

Egerton University - Tegemeo Institute/MSU
Tegemeo Agricultural Policy Research Analysis (TAPRA)
Rural Household Indicator Survey 2007

“We are part of a team at Egerton University, who are studying aspects to do with agricultural development in the country. Your participation in answering these questions is very much appreciated. Your responses will be **COMPLETELY CONFIDENTIAL**. Your responses will be added to those of 1,400 other households and analysed together. If you indicate your voluntary consent by participating in this interview, may we begin? If you have any questions or comments about this survey, you may contact the Director, Tegemeo Institute, Egerton University, P.O. Box 20498 (00200), Nairobi; **Tel: 0720 895454**; email: egerton@tegemeo.org”

Household No. **HHID** _____
 Date: (ddmmyy) **SURDATE** _____
 HH Name _____
 Respondent(s) _____ **MEM** _____

(Enumerator Instruction: Record the member number of the Respondent from the Demography table on pages 19 through 21 after the survey is completed.)

Identifying Variables:

Supervisor: _____ **SNUM** _____
 Enumerator: _____ **ENUM** _____
 Province: _____ **PROV** _____
 District: _____ **DIST** _____
 Division: _____ **DIV** _____
 Location: _____ **LOC** _____
 Sub-Location: _____ **SUBLOC** _____
 Village: _____ **VIL** _____

GPS coordinates : **HH1** : _____ (1=North 2=South) (_____ ° **DEG1** _____ `` **MIN1** _____ **SEC1**)
HH2 : East (_____ ° **DEG2** _____ `` **MIN2** _____ **SEC2**)
HH3 : Altitude MT. a.s.l **MASL** (_____)

IF THE HOUSEHOLD IS NOT ABLE TO PARTICIPATE IN THE SURVEY, WHY NOT? **INTVIEW** _____

(1 = head and spouse died 2=head and spouse separated 3 = refused 4 = household members cannot be found
 5 =family commitments (burial, wedding, etc) 6= moved from the area 7 =working outside the area 8= other, specify _____)

CROP INVENTORY AND CROP CODES: Did you plant this crop either in the main or short harvest? (Yes =1) (Leave blank for No)

Code	Crop	M	S	Code	Crop	M	S	Code	Crop	M	S	Code	Crop	M	S
119	apple			71	eggplant			80	nappier /elephant grass			8	sorghum		
44	arrowroots			20	flowers			165	nathi (goose berry)			39	sorghum (drought resistant)		
201	artemesia			25	french beans			147	njahi (dolichos)			160	soyabeans		
97	avocado							37	njugu mawe(bambara bean)			66	spinach		
50	avocado (grafted)			138	garlic onion							124	squash		
18	babycorn			62	gourds			83	oats			190	stefali		
10	bananas			179	grapes			77	okra			206	stinging nettle		
202	bananas, tc			34	green grams			96	onions			177	strawberries		
60	barley			167	green peas			61	orange (grafted)			187	sugar beets		
7	beans			33	groundnuts			75	oranges			15	sugarcane		
221	beetroot			72	guava			22	other fodder leaves			170	sugarcane, chewing		
129	brinjals /biriganya							184	other leaves (bean,njahi)			64	sukuma wiki		
169	bulrush millet			139	indigenous grains							30	sunflower		
				140	indig veg/amaranthus			59	passion (grafted)			68	sweet melon		
93	cabbage			27	Irish potatoes			137	passion fruit			43	sweet potatoes		
200	camomile			51	irish potatoes, tc			46	passion fruits, tc			49	sweet potatoes, tc		
67	capsicum /sweet peppers			210	karela			85	pasture (not eleph/napier)						
94	carrots							58	pawpaw(grafted)			3	tamarind		
24	cashew nuts			84	lemon (grafted)			70	pawpaws			189	tangawizi		
28	cassava			207	lemon grass			166	peaches			136	tangerine		
48	cassava, tc			74	lemons			134	pears			12	tea		
146	castor oil			173	lettuce			65	pepper, bell			29	tobacco		
175	cauliflower			32	lucerne			141	pigeon peas			63	tomatoes		
26	chickpeas			118	lugard			133	pineapples			162	tree tomato		
131	chillie peppers							121	plums			53	trees (multi purpose), tc		
42	citrus, tc			203	macadamia nuts (grafted)			178	pomegranate			161	Turnips		
23	coconuts			135	macadamia nuts			35	poyo			5	trees, commercial		
194	coconuts, copra			47	macadamia, tc			76	pumpkin						
193	coconuts, green			1	maize, dry			172	pumpkin leaves			205	vanilla		
6	coffee, cherries			2	maize, green			17	pyrethrum						
176	coffee, churned			4	maize (fodder)							69	watermelon		
11	coffee, mbuni			73	mangoes			211	ravaya			13	wheat		
168	corn flower			204	mangoes (grafted)			31	rice			41	wheat (drought resistant)		
14	cotton			45	mangoes, tc			86	rosemary			163	white suppoise		
21	cowpeas			120	matomoko			171	runner beans			149	wild berries		
19	cowpeas leaves			9	millet										
125	cucumber			148	miraa			36	saina			95	yellow passion fruit(mero)		
				197	mkunga			40	simsim (drought resistant)			81	yams		
192	dates			196	mkuyu			78	simsim						
183	dhania			220	mulberry			16	sisal			174	zambarao		
182	dhania grains			222	medicinal plants			90	snow peas						
164	dry peas														

CREDIT**A. CASH CREDIT**

Q3a. Did any household member **try to get any cash credit during the 2006/07 crop year?** (1=Yes) (2=No go to Q3g)

CASHCRD _____

Q3b. (If Yes) Did you receive the **cash credit that you tried to obtain?** (1= Yes) (2=No go to Q3f)

CASHRD _____

Q3c. (If yes) How **much cash credit** did you receive (ksh)

CASH _____

Q3d. For the **two** main sources of cash credit, what the **source** and the **amount** that you received from each?

CSRC1 ____ **CAMT1** _____

CSRC2 ____ **CAMT2** _____

(1= neighbor 2=farmer group 3=SACCO 4=commercial bank, specify _____ 5=relative/friend
6=NGO/MFI, specify _____ 7=AFC 8= group (ROSCA) 9=Village bank 10=Shopkeeper 11=other, specify _____)

Q3e. How was the **cash credit** used (1=Agricultural purposes 2=Non agricultural purposes 3=Both)

MAINPUR _____

Q3f. If you tried to get **cash credit but did not get** what was the reason for not getting?
(1=no collateral 2=Had outstanding loan 3= Don't Know 4= Other, specify_____)

NCASH _____

B. IN KIND CREDIT

Q3g. Did any household member **try to get any credit in kind** during the 2006/07 crop year? (1=Yes) (2=No go to Q3k)

INKDCRD _____

Q3h. (If Yes) Did you receive the **credit in kind that you tried to obtain?** (1= Yes) (2=No go to Q3j)

CRED _____

Q3i. In what form was the credit in kind received? (1= Agricultural inputs 2=Household consumption 3=Both)

FCREDIT _____

Q3j. If you tried to get credit in kind **but did not get** what was the reason for not getting
(1=Had outstanding loan 2= Don't Know 3= Other, specify_____)

NCRED _____

FOOD SECURITY

- Q6a.** How many 90- kg bags of **maize** did this household have **in stock** from **own production** just **before harvesting** the **2006/07 MAIN** harvest maize crop (bags) **BAGSSTK** _____
- Q6b.** How many 90- kg bags of **maize** do you have in **stock** from **own production** now (bags) **STKNOW** _____
- Q6c.** **IF Q 6b = 0** (no bags), in which **month** and **year** did the HH run out of maize stocks from **own production**? (month) **MTHFIN** _____
(1=Jan, 2=Feb, 3=Mar, 4=Apr, 5=May, 6=Jun, 7=July, 8=Aug, 9=Sept, 10=Oct, 11=Nov, 12=Dec) (year) **YRFIN** _____
- Q6d.** In the **last 12 months**, for how many months has the household relied **entirely on Staples from Own production**? **OWNPRD** _____
- Q6e.** In the **last 12 months**, for how many months has the household relied **entirely on Purchased main staples** ? **PURCH** _____
- Q6f.** In the **last 12 months**, for how many months has the household relied **entirely on Relief food**? **RELIEF** _____
- Q6g.** What **coping mechanism** do you (your household) revert to **during famine or food scarcity**? **COPING1** _____ **COPING2** _____ **COPING3** _____
(0=never 1=food relief 2=rely on relatives/friends 3=skip some meals in a day 4=skip meals for entire day 5=take reduced meals 6=eat meals that are less preferred 7=consume wild food 8=consume immature crops 9=consume taboo/toxic foods 10=consume seed stocks 11=send household members to eat elsewhere 12=beg or engage in degrading jobs 13=withdraw children from school 14=allow children to eat more than adults 15=abandonment of children, elderly and the sickly 16=purchase food on credit 17=migration out of the area 18=sell livestock 19=dispose assets 20=other, specify _____)

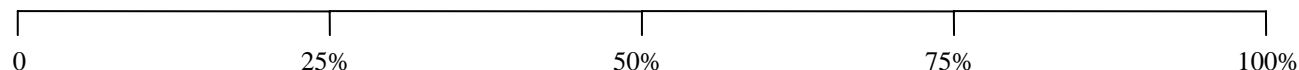
MAIZE MARKET ACCESS

- Q7.1** Now, as **compared to 6-7 years ago**, is it more convenient or less convenient a) to sell your maize **EZyseLL** _____
b) to buy maize **EZBUY** _____
1 = more convenient now 2 = more convenient 6-7 years ago 3 = the same 4 = not sure
- Q7.2** Has there been a change in the **number of private maize buyers/brokers** in this area to choose from, *compared to 6-7 years ago*? **BUYERS** _____
1 = more private traders now 2 = fewer private traders now 3 = the same 4 = not sure

TIME ALLOCATION AND DECISION MAKING

Enumerator Instructions: Introduce this section as follows: “As a farmer you may be involved in several activities such as farming, livestock, business activities and salaried activities.”

Q7.3 What Proportion of **time** did the **Household Head** allocate to **farming activities(crop/livestock)** in the last one year? **TIMEHD** _____



Q7.4 What Proportion of **time** did the **spouse** allocate to **farming activities (crop/livestock)** in the last one year? **TIMESP** _____
(no spouse use code -9)



Q7.5 Who **makes decisions** on how to use farm inputs? **DECISION** _____
(1= head 2=spouse 3=child 4=both head and spouse 5=other, specify__)

Q7.6. In which year did this household **first use improved** maize seed (hybrid/OPV)? (Enter 0 if household never used hybrid seed) **YEARHMZ** _____

Q7.7 In which year did this HH **first use inorganic/chemical fertilizer on crops?** (Enter 0 if HH never used inorganic fertilizer) **YEARFERT** _____

SOIL, WATER AND ENVIRONMENTAL CONSERVATION

Q7.8a. What Soil, Water and Environmental conservation methods are you **practising?** **SWEPRA1** _____ **SWEPRA2** _____ **SWEPRA3** _____

(0=none 1=terracing 2=mulching/cover crops 3=minimum tillage 4=wind breaks 5=contour farming 6=crop rotation 7=waterpans
8=grass strips 9=afforestation 10=re-afforestation 11=agro forestry 12=gabions 13=cut-off drains 14=fallow 15=other, specify_____)

Q7.8b. Are you practising **zero-tillage?** (1=Yes) (2=No) **ZEROTIL** _____

Q7.8c. Are you **composting manure?** (1=Yes) (2=No go to Q7.8e.) **COMPOST** _____

Q7.8d. If **Yes**, what year did you start **composting manure?** **YRCOMP** _____

Q7.8e. How do you dispose of the **maize stover** after harvest? **MZSTOVER** _____

(1= preserve as fodder 2= feed to cattle immediately 3= burn 4= sell 5= exchange for oxen service
6= make compost 7=leave to rot in the field 8=other, specify_____)

PRICES

We would like to know the prices of sifted maize flour and other fertilizer in this area.

(Enumerator Instructions: Ask the price of the item and record the price and unit of measure for the price. If the unit of measure for the fertilizer questions is a **50 kg bag**, you do not need to ask section b of questions 8.1 through 26. If the respondent does not know the price of a “50 kg bag”, record -9, do not know. These questions refer to a “**50 kg bag**” and NOT the “quantity” of 50 kgs. If the respondent does not know of price of an item in any unit record -9.)

		<u>Price</u>	<u>Unit</u>
Q 8.1a. What is the price of DAP in this area?	(record the price and unit of measure)	(Ksh): DAP _____	UDAP _____
(Instruction: Do not ask this question if the unit given for DAP is a 50 kg bag.)			
Q8.1b. What is the price of a 50 kg bag of DAP in this area?	(-9 = Do not know)	(Ksh): PDAP _____	
Q 8.2a. What is the price of urea in this area?	(record the price and unit of measure)	(Ksh): UREA _____	UUREA _____
(Instruction: Do not ask this question if the unit given for urea is a 50 kg bag.)			
Q8.2b. What is the price of a 50 kg bag of urea in this area?	(-9 = Do not know)	(Ksh): PUREA _____	
Q 8.3a. What is the price of NPK in this area?	(record the price and unit of measure)	(Ksh): NPK _____	UNPK _____
(Instruction: Do not ask this question if the unit given for NPK is a 50 kg bag.)			
Q 8.3b. What is the price of a 50 kg bag of NPK in this area?	(-9 = Do not know)	(Ksh): PNPK _____	
Q 8.4a. What is the price of CAN in this area?	(record the price and unit of measure)	(Ksh): CAN _____	UCAN _____
(Instruction: Do not ask this question if the unit given for CAN is a 50 kg bag.)			
Q 8.4b. What is the price of a 50 kg bag of CAN in this area?	(-9 = Do not know)	(Ksh): PCAN _____	
Q 8.5a. What is the price of sifted maize flour in this area?	(record the price and unit of measure)	(Ksh): SIFTED _____	USIFTED _____
(Instruction: Do not ask this question if the unit given for sifted maize flour is 2 kg packet.)			
Q 8.5b. What is the price of a 2 kg packet of sifted maize flour in this area?	(-9 = Do not know)	(Ksh): PSIFTED _____	
Q8.6 What is Posho mill charge for 1 gorogoro (2.25 kg) of maize into straight posho meal ? (Ksh per 2 kg tin):		POSHOR _____	

Unit Codes:

2=kgs	11= 50 kg bag	7 = 25 kg bag	20 = 5 kg bag
9=gorogoro	18 = 2 kg packet	8 = 10 kg bag	19 = 1 kg packet

LIVESTOCK**Q9.0** Did you have any **livestock** in the period July 2006 to June 2007? (1=Yes) (2=No go to Q10.0)**LSTOCK** _____**Q9.1** If YES, Please tell us about your **livestock** activities over the period **July 2006 to June 2007**.*livestock07sav* (key variables: *hhid, livecode*)

Livestock code		Number owned (include Livestock kept by others) June 07	Current Value Per Unit (Ksh)	Number Owned July 2006	Number Purchased	Unit Price at Purchase (Ksh)	Number Sold	Average Unit Price When Sold (Ksh)
livecode		njun07	Curval	numown	purch	uprice	sold	avgpric
Grade cow	1							
Grade bull	2							
Grade calves	3							
Cross cow	4							
Cross bull	5							
Cross calves	6							
Local cow	7							
Local bull	8							
Local calves	9							
Sheep	10							
Goat(local)	11							
Goat Exotic (dairy)	12							
Camels	13							
Pigs	14							
Chicken- indigenou	15							
Chicken-improved	16							
Ducks /Geese	17							
Turkeys	18							
Rabbits	19							
Doves /Quail	20							
Crocodiles	21							
Ostriches	22							
Butterflies	23							
Other, specify	24							

LIVESTOCK OUTPUT

Q10.0 On average, how much milk, does this household **consume per day**, whether from **own production, purchases or receipts?**

MLKCON _____

Q10.1 Did this household produce any cow milk during July 06 to June 07? (1=Yes) (2=No go to Q10.2)

MLKPRD _____

cowmilk07.sav Key Variables: hhid milk

		Avg # of animals producing milk	Total Quantity produced and sold in each month (in litres) Between July06 and June07												Buyer type of largest sale 1=Cooperative societies 2=K.C.C. 3=Private processors /traders 4=Hawker /informal trader 5=Institutions/Hotels 6=Consumer /Neighbor /Farmer 7=Other , specify_____	What was the most common price you received? Ksh/litre	Km to point of sale for largest buyer	Reason for selling to this buyer 1=better prices 2=only one available 3=nearest 4= offer credit 5=other, specify_____
Product	milk	cow	Jul06	Aug06	Sep06	Oct06	Nov06	Dec06	Jan07	Feb07	Mar07	Apr07	May07	June07	buyer	price	km	whybuyr
Cow milk Produced	1																	
Fresh cow milk Sold	2																	
Sour cow milk sold	3																	

Q10.2 Other livestock products produced during the period July 2006 to June 2007

liveprod07.sav (Key variables: hhid, liveprod)

Livestock Product	Average number of animals producing over the year	Number of months of production per year	Average Quantity production/month	Unit of Production. 2=Kgs 3=litres 22=Trays 5=Numbers 1=90kg bag 14=wheelbarrow 15=cart 16=canter 17=pickup	Number of months of sales per year	Average quantity sold per month	Price received per Unit (Kshs) on the largest sale	Buyer type of largest sale 1=Cooperative societies 2=K.C.C. 3=Private processors /traders 4=Hawker /informal trader 5=Institutions/Hotels 6=Consumer /Neighbor /Farmer 7=Honey refinery 8=Other, specify_____
liveprod	animprod	mnthprod	avgprod	unit	Mnthsold	qtysold	price	buyer
Goat milk	2							
Camel milk	3							
Honey	4							
Eggs	5							
Hides and skin	6							
Fish (if have fish pond)	7							
Wool	8							
Other, specify_____	9							

Q11.0 Did this household use **Artificial Insemination (A.I)** on cattle from July 2006-June 2007? (1=Yes) (2=No go to Q11.2) **AI** _____

Q11.1 If Yes, What was the **source** of the A.I? (1=Govt 2=Private 3=NGO 4=CBO 5=cooperative 6=Other, specify_____) **SORCEAI** _____

Q11.2. In total over the period July 2006 to June 2007, how much money did you spend on **the following services** for your **livestock**?
livescost07.sav (Key variables: hhid, animsp)

Animal Species	Purchased feeds	Vet serv+Vaccinations	Tick control	Deworming	AI service cost	Natural Insemination	Farm Structures
animsp	animfeed	vetserv	tickcont	deworm	aiserv	bullserv	frmstr
1. Cattle							
2. Dairy Goats							
3. Goats/sheep(local)							
4. Improved Chicken							

Q11.3 In total, how much did you spend on **salaried** farm worker(s) for **livestock** activities from **July 2006 to June2007**? **SALLSTK** _____
 (Enumerator Instruction: remember to consider only the proportion of time spent on livestock activities on apportioning salary)

Q11.4 Did you receive any of **livestock** or **livestock inputs** on **credit**? (1=Yes) (2=No go to Q12.1) **LIVECRD** _____

Q11.5 If Yes, give details in the table below:

livestinput07.sav (Key variables: hhid, input)

Input /livestock used	Form of credit	Source of credit	Value of Credit	Mode of repayment
input	mdpurch	source	cvalue	modpay
1=Animal feed 2=Vet service or vaccines 3=Acaricides 4=Dewormers 5=AI service 6=Bull service 7=dairy cow 8=dairy goat 9=Other livestock 10= Other, specify_____	1= cash 2=In kind	1=small trader 2=Stockist 3=large company 4=NGO /CBO 5=farmer /neighbour 6=Farmer group 7=AFC 8=Breeders 9=Banks 10=SACCOs 11=MFI 12= Self help groups 13=co-operative 14=other, specify_____		1=crop revenue 2=livestock revenue 3=off farm income 4=both livestock and crop revenue 5=Other, specify_____

Q12.1 Have you ever practiced **on-farm feed conservation**? (1=Yes) (2=No go to Q12.3) **CONSERV** _____

Q12.2 If yes, which **methods** did you use? (specify up to 2 methods)
 0=None 1=Hay 2=Silage 3=Crop Residuals 4=Other, specify_____
FEEDPRS1 _____
FEEDPRS2 _____

Q12.3 Do you practice **Zero grazing** in your farm? (1=Yes) (2=No go to Q13a) **ZGRAZE** _____

Q12.4 If Yes, which **year** did you start practising **zero grazing**? **YRGRAZ** _____

EXTENSION and GROUP PARTICIPATION

Q13a. Did you **actively seek advice** on crop or livestock between **July06 to June07**? (1=Yes) (2=No go to Q13c) **SEEKADV** _____

Q13b. If Yes, who did you **approach** for the advice? **ADVISOR1** _____ **ADVISOR2** _____
 (1=public extension agent 2=private extension agent 3=neighbour/farmer 4= ASK Shows 5=traders/input dealers 6=radio /television 7=family/friend 8=newspaper/magazines
 9=farmer organizations/cooperatives 10=field days/demonstrations 11= NGO agent 12=research organizations 13= other, specify_____)

Q13c. If No, why didn't you seek advice? (**Give up to 2 reasons**) **SEEKNOT1** _____ **SEEKNOT2** _____
 (1=long distance 2=Expensive 3=time consuming 4=extension agents not available 5=other , specify _____)

Q13d. If **extension services** in general were to be availed at a fee, would you be **willing to pay**? (1=Yes go to Q13f) (2=No) **AVAILFEE** _____

Q13e. If **not willing to pay** for extension services, why? **WHYFEE** _____
 (1=can't afford 2= it is a government role 3=free services available 4=bad past experience 5=don't need extension service 6=other, specify_____)

Q13f. How much would you be willing to compensate an extension worker who comes to train you for **three hours** on a **new technology** that you **urgently need** for the following:
extension07.sav (Key variables: hhid, serv)

	Service	Individual	Group of 20 Members	
	serv	indiv	grp20	
1	Dairy production			14= Above 320, specify the amount _____
2	Maize production (fertilizer and seed use,)			13 = Ksh 320
3	Horticultural production			12 = Ksh 280
4	Other (specify)			11 = Ksh 240
				10 = Ksh 200
				9 = Ksh 180
				8 = Ksh 160
				7 = Ksh 140
				6 = Ksh 120
				5 = Ksh 100 ← Start at this level (go up and down depending on response)
				4 = Ksh 80
				3 = Ksk 60
				2 = Ksh 40
				1 = Ksh 20
				0= Cannot pay for this specific service

Q13g. Is anyone in this household a **member** of any **co-operative or group or out-grower group**? (1=Yes) (2=No go to Q14a) **GRPMEM** _____

Q13h. If Q12a=1 (Yes), indicate **which cooperatives/groups** the household belongs to? (Specify up to 3) **GRPMEM1** _____
GRPMEM2 _____
GRPMEM3 _____
 (1=producer cooperatives 2=multi-purpose cooperative 3=savings & credit cooperatives
 4=informal/self help groups 5=out-grower company 6=others, specify_____)

Q13i. What **services** do you get from the group or cooperative? (Specify up to 3) **SERV1** _____
SERV2 _____
SERV3 _____
 (0=none 1=Training 2=Marketing 3=Input acquisition 4= Financial services 5=A.I services)

Q15 ADDITIONAL ADULTS AND CHILDREN NOW RESIDENT BUT NOT LISTED IN 2004

Filename: demogA07.sav Key variables: hhid, mem

Reference Period: July 2006 to June 2007

ID	Name	In which year was this person born?	What is the sex of? 1=male 2=female	Relation-ship to current head <i>See codes below</i>	Marital Status <i>See codes below</i>	Is Currently attending school? 1 = Yes 2 = No	What is the highest level of education. completed? <i>See codes below</i>	What year did come to reside here?	How many months in the period July 2006 to June 2007 has this person been living at home?	Was a member of this hh in 2004? 1 = Yes-> AD14 2 = No	How did this new member join the household ? <i>See codes below</i>	Before coming to reside in this hh, was ... engaged in 1 = yes, 2 = no, -9=don't know			After coming to reside in this household		
												Formal or informal business activity	Formal sector salary employment	Farming some-where else	Did this person receive cash from a formal or informal business activity between July 2006 & June 2007? 1=Yes 2=No	Did this person receive cash or payment in kind from salaried employment, wage activities, remittances, or pensions between July 2006 & June 2007? 1=Yes 2=No	Has this person been chronically ill for any 3 month period in the last 12 months and unable to perform hh duties? 1= Yes 2= No
mem	name	AD01	AD02	AD03	AD04	AD05	AD06	AD07	AD08	AD09	AD10	AD11	AD12	AD13	AD14	AD15	AD16
71																	
72																	

- | | | | |
|-----------------------------|-----------------------|-------------------------|---|
| Rship to head (AD03) | Marital Status | Education levels | New HH member (AD10) |
| 1= head | 1 = single | -9=None | 1=married into the family |
| 2= spouse | 2 = | 6=std 6 | 2=returned to hh to help with hh activities |
| 3= own child | 3 = | 7=std 7 | 3=returned to the hh because he/she is sick |
| 4= step child | 4 = | 8=std 8 | 4=hh member missed during 2004 survey |
| 5= parent | 5 = | 9= form1 | 5=lost parents (orphaned) |
| 6= brother/sister | 6 = | 10 = form 2 | 6=fostered |
| 7= nephew/niece | 7 = other, | 11=form 3 | 8=worker |
| | | 12=form 4 | 9=attend school |
| | | 13=form 5 | 10=separated/divorced |
| | | 14=form 6 | 11=death of spouse |
| | | 15= college 1 | 12=ran away from home |
| | | 16= college 2 | 13=lost job |
| | | 17= college 3 | 14=inherited household |
| | | 18= college 4 | 15=live with relatives |
| | | 19=univ 1 | 16=born |
| | | | 20=univ 2 |
| | | | 21=univ 3 |
| | | | 22=univ 4 |
| | | | 23=univ 5 & above |
| | | | 7=specify, other_____ |

MORTALITY: Reference Period is Since 2004

For some years, we have been following the progress of a number of households across the country including yourselves. Since we would like to monitor changes in welfare in different parts of the country, we would like to understand all the changes that happened in every household in our sample since the last time we interviewed you in 2004. We appreciate your responses.

16.0 Since 2004, has there been any household member who has died? (1=Yes) (2=No go to Q17)

DEATH _____

16.1 If 16.0 =Yes, could you tell us about them starting from the most recent.

mortality07.sav (Key variables: *pdmem, mem*)

Reference Period: Since June 2004

Person ID	If this person is listed in the DEMOG table, indicate his or her id number (MEM).	Write the Name	Sex 1=Male 2=Female	Relationship to head <i>See codes below</i>	In which year was this person born?	In which year did this person die?	What was the cause of death?	What was the highest level of education completed?
pdmem	mem	name	PD01	PD02	PD03	PD04	PD05	PD06
1								
2								
3								
4								
5								
6								

Cause of death (PD05)

1 = Pneumonia	17 = Snake bites
2 = Malaria	18 = Old age
3 = TB	19 = Other sudden death within 4 days
4 = Chronic diarrhoea	20 = Don't know
5 = Meningitis	22=Cancer
6 = Anaemia	23=Asthma
7 = Fits	24=Diabetes
8 = Mental illness	25=Yellow fever/measles
9 = Heart disease	26=Birth-miscarriage
10 = Chest pains	27=Kwashiorkor
11 = Stomach disease	28=Miscellaneous illness
12 = Stroke	29=Alcohol
13 = HIV/AIDS	30=Typhoid
14 = Accident	31=Cholera
15 = Suicide	21 = Other, specify _____
16 = Murdered	

Relationship to head (PD02)

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

Education levels

-9=None	14=form 6
0=pre school	15= college 1
1=std 1	16= college 2
2=std 2	17= college 3
3=std 3	18= college 4
4=std 4	19=univ 1
5=std 5	20=univ 2
6=std 6	21=univ 3
7=std 7	22=univ 4
8=std 8	23=univ 5 & above
9= form1	
10 = form 2	
11=form 3	
12=form 4	
13=form 5	

Q18 SALARIED WAGE EMPLOYMENT/PERMANENT EMPLOYMENT ACTIVITIES

We would now like to talk about all *salaried employment* that anyone in this household engaged in during the past 12 months from **July 2006 to June 2007** including **pensions and remittances**. **For remittances remember to separate into local and from abroad, depending on source.** Include only income remitted back to household.

salwg07.sav (Key variables: *hhid mem activity*)

Person name Please list the names of all persons from the demography table who indicated they had engaged in <i>salaried employment activities</i> , then enter their corresponding person code	Person code	From the list below, please list all the <i>salaried employment activities</i> in which this person was engaged at any time during the past 12 months	What is this person's current monthly wage? Kshs	Did this person earn this same monthly wage during all of the past 12 months? 1=Yes (go to next activity) 2=No	If the person did <i>not</i> earn the same wage during all 12 months, please indicate the wage earned for each month individually (Kshs)											
					<i>Skip this section if person received the same monthly wage during the whole year</i>											
Name	mem	activity	mnwage	samewage	7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
					Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June

Employment Codes:

- | | | | | |
|------------------------|----------------------|---------------------|-------------------------------|-------------------------------|
| 18 Accountant | 25 Construction | 7 House help | 64 Petrol seller | 29 Subordinate civil services |
| 5 Administrator | 51 Cook/caterer | 8 Industrial | 53 Plumber/battery | 32 Surveyor |
| 38 Banker/receptionist | 49 Craftsman/artisan | 33 Lab attendant | 11 Policeman/woman | 41 Tailor |
| 50 Butcher | 45 Driver | 58 Lawyer | 59 Postmaster | 14 Tea picker |
| 44 Cane cutter | 4 Doctor | 21 Lecturer/tutor | 12 Remittance (local) | 15 Teacher |
| 1 Caretaker/groundsman | 40 Electrician | 30 Lumber | 65 Remittance (abroad) | 54 Technician |
| 55 Carpenter/mason | 36 Engineer | 19 Manager | 63 Research | 26 Veterinary doctor |
| 34 Chief | 56 Equipment | 39 Mechanic | 22 Road constructor | 16 Waiter/cook |
| 2 Civil leader | 46 Extension agent | 28 Messenger | 13 Sales person | 17 Watchman |
| 20 Cleaner | 52 Fishing | 60 Miller | 31 Secretary | 43 Welding |
| 23 Clerk | 61 Forester | 9 Nurse | 24 Shop keeper/attendant | 42 Other, specify_____ |
| 3 Committee member | 6 General farm | 27 Pastor/religious | 57 Soldier | |
| 35 Conductor | 47 Hair dresser | 10 Pension | 62 Sports/coach | |

19a. What was the main source of the remittances?

(1=Son/Daughter 2=Other relative 3=friend 4=Well wisher 5=Other, specify_____)

REMIT _____

19b. If the household received remittance, what was the main mode of delivery?

(1= Hand delivery 2=Bus 3=Western union 4=Posta pay 5=Money gram 6=M-pesa 7=Sokotel 8=Telegraphic money Order 9= Postal Order 10=Courier 11=Other, specify_____)

MREMIT _____

ACCESS TO RURAL SAVINGS/BANK ACCOUNTS

Q20a. Does any member of the household have a savings/bank account (1=Yes) (2=No go to 21.1)

ACCOUNT _____

Q20b. Enumerator to probe for all savings accounts including cooperatives, ROSCAs e.t.c for all hh members)

savings07.sav (Key variables: *hhid, mem*)

Person with the account	Member number (from the demog file)	Where is the savings account 1=Post Bank 2=SACCO 3=Commercial Bank, specify_____ 4=MFI, specify_____ 5=Groups (ROSCAs) 6=Village bank 7= Other, specify_____	Km to Banking point	Which year did you open the account
	Mem	Saves	kmbank	acopen
Head				
Spouse				
Other1				
Other2				
Other3				

LAND OWNERSHIP AND INHERITANCE

Q21.1 In what year was this household formed (when you received land to farm on your own): write the Year (e.g., 1985)?

YRFORM _____

Q21.2 In what year did your father's family (HH heads father) settle in this area? (Use 0 if father never settled there)

YRSET _____

Q21.3 Has land been forcefully taken away from this Household in the last 10 years (1=Yes) (2=No)

LDTAKE _____

Ask about the original family of the household head and spouse (if the respondent does not know the answer, use -9)

inheritance07.sav (Key variables *hhid, mem*)

Person	Person ID**	How much land in acres did the parents of this person have before the land was inherited by any of this person's siblings	How much land in acres did this person inherit from his/her parents?	How many wives did his/her father have?	Number of all children of his/her father		Birth order among all children of his/her father		Where was this person born? 1=Within sublocation 2=Within district but outside sublocation 3=Outside of district	If pborn=2 or 3, in which year, did this person start living in this sublocation?	(For enumerator) MEM number for respondent to these questions
					Male	Female	Among all children of his/her father	Among all children of same sex			
pmem	mem	pacres	acres	wife	mchild	fchild	forder	sorder	pborn	slive	resp
Head=1											
Spouse=2											

**Even if the spouse was deceased, ask the respondent about the spouse. If the deceased spouse does not have ID on the Demography section, fill -99 in the spouse's ID. If the head has not been married yet, fill 0 in the spouse's ID.

Q22 PURCHASES FOR HOME CONSUMPTION between **July 2006 and June 2007**

(Enumerator Instruction: Relate the periods to either food deficit or surplus periods. Note if a specific product is gift/relief if not maize grain.)

purch07.sav (Key Variables: hhid purch)

Purchased Products	purch	About how much did you buy over the past 4 months – March 2007 - June 2007?		Price per Unit	About how much did you buy between November 2006 and February 2007?		Price per Unit	About how much did you buy between July 2006 and October 2006?		Price per Unit	Complete only if the respondent cannot answer by 4 month periods	Average Price Per unit over year	
		Qty1	Unit1	Price1	Qty2	Unit2	Price2	Qty3	Unit3	Price3	About how much did you buy over these 12 months?		TotQty
Cash or barter - maize grain	1												
gift/relief-maize grain	2												
Packaged sifted maize meal	3												
Posho meal	4												
Wheat flour	5												
Rice	6												

Unit Codes:

1= 90 kg bag
 11= 50 kg bag
 2=kg bag

18 = 2 kg packet
 7 = 25 kg bag

9=gorogoro
 12=debe

19 = 1 kg packet
 20 = 5 kg bag
 8 = 10 kg bag

Q23 EXPENDITURES ON FRUITS AND VEGETABLES OVER THE PAST 30 DAYS

consumpt07.sav (Key variables: hhid, item)

Food Item	Did the HH purchase this item over the PAST 30 DAYS? 1 = yes 2 = no—>go to JANPUR	If your household purchased this item during the PAST 30 DAYS					Thinking back to January 2007 , what was the approximate quantity purchased of this item (same unit code) (Enumerator Instructions: If the household did not purchase this item in the past 30 days, record the unit of measure in UNITPUR.)	What was the total expenditure on this item in January 2007 ? (KShs)
		Where did HH purchase most of this product? <i>See purchase location codes bottom next page</i>	TOTAL Quantity purchased by hh over the past 30 days? (see unit codes below)		ANSWER ONLY ONE			
Item	purch	locpur	qntpur	unitpur	price	totexp	janpur	jtotexp
Vegetables:								
Irish Potatoes	26							
Tomatoes	28							
Cabbage	29							
Sukuma wiki	30							
Carrots	31							
Onions	32							
Fruits:								
Bananas (ripe)	34							
Cooking Bananas	35							
Avocado	36							
Oranges	37							
Pawpaws	38							
Mangoes	39							

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=Neighbour

9=Restaurant
 10=Institutions
 11=Other, specify_____

Unit Codes :

1=90 kg bag
 2=kgs
 4=crates
 7=25 kg bag
 5=numbers
 6=bunches(bananas)
 9=gorogoro
 11=50 kg bag
 12=debe

Q24 HOUSEHOLD ASSETS (PROMPT for each item as listed below)

At present, how much/many of the following does this household own that are usable/repairable?

(Enumerator Instructions: For value per unit, ask for the current purchase price of the asset as is or the current market value of the asset as it is.)

asset07.sav (Key Variables: *hhid, asset*)

Agricultural asset		Quantity	Value per Unit (Ksh)	If Value/Unit not known Ask for Total Value	Agricultural asset		Quantity	Value per Unit (Ksh)	If Value/Unit not known Ask for Total Value
asset		qty	value	Totval	Asset		qty	value	Totval
31	houses (residential)				27	bicycle			
23	stores				34	motorcycle			
43	poultry houses				18	car			
44	piggery houses				19	truck			
29	zero-grazing units				17	tractor			
25	wheel barrow				16	trailer			
39	chaf cutter				13	ploughs for tractor			
28	radio				53	harrow/tiller			
36	TV				58	ridger/weeder			
40	solar panels				55	planter			
41	battery				47	boom sprayer			
46	land line telephone				54	sheller			
71	mobile Phone				26	combine harvester			
42	weighing machine				57	generator			
52	pestle and mortar				37	power saw			
22	water tanks				35	grinder			
30	beehive				38	jaggery unit			
45	water pump				59	cane crusher			
33	borehole				50	donkey			
49	dam				61	oxen			
60	well				14	animal traction plough			
21	irrigation equipment				15	cart			
48	cattle dip				62	other (specify)			
20	spray pump								
51	water trough								

25a. If you do not own a **mobile phone**, do you **have access** to one (that you can use)? (1=Yes) (2=No)

MOBACC _____

25b. If Yes, from **whom do you access the mobile?** (1=neighbour 2= relative 3=Other, specify _____)

ACCMOB _____

INFRASTRUCTURE

(Enumerator Instruction: Distance should be recorded in kilometers (Km))

Q 26. Distances from your homestead

- | | | |
|--|------------------------------------|----------------|
| a) What is the distance from your homestead to the nearest fertilizer seller ? | FERTSKM | _____ |
| b) What is the distance from your homestead to the nearest seller of hybrid maize seed ? | CERTMAIZ | _____ |
| c) What is the distance from your homestead to the nearest NCPB depot? (-9=don't know) | NCPB | _____ |
| d) Did this household sell any maize to NCPB in the period July 2006 to June 2007? (1 =Yes) (2=No) | NCPBBUY | _____ |
| e) If d=No , why not?
(1=no depot nearby 2=no maize to sell 3=inconveniences during delivery 4=delayed payment
5= strict standards 6=lower prices 7=other, specify_____) | NCPBNOT1
NCPMNOT2 | _____
_____ |
| f) What is the distance from your homestead to extension advice ? | DEXTN | _____ |
| g) What is the distance from your homestead to veterinary help ? | DVET | _____ |
| h) What is the distance to the nearest A.I service provider | AIKM | _____ |
| i) What is the distance from your homestead to the nearest market place for farm produce ? | MKTKM | _____ |
| j) What is the distance from your homestead to a motorable road ? | DMTROAD | _____ |
| k) What is the distance from your homestead to a tarmac road ? | DTMROAD | _____ |
| l) Is the nearest tarmac road better, worse or the same as in 2004?
(1=better 2=worse 3=the same 4=not sure) | CTMROAD | _____ |
| m) What is the distance to the nearest pipic water source ? | DPH2O | _____ |
| n) What is the distance to the nearest health centre ? | DHLTCTR | _____ |
| o) What is the distance to the nearest electricity supply ? | DELECT | _____ |
| p) What is the distance from your homestead to the nearest livestock market place ? (-9=don't know) | ANIMKT | _____ |
| q) What is the distance to the nearest public telephone (landline or mobile)? | PHONE | _____ |

WAGE RATES AND LAND RATES

Q27a. What is the **daily wage rate** for **general farm labour** in this area? (Ksh per day): **WAGERATE** _____

Q27b. For this wage, what is the **typical number** of hours **worked per day**? (Hours): **HOURS** _____

Q27c. What is the **land rental rate for one acre of good quality land for one year** in this area? (Ksh per acre): **LRRY** _____

Q27d. What is the **land rental rate for one acre of good quality land for one season** in this area? (Ksh per acre): **LRRS** _____

Q28 Over the **past 3 years** (from 2004), have the following **situations improved, become worse, or stayed about the same**:

		1 = improved 2 = same 3 = worse 4 = don't know
Health care in this area	HLTHCARE	
Education in this area	EDUC	
Local government - Council services in this area	LOCGOV	
Opportunities to buy fertilizer in this area	BUYFERT	
Availability of water in this area	WATER	
Security in this area	SECURITY	
Households' well-being in this area	WELLBE	

OBSERVE AND ASK ABOUT THE FOLLOWING:

- Q29a.** What is the **roofing** material of the **main house**?
 (1=grass /makuti 2=iron sheet 3=tiles 4=other, specify_____)
- Q29b.** What is the **wall** material of the **main house**?
 (1=mud 2=bricks/stones 3=iron sheet 4=wood 5=plastered 6=other, specify_____)
- Q29c.** What is the **floor** material of the **main house**?
 (1= earth 2=cement 3=wood 4=tiles 5=other, specify_____)
- Q29d.** What is the mode of ownership of the **main house** ?
 (1= owned 2= rented 3= owned by relative 4=other, specify_____)
- Q29e.** What type of **toilet** do you use?
 (1= pit latrine 2= bush 3= flush toilet 4= other, specify_____)
- Q29f.** What is the **main** source of water for domestic use during the **wet-season**?
 (1=Pond 2=dam /sanddam 3=lake 4=stream/river 5=unprotected spring 6=protected spring 7=well 8=borehole
 9=piped into compound 10=piped outside compound 11=water tankers 12=roof catchments 13=waterhawkers-cart /bodaboda 14= other, specify_____)
- Q29g.** What is the **main** source of water for domestic use during the **dry-season**?
 (1=Pond 2=dam /sanddam 3=lake 4=stream/river 5=unprotected spring 6=protected spring 7=well 8=borehole
 9=piped into compound 10=piped outside compound 11=water tankers 12=roof catchments 13=waterhawkers-cart /bodaboda 14= other, specify_____)
- Q29h.** What is your **main cooking fuel**?
 (1=electricity 2=paraffin 3=firewood 4=gas 5=charcoal 6=solar power 7=other, specify_____)
- Q29i.** What is your **main type of lighting**?
 (1=electricity 2=pressure lamp 3=tin lamp 4=fuel wood 5=lantern 6=solar power 7=other, specify_____)
- Q30** Is your family **better off, worse off, or about the same** as most households in this area?
 (1=better off 2=worse off 3=about the same)

ROOF _____

WALL _____

FLOOR _____

HSEOWN _____

TOILET _____

MAINWET _____

MAINDRY _____

COOKFUEL _____

LITFUEL _____

COMPARE _____

(Enumerator Instruction: For the following two questions, please ask the name of the underlying tribe and fill the name but codes are only provided for the group level tribes. For example, if the group is Kalenjin, the code is 4, but the underlying tribe could be Kipsigis or Nandi so write either of those in the specify section)

Q31a. From which **tribe** is the Household **head**? *(See code below)* **TRIBEHD** _____ **SPECIFY** _____

Q31b. From which **tribe** is the **spouse** of the household head? *(See code below)* **(Use 0 if no spouse)** **TRIBESP** _____ **SPECIFY** _____

Ethnicity Codes:

1=Embu 2=Luo 3=Luhya 4=Kalenjin 5=Kamba 6=Kikuyu 7= Kisii 8= Maasai 9= Mbeere 10= Meru 11= Teso 12=Mijikenda 13=Taita 15=Taveta 16=Other, specify_____

Thank You!