

Draft: 29<sup>th</sup> November 2003

## EGERTON UNIVERSITY /MICHIGAN STATE UNIVERSITY URBAN SURVEY 2003

“We are part of a team at Egerton University, who are trying 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. The survey should take less than a half-hour. 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 600 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 020-2717-818).” “You indicate your voluntary agreement to participate by beginning this interview. Do you have any questions?”

### 1. IDENTIFIERS

Date of Interview	DATE:	
Enumerator Code	ENUM:	
Estate/Residential Area	ESTATE:	
Division	DIV:	
Location	LOC:	
Sublocation	SUBLOC:	
Enumeration Area (If CBS Frame Used)	EANUMBR:	
Household Number	HHID:	
Name of Respondent	NAME:	
Tribe(Head-ask after interview)	TRIBE1 :	
Tribe(Spouse-ask after interview)	TRIBE2 :	
Religion	RELIG :	

### For Official Use Only

	Name	Code/ID	Day	Month	Year
Received by:					
Edited by:					
Keyed by:					

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

2.1 Over the past growing season (since Oct 02), did the HH **PRODUCE** maize or any other crop **here** **PRODUCE** **in town?** (1 = yes, 2 = no)

If yes, please indicate crops grown and about how much of each was **produced and sold**

Crop Codes (See crop codes next page)	Production over past 12 months		Sales over past 12 months	
	Quantity	Unit (Use Codes below)	Quantity	Unit (Use Codes below)
CROP	QNTPROD	UNITPROD	QNTSOLD	UNITSOLD

**Unit codes:**

- 1=90 kg bag      4=crates              7=handfuls              10= 2 kg packets      13=grams
- 2=kgs              5=numbers              8=other(specify).....      12= 1 kg packets      14=debe
- 3=litre              6=bunches              9=gorogoro              11=50 kg bag              15=Tray

**If answer to 2.1 is no, then ask**

2.2 Why are you not growing any crops in town now?  
 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=other (specify)\_\_\_\_\_

YNOTGROW

CROP CODES (Alphabetical list from Tampa Survey)

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		
60	barley	2	green maize	172	pumpkin leaves		
7	beans	167	green peas	17	pyrethrum		
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		

**Extra Codes(Mixed)**









Food Item	Was this item <i>consumed</i> in home prepared meals over the past 30 days?  1 = yes 2 = no  <b>If no, go to next item</b>	Did HH family <i>purchase</i> this item over the past 30 days?  1 = yes 2 = no	If HH <b>did not purchase</b> the item but <b>did consume</b> it during the past 30 days, where did the item come from?  1= own field in town 2=received from family in rural areas 3=Own farm-rural 4=other (specify)...	If your household purchased this item during the past 30 days						
				Where did HH purchase most of this product?  <i>See purchase location codes bottom next page</i>	What is the <b>TOTAL AMOUNT</b> of this item that HH purchased over the past 30 days?  (see unit codes on pg 2 )	What is the most common price HH paid for this item over the past 30 days? <b>(Enumerator: Use same unit as for purchases)</b>  Ksh/unit	Did HH <b>primarily</b> purchase imported or domestically produced varieties of this item?  1=primarily imported 2=primarily domestic 3=about the same of each 4=don't know	If HH primarily purchase <b>IMPORTED</b> varieties, why?  1=better quality 2=lower price 3=more regular availability 4=other (specify).....	If HH primarily purchase <b>DOMESTIC</b> varieties, why?  1=better quality 2=lower price 3=more regular availability 4=other (specify).....	
										Quantity
ITEM	CONSUME	PURCHASE	ORIGIN	LOCPUR	QNTPUR	UNITPUR	PRICE	WHATPUR	WHYPUR1	WHYPUR2
35=Cooking Bananas										
36= Avocado										
37=Oranges										
38= Pawpaws										
39=Mangoes										

**Purchase Location Codes:**

1=Large Supermarket Chains(Uchumi, Nakumatt, Ukwala, Tusker)  
2=small supermarket (not a chain)

3=Duka /Shop  
4=Green grocer (building with concrete/stone walls, electricity -- permanent construction)  
5=Market

6=Hawker (seller with no physical sales infrastructure)  
7=Kiosk or Kibanda (non-permanent construction)

8=milk bars 9=dairy plant 10=butchery  
11=neighbour 12=poshos mill  
13=restaurant 14=other(specify).....

**4.1(a) How much did the household spend on fish in the last 1 month?**

**FISHEXP**





Food Item	Was this item <i>consumed</i> in home prepared during JUNE 2003?  1 = yes 2 = no  <b>If no, go to next item</b>	Did HH family <i>purchase</i> this item during JUNE 2003?  1 = yes 2 = no	If HH <b>did not purchase</b> the item but <b>did consume</b> it during JUNE 2003 where did the item come from?  1= own field in town 2=received from family in rural areas 3=Own farm-rural 4=other (specify)...	If your household purchased this item during JUNE 2003						
				Were the HH purchases for item in JUNE 2003 different from last 1 month?  1=less 2=same 3=more	What is the <b>TOTAL AMOUNT</b> of this item that HH purchased during JUNE 2003?  (see unit codes )		What is the most common price HH paid for this item during JUNE 2003?  ( <b>Enumerator:</b> Use same unit as for purchases)  Ksh/unit	Did HH <b>primarily</b> purchase imported or domestically produced varieties of this item?  1=primarily imported 2=primarily domestic 3=about the same of each 4=don't know	If HH primarily purchase <b>IMPORTED</b> varieties, why?  1=better quality 2=lower price 3=more regular availability 4=other (specify)..... ...	If HH primarily purchase <b>DOMESTIC</b> varieties, why?  1=better quality 2=lower price 3=more regular availability 4=other (specify)..... .
					Quantity	Unit				
ITEM	CONSUME	PURCHASE	ORIGIN	JUNPUR	QNTPUR	UNITPUR	PRICE	WHATPUR	WHYPUR1	WHYPUR2
26 = Irish Potatoes										
27= Sweet potatoes										
28=Carrots										
29=Cabbage										
30= French Beans										
31= Tomatoes										
32= Sukuma wiki										
33= Onions										
<b>Fruits:</b>										
34= Bananas										
36= Avocado										
37= Oranges										
38= Pawpaws										
39=Mangoes										

**Purchase Location Codes:**

- 1=Large Supermarket Chains(Uchumi, Nakumatt, Ukwala, Tusker)
- 2=Duka/Shop
- 3=Green grocer (building with concrete/stone walls,
- 4=Hawker (seller with no physical sales infrastructure)
- 5=milk bars
- 6=dairy plant
- 7=butchery

2=small supermarket (not a chain)

electricity -- permanent construction)  
5=Market

7=Kiosk or Kibanda (non-permanent construction)

11=neighbour 12=posho mill  
13=Restaurant 14=other(specify).....

4.3 Please list any **other** fruits or vegetables (**other than the ones already listed above**) that the HH purchases **AT LEAST ONCE A MONTH**, starting with the most important, and indicate approximate quantities for each

CROP	Average quantity purchased per month over past 12 months		Number of months purchases made in the last 12 months	Where did HH purchase most of this product?  <i>See purchase location codes at bottom of previous table</i>
	Quantity	Unit of purchase (use Codes)		
CROP	QUANT	UNIT	NUMONTHS	LOCPUR

**5. TOTAL HOUSEHOLD EXPENDITURES**

**5.1 Please give an estimate of TOTAL EXPENDITURES on the following items(do not fill shaded area) .....**

ITEM	Total Expenditures LAST MONTH	Total Expenditure LAST 12 MONTHS (YEAR)
ITEM	LASTMTH	LASTYR
1 = food consumed in home		
2 = food consumed outside home		
3 = housing rent		
4 = transport (fuel costs, <i>if owns car</i> )		
5= transport (other; <i>fare etc</i> )		
6 = water		
7= charcoal		
8 = Gas		
9 = paraffin		
10= electricity		
11= All other items		
12= household appliances		
13 = household furniture		
14 = bicycle		
15 = car/motorcycle		
16=medical expenses		
17=School fees		
18 = Buying Land/House		
19= all other large expenditures		

6 OK, You have indicated that you consume most of your maize meal in the form of (*specify either sifted 1(hostess), sifted 1 (Jogoo, Ndovu, etc), Posho dehulled, Posho straight run*). 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

- 0 = It is comparatively cheaper      1 = It is more convenient      2 = It is more nutritious
- 3 = It is more hygienic / clean      4 = Tastes better      5 = It fills up the stomach better
- 6= Habit      7 = We get maize grain from rural areas, so do mainly own posho milling
- 8= Others(Specify).....

**REAS1:**

**REAS2:**

**REAS3:**


7 What type of maize meal was your household primarily using in the mid-1990s (e.g., 1995-1997, (6-8 years ago)?

- 1 = Sifted 1 (Hostess)      2 = Sifted 1 (Jogoo, Ndovu, Pembe )
- 3 = Posho Dehulled (Service Milled)      4 = Posho Straight Run(Service Milled)
- 5=Purchased ready posho in market or at mill      6=I was in a different household then      7=other.....

**MEAL9696:**

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*If answer=6 to question 7 then skip to Q9*

8 **Note to Enumerator:** If there **has been a switch** in the **primary** maize meal consumed 6-8 years ago vs. now, **ask why the switch ?**

- 1 = price difference greater now than in 1995/97      2 = price difference less now than in 1995/97
- 3 = grain less available now than in 1995/97      4 = grain more available now compared to 1995/97
- 5 = more posho mills in the area than in 1995/97      6 = less posho mills in the area than in 1995/97
- 7 = hygiene more a problem now than in 1995/97      8 = hygiene less of a problem now than in 1995/97
- 9 = quality more a problem now than in 1995/97      10 = quality less a problem now than in 1995/97
- 11 = we now get grain from relatives in rural areas (whereas before, we did not)
- 12 = we no longer get grain from relatives in rural areas (whereas before, we did)      13 = other (specify): \_\_\_\_\_

**REASSWIT :**

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9 How many posho mills do you know of **near** (within 15 minutes walk) your home? # mills **MILLS03:**

10 How many posho mills were near your home (within 15 minutes) **6-8 years ago?** (-9=was not living here then) **MILLS9597:**

11 **(If the hh mills grain into posho): Who** is it in your household that **normally** takes the maize to the posho mill? (1 = Wife, 2 = husband, 3 = maid, 4 = children, 5 = other.....) **WHOMIL:**

12 At the mill you normally use this past October 2003 (or November 2003), how long does it **normally** take to **(enumerator convert to minutes)**

buy grain in the market

take it to mill you normally go to

wait in queue and mill

take the posho home

**TIMEO1:**   
**TIMEO2:**   
**TIMEO3:**   
**TIMEO4:**

13 At the mill you normally use this past June 2003, how long does it **normally** take to **(enumerator convert to minutes)**

buy grain in the market

take it to mill you normally go to

wait in queue and mill

take the posho home

**TIMEJ1:**   
**TIMEJ2:**   
**TIMEJ3:**   
**TIMEJ4:**

- 14 How many weeks after milling can you keep posho meal before it starts to go bad? # weeks: **WKSFRSH:**
- 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) **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 **HIGHPRI:**



19. Did your HH lose any member in the last 12 months to disease or other cause? (1=yes 2=no)

19.1. If yes to above, please fill the table below;

MEM Code (See Demography table)	Cause of Death	If D2=2 , which one?
D1	1=accident 2=disease	1=Malaria 2=pneumonia 3=TB 4=other (Specify).....
	D2	D3

**19. We would like to know how tastes and preferences for food vary by income. We therefore wish to ask you a few questions about the different sources of income your household has. This information will remain strictly confidential and will only be used to compare responses across income categories.**

20.1 From the previous section you indicated that your HH has \_\_\_\_\_ members who were engaged in **SALARIED WAGE** activities over the past 12 months. Is this correct? (*Enumerator: If correct, enter this number in box on right. If incorrect, go back to D12 in demography table, correct where needed, and enter corrected number in box at right*)

SALMEM

20.2 From the previous section you indicated that your HH has \_\_\_\_\_ members who were engaged in **BUSINESS OR INFORMAL WAGE** activities over the past 12 months. Is this correct? (*Enumerator: If correct, enter this number in box on right. If incorrect, go back to D13 in demography table, correct where needed, and enter corrected number in box at right*)

BSMEM

20.3 About how much did each member make in SALARIED WAGE activities over the past 12 months? (Enumerator: the MEM numbers in the table below should correspond to those with answers of “yes” in D12 of the Demography table)

Member Number (from Demography table)	Activity (see codes next page)	Number of months wage was earned in past 12 months	Monthly salary
<b>MEM</b>	<b>ACTIVITY</b>	<b>NMTHSAL</b>	<b>SALARY</b>

20.4 About how much did each member make in **BUSINESS AND INFORMAL LABOR** activities over the past 12 months? (*Enumerator: the MEM numbers in the table below should correspond to those with answers of “yes” in D13 of the Demography table*)

Member Number (from Demography table)	Activity (see codes this page)	Number of months over past 12 that business or informal wage income was earned	Average monthly earnings
<b>MEM</b>	<b>ACTIVITY</b>	<b>NMTHINF</b>	<b>EARNINF</b>

**Activity Codes**

<b>Salary/Wages</b>		<b>Informal/Business</b>				
38 Accountant	39 Mechanic	59 Accounting clerk	15 Fish trading business	64 Pit latrine digger	37 Traditional doctor	
18 Banker/receptionist	28 Messenger	1 Agricultural Trading	44 Hair dresser/barber	26 Planting business	38 Transporter (goods)	
1 Cane cutter	9 Nurse	46 Bar operator business	16 Harrowing business	27 Ploughing business	52 Vehicle mechanic	
34 Carpenter	27 Pastor/Religious services	65 Battery charging business	71 Harvesting business	47 Plumber	68 Video business	
2 Chief/Assistant chief	10 Pension	Bicycle (repair/transporter) business	17 Hawking	28 Posho mill business	57 Village elder	
20 Civic Leader	11 Policeman/woman	3 Brick making business	18 Jaggery business	29 Rental of property	39 Weaving	
23 Cleaner	12 Remittance	4 Brokerage business	49 Laundry business	Retail shop/kiosk/shopkeeping	40 Welding/painting/blacksmith	
3 Clerk	22 Road constructor	5 Butchery business	Livestock trading business	54 Sand harvesting business	67 Wine tapper	
35 Committee member	13 Sales person	6 Carpentry business	20 Local brewing business	43 School business		
25 Conductor	31 Secretary	8 Charcoal burning business	42 Lumbering/wood cutting	Selling mandasi-cakes-bread/cook		
5 Doctor	24 Shopkeeper/Attendant	9 Clothes business	21 Making pots	32 Selling water		
4 Driver	Subordinate Civil services	51 Cobbler	22 Masonry	70 Sheep shearer		
36 Engineer	32 Surveyor	56 Commercial tree selling	23 Matatu business	33 Spraying business		
6 General farm worker	41 Tailor	10 Curio business	41 Medical health business	50 Surveyor		
7 House help	14 Tea picker	11 Dealing ropes/sisal/firewood	24 Mining business	34 Tailoring business		
8 Industrial worker	15 Teacher	12 Driver	55 Nurse	62 Thatching grass selling		
33 Lab attendant	26 Veterinary doctor	13 Earnings dividends	72 <b>Other specify</b> .....	35 Timber trading business		
21 Lecturer/Tutor	16 Waiter/cook	14 Electrician	69 Pet breeder	60 Tour guide		
19 Manager	17 Watchman	7 Farm kibarua	25 Photography business	36 Tout		
	42 <b>Other Specify</b> .....					

**21. PURCHASE AND CONSUMPTION OF FOOD OUTSIDE THE HOME**

Ask the following questions with reference to the *last 24hrs*

	Did this member purchase meals outside the home over the past 24 hours?  1 = Yes 2 = No 3 = Don't know	What meals were purchased?				How much did this person spend in the last 24 hours on this food?  <b>Shillings</b> -8=don't know	Where did you purchase this food?  1 = at workplace 2 = on the street 3 = at a restaurant/cafe 4 = school 5=Other (specify)..... -8=Don't know <i>(enter up to two places, starting with the most important)</i>	
		Combined Dishes			Additional items with the meal ...			
		Starch/main dish ...	... combined with ...					
		0=none 1 = Ugali 2 = Rice 3=Chapati 4=Githeri 5=Chips 6=Bread/Bun/cake/biscuit 7=other (specify)..... 8=Don't know	0=none 1=Vegetables 2=Meat(bee f) 3=Fish 4=Beans\grams 5=Sausage	6=Milk 7=vege. & meat 8=vege. & chicken 9=meat (Chicken) 10=other (specify).... ...	0=none 1=Milk 2=Soda 3=Juice 4=Water 5=other non-alcoholic beverage 6=Fruit 7=Alcoholic bev 8=Biscuit 9=cake 10=Roasted maize cob 11=other(specify)..... 12=Don't know			
Person	O1	O2	O3		O4	O5	O6	O7
1 = Head								
2 = Spouse								
*3 = Children ; Child 1								
Child 2								
*4 = Other HH Members								
Mem 1								
Mem 2								

\* Write person code from Demography table

22. In the last **one week** could you indicate how much of the following you have consumed at home and away from home?

	Members	Milk		Soda		Juice		Alcoholic Beverage		
		Quantity(#)	Units	Quantity(#)	Units	Quantity(#)	Units	Type(see codes)	Quantity(#)	Units
<b>1</b>	All HH members (at Home)									
<b>2</b>	Head (away from home)									
<b>3</b>	Spouse (away from home)									
<b>4</b>	Children (away from home)									
<b>5</b>	Other HH members (away from home)									

**Unit Codes**      1=300ml    3=1 litre    5=5 litre    7=Glass    9=gorogoro can  
 2=500ml    4=2 litre    6=125ml    8=treetop bottle    10=Tots of whisky    11 Satchets    -77=don't know

**Codes for type of alcoholic drinks**

1. Beer      2. Whisky    3. Brandy    4. Busaa    5. Muratina      6. Other specify.....

**23. HOUSE OWNERSHIP**

23.1 Under what arrangements do you live here? 1 = own house 2 = renting 3 = other (specify) \_\_\_\_\_

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

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

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

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

23.5 **Floor** 1 = cement 2 = earth 3 = Ceramic Tiles 4= wooden 5=other (specify.....)

21.6 How many rooms are in your home?

<b>RESOWN</b>	<input type="text"/>
<b>RESYEAR</b>	<input type="text"/>
<b>ROOF</b>	<input type="text"/>
<b>WALLS</b>	<input type="text"/>
<b>FLOOR</b>	<input type="text"/>
<b>ROOMS</b>	<input type="text"/>

**24. HOUSEHOLD ASSETS**

Do you as a household have any of the following assets? 1=yes 2=no

Electric cooker

Gas cooker

Radio

Television

Mobile phone

Regular/Land phone

Refrigerator

Car

Bicycle

<b>ELECOK</b>	<input type="text"/>
<b>GASCOK</b>	<input type="text"/>
<b>RADIO</b>	<input type="text"/>
<b>TV</b>	<input type="text"/>
<b>MPHONE</b>	<input type="text"/>
<b>PHONE</b>	<input type="text"/>
<b>REFRIG</b>	<input type="text"/>
<b>CAR</b>	<input type="text"/>
<b>BICYCL</b>	<input type="text"/>

**25.**

<b>Enumerator, please rate the quality of this interview from scale of 1(best) to 5(worst). Give reasons in case of poor rating.</b>	<input type="text"/>
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