

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														

LAND USE

- Q1a.** How many **acres in total land holdings** does the household own?
Q1b. How many acres of land is **currently under trees**?
Q1.1a. Did this household have any cropping activity during **MAIN CROP Season 2006/2007?** (1= Yes No=2)
 (Eastern Kenya refers to Jan-March 2007 harvest, Western, Coast Central July/October 2006; R. Valley Nov/Dec 2006)
Q1.1b. How many acres of land **were leased out** in the last **main season 2006/2007?**
Q1.1c. How many acres of land **were rented in** the last **main season 2006/2007?**
Q1.1d. How many acres of land were kept **fallow and/or abandoned** in the last **main season 2006/2007?**
Q1.2 Did this household have any cropping activity during **SHORT CROP Season 2006/2007?** (1=Yes 2=No)
 (Eastern Kenya refers to Jul-Sept 2006 harvest, Western, Central Kenya Nov 2006-Jan 2007 harvests)

TACRES _____
ATREE _____
MAINCROP _____
LEASE _____
RENT _____
FALLOW _____
SHOTCROP _____

MAIN CROP Season 2006/2007 (Eastern Kenya refers to Jan-March 2007 harvest, Western, Coast Central July/October 2006; R. Valley Nov/Dec 2006)

Q1.3 If **Q1.1a =Yes**, go to **table below (Probe for fruits trees, veg, and medicinal or aromatic plants) Otherwise move to the short season crop (page 5).**

crop07.sav Key Variables: *hhid, harvest, field, crop* *harvest=1*

Crop code	Field No.	Acres	Is this field w/ deeded w/o deeded 3=rented 4=owned by parent/relative 5=government/municipal/co-operative	system of watering used 1=Rain fed 2=Irrigated(pipe d) 3=Irrigation (gravity) 4=other specify_	Main land prep type 0=none 1=manual 2=oxen 3=tractor	Hired land prep cost (Ksh)	Planting/ Seed Type 1=Purch /New Hybrid 2=Retained Hybrid 3=OPV 4=local var 5=local seedling/cuttings /splits 6=improved seedling /cuttings /splits 7=hybrid& local var 8=hybrid purc+retained 9=IR maize	Quantity of seed used & cost, if purchased this season			Number of productive fruit trees	1 st Fertilizer used			2 nd Fertilizer used			3 rd Fertilizer used			Harvest -777=not yet harvested		Sales		For the largest Sale				Quantity harvested that spoiled	Use harvest unit codes (for fruits and Veg only)					
								Qty	Unit	Cost per unit		Type	Qty	Unit	Type	Qty	Unit	Type	Qty	Unit	Qty	Unit	Qty	Unit	Month 1= Jan. 12=Dec	Price received per unit	Buyer type	Km to point of sale			spoiled				
crop	field	acres	tenure	system	landprep	lpcost	Sdtype	sqt	sunit	scost	ptrees	ft1	fq1	fu1	ft2	fq2	fu2	ft3	fq3	fu3	hvt	hunit	sold	slunit	month	price	buyer	Km	spoiled	spoiled					

Unit codes: 1=90 kg bag 11=50 kg bag 2=kgs 3=litre 4=crates 5=numbers	6=bunches(bananas) 7=25kg bag 8=10kg Bag 9=gorogoro 10=tonnes 12=debe 13=grams	14=wheelbarrow 15=cart 16=canter 17=pickup 18=2kg packet(seed) 19=bale	Fertilizer codes: 0=None 1=DAP 2=MAP 3=TSP 4=SSP	5=NPK (20:20:0) 6=NPK (17:17:0) 7=NPK (25:5:+5S) 8=CAN (26:0:0) 9=ASN (26:0:0) 10=UREA (46:0:0)	11=SA (21:0:0) 12=Other (specify)____ 13=manure 14=foliarfeeds 15=NPK (23:23:23) 16=NPK (20:10:10) 17=DAP + CAN	18=compost 19=magmax lime 20=DSP 21=NPK(23:23:0) 22=NPK(17:17:17) 23=NPK(18:14:12) 24=NPK(15:15:15)	25=mavuno-basal 26=kero green 27=rock-phosphate 28=NPK 14:14:20 29=mijingu 1100 30=UREA+CAN 31=Mavuno-top dress.	Buyer type codes: 1=small trader 2=large trader 3=KTDA 4=coffee coop 5=NCPB 6=miller	7=other coop 8=NGO 9=consumer 10=Exporter 11=processor 12=supermarket 13=cereal bank 14=pyrethrum board
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Q1.3 (CONTINUED) MAIN CROP Season 2006/2007 (Eastern Kenya refers to Jan-March 2007 harvest, Western, Coast Central July/October 2006; R.Valley Nov/Dec 2006)

crop07.sav Key Variables: hhid, harvest, field, crop harvest=1

Crop code	Field No.	Acres	Is this field 1=owned w/ deed 2=owned w/o deed 3=rented 4=owned by parent/relative 5=government/co-munal/co-operative	system of watering used 1=Rain fed 2=Irrigated(pipe d) 3=Irigation (gravity) 4=other specify	Main land prep type 0=none 1=manual 2=oxen 3=tractor	Hired land prep cost (Ksh)	Planting/ Seed Type 1=Purch /New Hybrid 2=Retained Hybrid 3=OPV 4=local var 5=local seedling/cuttings/splits 6=improved seedling/cuttings/splits 7=hybrid& local var 8=hybrid pure+retained 9=IR maize	Quantity of seed used & cost, if purchased this season			Number of productive fruit trees	1 st Fertilizer used			2 nd Fertilizer used			3 rd Fertilizer used			Harvest -777=not yet harvested		Sales		For the largest Sale				Quantity harvested that spoiled		
								Qty	Unit	Cost per unit		Type	Qty	Unit	Type	Qty	Unit	Type	Qty	Unit	Qty	Unit	Qty	Unit	Qty	Unit	Price received per unit	Buyer type		Km to point of sale	Month 1=Jan. 12=Dec
crop	field	acres	tenure	system	landprep	lpcost	sdtype	sqt	sunit	scost	ptrees	ft1	fq1	fu1	ft2	fq2	fu2	ft3	fq3	fu3	hvt	hunit	month	price	buyer	Km	spoil				

Unit codes: 1=90 kg bag 11=50 kg bag 2=kgs 3=litre 4=crates 5=numbers	6=bunches(bananas) 7=25kg bag 8=10kg Bag 9=gorogoro 10=tonnes 12=debe 13=grams	14=wheelbarrow 15=cart 16=canter 17=pickup 18=2kg packet(seed) 19=bale	Fertilizer codes: 0=None 1=DAP 2=MAP 3=TSP 4=SSP	5=NPK (20:20:0) 6=NPK (17:17:0) 7=NPK (25:5:+5S) 8=CAN (26:0:0) 9=ASN (26:0:0) 10=UREA (46:0:0)	11=SA (21:0:0) 12=Other (specify) ____ 13=manure 14=foliar feeds 15=NPK (23:23:23) 16=NPK (20:10:10) 17=DAP + CAN	18=compost 19=magmax lime 20=DSP 21=NPK(23:23:0) 22=NPK(17:17:17) 23=NPK(18:14:12) 24=NPK(15:15:15)	25=mavuno-basal 26=kero green 27=rock-phosphate 28=NPK 14:14:20 29=mijingu 1100 30=UREA+CAN 31=Mavuno-top dress.	Buyer type codes: 1=small trader 2=large trader 3=KTDA 4=coffee coop 5=NCPB 6=miller	7=other coop 8=NGO 9=consumer 10=Exporter 11=processor 12=supermarket 13=cereal bank 14=pyrethrum board
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Q1.4 SHORT CROP 2006/2007 (Eastern Kenya refers to Jul-Sept 2006 harvest, Western, Coast, Central Nov 2006-Jan 2007)*crop07.sav Key variables: hhid, harvest, field, crop. Harvest=2*

Crop code	Field No.	Acres	Is this field 1=owned w/ deed 2=owned w/o deed 3=rented 4=owned by parent/relative 5=government/co-munal/co-operative	system of watering used 1=Rain fed 2=Irrigated(pipe) 3=Irrigation (gravity) 4=other specify_	Main land prep type 0=none 1=manual 2=oxen 3=tractor	Hired land prep cost (Ksh)	Planting/ Seed Type 1=Purch /New Hybrid 2=Retained Hybrid 3=OPV 4=local var 5=local seedling/cuttings/splits 6=improved seedling/cuttings/splits 7=hybrid& local var 8=hybrid purc+retained 9=IR maize	Quantity of seed used & cost, if purchased this season			Number of productive fruit trees	1 st Fertilizer used			2 nd Fertilizer used			3 rd Fertilizer used			Harvest -777=not yet harvested		Sales		For the largest Sale				Quantity harvested that spoiled Use harvest unit codes (for fruits and Veg only)							
								Qty	Unit	Cost per unit		Type	Qty	Unit	Type	Qty	Unit	Type	Qty	Unit	Qty	Unit	Qty	Unit	Qty	Unit	Month 1= Jan. 12=Dec	Price received per unit		Buyer type	Km to point of sale	spoiled				
crop	field	acres	tenure	system	landprep	lpcost	Sdtype	sqt	sunit	scost	ptrees	ft1	fq1	fu1	ft2	fq2	fu2	ft3	fq3	fu3	hvt	hunit	sold	slunit	month	price	buyer	km	spoiled							

Unit codes: 1=90 kg bag 11=50 kg bag 2=kgs 3=litre 4=crates 5=numbers	6=bunches(bananas) 7=25kg bag 8=10kg Bag 9=gorogoro 10=tonnes 12=debe 13=grams	14=wheelbarrow 15=cart 16=canter 17=pickup 18=2kg packet(seed) 19=bale	Fertilizer codes: 0=None 1=DAP 2=MAP 3=TSP 4=SSP	5=NPK (20:20:0) 6=NPK (17:17:0) 7=NPK (25:5:+5S) 8=CAN (26:0:0) 9=ASN (26:0:0) 10=UREA (46:0:0)	11=SA (21:0:0) 12=Other (specify)____ 13=manure 14=foliar feeds 15=NPK (23:23:23) 16=NPK (20:10:10) 17=DAP + CAN	18=compost 19=magmax lime 20=DSP 21=NPK(23:23:0) 22=NPK(17:17:17) 23=NPK(18:14:12) 24=NPK(15:15:15)	25=mavuno-basal 26=kero green 27=rock-phosphate 28=NPK 14:14:20 29=mijingu 1100 30=UREA+CAN 31=Mavuno-top dress.	Buyer type codes: 1=small trader 2=large trader 3=KTDA 4=coffee coop 5=NCPB 6=miller	7=other coop 8=NGO 9=consumer 10=Exporter 11=processor 12=supermarket 13=cereal bank 14=pyrethrum board
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Q1.4 (CONTINUED) SHORT CROP 2006/2007 (Eastern Kenya refers to Jul-Sept 2006 harvest, Western, Coast, Central Nov 2006-Jan 2007)

crop07.sav Key variables: *hhid,harvest,field,crop*. Harvest=2

Crop code	Field No.	Acres	Is this field 1=owned w/ deed 2=owned w/o deed 3=rented 4=owned by parent/relative 5=government/co-munal/co-operative	system of watering used 1=Rain fed 2=Irrigated(pipe d) 3=Irrigation (gravity) 4=other specify_r	Main land prep type 0=none 1=manual 2=oxen 3=tractor	Hired land prep cost (Ksh)	Planting/ Seed Type 1=Purch /New Hybrid 2=Retained Hybrid 3=OPV 4=local var 5=local seedling/cuttings/splits 6=improved seedling /cuttings /splits 7=hybrid& local var 8=hybrid pur+retained 9=IR maize	Quantity of seed used & cost, if purchased this season			Number of productive fruit trees	1 st Fertilizer used			2 nd Fertilizer used			3 rd Fertilizer used			Harvest -777=not yet harvested		Sales		For the largest Sale				Quantity harvested that spoiled Use harvest unit codes (for fruits and Veg only)						
								Qty	Unit	Cost per unit		Type	Qty	Unit	Type	Qty	Unit	Type	Qty	Unit	Qty	Unit	Qty	Unit	Month 1= Jan. 12=Dec	Price received per unit	Buyer type	Km to point of sale		spoil					
crop	field	acres	tenure	system	landprep	lpcost	sdtype	sqt	sunit	scost	ptrees	ft1	fq1	fu1	ft2	fq2	fu2	ft3	fq3	fu3	hvt	hunit	sold	slunit	month	price	buyer	km	spoil						

<u>Unit codes:</u> 1=90 kg bag 11=50 kg bag 2=kgs 3=litre 4=crates 5=numbers	6=bunches(bananas) 7=25kg bag 8=10kg Bag 9=gorogoro 10=tonnes 12=debe 13=grams	14=wheelbarrow 15=cart 16=carter 17=pickup 18=2kg packet(seed) 19=bale	<u>Fertilizer codes:</u> 0=None 1=DAP 2=MAP 3=TSP 4=SSP	5=NPK (20:20:0) 6=NPK (17:17:0) 7=NPK (25:5:+5S) 8=CAN (26:0:0) 9=ASN (26:0:0) 10=UREA (46:0:0)	11=SA (21:0:0) 12=Other (specify)____ 13=manure 14=foliar feeds 15=NPK (23:23:23) 16=NPK (20:10:10) 17=DAP + CAN	18=compost 19=magmax lime 20=DSP 21=NPK(23:23:0) 22=NPK(17:17:17) 23=NPK(18:14:12) 24=NPK(15:15:15)	25=mavuno-basal 26=kero green 27=rock-phosphate 28=NPK 14:14:20 29=mijingu 1100 30=UREA+CAN 31=Mavuno-top dress.	<u>Buyer type codes:</u> 1=small trader 2=large trader 3=KTDA 4=coffee coop 5=NCPB 6=miller	7=other coop 8=NGO 9=consumer 10=Exporter 11=processor 12=supermarket 13=cereal bank 14=pyrethrum board
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USE OF MAIZE SEED**Q2. Indicate the types of maize seed planted in the main and short seasons:**

(Enumerator Instructions: Refer back to the crop table and copy the field and seasons, where maize was planted, to this table. Then ask the questions.)

maizeseed07.sav (key variables: hhid, field, harvest)

Field No.	Season 1=Main 2=Short	Crop 1=Maize 2=Green Maize 4=maize fodder	Seed varieties planted Use code below.	Seed Type 1=Purch/New Hybrid 2=Retained Hybrid 3=OPV 4=local var 9=IR maize	How did you obtain this seed? 1=Cash purchase 2=Credit 3=Exchange 4=Free 5=Retained seed 6=other, specify	Source of seed (see codes below)	Quantity used on this particular field		Cash/Credit/Exchange	
							Unit code: 1=90 kg bag 7=25 kg bag 9=gorogoro 12=debe	2=kgs 8=10 kg bag 11=50 kg bag 18=2kg packet	Price per unit	Total value
field	harvest	crop	sdvar	sdtype	sdoctain	Source	qty	units	price	value

Maize Seed Codes:

1=KS 614
2=KS 611
3=KS 622
4=KS 623
5=KS 625
6=KS 627
7=KS 628
8=KS 511
9=KS 512
10=KS 513
11=Pioneer
12=CG 4141
13=CG 5051

14=CG 5252,
15=Pan 5195
16=Pan 5355
17=Pan 5243
18=Pan 99
19=Maseno DC
20=DLC
21=DH1
22=DH2
23=DH3
24=DH4
25=Katumani
26=PH1
27=PH2

28=Coast Composite
29=Indigenous/Local type
31=Don't know
32=KS 514
33=KS 613
34=KS 626
35=KS 636
36=KS 9401
37=Kinyanya
38=Makueni
39=PH4
42=KS 612
43=Pan67
44=Monsanto

45=WS 501
46=Faida Seed 650
48=Rwanda
49=Pan 691
50=PH 1033
51=DK 8071
83=DK 3081
52=KS 629
53=KS 621
55=KS 515
56=DH 02
57=SCDUMA43
58=KH500-21A
59=KS 6213

60=KS 9201
61=WS 404
62=KS 615
63=KS 616
64=KS6 210
65=Resistant Maize (IR)/ua kayongo
66=Kakamega Synthetic
67=KSTP 94
68= Pan 612
69=Sadvil A
70=Sadvil B
71=Sadvil Composite
72=Simba

74= WS 402
75= WS 505
76= WS 403
77= WS 503
78= WS 504
79= WS 905
80= WS 909
81= WS 205
82= WS 500
40=WS 699
41=WS 904
54=WS 502
84=WS105
30=other , specify__

Source type codes:

1=small trader
2= stockist/agent
3=large company
4=NGO /CBO
5=KFA
6=Cooperative
7=Own seed
8=Farmer /Neighbour
9=General market
10=GoK
11=Farmer group
12= Other, specify ____

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 was 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 _____

CROP INPUTS

Q3k. What CROP INPUTS did you purchase/hire on CREDIT OR IN CASH in 2006/07 cropping year? (Excluding seeds)

input07.sav Key Variables: hhid inptype

<u>Input codes:</u>		Input type	Quantity bought/hired	Unit	Mode of Purchase	Source of Fertilizer and other inputs	Price per unit specified	Kms from point of purchase to farm	Transport Cost per Unit of the fertilizer (KSh)	Main Crop for which input was used	How is/was the credit repaid?
		(Select fertilizer codes from column on the left)									
			qbought	Unit	mdpurch	inpsorce	punit	kms	trancost	mcrop	inpaid
1=DAP	32=pesticide			1=90 kg bag	1=own cash	1=small trader/					1=crop revenue
2=MAP	33=insecticide			2=kg	2=borrowed cash	2=Stockist					2=livestock revenue
3=TSP	34=herbicide			3=litre	3=in kind credit	3=large company					3=off farm income
4=SSP	35=plough			13=gram	4=own and borrowed cash	4=CBO					4=both livestock and crop revenue
5=NPK (20:20:0)	36=sprayer			20=5 kg bag		5=KFA					5=other, specify _____
6=NPK (17:17:0)	37= AT equip			8=10 kg bag		6=coffee coop					
7=NPK (25:5:+5S)	39=technical support			7= 25 kg bag		7=farmer /neighbour					
8=CAN (26:0:0)	40=fungicide			9=gorogoro		8=KTDA					
9=ASN (26:0:0)	41=water			10=tonnes		9=Other coop					
10=UREA (46:0:0)	46=planter cost			11=50 kg bag		11=Farmer group					
11=SA (21:0:0)	47=harvester cost			14=w/barrow		12=Relative or friend					
13=Manure	48=transport			15=cart		13=other, specify _____					
14=Foliar feeds	49=sheller cost			21=days							
15=NPK (23:23:23)	50=fuel			17=numbers							
16=NPK (20:10:10)	51=gunny bags			30=acres							
17=DAP + CAN	52=ridger cost										
19=Magmax Lime	53=land rent										
20=DSP	54=land preparation cost(on credit only)										
21=NPK (23:23:0)	55=farm implements										
22=NPK (17:17:17)	56=farm machinery										
23=NPK (18:14:12)	57=irrigation equipment										
24=NPK (15:15:15)	12=other, specify _____										
58=NPK(25:5:0)											
25=Mavuno-basal											
26=Kero green											
27=Rock-phosphate											
28=NPK 14:14:20											
29=Mijingu 1100											
30=UREA+CAN											
31=Mavuno-top dress											
43=NPK (22:6:12)											

NON-AGRICULTURAL CREDIT

Q4a. If credit was used for non-agricultural purposes give details

nagcred07.sav (Key variables: hhid crduse)

Main use of the credit 1= school fees 2 =medical 3 =business 4 =household consumption 5 =other, specify _____	Type of credit received 1=Cash 2=In kind	What was the source of credit: 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 _____	Value of credit (Kshs)	How is/was the credit repaid? 1=crop revenue 2=livestock revenue 3=off farm income 4=both livestock and crop revenue 5=other, specify _____
crduse	ctype	crdsor	cvalue	repay

(Enumerator Instruction: check to see if household used fertilizer from crop table. If did use then skip to Q5)

Q4b. Why didn't the household use fertilizer (if did not use chemical fertilizer in the cropping year)

NOFERT _____

- 1=no money 2=fertilizer not available 3=practicing organic farming 4=uses organic manure 5=lack of advice
 6=no need to use 7=campaign against the use of chemical fertilizers 8 = other, specify _____

(Enumerator Instruction: check to see if household used fertilizer on **maize** from crop table. If did use then skip to Q5)

Q4c. If you didn't use chemical fertilizer on maize, why not?

NFERMZ _____

- 0=did not plant maize 1=not profitable 2=low response rate 3=couldn't obtain credit 4=not enough cash 5=too expensive
 6=maize price too low 7=no cash when needed 8= fertilizer not available 9= no need to use 10=other, specify _____

LABOUR COSTS

Q5a. In total, how much did you spend on **salariated** farm worker(s) for **cropping** activities in the **main and short harvests, 2006 /07?** (Ksh)
(Enumerator Instruction: Remember to consider only the proportion of time spent on cropping activities on apportioning salary)

SALFWRK _____

Enumerator Instruction: Ask about labour activities related to **Maize Only (Exclude fodder maize)**

Q5b. Identify the **largest monocrop maize** field *otherwise* ask for the **largest intercrop maize** field in the **main season**

FIELD _____

Q5c. What is the **slope** of this field: (1=flat 2=steep 3=steep terraced 4=moderate 5=moderate terraced)

SLOPE _____

Q5d. When did you plant maize in the **main** season? (1=Early) (2=On Time) (3=Late)

TPLANT _____

Q5e. Did any of your salariated workers work on the **largest maize** field for the 2006/2007 main season? (1=Yes) (2=No)

SALLBR _____

Q5f. What labour inputs did you use for the **largest maize** field for the 2006/2007 main season?

labour07.sav (No key variables)

Activity name	Code	Hired Labour				Family Labour (adults)								Family Labour (children)			Salaried Labour (ONLY if unpaid)			
		# hired	# of days	Kshs per person per day	Total Kshs by contract	# of males	Total # of hours each	Total Hours for all days worked	# of females	Total # of hours each	Total Hours for all days worked	# of children	Total # of hours each	Total Hours for all days worked	# Of workers	# days worked each	# hours per day each (on average)			
	ACTIV	LB01	LB02	LB03	LB04	LB05								LB08	LB09		LB10	LB11	LB12	LB13
1 st Ploughing	1																			
2 nd Ploughing	2																			
Harrowing	3																			
Planting	4																			
1 st Weeding	5																			
Top-dressing	6																			
2 nd Weeding	7																			
Field Dusting	8																			
Stooking	9																			
Harvesting	10																			
Transport	11																			
Drying	12																			
Shelling	13																			
Dusting(post harvest)	14																			
Bagging	15																			
Storage	16																			
Other, specify	17																			

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 _____)

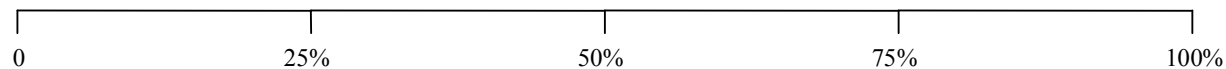
MAIZE MARKET ACCESS

- 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

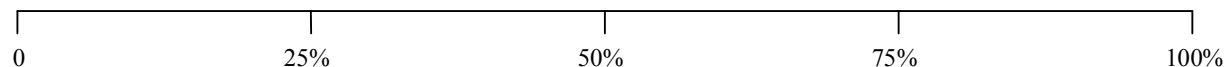
TIME ALLOCATION AND DECISION MAKING

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 Q7.8c.) **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- indigenous	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*

Product	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_____	
			Jul06	Aug06	Sep06	Oct06	Nov06	Dec06	Jan07	Feb07	Mar07	Apr07	May07	June07					buyer
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.	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_____
				2=Kgs 3=litres 22=Trays 5=Numbers 1=90kg bag 14=wheelbarrow 15=cart 16=canter 17=pickup				
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							

HHID _____

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
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
input	mdpurch	source	cvalue	modpay

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** _____
 (1=producer cooperatives 2=multi-purpose cooperative 3=savings & credit cooperatives **GRPMEM2** _____
 4=informal/self help groups 5=out-grower company 6=others, specify _____) **GRPMEM3** _____

Q13i. What **services** do you get from the group or cooperative? (Specify up to 3) **SERV1** _____
 (0=none 1=Training 2=Marketing 3=Input acquisition 4= Financial services 5=A.I services 6= Other specify _____) **SERV2** _____
SERV3 _____

Q14. DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS (OLD MEMBERS ONLY- Adults and Children listed in 2004)

demog07.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>	Is this person currently considered a member of this household? 1=Yes -> DA09 2=No	If this person is not a member of this household anymore, why? <i>See codes below</i>	How many months in the period July 2006 to June 2007 has this person been living at home?	Did this person receive cash from informal/business activity? Include farm kibarua, dividends 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	DA01	DA02	DA03	DA04	DA05	DA06	DA07	DA08	DA09	DA10	DA11	DA12

Relation to head(DA03)

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
15=Other specify

Marital Status(DA04)

1 = single
2 = monogamously married
3 = polygamously married
4 = divorced
5 = widowed
6 = separated
7 = other, specify _____

Education levels(DA06)

-99=don't know
-9=None
0=pre school
1=std 1
2=std 2
3=std 3
4=std 4
5=std 5
6=std 6
7=std 7
8=std 8
9= form1
10 = form 2
11=form 3
12=form 4
13=form 5
14=form 6
15= college 1
16= college 2
17= college 3
18= college 4
19=univ 1

20=univ 2
21=univ 3
22=univ 4
23=univ 5 & above

Reason for absence(DA08)

1=left to find a job
2=left to attend school
3=married away
4=deceased
5=divorced /separated
6=living with other relatives

8=went back home
9=another household
10=went missing
7= Other, specify

Q14 (CONTD) DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS (OLD MEMBERS ONLY- Adults and Children listed in 2004)

demog07.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>	Is this person currently considered a member of this household? 1=Yes ->DA09 2=No	If this person is not a member of this household anymore, why? <i>See codes below</i>	How many months in the period July 2006 to June 2007 has this person been living at home?	Did this person receive cash from informal /business activity? Include farm kibarua, dividends between July2006& 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	DA01	DA02	DA03	DA04	DA05	DA06	DA07	DA08	DA09	DA10	DA11	DA12

Relation to head(DA03)

- 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
- 15=Other specify

Marital Status(DA04)

- 1 = single
- 2 = monogamously married
- 3 = polygamously married
- 4 = divorced
- 5 = widowed
- 6 = separated
- 7 = other, specify _____

Education levels(DA06)

- 99=don't know
- 9=None
- 0=pre school
- 1=std 1
- 2=std 2
- 3=std 3
- 4=std 4
- 5=std 5
- 6=std 6
- 7=std 7
- 8=std 8
- 9= form 1
- 10 = form 2
- 11=form 3
- 12=form 4
- 13=form 5
- 14=form 6
- 15= college 1
- 16= college 2
- 17= college 3
- 18= college 4
- 19=univ 1

Reason for absence(DA08)

- 1=left to find a job
- 2=left to attend school
- 3=married away
- 4=deceased
- 5=divorced /separated
- 6=living with other relatives
- 8=went back home
- 9=another household
- 10=went missing
- 7= Other, specify

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

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	Relationship to current head <i>See codes below</i>	Marital Status <i>See codes below</i>	Is Currently attending school? 1 = Yes 2 = No <i>See codes below</i>	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 somewhere 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																	

- | | | | |
|------------------------------------|-------------------------------------|--------------------------------|---|
| <u>Rship to head (AD03)</u> | <u>Marital Status (AD04)</u> | <u>Education levels</u> | <u>New HH member (AD10)</u> |
| 1= head | 1 = single | -99=don't know | 1=married into the family |
| 2= spouse | 2 = monogamously married | -9=None | 2=returned to hh to help with hh activities |
| 3= own child | 3 = polygamously married | 0=nursery | 3=returned to the hh because he/she is sick |
| 4= step child | 4 = divorced | 1=std 1 | 4=hh member missed during 2004 survey |
| 5= parent | 5 = widowed | 2=std 2 | 5=lost parents (orphaned) |
| 6= brother/sister | 6 = separated | 3=std 3 | 6=fostered |
| 7= nephew/niece | 7 = other, specify _____ | 4=std 4 | 8=worker |
| | | 5=std 5 | 9=attend school |
| | | 6=std 6 | 10=separated/divorced |
| | | 7=std 7 | 11=death of spouse |
| | | 8=std 8 | 12=ran away from home |
| | | 9= form 1 | 13=lost job |
| | | 10 = form 2 | 14=inherited household |
| | | 11=form 3 | 15=live with relatives |
| | | 12=form 4 | 16=born |
| | | 13=form 5 | 7=specify, other _____ |
| | | 14=form 6 | |
| | | 15= college 1 | |
| | | 16= college 2 | |
| | | 17= college 3 | |
| | | 18= college 4 | |
| | | 19=univ 1 | |
| | | 20=univ 2 | |
| | | 21=univ 3 | |
| | | 22=univ 4 | |
| | | 23=univ 5 & above | |

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

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
- 0=pre school
- 1=std 1
- 2=std 2
- 3=std 3
- 4=std 4
- 5=std 5
- 6=std 6
- 7=std 7
- 8=std 8
- 9= form1
- 10 = form 2
- 11=form 3
- 12=form 4
- 13=form 5
- 14=form 6
- 15= college 1
- 16= college 2
- 17= college 3
- 18= college 4
- 19=univ 1
- 20=univ 2
- 21=univ 3
- 22=univ 4
- 23=univ 5 & above
- 99=don't know

Q17 BUSINESS AND INFORMAL LABOUR ACTIVITIES

We would like to know about all the off-farm income earning activities, including share dividends, your household was involved in, **except** *salaried employment pensions and remittances*. Please list the names of all persons from the demography table who indicated they had engaged in a business or informal labour activity, then enter their corresponding person code From the list below, please list all the informal income earning activities for which this person had primary responsibility at any time during the past 12 months (July 2006-June 2007) (include jua kali and farm kibaruas). **(Probe for charcoal burning, fishing and own tree selling)**

business07.sav (Key variables: *hhid, mem, activity*)

Person name	Person code	Activity Code	Please classify each month's net earnings as:												Low earnings month		Average earnings month		High earnings month		
			0=none			1=low			2=average			3=high			lgross	lcost	agross	acosts	hgross	Hcost	
			7/06	8/06	9/06	10/06	11/06	12/0	1/07	2/07	3/07	4/07	5/07	6/07							
name	mem	activity	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June							

Activity Codes:

- | | | | | | |
|--------------------------------|---------------------------------|----------------------------|----------------------------------|-----------------------|--------------------------------|
| 58 Accounting clerk | 8 Charcoal burning | 70 Harvesting | 24 Mining | 43 School business | 38 Transporter (goods) |
| 1 Agricultural trading | 9 Clothes/shoes business | 17 Hawker | 74 Non-agricultural business | 31 Selling mandasi | 55 Tree seller, commercial |
| 46 Bar operator | 51 Cobbler | 57 Hiring out a bull | 54 Nurse | 32 Selling water | 52 Vehicle mechanic |
| 64 Battery charging | 10 Curio trader | 73 Hotel | 68 Pet breeder | 69 Sheep shearer | 45 Veterinary doctor |
| 2 Bicycle (repair/transporter) | 11 Dealing ropes/sisal/firewood | 18 Jaggery | 25 Photography | 33 Spraying | 67 Video business |
| 60 Boat making | 12 Driver | 49 Laundry business | 63 Pit latrine digger | 50 Surveyor | 56 Village elder |
| 3 Brick making | 13 Earning dividends | 19 Livestock trader | 26 Planting | 34 Tailor | 39 Weaving |
| 4 Brokerage | 14 Electrician | 20 Local brewing | 27 Ploughing | 65 Teacher, part time | 40 Welding/painting/blacksmith |
| 62 Building | 72 Income from another farm | 42 Lumbering/wood cutting | 47 Plumber | 61 Thatching grass | 66 Wine tapper |
| 5 Butcher | 7 Farm kibarua | 21 Making pots | 28 Posho miller | 35 Timber trading | 71 Other, specify _____ |
| 6 Carpentry | 15 Fish trading | 22 Masonry | 29 Rental of properties | 59 Tour guide | |
| 75 Casual worker | 44 Hair dresser / barber | 23 Matatu business | 30 Retail shop/kiosk/shopkeeping | 36 Tout | |
| | 16 Harrowing | 41 Medical health business | 53 Sand harvesting | 37 Traditional doctor | |

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.

salwq07.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>											
					7/06	8/06	9/06	10/06	11/06	12/06	1/07	2/07	3/07	4/07	5/07	6/07
Name	mem	activity	mnwage	samewage	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 worker | 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 operator | 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 worker | 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

MREMIT _____
(11=Other, specify _____)

HHID _____

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?			About how much did you buy between November 2006 and February 2007?			About how much did you buy between July 2006 and October 2006?			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	TotQty		TotUnit
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 | 18 = 2 kg packet | 9=gorogoro | 19 = 1 kg packet |
| 11= 50 kg bag | 7 = 25 kg bag | 12=debe | 20 = 5 kg bag |
| 2=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 <i>purchase</i> 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, Ukwal, 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 piped 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	LOGGOV	
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	

HHID _____

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 _____)

ROOF _____

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 _____)

WALL _____

Q29c. What is the **floor** material of the **main house**?

(1= earth 2=cement 3=wood 4=tiles 5=other, specify _____)

FLOOR _____

Q29d. What is the mode of ownership of the **main house** ?

(1= owned 2= rented 3= owned by relative 4=other, specify _____)

HSEOWN _____

Q29e. What type of **toilet** do you use?

(1= pit latrine 2= bush 3= flush toilet 4= other, specify _____)

TOILET _____

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 _____)

MAINWET _____

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 _____)

MAINDRY _____

Q29h. What is your **main cooking fuel**?

(1=electricity 2=paraffin 3=firewood 4=gas 5=charcoal 6=solar power 7=other, specify _____)

COOKFUEL _____

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 _____)

LITFUEL _____

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)

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!