 kg packets; 13=grams; 14=debe ; 15=Tray

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Food and Non-Food Items <i>Enumerator: Ask "CONSUME" for all products first then ask the other questions for each product consumed.</i>		Was _____ consumed in home prepared meals or used in the household at any time during the past 30 days?  1 = Yes 2 = No → go to next item	How much of _____ did you consume in the last 30 days?			Computed total quantity of _____ during last 30 days  CESTQT= CQUANT x CPERIOD	How much in quantity of the _____ consumed/ used by your HH over the past 30 days came from... <i>Enumerator: The sum of CGIFT, CPROD and CPURCH must equal CESTQT</i>				Where is the retail outlet located from which the HH mostly purchased this item in the past 30 days? See codes on next page
			Quantity (No of units)	Unit (Use codes below)	Time period for number of units 30=per day 4=per week 1=per month		Gifts / Transfers	Own Production (Ask only if applicable)	Purchases If "0", → go to next food item	If CPURCH > "0" ' Unit price (KSH) Use same unit as CUNIT	
CITEM		CONSUME	CQUANT	CUNIT	CPERIOD	CESTQT	CGIFT	CPROD	CPURCH	CPRICE	CRETAIL
Soft drinks (e.g. coca-cola)	44										
Concentrated juices	45										
Tobacco products	46										
Beer /alcohol	47										
<b>Vegetables:</b>											
Sukuma wiki	48										
Tomato	49										
Onion	50										
Cabbage	51										
Cow pea leaves	52										
Amaranths	53										
Bean leaves	54										
Managu/osuga leaves	55										
Okra (lady's finger)	56										
Pumpkin leaves	57										
Eggplant	58										
Green beans	59										
Lentils/Kamande	60										

**CUNIT codes:** 1=90 kg bag; 2=kg; 3=litre; 4=crates; 5=numbers 6=bunches; 8=other (specify); 9=gorogoro; 10= 2 kg packets 11=50 kg bag; 12=1 kg packets; 13=grams; 14=debe ; 15=Tray

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Food and Non-Food Items <i>Enumerator: Ask "CONSUME" for all products first then ask the other questions for each product consumed.</i>		Was _____ consumed in home prepared meals or used in the household at any time during the past 30 days?  1 = Yes 2 = No → go to next item	How much of _____ did you consume in the last 30 days?			Computed total quantity of _____ during last 30 days  CESTQT= CQUANT x CPERIOD	How much in quantity of the _____ consumed/ used by your HH over the past 30 days came from... <i>Enumerator: The sum of CGIFT, CPROD and CPURCH must equal CESTQT</i>				Where is the retail outlet located from which the HH mostly purchased this item in the past 30 days? See codes on next page
			Quantity (No of units)	Unit (Use codes below)	Time period for number of units 30=per day 4=per week 1=per month		Gifts / Transfers	Own Production (Ask only if applicable)	Purchases If "0", → go to next food item	If CPURCH > "0" ' Unit price (KSH) Use same unit as CUNIT	
CITEM		CONSUME	CQUANT	CUNIT	CPERIOD	CESTQT	CGIFT	CPROD	CPURCH	CPRICE	CRETAIL
Spider plant	61										
Dhania	62										
<b>Fruits:</b>											
Bananas	63										
Mangoes	64										
Orange/tangerine/lemon	65										
Apples	66										
Pawpaw	67										
Watermelon	68										
Avocado	69										
Plums	70										
<b>Non-food items</b>											
Charcoal	71										
Firewood	72										
Paraffin/ kerosene	73										
Candles	74										
Batteries	75										
Toilet paper	76										

**CUNIT codes:** 1=90 kg bag; 2=kg; 3=litre; 4=crates; 5=numbers 6=bunches; 8=other (specify); 9=gorogoro; 10= 2 kg packets 11=50 kg bag; 12=1 kg packets; 13=grams; 14=debe ; 15=Tray

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## 5.0 PURCHASE AND CONSUMPTION OF FOOD OUTSIDE THE HOME

We would like to know about how much each person in your HH spent on food consumed outside the home in the past 30 days.

*Foodout09.sav*

Person		Did this person purchase any food or beverages outside home in the last 30 days? 1=Yes 2=No (Skip to next person)	Amount Spent (KSh)	Frequency (at which they spent this amount) 1= Daily 2= Weekly 3=Total over the month	Which food item or dish or meal accounted for the largest share of this expenditure? 1=githeri 2= ugali & vegetables 3= ugali & meat 4=other, specify	Considering the answer to the previous question, about what % of total expenditures by this person were on this food/dish/meal?
	PERID	FOUT	AMOUNT	FREQ	DISH	PERCENT
Head	1					
Spouse	2					
Other Family Members (total up across all other resident members beside the head and spouse).	3					
Whole Family Outings( <i>refers to outings with everyone and do not include individual expenditures</i> )	4					

**6.0 HOUSEHOLD NON FOOD EXPENDITURES****6.1 Please give an estimate of TOTAL EXPENDITURES on the following items (do not fill shaded area)***Expenditure09.sav*

ITEM		How much in total was spent by household members for _____ during the <b>LAST 30 DAYS?</b> (KSh) <i>Enter “-99” for “I do not know”</i>	How much in total was spent by household members for _____ during the <b>LAST ONE YEAR</b> (June 2008 to May 2009)? (KSh) <i>Enter “-99” for “I do not know”</i>
AITEM		LASTMTH	LASTYR
Soap for bathing	1		
Soap for washing	2		
Jelly (Vaseline)	3		
Over the counter medicines e.g. aspirin/panadol/others	4		
Health & beauty aids, personal care items, hair/skin products (toothpaste e.t.c.)	5		
Housing rent (enter monthly cost, even if it is not paid on a monthly basis)	6		
House Mortgage payments	7		
Transport (fuel costs, oils, <i>if owns car/motorcycle</i> )	8		
Transport (other: fare, etc.)	9		
Water and sewerage (if not included in rent)	10		
Gas	11		
Electricity (if not included in rent)	12		
Cell/mobile phone (air time only) and/or land phone service	13		

**HOUSEHOLD NON FOOD EXPENDITURES (continued)**

ITEM		How much in total was spent by household members for _____ during the <b>LAST 30 DAYS?</b> (KSh) <i>Enter “-99” for “I do not know”</i>	How much in total was spent by household members for _____ during the <b>LAST ONE YEAR</b> (June 2008 to May 2009)? (KSh) <i>Enter “-99” for “I do not know”</i>
AITEM		LASTMTH	LASTYR
Medical expenses (excluding over the counter medicines such as aspirin / panadol / other medicines)	14		
Household domestic help (monthly)	15		
Leisure/recreation/entertainment expenditures	16		
All other recurring monthly expenditure items	17		
Household furniture (Bed, table, chairs)	18		
Clothing	19		
Carpet, curtains, rugs, drapes	20		
Beddings (including mosquito nets)	21		
Bicycle (purchasing and/or repairs)	22		
Car/motorcycle (purchasing and/or repairs)	23		
Funeral, marriage or dowry expenses	24		
Ceremonial expenses (e.g., tea parties, birthdays, initiation ceremonies)	25		
School fees, supplies and other education expenses	26		
Buying land/house	27		
Gifts/remittances/cash out	28		
Household electronics (Radio, TV, CD/DVD player e.t.c.)	29		

**HOUSEHOLD NON FOOD EXPENDITURES (continued)**

<b>ITEM</b>		How much in total was spent by household members for _____ during the <b>LAST 30 DAYS?</b> (KSh) <i>Enter “-99” for “I do not know”</i>	How much in total was spent by household members for _____ during the <b>LAST ONE YEAR</b> (June 2008 to May 2009)? (KSh) <i>Enter “-99” for “I do not know”</i>
<b>AITEM</b>		<b>LASTMTH</b>	<b>LASTYR</b>
Cell/mobile phone	30		
Household appliances (e.g., hot plate, refrigerator, washing machine)	31		
Kitchen utensils	32		
Other Household items (specify)	33		
Insurance premiums (health, life, auto, e.t.c.)	34		
Contribution to SACCOS, merry-go-rounds, investment clubs etc	35		
Other Savings	36		

**Maize Meal Consumption**

**7.0** What **type of maize meal** does your household **mostly** consume?

- 1=Posho **dehulled** sold by a vendor/retailer, 2=Posho straight-run sold by a vendor /retailer
- 3=Consumer-made posho **dehulled** via taking grain to grinding mill,
- 4=Consumer-made posho **straight-run** via taking grain to grind mill
- 5=Maize grain for other dishes 6= Commercially manufactured maize meal (including repackaged)
- 7=Does not consume maize meal (*If answer=7 then skip to Q8*)

**MEAL**

**7.1** OK, You have indicated that you consume most of your maize meal in the form of (*specify either Posho dehulled sold by a vendor/retailer, Posho straight-run sold by a vendor /retailer, Consumer-made posho dehulled via taking grain to grinding mill, Consumer-made posho straight-run via taking grain to grind mil, Maize grain for other dishes, Commercially manufactured maize meal (including repackaged)*). Why do you consume maize meal **mostly** in this form rather than (mention the other 2 options to respondent)? **Choose up to three reasons in order of importance.**

- 1 = It is comparatively cheaper    2 = It is more convenient    3 = It is more nutritious
- 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 do mainly own posho milling
- 9 = More readily available    10= Takes shorter time to cook
- 11= Easy to cook    12 = Others (Specify).....

**REAS1:**

**REAS2:**

**REAS3:**


**8.** What type of maize meal was your household primarily eating 5 years ago (2003-2004)?

- 1=Posho **dehulled** sold by a vendor/retailer, 2=Posho **straight-run** sold by a vendor /retailer
- 3=Consumer-made **posho dehulled** via taking grain to grinding mill,
- 4=Consumer-made **posho straight-run** via taking grain to grind mill
- 5=Maize grain for other dishes 6= Commercially manufactured maize meal (including repackaged)
- 7 = Was not eating maize meal (*If answer=7 then skip to Q18*)
- 8 = I was in a different household then (*If answer=8 then skip to Q10*)
- 9=Other (specify)\_\_\_\_\_

**MEL0304:**



9. **Note to Enumerator:** If there **has been a switch** in the **primary** maize meal consumed 5 years ago **WHY1**  
**Vs. now, ask why the switch?**

- 1=relatively cheaper now
- 2 = relatively more expensive now
- 3 = price difference greater now than in 03/04
- 4 = price difference less now than in 03/04
- 5 = grain less available now than in 03/04
- 6 = grain more available now compared to 03/04
- 7 = more posho mills in the area than in 03/04
- 8 = few posho mills in the area than in 03/04
- 9 = hygiene more a problem now than in 03/04
- 10 = hygiene less of a problem now than in 03/04
- 11 = quality more a problem now than in 03/04
- 12 = quality less a problem now than in 03/04
- 13 = we now get grain from relatives in rural areas (whereas before, we did not)
- 14 = we no longer get grain from relatives in rural areas (whereas before, we did)
- 15 = other (specify) \_\_\_\_\_

**WHY2**


10. How many posho mills do you know of **near** (within 15 minutes walk) your home? ***N<sub>o</sub> of mills***

**MILL09:**

11. How many posho mills were near your home (within 15 minutes) **5 years ago?** (-9=was not living here then)

**MILL0304:**

12. **(If the Household mills grain into posho) Who** is it in your household that **normally** takes the maize to the posho mill? (1 = Head, 2 = Spouse, 3 = domestic worker, 4 = children, 5 = other.....)

**WHOMIL:**

13. At the mill you normally use this past month (May 2009), how long does it **normally** take to **(enumerator convert to minutes)**

- a) buy grain in the market
- b) take it to mill you normally go to
- c) wait in queue and mill
- d) take the posho home

**TIME01:**

**TIME02:**

**TIME03:**

**TIME04:**

14. How many weeks after milling can you keep posho meal before it starts to go bad? (***N<sub>o</sub> of weeks***) (-99= "I don't know")

**WKFRESH**

15. Are there times of the year when you would wish to buy maize grain to mill into Posho, but grain is not available to buy? (1 = Yes 2 = No; ***skip to Qn 17***)

**MZAVAIL:**

**16.** What are the most common months of maize grain unavailability? 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:**

**17.** What months have the highest maize grain **prices**? 1=Jan, 2=Feb, 3=Mar, 4=Apr,  
5=May, 6=Jun 7=July, 8=Aug, 9=Sep, 10=Oct, 11=Nov 12=Dec

**HIGHPRI1:**

**HIGHPRI2:**

**18. Household Demographic Information**

**We would like some information about the HH members who regularly consume food here over the past 12 months (June 08 to May 09)**

*Demog09.sav*

Person Code	Household member name	Gender 1= male 2= female	Age (years)	Relation to head 1 = head 2 = spouse 3 = child 4 = niece/nephew 5 = parent 6= brother/sister 7 = other relative 8=son/daughter in-law 9=grand child 10 = worker 11=unrelated (specify)...	Marital status 1=Monogamous marriage 2=Polygamous Marriage 3 = never married 4= divorced 5 = widow/widower 6 = separated	Months living at this HH over the past 12 months	Currently attending School? 1 = yes 2 = no	What is the highest Education level _____ completed (Yrs) 0=none 1....14 for yrs in school 18=some college 19=Completed coll 20=some university 21=completed univ 22=post-graduate	Did this person engage in any <b>salaried labor</b> activities over the past 12 months?*	Did this person engage in any <b>business or informal labor</b> activities over the past 12 months?  <i>Probe for remittance and pensions</i>	Was this member chronically ill <b>for at least 3 months</b> over the past year? 1=yes 2=no  (chronically ill = unable to perform normal work duties)
MEM	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D12
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

HHID \_\_\_\_\_

**19.0** Did your HH lose any member in the **last 2 years** to disease or other cause? (1=yes 2=no; *skip to Qn 20*) **LOSE**

**19.1** If “yes” to Q19, please fill the table below;

*Death09.sav*

Deceased member id	What was the relation of this person to the hh head at the time of his/her death? (refer to CODES)	In what year was the person born?	What was the gender of the deceased? 1=male 2=female	Year of death 1=2007 2=2008 3=2009	Cause of Death 1=accident 2=disease 3=other	If <b>DD5=2</b> , which one? 1=Malaria 2=pneumonia 3=TB 4=AIDS 5=Diabetes 6=Heart Attack 7=Cancer 8=Other (specify).....
ID	DD1	DD2	DD3	DD4	DD5	DD6

**20.0 HOUSE OWNERSHIP**

**20.1** Under what arrangements do you live here? 1 = Own house 2 = Renting 3=Free accommodation/Housed by employer  
4 = Other (specify) .....

**RESOWN**

**20.2a** (*RESOWN = 1*) If you were to **rent out** this house to someone else, about how much would the rent be **per month** (KSh)?

**LETOUT**

**20.2b** (*RESOWN=3*) If you were to **pay rent** for this house, about how much would the rent be **per month** (Ksh)?

**RENT**

**20.3** Does the main House have electricity? 1=Yes 2= No

**ELEC**

**20.4** Does the main House have modern plumbing? 1=Yes 2= No

**PLUMB**

**20.5** How many years has the head of household lived in this home? (in years)

**RESYEAR**

**Enumerator Instructions:** *Observe what building materials the main house is made of*

**20.6 Roof** 1 = grass thatched 2 = iron sheet 3 = roofing tile 4 = concrete 5=cardboard 6=other (specify.....)

**ROOF**

**20.7 Walls** 1 = mud 2 = brick/stone 3 = wood 4 = iron sheet 5=Plaster 6=other (specify.....)

**WALLS**

**20.8 Floor** 1 = cement 2 = earth 3 = ceramic tiles 4= wooden 5=other (specify.....)

**FLOOR**

**20.9** How many rooms are in your home? (*A room is one that can be used to live in or store things*) **ROOMS**

**21. HOUSEHOLD ASSETS**

*Assets09.sav*

Item	How many ( <b>in working order</b> ) does the family own?	If you were to sell this item/these items, how much ( <b>in total</b> ) would you get? (KSh )
	<b>ASET0</b>	<b>ASET1</b>
		<b>ASET2</b>
Electric cooker (stove)	<b>1</b>	
Gas cooker (stove)	<b>2</b>	
Electric hot plate	<b>3</b>	
Radio	<b>4</b>	
Color television	<b>5</b>	
Black and white television	<b>6</b>	
Mobile phone	<b>7</b>	
Regular/land phone	<b>8</b>	
Refrigerator and/or freezer	<b>9</b>	
Car	<b>10</b>	
Bicycle	<b>11</b>	
Motorcycle	<b>12</b>	
Borehole	<b>13</b>	

**22** During the post election violence of 2008, was this HH affected in any way? (1=Yes, 2=No)

**PEVAF**

*If answer to Q22 is "No", go to Q25*

**23. If Yes to Q 22, how was this HH affected?**

- |   |  |
|---|--|
| 1=House was completely destroyed                                      | 2= House was seriously damaged                               |
| 3= House was vandalized   | 4= HH member was killed                                      |
| 5= HH member was physically injured                                   | 6= HH member was robbed                                      |
| 7= HH had to temporarily abandon home                                 | 8= HH took in other family members displaced by the violence |
| 9= HH took in neighbors /non-family members displaced by the violence |  |
| 10= HH was evicted from home  | 11= Other (specify)_____                                     |

**PEV1**

**PEV2**

**PEV3**

**PEV4**

**PEV5**


HHID \_\_\_\_\_

24. If HH took in other family or non-family members during the violence, how many are still living in the HH?

PEVS

**COPING MECHANISMS**

25. Did this household change its food consumption pattern to cope with the recent (from late 2008) **very high food prices**? (1=Yes, 2=No) *If answer is "No" go to Q28*

PCHANGE

26. In coping with the recent very high food prices, to what measures did your HH resort?

- 1=Skipping meals                      2=Eating alternative staples      3=Eating smaller amounts
- 4=Engaging in degrading jobs    5=Borrowing food from rural areas    6=Allowing children to eat more
- 7=Borrow money to buy food              8=Other (Specify)\_\_\_\_\_

COPMEC1

COPMEC2

COPMEC3

COPMEC4

27. If Q26=2; "you have **shifted to alternative staples**", which have you switched to?

- 1=Wheat/bread      2=Sweet potato      3=Other (specify)\_\_\_\_\_

STAPLE1

STAPLE2

28. What is the **religion** of the **head** of the household? 1=Christian; 2=Muslim; 3=Budhist; 4=Atheist; 5=Hindu

RELIG

**End of interview**

29. *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*

30. *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*

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