

**Egerton University - Tegemeo Institute/MSU**  
**Tegemeo Agricultural Policy Research Analysis (TAPRA)**  
**Rural Household Indicator Survey 2010 – Synthetic Survey Instruction 2010**

Location of data files: ....\Kenya\Kenyahh2010\augdata

Files created for this questionnaire:

File name	Level of data	Page	Table description
allhhid10.sav (.dta)	Household	1	Contains all households that were to be interviewed
hhidfinal10.sav (.dta)	Household	1	Contains only households that <b>completed</b> the survey
hh10.sav (.dta)	Household	multiple	General household level questions
incrop10.sav (.dta)	Household, crop	2	Crop inventory-field crops, fruit trees & vegetables
field10.sav (.dta)	Household, harvest, field	3	Acreage, tenure, land preparation types and costs
croplev10.sav (.dta)	Household, harvest, field, crop	4	Details on crops grown, seeds used, quantities harvested and sold (and spoiled for fruits and vegetables only), buy types for main and short seasons
fert10.sav (.dta)	Household, harvest, field	5	Types and quantity of fertilizer used per field
maizeseed10.sav (.dta)	Household, season, field, seed variety	5	Types of maize seed varieties used and their sources
nagcred10.sav (.dta)	Household, main use of credit	6	Sources, uses and value of credit for non-agricultural purposes
input10.sav (.dta)	Household, input type	7	Inputs bought in cash or on credit
fertsubsidy10.sav (.dta)	Household, fertilizer type, year of subsidy	8	Fertilizer subsidies received over the last 3 years
fertaval10.sav (.dta)	Household, fertilizer year	8	Availability of fertilizer in last 3 years
labour10.sav (.dta)	Household, activity	10	Labour inputs for largest maize field
decision10.sav (.dta)	Household, enterprise	11	Who makes the decisions on production, marketing, and income use
landmkt10.sav (.dta)	Household, transaction	13	Land transactions for last 10 years
livestock10.sav (.dta)	Household, livestock type	14	Livestock, inventory, purchases and sales
cowmilk10.sav (.dta)	Household, cow milk	15	Quantities of cow milk produced and sold fresh or in sour form
liveprod10.sav (.dta)	Household, livestock product	15	Livestock products produced and sold apart from cow milk
livescost10.sav (.dta)	Household, animal species	16	Costs incurred with regard to livestock
livestinput10.sav (.dta)	Household, livestock input	16	Livestock and livestock inputs acquired on credit
extension10.sav (.dta)	Household, extension service	17	Gauges the amounts respondents are willing to pay for various extension services
demog10.sav (.dta)	Household, member number	18	Details about adult household members listed in 2004
demogA10.sav (.dta)	Household, member number	19	Details about additional adult household members not listed in 2004
mortality10.sav (.dta)	Household, member number	20	Details about deaths in the household since 2004
business10.sav (.dta)	Household, member number, activity	21	Business and informal labour activities
salwg10.sav (.dta)	Household, member number, activity	22	Salaried wage /permanent employment activities-includes pension and remittances
savings10.sav (.dta)	Household, member number	23	Details on savings accounts held by household members
purch10.sav (.dta)	Household, item purchased	24	Quantities of selected dry food items bought, includes maize grain obtained as gift or relief
climate10.sav (.dta)	Household, weather type	25	Weather patterns
pev10.sav (.dta)	Household, effect	26	Post election violence effects
cellphone10.sav (.dta)	Household, phone use	27	Mobile phone usage

File name	Level of data	Page	Table description
asset10.sav	Household, asset	28	Household agricultural assets
store10.sav	Household, type of storage for grains	30	Storage of grains

**Identifying Location Variables:***Filenames: allsurid10.sav and hhidfinal10. sav* *Key variables: hhid***Province:** 1= Coast, 3= Eastern, 4= Nyanza, 5= Western, 6= Central, 7= Rift Valley**District:**

11 Kilifi  
12 Kwale  
13 Taita Taveta  
31 Kitui  
32 Machakos

33 Makueni  
34 Meru  
35 Mwingi  
41 Kisii  
42 Kisumu

43 Siaya  
51 Bungoma  
52 Kakamega  
53 Vihiga  
61 Muranga

62 Nyeri  
71 Bomet  
72 Nakuru  
73 Narok  
74 Trans Nzoia

75 Uasin Gishu  
81 Laikipia

**Variable code****prov** \_\_\_\_\_**dist** \_\_\_\_\_**Division**

111 Kalolenii  
121 Kinango  
122 Msambweni  
131 Mwatate  
311 Chuluni  
321 Mwala  
331 Kilome  
341 W. Abothogucii

351 Migwani  
411 Marani  
421 Kadibo  
422 Nyando  
423 Winam  
431 Bondo  
432 Uranga  
511 Kanduyi

512 Kimilili  
513 Tongaren  
521 Kabras  
522 Mumias  
523 Lugari/Likuyani  
531 Sabatia  
611 Kandara  
612 Kangema

613 Kiharu  
622 Mukurweini  
623 Othaya  
711 Kimulot  
721 Mbogoine  
722 Molo  
723 Njoro  
731 Ololunga

**div** \_\_\_\_\_

741 Cherangani  
742 Saboti  
751 Ainabkoi  
752 Moiben  
811 Lamuria

## Location

111 Buni	512 Kamukunywa
112 Rabai	521 Etenje
121 Vigurugani	522 Shiruku
122 Pongwe/ Kidimwi	523 Likuyani
131 Mwakitau	531 North Maragoli
311 Mbitini	601 Ithiru
321 Mwala,	611 Mbiri
331 Itaani	613 Muguru
332 Kithangathini	621 Muhito
333 Kilungu	622 Chinga
334 Kilome/ Kilungu	711 Kimulot
341 Githongo	721 Sachangwan
342 Katheri	722 Ngata
351 Migwani	723 Weseges
411 Mwamunari	731 Melelo
412 Kegogi,	741 Kinyoro
421 Kobura	742 Kaplamai
422 Awasi	751 Sergoit
423 C. Kolwa	752 Olare
431 Usonga	811 Thigiti
432 N. Sakwa	821 Katuli
511 Bukembe	

## Zone

2 = Coastal Lowlands,  
 3 = Eastern Lowlands,  
 4 = Western Lowlands,  
 5 = Western Transitional,  
 6 = High Potential Maize Zone,  
 7 = Western Highlands,  
 8 = Central Highlands,  
 9 = Marginal Rain Shadow.

**Sub-location:**

1111 Kisimani
1121 K/Mwale
1122 Kizuritini
1211 Vigurugani
1221 Wasini/ Mukwiro
1311 Godoma
3111 Mbitini
3112 Katwala
3211 Myanyani
3212 Mathunthine
3311 Kalongo
3321 kalongo
3331 Kithangathini
3341 Kalongo 3341.000000
3411 Kabaranyiki
3421 Kirimagiathi
3422 Kathita
3511 Kyambo
4111 Rioma
4112 Nyakeiri

4121 Ngokoro
4211 Iela
4221 Border1
4222 Ayucha
4231 Nyalunya
4311 Sumba
4321 Abom
4322 Bar-Chando
5111 Namirembe
5112 N.Sangalo
5121 Nabikoto
5211 Bungasi
5212 Musanda
5221 Mugai
5222 Malekha
5231 Soi
5311 Kivagala
5312 Mulundu
6011 Gakarara
6111 Gikandu
6131 Kiairathe
6211 Gaturia

HHID: \_\_\_\_\_

**location** \_\_\_\_\_

**subloc** \_\_\_\_\_

6212 Gatura
6221 Mumbuni
6222 Kathera
7111 Kapsinendet
7112 Kapset
7211 Sachangwan
7221 Ngecha
7222 Kirobon
7231 Nyamamithi
7311 Melelo
7411 Kinyoro
7421 Kimison
7422 Motosiet
7511 Chepkoilel
7512 Kelji
7521 Kapkeno
8111 Lamuria
8112 Kariguini

**zone** \_\_\_\_\_

**Egerton University - Tegemeo Institute/MSU  
Tegemeo Agricultural Policy Research Analysis (TAPRA)  
Rural Household Indicator Survey 2010**

“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:	_____	<b>SNUM</b>	_____
Enumerator:	_____	<b>ENUM</b>	_____
Province:	_____	<b>PROV</b>	_____
District:	_____	<b>DIST</b>	_____
Division:	_____	<b>DIV</b>	_____
Location:	_____	<b>LOC</b>	_____
Sub-Location:	_____	<b>SUBLOC</b>	_____
Village:	_____	<b>VIL</b>	_____

GPS coordinates: (1=North 2=South) **NS**\_\_\_\_\_ **HH1** : \_\_\_\_\_ **dd**)

East\_\_\_\_\_ **HH2** : \_\_\_\_\_ **dd**)

**HH3** : Altitude **m.a.s.l** (\_\_\_\_\_)

**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=Displace by PEV 9= other, specify\_\_\_\_\_)

**CROP INVENTORY AND CROP CODES:** Did you plant this crop either in the main or short harvest? (leave blank if did not plant)

Filename: incrop10.sav (Key variables: hhid, crop) (Season: 1=main season 2=short season 3=both seasons)

Code	Crop	Season	Code	Crop	Season	Code	Crop	Season	Code	Crop	Season
119	apple		71	eggplant		80	nappier /elephant grass		8	sorghum	
44	arrowroots		20	flowers		165	nathi (goose berry )		39	sorghum (drought	
201	artemesia		25	french beans		147	njahi (dolichos )		160	soyabeans	
97	avocado					37	njugu mawe(bambara		66	spinach	
50	avocado (grafted)		138	garlic onion					124	squash	
18	babycorn		62	gourds		32	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		210	karela		85	pasture (not				
94	carrots		38	Jack fruit		58	pawpaw(grafted)		3	tamarind	
24	cashew nuts		302	Jatropha		70	pawpaws		189	tangawizi	
28	cassava		84	lemon (grafted)		166	peaches		136	tangerine	
48	cassava, tc		207	lemon grass		134	pears		12	tea	
146	castor oil		74	lemons		65	pepper, bell		29	tobacco	
175	cauliflower		173	lettuce		141	pigeon peas		63	tomatoes	
26	chickpeas		83	lucerne		133	pineapples		162	tree tomato	
131	chillie peppers		118	lugard		121	plums		53	trees (multi purpose),	
42	citrus, tc					178	pomegranate		161	Turnips	
23	coconuts		203	macadamia nuts		35	poyo		5	trees, commercial	
194	coconuts, copra		135	macadamia nuts		76	pumpkin				
193	coconuts, green		47	macadamia, tc		172	pumpkin leaves		205	vanilla	
6	coffee, cherries		1	maize, dry		17	pyrethrum		300	Venessi	
176	coffee, churned		2	maize, green							
11	coffee, mbuni		4	maize (fodder)		211	ravaya		69	watermelon	
168	corn flower		73	mangoes		31	rice		13	wheat	
14	cotton		204	mangoes (grafted)		86	rosemary		41	wheat (drought	
21	cowpeas		45	mangoes, tc		171	runner beans		163	white suppoise	
19	cowpeas leaves		120	matomoko					149	wild berries	
125	cucumber		9	millet		36	saina				
			148	miraa		40	simsim (drought		95	yellow passion	
192	dates		197	mkunga		78	simsim		81	yams	
183	dhania		196	mkuyu		16	sisal				
182	dhania grains		122	mulberry		301	Snap peas		174	zambarao	
164	dry peas		222	medicinal plants		90	snow peas				

**LAND USE**

- Q1a. How many **acres** in **total land holding** does the household **own**? TACRES \_\_\_\_\_
- Q1b. How many acres of land are **currently under non fruit trees**? ATREE \_\_\_\_\_
- Q1.1a. How many acres of land **were leased out** in the last **main season 2009/2010**? LEASE \_\_\_\_\_
- Q1.1b. How many acres of land **were rented-in** in the last **main season 2009/2010**? RENT \_\_\_\_\_
- Q1.1c. How many acres of land were kept **fallow and/or abandoned** in the **main season 2009/2010**? FALLOW \_\_\_\_\_
  
- Q1.1d. Did this household have any cropping activity during **MAIN CROP Season 2009/2010**? (1= Yes No=2) MAINCROP \_\_\_\_\_
  
- Q1.3 Did this household have any cropping activity during **SHORT CROP Season 2009/2010**? (1=Yes 2=No) SHOTCROP \_\_\_\_\_

**MAIN CROP Season 2009/2010** (Eastern Kenya refers to Jan-March 2010 harvest, Western, Coast Central July/October 2009; R.Valley Nov/Dec 2009)  
**SHORT CROP 2009/2010** (Eastern Kenya refers to Jul-Sept 2009 harvest, Western, Coast, Central Nov 2009-Jan 2010, Rift Valley; planted in October rains)  
**The main and short crops are combined into one table.**

**NOTE: Three files were created from the table on crop activities: field10.sav, croplev10.sav and fert10.sav**

**Filename: field10.sav** (Key variables: *hhid, harvest, field*)

Harvest season 1=Main 2=Short	Field number	Acres	Is this field 1=owned with title deed 2=owned without title deed 3=rented 4=owned by parent / relative 5=government/communal/co-operative	System of watering using 1=rainfed 2=irrigated (piped) 3=irrigated (gravity) 5=can/bucket irrigation	Main land preparation type 0=none 1>manual 2=oxen 3=tractor	Hired land preparation cost (Ksh)
harvest	field	acres	tenure	system	landprep	lpcost

**Q1.2** If Q1.1d =Yes, go to table below (Probe for fruits trees, vegetables, and medicinal or aromatic plants). Otherwise, move to the short season crop.

**Filename: croplev10.sav** (Key variables: *hhid, harvest, field, crop*)

Harvest Season 1=Main 2=Short	Field No.	Crop code	Planting/ Seed Type	Quantity of seed used and cost, if purchased this season			Number of productive fruit trees	Harvest -777 = not yet harvested		Sales		For the largest Sale				Quantity harvested that spoiled Use harvest unit codes (for fruits and veg only)	Seed kg conversion	Kgs of seed quantity used	Harvest kg conversion	Kgs harvested	Sale kg conversion	Kgs sold	Quantity of fruit and vegetable that got spoiled after harvest
				Qty	Unit	Cost per unit		Qty	Unit	Qty	unit	Month 1=Jan ..... 12=Dec	Price received per unit	Buyer type	Km to point of sale								
harvest	field	crop	sdtype	sq	sunit	scost	ptrees	hvt	hunit	sold	slunit	mon	price	buyer	km	spoil	sdconv	seedkg	hvtconv	kgharv	slconver	kgssold	kgspoil

Harvest Season 1=Main 2=Short	Field No.	Crop code	Quantity retained	Value of production	Value of sales	Value retained	Conversion for seed units	Conversion for harvest units	Conversion for sales unit	Median price per kg	The price that pkg represents
harvest	field	crop	kgret	vprod	vsold	vret	sdconver	hvtconv	slconv	pkg	pkgreg

<b>Seed Type:</b> 1=purchased new hybrid 2=retained hybrid 3=OPV 4=local variety 5=local seedling / cuttings/ splits	6=improved seedling / cuttings / splits 7=hybrid & local variety 8=purchased hybrid and retained 9=IR maize 10=volunteer / ratoon seed	<b>Unit codes:</b> 1=90 kg bag 11=50 kg bag 2=kgs 3=litre 4=crates 5=numbers	6=bunches 7=handfuls 9=gorogoro 10=tonnes 12=debe 13=grams	14=wheelbarrow 15=cart 16=canter 17=pickup 18=2 kg packet (seed) 19=bale	<b>Buyer type codes:</b> 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 15=bicycle trader 16=National Irrigation Board 17=Kenya Seed
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**Fertilizer Use**

**Filename: fert10.sav** (Key variables: *hhid, harvest, field, ferttype*)

Harvest season 1=Main 2=Short	Field no.	Fertilizer type used	Quantity of fertilizer type	Unit of fertilizer type	Kg conversion value	Kgs of fertilizer	District media price	Total fertilizer cost	District	The price that pfert represents
harvest	field	fertype	fertqty	fertunit	kgconver	ferttotal	pfert	fertcost	dist	pfertrep

Unit codes:			Fertilizer codes:				
1=90 kg bag	9=gorogoro	16=canter	1=DAP	8=CAN(26:0:0)	15=NPK(23:23:23)	21=NPK(23:23:0)	31=mavuno-top dressing
11=50 kg bag	10=tonnes	17=pickup	2=MAP	9=ASN(26:0:0)	16=NPK(20:10:10)	22=NPK(17:17:17)	58=NPK+CAN
2=kgs	12=debe	18=2 kg packet	3=TSP	10=UREA(46:0:0)	17=DAP + CAN	23=NPK(18:14:12)	59=NPK(22:6:12) + TE
3=litre	13=grams		4=SSP	11=SA(21:0:0)	18=compost	24=NPK(15:15:15)25=Mavuno-	60=NPK(26:5:5)
7=25 kg bag	14=wheelbarrow		5=NPK (20:20:0)	12=Other (specify)___	19=magmax lime	basal	61=NPK(22:11:11)
8 = 10 kg bag	15=cart		6=NPK (17:17:0)	13=manure	20=DSP	26=Kero green	62=mavuno top dressing + urea
			7=NPK(25:5:+5S)	14=Foliar feeds			

**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.)

**Filename: Maizeseed10.sav** (Key variables: *hhid, harvest, field, crop, sdvar, sdobtain, units*)

Field No.	Season 1=Main 2=Short	Crop 1=Maize-dry 2=Maize-green 4=Maize -fodder	Seed Type 1=Purchased /New Hybrid 2=Retained Hybrid 3=OPV 4=Local variety 9=IR maize	Seed varieties planted  Use code below	How did you obtain this seed?		Source of seed  (see codes below)	Quantity used on this particular field			Cash/Credit/Exchange  (Give total value if cannot get price per unit)			
					1=Cash purchase 2=Credit 3=Exchange 4=Free	5=Retained seed 6=Voucher 7=other, specify		Unit code:	Price per unit	Total value	Total value of seed			
field	harvest	crop	sdtype	sdvar	sdobtain		source	qty				units	kgseed	price

**Maize Seed Codes:**

2=KS 611	55=KS 515	100=KS 1920	22=DH2	43=Pan 67	28=Coast Composite	48=Rwanda	45=WS 501	<b>Source codes:</b>	8=Farmer /Neighbour
1=KS 614	91=KS 516	64=KS 6210	56=DH 02	18=Pan 99	87=Freshco	69=Sadvil A	54=WS 502	1=Small trader	9=General market
3=KS 622	99=KS 520	85=KS 6212	23=DH3	68=Pan 612	29=Indigenous/Local type	70=Sadvil B	77=WS 503	2= Stockist/agent	10=GoK
4=KS 623	42=KS 612	59=KS 6213	24=DH4	49=Pan 691	65=IR	71=Sadvil Composite	78=WS 504	3=Large company	11=Farmer group
5=KS 625	33=KS 613	60=KS 9201	83=DK 3081	15=Pan 5195	66=Kakamega Synthetic	72=Simba	75=WS 505	4=NGO /CBO	12= Other, specify___
6=KS 627	5=KS 625	36=KS 9401	97=DK 8031	16=Pan 5355	37=Kinyanya	84=WS 105	40=WS 699	5=KFA	13=Church
7=KS 628	6=KS 627	63=KS 616	86=DK 8053	17=Pan 5243	25=Katumani 38=Makueni	81=WS 205	41=WS 904	6=Cooperative	14=Employer
8=KS 511	7=KS 628	53=KS 621	51=DK 8071	26=PH1	19=Maseno DC	74=WS 402	79=WS 905	7=Own seed	
9=KS 512	8=KS 511	98=KS 624	46=Faida Seed 650	27=PH2	44=Monsanto	76=WS 403	80=WS 909		
10=KS 513	9=KS 512	34=KS 626	58=KH500-21A	39=PH4	11=Pioneer	61=WS 404	31=Don't know		
32=KS 514	10=KS 513	52=KS 629	67=KSTP 94	50=PH 1033		82=WS 500	30=other specify___		
	32=KS 514	35=KS 636	21=DH1	57=SCDUMA43					

**CREDIT**

**A. CASH CREDIT**

- Q3a.** Did any household member **try to get** any **cash credit** during the **2009/10 crop** year? (1=Yes) (2=No go to Q3h)
- Q3b.** If yes, what was the **intended** purpose: (1=Agricultural purposes 2=Non agricultural purposes 3=Both )
- Q3c.** Did you receive the **cash credit** that **you tried to obtain**? (1= Yes) (2=No go to Q3g)
- Q3d.** (If yes) How **much cash credit in TOTAL** did you receive (Ksh)
- Q3e.** For the **two main** sources of cash credit, what was the source and the amount that you received from each?

**CASHCRD**\_\_\_\_\_

**CARDWHY**\_\_\_\_\_

**CASHRD**\_\_\_\_\_

**CASH** \_\_\_\_\_

**CSRC1** \_\_\_\_ **CAMT1** \_\_\_\_\_

**CSRC2** \_\_\_\_ **CAMT2** \_\_\_\_\_

**SRCCRD1** \_\_\_\_ **SRCCRD2** \_\_\_\_\_

**CSRC1 & CSRC2**

1= neighbor	4=commercial bank (specify)	7=AFC	10=shopkeeper	13=HELB	16=coffee cooperative
2=farmer group	5=relative/friend	8= group (ROSCA)	11=other, specify	14=shylock	17=National Irrigation Board
3=SACCO	6=NGO/MFI (specify)	9=village bank	12=employer	15=church	18=sugarcane processor
<b>SRCCRD1 &amp; SRCCRD2</b>					
Commercial Bank (specify)	10=KCB	11=Family Bank	2=Equity	12=Co-op	13=Consolidated Bank
NGO/MFI (specify)	6=KWFT	4=K-REP	7=Paula Kenya	8=Bimas	14=ECLOF

- Q3f.** How was the **cash credit** used (1=Agricultural purposes 2=Nonagricultural purposes 3=Both )

**CREDWHY** \_\_\_\_\_

- Q3g.** If you tried to get **cash credit but did not get** what was the reason for not getting?

**NCASH** \_\_\_\_\_

(1=no collateral 2=had outstanding loan 3= don't know 4= did not have an account 5= lender lacked cash 6= not processed yet 7=other, specify\_\_\_\_\_)

**B. IN KIND CREDIT**

- Q3h.** Did any household member **try to get** any **credit in kind** during the 2009/10 crop year? (1=Yes) (2=No go to Q3l)
- Q3i.** If **yes**, what was the intended purpose? (1=Agricultural purposes 2=Non-agricultural purposes 3=Both)
- Q3j.** Did you receive the **credit** in kind **that you tried to obtain**? (1= Yes) (2=No go to Q4)
- Q3k.** In what form was the credit in kind received? (1= Agricultural inputs 2=Household consumption 3=Both)

**INKDCRD** \_\_\_\_\_

**NCREDWHY**\_\_\_\_\_

**CRED** \_\_\_\_\_

**FCREDIT** \_\_\_\_\_

**C. NON-AGRICULTURAL CREDIT**

- Q3l.** If **credit** was used for **non-agricultural purposes** (if Q3f and/or Q3k=2 or =3) give details

Filename: nagcred10.sav (Key variables: hhid, crduse, ctype, crdsor)

Main use of the credit	Type of credit received	What was the source of credit:	Value of credit (Kshs)	How is/was the credit repaid?	Sources of Credit (crdsor)
1= school fees 2 =medical 3 =business 4 =household consumption 5=buy land 6=build a house 7=other, specify_____ 8=house improvement 9=funeral expense 10=transport equipment	1=Cash 2=In kind			1=Crop revenue 2=Livestock revenue 3=Off farm income 4=Both livestock and crop revenue 5=other (specify_____) 6=Not paid	1=Neighbor 2=Farmer group 3=SACCO 4=Commercial bank 5=Relative/friend 6=NGO/MFI 7=AFC 8=Group (ROSCA) 9=Village bank 10=shopkeeper 11=Other (specify) 12=Commodity coop 13=Church 14=Employer 15=Sugar company 16=Prison
<b>crduse</b>	<b>ctype</b>	<b>crdsor</b>	<b>cvalue</b>	<b>repay</b>	



**Fertilizer Subsidy and Availability**

**Q5a.** Did you receive any fertilizer subsidy over the last three years? (1=Yes 2=No -> skip to Q5c)

**SUBSIDY**\_\_\_\_\_

**Q5b.** Please fill the table if the household received any fertilizer subsidy

*(Enumerator Instruction: payment for partial subsidy and the market price should be recorded for the same unit as specified in Sbunit)*

**Filename: fertsubsidy10.sav** (Key variables: hhid, sfert, subsidyr, sbunit)

Fertilizer type received <i>(use fertilizer codes)</i>	Year you received	Source of the subsidised fertilizer 1=Government NAAIAP 2=Government Other 3=NGO 4=Other (specify) _____	Quantity received	Unit 2 =kg 3 =litre 13=gram 8 =10 kg bag 7 =25 kg bag 9 =gorogoro 11=50 kg bag	Kgs of fertilizer received	What form of subsidy was it 1=Partial 2=Full	If partial (sform =1), how much did you pay per unit	What was the market price per unit during that period?
<b>sfert</b>	<b>subsidyr</b>	<b>fsorc</b>	<b>sqnty</b>	<b>sbunit</b>	<b>sbkg</b>	<b>sform</b>	<b>sprice</b>	<b>mktprice</b>

**Q5c.** Have there been any periods during the **last 3 years** that you have tried to get fertilizer and have not been able to at the normal location?

(1=Yes 2= No -> go to Q5e)

**FERTGET**\_\_\_\_\_

**Q5d. Fill the table below:**

**Filename: fertaval10.sav** (Key variables: hhid, fyear)

Year	Month (1=Jan.... 12=Dec)	Main reason you were unable to get the fertilizer at the normal source 1=high prices 2=out of stock 3=national shortage 4=other (specify) _____ 5=hoarding	Did you travel to another location to get fertilizers? 1=Yes 2=No	Distance travelled to another location to get fertilizer during this period? (km)	Did you get the quantity you wanted to buy at this new location? 1=Yes 2=No	If you did not get the quantity you wanted (fqnty =2), give main reason why not? 1=high prices 2=rationing of the commodity 3=high transport cost 4=lack of appropriate transport 5=other (specify) _____ 6=stocks ran out
<b>fyear</b>	<b>fmnth</b>	<b>freason</b>	<b>travel</b>	<b>fkm</b>	<b>fqnty</b>	<b>whyno</b>

(Enumerator Instruction: check to see if household used fertilizer on maize from crop table. (If did use then skip to Q6a)

Q5e. 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\_\_\_\_\_ 11=lack of advice 12=low rains in the area 13=practising organic farming 14=spoils the soil )

(Enumerator Instruction: check to see if household used fertilizer from crop table.)

Q5f. 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 \_\_\_\_\_ )

**LABOUR COSTS**

Q6a. In total, how much did you spend on salaried farm worker(s) for cropping activities in the main and short harvests, 2009/10? (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)

Q6b. Identify the **largest monocrop maize** field otherwise consider the **largest intercrop maize** field in the **main season**

FIELD \_\_\_\_\_

Q6c. What is the **slope** of this field: (1=flat 2=steep 3=steep terrace 4=moderate 5=moderate terrace)

SLOPE \_\_\_\_\_

Q6d. When did you plant maize in the **main** season (relative to the usual planting time)? (1=early 2=on time 3=late)

TPLANT \_\_\_\_\_

Q6e. Did any of your salaried workers work on the **largest maize field** for the 2009/10 main season? (1=yes) (2=no)

SALLBR \_\_\_\_\_

Ask about the largest monocrop maize field. If no maize monocrop field ask for the largest intercrop maize field in the **main** season.

**Q6f. What labour inputs did you use for the largest maize field for the 2009/10 main season?**

**Filename: labour10.sav** (Key variables: hhid, activity)

Activity name	Code	Hired Labour				Family Labour (adults)								Family Labour (children)			Salaried Labour (ONLY if unpaid)						
		No hired	No of days	Kshs per person per day	Total Kshs by contract	No of males	Total No of hours each				Total Hours for all days worked	No of females	Total No of hours each			Total Hours for all days worked	No of children	Total No of hours each		Total Hours for all days worked	No of workers	No of days worked each	No of hours per day each (on average)
ACTIVITY		LB01	LB02	LB03	LB04	LB05					LB06	LB07				LB08	LB09			LB10	LB11	LB12	LB13
1 <sup>st</sup> Ploughing	1																						
2 <sup>nd</sup> Ploughing	2																						
Harrowing	3																						
Planting	4																						
1 <sup>st</sup> Weeding	5																						
Top-dressing	6																						
2 <sup>nd</sup> 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																						
Security	18																						
Irrigation	19																						
Slashing	20																						
Harvesting & transport	21																						
Shell, bag, store	22																						
Shell, dust, bag, store	23																						
Harvest, dust, bag, store	24																						
Shell, dust, bag	25																						
Dry, shell, bag, store	26																						
Dry, shell, dust, bag, store	27																						
Dry, shell, dust, bag	28																						
Stook, harvest, transport	29																						

**WAGE RATES.** (Ref: June09 – May10).

**Q6g.** What is the **daily wage rate** for **general farm labour** in this area? (Ksh per day): **MALEWAGE** \_\_\_\_\_ **MALEHOUR** \_\_\_\_\_

**FEMWAGE** \_\_\_\_\_ **FEMHOUR** \_\_\_\_\_

**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** \_\_\_\_\_

(1 = more convenient now 2 = more convenient 6-7 years ago 3 = the same 4 = not sure) b) to buy maize **EZBUY** \_\_\_\_\_

**Q7.2a** 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** \_\_\_\_\_

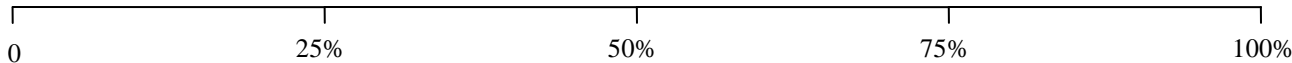
(1 = more private traders now 2 = fewer private traders now 3 = the same 4 = not sure)

**Q7.2b** In the **last main season** how many traders came into this village within the first 4-5 months after harvest to buy maize? (-9=Don't Know) **TRADENUM** \_\_\_\_\_

**TIME ALLOCATION AND DECISION MAKING**

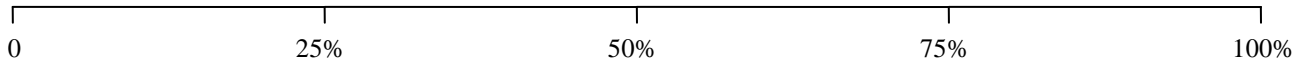
**Enumerator Instructions:** Introduce this section as follows: "As a farmer you may be involved in several activities such as farming, livestock, business activities and salaried activities." Show the respondent the lines and let him/her mark for you the points.

**Q8.1** What Proportion of **time** did the **Household Head** allocate to **farming activities (crop/livestock)** in the last one year? **TIMEHD** \_\_\_\_\_



**Q8.2** What Proportion of **time** did the **spouse** allocate to **farming activities (crop/livestock)** in the last one year? **TIMESP** \_\_\_\_\_

(no spouse use code -9)



**Q8.3** Indicate in the table below who in the household is the main decision maker on production marketing and income of the following enterprises in this Household

**Filename: decision10.sav** (Key variables: *hhid, enterp*)

Enterprise	Participate in enterprise 1=yes 2=no	Who is the main decision maker on...			Prodec, makdec, useinc codes: 1=head 2=spouse 3=male children 4=female children 5=head and spouse 6=head, spouse & children 7=household non-members 8=other (specify) _____ 9=brother 10=daughter-in-law
		Production	Marketing	Use of income generated	
	enterp	partentr	prodec	makdec	useinc
Maize	1				
Cash crops	2				
Fruits and Vegetables	3				
Other crops	4				
Large Livestock	5				
Small livestock	6				

**Q8.4** In which year did this household **first use improved** maize seed (hybrid/OPV)? (Enter 0 if household never used hybrid seed) **YEARHMZ** \_\_\_\_\_

**Q8.5** In which year did this HH **first use inorganic/chemical fertilizer on crops**? (Enter 0 if household never used inorganic fertilizer) **YEARFERT** \_\_\_\_\_

**SOIL, WATER AND ENVIRONMENTAL CONSERVATION**

**Q9a.** 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 \_\_\_\_\_ 16=dam 17=zero tillage)

**Q9b.** Are you practising **zero-tillage**? (1=Yes) (2=No) **ZEROTIL** \_\_\_\_\_

**Q9c.** Are you **composting manure**? (1=Yes) (2=No go to Q9e.) **COMPOST** \_\_\_\_\_

**Q9d.** If **Yes**, which year did you start **composting manure**? **YRCOMP** \_\_\_\_\_

**Q9e.** 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 \_\_\_\_\_  
 9=used as firewood)

**PRICES**

We would like to know the prices of the following commodities in this area **during the 2009/2010 main season**?

**(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 9.1 through 9.4. 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>
<b>Q 9.1a.</b> What is the price of <b>DAP</b> in this area? (record the price and unit of measure)	(Ksh):	<b>DAP</b> _____	<b>UDAP</b> _____
<b>(Instruction:</b> Do not ask this question if the unit given for DAP is a 50 kg bag.)	(Ksh):	<b>PDAP</b> _____	
<b>Q9.1b.</b> What is the price of a <b>50 kg bag</b> of <b>DAP</b> in this area? (-9 = Do not know)	(Ksh):	<b>UREA</b> _____	<b>UUREA</b> _____
<b>Q 9.2a.</b> What is the price of <b>urea</b> in this area? (record the price and unit of measure)	(Ksh):	<b>PUREA</b> _____	
<b>(Instruction:</b> Do not ask this question if the unit given for urea is a 50 kg bag.)	(Ksh):	<b>NPK</b> _____	<b>UNPK</b> _____
<b>Q9.2b.</b> What is the price of a <b>50 kg bag</b> of <b>urea</b> in this area? (-9 = Do not know)	(Ksh):	<b>PNPK</b> _____	
<b>Q 9.3a.</b> What is the price of <b>NPK</b> in this area? (record the price and unit of measure)	(Ksh):	<b>CAN</b> _____	<b>UCAN</b> _____
<b>(Instruction:</b> Do not ask this question if the unit given for NPK is a 50 kg bag.)	(Ksh):	<b>PCAN</b> _____	
<b>Q 9.3b.</b> What is the price of a 50 kg bag of <b>NPK</b> in this area? (-9 = Do not know)	(Ksh):		
<b>Q 9.4a.</b> What is the price of <b>CAN</b> in this area? (record the price and unit of measure)	(Ksh):		
<b>(Instruction:</b> Do not ask this question if the unit given for CAN is a 50 kg bag.)	(Ksh):		
<b>Q 9.4b.</b> What is the price of a 50 kg bag of <b>CAN</b> in this area? (-9 = Do not know)	(Ksh):		

**Q 9.5a.** 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 9.5b.** What is **the price of a 2 kg packet of sifted maize flour in this area?** (-9 = Do not know) (Ksh): **PSIFTED**\_\_\_\_\_

**Q9.6** What is Posho mill charge for 1 gorogoro (2.25 kg) of maize into **straight run 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

**LAND MARKETS**

**Q10** Did this household purchase or sell land in the **past 10 years** (since 1999)? (1=yes 2=no **if no, skip Q10b**): **LANDPS**\_\_\_\_\_

**Q10a.** Please indicate the type of land transactions that the household was engaged in the table below.

**Filename: landmkt10.sav** (Key variables: *hhid, pid*)

Parcel #	Bought or sold the plot 1=purchased 2=sold	Size in acres	Year of purchase /sale	Value of transaction at that time	Current market value of land <b>now</b> if sale were to take place today	If purchased ( <i>transc=1</i> ), how is the plot used? 1=Agricultural 2=Non - agricultural 3=Both	If ( <i>purpose=1 or 3</i> ), did you use it for cropping activities in the last cropping year? 1=Yes 2=No	What was the main reason for...?		Was it bought/sold with title deed? 1=Yes 2=No	Is the parcel adjoining any of your other land properties? 1=Yes 2=No	Distance from the motorable road <b>(km)</b>	Distance from the nearest imporant water source <b>(km)</b>	Slope of the parcel 1=Flat 2=Steep slope 3=Steep terrace 4=Moderate slope 5=Moderate terrace
								Purchasing	Selling					
pid	transc	acres	year	pusalval	curval	purpose	cropping	pureas	salreas	title	adjoin	distroad	distwter	slope

**Purchase reasons (Pureas codes)**

1=Fertile soil  
 2=Good climate for agriculture  
 3=Insecurity  
 4=More land to farm  
 5=Cheap  
 6=Other (specify) \_\_\_\_\_  
 7=To build rental households  
 8=To build to live on  
 9=Agriculture other than crops  
 10=Investment-inheritance  
 11=Building a business

**Sale reasons (Salreas codes)**

1=Needed money  
 2=Insecurity  
 3=Poor quality  
 4=Good price  
 5=Other specify  
 6=Buy another farm  
 7=Family conflict

**Q10b.** Has land been **forcefully taken away** from this Household in the last **10 years**(1=Yes) (2=No) **LDTAKE**\_\_\_\_\_

**Q10c.** What is the **land rental rate for one acre of good quality agricultural land for one year** in this area? (Ksh per acre): **LRRY** \_\_\_\_\_

**Q10d.** What is the **land rental rate for one acre of good quality agricultural land for one season** in this area? (Ksh per acre):

**LRRS** \_\_\_\_\_

**Q10e.** Is it possible to borrow land in this area? (1=Yes 2=No 3=don't know)

**LNDBOROW** \_\_\_\_\_

**LIVESTOCK**

**Q11.0** Did you have any **livestock** in the period June 2009 to May 2010? (1=Yes) (2=No go to Q11.2)

**LSTOCK** \_\_\_\_\_

**Q11.1** If **YES**, Please tell us about your *livestock* activities over the period **June 2009 to May 2010**.

**Filename: livestock10.sav** (Key variables: *hhid, livecode*)

Livestock code		Number owned (include livestock kept by others) May 2010	Current average value (Ksh)	Number owned June 2009	Number purchased	Unit price at purchase (Ksh)	Standard ized value of purchase	Number received as donation/ dowry	Number consumed/ slaughtered	Number given out as donation/ dowry	Number stolen/ died	Number sold	Average unit price when sold (Ksh)	Standard ized value of sales	Net value of sales - purchases
livecode		may10	curval	numown	purch	uprice	vpurch	recdon	consume	givdon	stolen	sold	avgpric	vsold	vsoldnet
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**

**Q11.2** On average, how much milk, does this household **consume per day**, whether from **own production, purchases or receipts?**

**MLKCON** \_\_\_\_\_

**Q11.3** Did this household produce any **cow milk during June 2009 to May 2010?** (1=Yes) (2=No -> go to Q11.4)

**MLKPRD** \_\_\_\_\_

**Filename: cowmilk10.sav** (Key variables: hhid, milk)

		Avg no of animals producing milk	<b>Total Quantity produced and sold in each month (in litres)</b> Between June09 and May 2010											Buyer type of largest sale 1=cooperative societies 2=KCC 3=private processors /traders 4=hawker /informal trader 5=institutions/hotels 6=consumer /neighbor /farmer 7=other , specify _____ 8=large trader	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 buyer available 3=nearest buyer 4=buyer offers credit 5=reliable 6=other, specify _____ 7=pays in lump sum 8=to pay school fees 9=small quantities produced 10=prompt payment	
Product	milk	cow	jun09	jul09	aug09	sep09	oct09	nov09	dec09	jan10	feb10	mar10	apr10	may10	buyer	price	km	whybuyr
Cow milk produced	1																	
Fresh cow milk sold	2																	
Sour cow milk sold	3																	

**Q11.4 Other livestock products produced during the period June 2009 to May 2010**

**Filename: liveprod10.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 _____	Value of production	Value of sales
				2=kgs 3=litres 22=trays 5=numbers 1=90 kg bag	14=wheelbarrow 15=cart 16=canter 17=pickup						
liveprod	animprod	mnthprod	avgprod	unit	mnthsold	qtysold	price	buyer	vprod	vsales	
Goat milk	8										
Camel milk	4										
Honey	3										
Eggs(excluding hatched)	2										
Hides and skin	5										
Fish (if have fish pond)	7										
Wool	9										
Manure (only if sold)	10										
Other, specify _____	6										

Additional variables are: dist – district code.



**EXTENSION and GROUP PARTICIPATION**

**Q14a.** Did you **actively seek advice** on crop or livestock between **June09 to May2010**? (1=Yes) (2=No go to Q14c) **SEEKADV** \_\_\_\_\_

**Q14b. 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\_\_\_\_\_)

**Q14c. 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=don't need extension service 6=other, specify \_\_\_\_\_ 7=not interested 8=was ill )

**Q14d.** Are you paying for **extension services**? (1=Yes go to 14f) 2=No) **PAYSERV** \_\_\_\_\_

**Q14e.** If **extension services** in general were to be availed at a fee, would you be **willing to pay**? (1=Yes) (2=No go to Q14g) **AVAILFEE** \_\_\_\_\_

**Q14f.** 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:

**Filename: extension10.sav** (Key variables: hhid, serv)

Type of technology	Service	Individual	If indiv=14, ask how much	Other people	If others =14, ask how much	Group of 20 Members	If grp20 =14, ask how much	14= Above 320, specify the amount												
								serv	indiv	othindiv	others	othoth	grp20	othgrp20						
Dairy production	1																			
Maize production (fertilizer and seed use)	2																			
Horticultural production	3																			
Food and nutrition	4																			
Cash crop production	5																			
Bee keeping	6																			
Poultry production	7																			
Poultry and honey production	8																			
Sorghum production	9																			
Environmental conservation	10																			
Business management	11																			
Biogas production	12																			

13 = Ksh 320  
 12 = Ksh 280  
 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 or down depending on response)  
 4 = Ksh 80  
 3 = Ksh 60  
 2 = Ksh 40  
 1 = Ksh 20  
 0= Cannot pay for this specific service

**Q14g.** 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\_\_\_\_\_)

**Q14h.** Is anyone in this household a **member** of any **co-operative or group or out-grower group**? (1=Yes) (2=No go to Q15) **GRPMEM** \_\_\_\_\_

**Q14i.** If Q14h=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** \_\_\_\_\_)

**Q14j.** 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** \_\_\_\_\_  
 7=Dairy goat placement 8=Buying household items ) **SERV3** \_\_\_\_\_



**Q16 ADDITIONAL ADULTS AND CHILDREN NOW RESIDENT BUT NOT LISTED IN 2007**

Filename: demogA10.sav (Key variables: hhid, mem)

Reference Period: June 2009 to May 2010

ID	Name	In which year was this person born?	Age (2010-ad01)	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 June 2009 to May 2010 has this person been living at home?	Was ..... a member of this hh in 2007? 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		Has this person been chronically ill for any 3 consecutive month period in the last 12 months and unable to perform hh duties? 1= Yes 2= No
													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 June 2009 & May 2010? 1=Yes 2=No	Did this person receive cash or payment in kind from salaried employment, wage activities, remittances, or pensions between June 2009 & May 2010? 1=Yes 2=No	
mem	name	ad01	age	ad02	ad03	ad04	ad05	ad06	ad07	ad08	ad09	ad10	ad11	ad12	ad13	ad14	ad15	ad16
91																		
92																		

**Relationship to head (ad03)**

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

**Marital Status (ad04)**

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

**Education levels (ad06)**

- 99=don't
- 9=None
- 0=nursery
- 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
- 11=form 3
- 12=form 4
- 13=form 5
- 14=form 6
- 15= college
- 16= college
- 17= college
- 18= college

**New HH member (ad10)**

- 1=married into the family
- 2=returned to hh to help with hh activities
- 3=returned to the hh because he/she is sick
- 4=hh member missed during 2007 survey
- 5=lost parents (orphaned)
- 6=fostered
- 8=worker
- 9=attend school
- 7=specify, other\_\_\_\_\_
- 10=separated/divorced
- 11=death of spouse
- 12=ran away from home
- 13=lost job
- 14=inherited household
- 15=live with relatives
- 16=born
- 17=displayed by PEV (post election violence)

**MORTALITY: Reference Period is since 2007**

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 2007. We appreciate your responses.

**Q17.0** Since 2007, has there been any household member who has died? (1=Yes) (2=No go to Q18)

**MEMDIED** \_\_\_\_\_

**Q17.1** If 17.0 =Yes, could you tell us about them starting from the most recent.

**Filename: mortality10.sav** (Key variables: hhid, pdmem) **Reference Period: Since July 2007**

Person ID	If this person is listed in the DEMOG table, indicate his or her id number (mem). -889=no member number	Write the Name	Sex 1=Male 2=Female	Relationship to the current 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(e.g. epilepsy)
- 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 complications
- 27=Kwashiorokor
- 28=Miscellaneous illness
- 29=Alcohol
- 30=Typhoid
- 31=Cholera
- 32=brucellosis

- 33=liver cirrhosis
- 34=tetanus
- 35=malnutrition
- 36=goitre
- 37=jiggers
- 38=food poisoning
- 39=arthritis
- 40=hepatitis
- 41=ulcers
- 21 = Other, specify \_\_\_\_\_

**Relationship to head (pd02)**

- 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 (pd06)**

- 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

**Q18 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 (June 2009-May 2010) (include jua kali and farm kibaruas). **(Probe for charcoal burning, fishing and own tree selling)**

**Filename: business10.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			Total business income		
			0=none			1=low			2=average			3=high			# mon	lgross	lcost	# mon	agross	acost	# mon	hgross	hcost			
			6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10											low	high
name	mem	activity	jun	jul	aug	sep	oct	nov	dec	jan	feb	mar	apr	may	low	lgross	lcost	med	agross	acost	high	hgross	hcost	totbus		

**Activity Codes:**

- |                                |                                 |                           |                              |                         |                                |
|--------------------------------|---------------------------------|---------------------------|------------------------------|-------------------------|--------------------------------|
| 58 Accounting clerk            | 8 Charcoal burning              | 16 Harrowing              | 23 Matatu business           | 29 Rental of properties | 35 Timber trading              |
| 1 Agricultural trading         | 78 Choir master                 | 70 Harvesting             | 24 Mining                    | 30 Retail               | 59 Tour guide                  |
| 76 Athlete                     | 9 Clothes/shoes business        | 17 Hawker                 | 41 Medical health business   | 86 Road construction    | 36 Tout/turnboys               |
| 46 Bar operator                | 51 Cobbler                      | 57 Hiring out a bull      | 74 Non-agricultural business | 53 Sand harvesting      | 37 Traditional doctor          |
| 64 Battery charging            | 10 Curio trader                 | 73 Hotel                  | 54 Nurse                     | 43 School business      | 38 Transporter (goods)         |
| 2 Bicycle (repair/transporter) | 11 Dealing ropes/sisal/firewood | 81 Hunter                 | 68 Pet breeder               | 31 Selling mandasi      | 55 Tree seller, commercial     |
| 60 Boat making                 | 12 Driver                       | 18 Jaggery                | 84 Phone charger/charging    | 32 Selling water        | 52 Vehicle mechanic            |
| 77 Book seller                 | 13 Earning dividends            | 82 Jua kali               | 25 Photography               | 69 Sheep shearer        | 45 Veterinary doctor           |
| 3 Brick making                 | 14 Electrician                  | 49 Laundry business       | 63 Pit latrine digger        | 89 Sitting allowance    | 67 Video business              |
| 4 Brokerage                    | 72 Income from another farm     | 19 Livestock trader       | 26 Planting                  | 33 Spraying             | 56 Village elder               |
| 62 Building                    | 7 Farm kibarua                  | 20 Local brewing          | 27 Ploughing                 | 50 Surveyor             | 39 Weaving                     |
| 5 Butcher                      | 15 Fish trading                 | 42 Lumbering/wood cutting | 47 Plumber                   | 34 Tailor               | 40 Welding/painting/blacksmith |
| 6 Carpentry                    | 44 Hair dresser / barber        | 21 Making pots            | 85 Pool table business       | 65 Teacher, part time   | 66 Wine tapper                 |
| 75 Casual worker               | 80 Hardware                     | 22 Masonry                | 28 Posho miller              | 61 Thatching grass      | 71 Other, specify_____         |

**Q19 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 **June 2009 to May 2010** including **pensions and remittances. For remittances remember to separate into local and from abroad, depending on source.** Include only income remitted back to household.

**Filename: salwg10.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>												Total salary for the year
					6/09	7/09	8/09	9/09	10/09	11/09	12/09	1/10	2/10	3/10	4/10	5/10	
Name	mem	activity	mnwage	samewage	jun	jul	aug	sep	oct	nov	dec	jan	feb	mar	apr	may	total

**Employment Codes:**

- |                         |                      |                       |                     |                              |                               |                               |                      |
|-------------------------|----------------------|-----------------------|---------------------|------------------------------|-------------------------------|-------------------------------|----------------------|
| 38 Accountant           | 20 Civil leader      | 5 Doctor              | 7 House help        | 28 Messenger                 | 59 Postmaster                 | 57 Soldier                    | 26 Veterinary doctor |
| 50 Administrator        | 23 Cleaner           | 40 Electrician        | 8 Industrial worker | 60 Miller                    | 69 Public health officer      | 62 Sports/coach               | 16 Waiter/cook       |
| 18 Banker/receptionist  | 3 Clerk              | 36 Engineer           | 33 Lab attendant    | 9 Nurse                      | <b>12 Remittance (local)</b>  | 70 Stock broker               | 17 Watchman          |
| 67 Bursary              | 35 Committee member  | 56 Equipment operator | 58 Lawyer           | 27 Pastor/religious services | <b>65 Remittance (abroad)</b> | 29 Subordinate civil services | 43 Welding           |
| 44 Butcher              | 25 Conductor         | 46 Extension agent    | 21 Lecturer/tutor   | 10 Pension                   | 63 Research                   | 32 Surveyor                   |                      |
| 1 Cane cutter           | 51 Construction      | 52 Fishing            | 30 Lumber           | 64 Petrol seller             | 22 Road constructor           | 41 Tailor                     |                      |
| 55 Caretaker/groundsman | 49 Cook/caterer      | 61 Forester           | 19 Manager          | 68 Pharmacist                | 13 Sales person               | 14 Tea picker                 | 42 Other (specify)   |
| 34 Carpenter/mason      | 45 Craftsman/artisan | 6 General farm        | 66 Matron           | 53 Plumber/battery           | 31 Secretary                  | 15 Teacher                    | _____                |
| 2 Chief                 | 4 Driver             | 47 Hair dresser/salon | 39 Mechanic         | 11 Policeman/woman           | 24 Shop keeper/attendant      | 54 Technician                 |                      |

**19a. What were the two main sources of the remittances?**

REMIT1\_\_\_\_\_ REMIT2\_\_\_\_\_

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

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

MREMIT\_\_\_\_\_

(1= Hand delivery 2=Bus 3=Western union 4=Posta pay 5=Money gram 6=M-pesa 7=Zap 8=Telegraphic money Order 9= Postal Order 10=Courier 11= yuCash 12=Other, specify\_\_\_\_\_)

**ACCESS TO RURAL SAVINGS/BANK ACCOUNTS**

**Q20a.** Does any member of the household have a savings/bank account

**Enumerator to probe for all savings accounts including cooperatives, ROSCAs e.t.c for all hh members)** (1=Yes) (2=No go to 21) **ACCOUNT** \_\_\_\_\_

**Q20b.** Fill the details for the accounts held by the hh members

**Filename: savings10.sav** (Key variables: hhid, mem, saves, acopen)

Person with the account	Member number (from the demog file)  0=joint acount	Where is the savings account		Which year did you open the account  -9=don't know	Relationship to head (merged from demog file)			Km to Banking point
		1= Post bank 2 =SACCO 3=Commercial Bank 4=MFI	5=Groups (ROSCAs) 6=Village bank 7=Phone banking 8 = other, specify_____		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 12=brothr/sister-in-law	
Not entered	mem	saves		acopen	da03			kmbank
Head								
Spouse								
Joint								
Other1								
Other2								
Other3								

**Q21 PURCHASES FOR HOME CONSUMPTION between June 2009 and May 2010**

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

Filename: purch10.sav (Key variables: hhid, purch)

Purchased Products	About how much did you buy over the past 4 months – February 2010 - May 2010?				Price per Unit	About how much did you buy between October 2009 and January 2010?				Price per Unit	About how much did you buy between June 2009 and Sept 2009?				Price per Unit	Complete only if the respondent cannot answer by 4 month periods				Total kgs purchased for the year	Main source of this staple purchased by the house hold			
	purchase	qty1	unit1	kgc unit1	kg1	price1	qty2	unit2	kgc unit2	kg2	price2	qty3	unit3	kgc unit3	kg3	price3	totqty	totunit	kgt unit			kg12	totprice	totkg purch
Cash or barter - maize grain	1																							
gift/relief-maize grain	2																							
Packaged sifted maize meal	3																							
Posho meal	4																							
Wheat flour	5																							
Rice	6																							
Cassava	7																							
Sweet potato	8																							
Millet	9																							
Sorghum	10																							
Irish potatoes	11																							
Cooking bananas	12																							

Each of the quarters also has a variable for price per kg (pkg1, pkg2, pkg3, pkgtot).

**Unit Codes (unit1, unit2, unit3, totunit):**

- 1= 90 kg bag
- 11= 50 kg bag
- 2=kg
- 6=Bunches
- 9=gorogoro
- 12=debe
- 18=2 kg packet
- 8 = 10 kg bag
- 7 = 25 kg bag
- 19 = 1 kg packet
- 20 = 5 kg bag

**Source- (purchase location codes)**

- 1=Large Supermarket Chains (Uchumi, Nakumatt, Ukwala, Tuskys)
- 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/Farmer
- 9=Restaurant
- 10=Institutions
- 11= Poshomill
- 12= Other, specify\_\_\_\_\_

**CLIMATE CHANGE**

**Q22a** Do you feel that there have been any changes **between now and 10 years ago** with regards to rainfall patterns  
 1=Yes 2=No (**go to Q22c**) 3=Don't Know

**RAIN10**\_\_\_\_\_

**Q22b.** If Q22a=Yes in what ways has the rainfall pattern changed?

**RPCHANGE**\_\_\_\_\_

(1=Increased amount 2=decreased amounts 3=timeliness 4=other specify\_\_\_\_\_ 5=fluctuates)

**Q22c.** Do you feel that there have been any changes **between now and 10 years ago** with regards to Temperature

**TEMP10**\_\_\_\_\_

(1=Yes 2=No (**go to Q22e**) 3=Don't Know )

**Q22d.** If Q22c=Yes in what ways has the temperature changed? (1=Increased 2=decreased 4=other specify\_\_\_\_\_ 5=Fluctuating)

**TPCHANGE**\_\_\_\_\_

**Q22e** Please, fill the following table if the household responds **yes to Q22a or 22c above**.

**Filename: climate10.sav** (Key variables: *hhid, weather*)

Weather Pattern	Has this affected your farming? <i>1=Yes 2=No</i>	If yes, how has it affected your farming? <i>(Give three reasons)</i>			Have you adopted any measures to deal with this change <i>1=yes 2=No</i>	If yes, which measures are you using?			If not, why are you not using any measures	Did the household require any assistance in the adoption measures <i>1=Yes 2=No</i>	Main source of support that was most useful	
		<b>weather</b>	<b>affct</b>	<b>affct1</b>		<b>affct2</b>	<b>affct3</b>	<b>adptn</b>				<b>adpt1</b>
Rainfall	1											
Temperature	2											

**Effect on farming (affct1, affct2, affct3)**

**Adoption Measures (adpt1, adpt2, adpt3)**

- Negative**  
 1=Decline in yields  
 2=Difficult to time seasons  
 3=Increased weeds  
 4=Increased pests  
 5=Increased diseases  
 6=Decrease in land quality  
 15=Too much rain destroys crops in field  
 16=Decline in livestock pasture

- Positive**  
 7=Increase in yields  
 8=Good timing of seasons  
 9=Reduced weeds  
 10=Reduction of pests  
 11=Reduction of diseases  
 12= Increase in land quality  
 13=other, specify\_\_\_\_\_  
 14=Crops mature faster

- 1=Changing crop varieties  
 2= Planting trees  
 3= Harvesting water  
 4=Used soil & water conservation measures  
 5= Irrigation  
 6= Other Specify\_\_\_\_\_  
 7= Use of chemicals  
 8= Change timing of planting  
 9= Use of ashes to treat grain  
 10= Plant more crops or more often  
 11= Better land preparation methods  
 12= Better storage  
 13= Keep livestock, grow feed  
 14= Proper timing of harvest  
 15= Bought more land

**Whynot codes**

- 1=Expensive/lack money  
 2=Shortage of labour  
 3=Don't know what to do  
 4=Other specify\_\_\_\_\_  
 5=Act of nature  
 6=Effect is desirable, no need to take adaptive measures  
 7=No need

**Main source of help (adsorce)**

- 1=Family and friends  
 2=Media  
 3=Government aid  
 4=NGO aid  
 5=Religious group  
 6=Others (specify)\_\_\_\_\_  
 7=Farmer group  
 8=Input dealer

**Q22f.** List any practices you know of that can lead to changes in rainfall patterns and temperature.

**FARMPR1** \_\_\_\_\_ **FARMPR2** \_\_\_\_\_ **FARMPR3** \_\_\_\_\_ **FARMPR4** \_\_\_\_\_

FARMPR1, FARMPR2, FARMPR3, FARMPR4 codes			
1	Afforestation	19	Soil and water conservation
2	Air pollution	20	Uncontrolled cutting of trees
3	Burning of vegetation	21	Use of chemicals
4	Carbon emissions	22	Cultivating water catchments, near waterways, wetlands
5	Charcoal burning	23	Making terraces
6	Deforestation	24	Overgrazing
7	Destroying forests	25	Water harvesting
8	Don't know	26	Mulching
9	Pollution - industrial	27	Soil erosion
10	Industrialization	28	Environmental degradation
11	Irrigation	29	Pressure on natural resources
12	Nothing	30	Global warming
13	Over cultivation	31	Building dams - distribution of dams
14	Over population	32	Cultivating steep areas
15	Eucalyptus planting	33	Use of manure
16	Planting trees	34	Pollination of planting
17	Poor farming practices	35	Farming far from river banks
18	Reforestation	36	Dumping waste into water

**POST ELECTION VIOLENCE**

**Q23a.** Was your household affected by the 2008 post-election violence? (1=Yes 2=No (*Skip to Q24a*))

PEV\_\_\_\_\_

**Q23b.** How was the households affected by the violence? (1=directly 2= indirectly (*go to Q23d*) 3= both directly and indirectly) **HOW**\_\_\_\_\_

**Q23c.** *If directly affected, please answer the following questions*

**Filename:** pev10.sav (*Key variable hhid, defft*)

How were you directly affected?	If direct <i>effect=1</i> Kilometeres covered to household to relocate?	If direct <i>effect=2</i> or 3, how many were they?	If effect=4,5,6 or 7, Value of property lost in Ksh	Were you compensated for this loss? 1=yes 2=No 3=Partially	<b>Defft codes</b> 1=displaced 2=lost family member 3=injury to HH members 4=property destroyed 5=crops destroyed 6=lost livestock 7=lost property 8=other specify	9=closed business 10=cost of picking tea went up 11=victimized by neighbors
defft	dkm	dnum	dval	compsn		

**Q23d.** If indirectly affected what were the ***three main*** effects **INDIREC1**\_\_\_\_\_ **INDIREC2**\_\_\_\_\_ **INDIREC3**\_\_\_\_\_ ( 1=Hosted IDPs 2=supported IDPs 3=disruption of produce market 4=high commodity prices 5=disruption of schooling 6=general insecurity 7=disruption of transport 8=heighten land insecurity 9=farming delayed 10=relative property destroyed )

**CELL PHONE USAGE**

**Q24a.** If a member of this household owns a mobile phone, skip to table): If a member of this household *does not own* a **mobile phone**, do you **have access** to one (that you can use)? (1=Yes 2=No) **MOBACC** \_\_\_\_\_

**Q24b.** If Yes, from **whom do you access the mobile?** (1=neighbour 2= relative 3=Other, specify\_\_\_\_\_ 4=public phone) **ACCMOB** \_\_\_\_\_

**Q24c** Please fill the table if the household has access to a mobile phone from any source.

**Filename: cellphone10.sav** (Key variables: *hhid, usephone*)

Type of use of mobile phone		Has anyone in your hh used a phone for this purpose during .....(1=yes, 2=no)		Please rate the importance for your hh of this use of a mobile phone 1=not important 2=important 3=very important
		Past month	Past 12 months	
	<b>usephone</b>	<b>usemonth</b>	<b>useyear</b>	<b>phonimp</b>
Staying in contact with <b>family and friends</b>	1			
To gather information about farm produce prices	2			
To locate buyers for your farm products	3			
To assist in running your <b>own non-farm business</b>	4			
To <b>send or receive money</b>	5			
To <b>get extension information</b> from the provider	6			
Other uses (please list)	7			
Gather information about farm input prices	8			

**Q25 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.)

Filename: **asset10.sav** (Key Variables: *hhid, asset*)

Agricultural asset		Quantity	Value per Unit (Ksh)	If Value/Unit not known Ask for Total Value	Total value of assets (Ksh)	Agricultural asset		Quantity	Value per Unit (Ksh)	If Value/Unit not known Ask for Total Value	Total value of assets (Ksh)
asset		qty	value	totval	assetval	asset		qty	value	totval	assetval
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	chaff 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				
77	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	<b>other (specify)</b>				
20	spray pump					63	poshomill				
51	water trough					64	Sewing/knitting machine				
73	boat / dhow					72	Biogas				
76	wheelchair					74	electronics				
65	Milking equipment					75	pay phone				
69	Dry cleaner					67	fish pond				
68	gas cooker					70	pool table				

**INFRASTRUCTURE**

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

**Q26. Distances from your homestead**

- a) What is the distance from your homestead to the nearest **fertilizer seller (km)**?
- b) How much does it cost to transport a 50 kilo bag of fertilizer from the nearest seller to homestead (Ksh)?
- c) With what type of transport from seller to homestead?  
(1=car, 2=bus, 3=matatu, 4=bicycle, 5=ox cart 6=other specify\_\_\_)
- d) What is the distance from your homestead to the nearest seller of **hybrid maize seed (km)**?
- e) What is the distance from your homestead to the nearest **NCPB** depot (km)? (-9=don't know; skip to h – *this skip was not always followed and some people did respond to “f” and “g”.*)
- f) Did this household **sell any maize to NCPB** in the period June 2009 to May 2010? (1 =Yes) (2=No)
- g) If **f=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\_\_\_\_\_)
- h) What is the distance from your homestead to **extension advice (km)**?
- i) What is the distance from your homestead to **veterinary help (km)**?
- j) What is the distance to the nearest **A.I** service provider (km)?
- k) What is the distance from your homestead to the nearest **market place for farm produce (km)**?
- l) What is the distance from your homestead to a **motorable road (km)**?
- m) What is the distance from your homestead to a **tarmac road (km)**?
- n) Is the nearest **tarmac** road better, worse or the same as in 2007?  
(1=better 2=worse 3=the same 4=not sure)
- o) What is the distance to the nearest **piped water source (km)** ?
- p) What is the distance to the nearest **health centre (km)**?
- q) What is the distance to the nearest **electricity supply (km)**?
- r) What is the distance from your homestead to the nearest **livestock market place (km)**? (-9=don't know)
- s) What is the distance to the nearest **public telephone** (landline or mobile)? (km)
- t) How much does it cost to transport one 90 kilo bag of maize to the nearest town (Ksh)?
- u) With what type of transport from your homestead to the nearest town ? (1=car, 2=bus, 3=matatu, 4=bicycle, 5=oxcart 6=Other specify\_\_\_ 7=boat 8=donkey 9=lorry 10=motorcycle 11=tractor 12=wheelbarrow )
- v) What is the distance to the nearest **town or headquarters**? (km)

- FERTSKM** \_\_\_\_\_
- FERTRANS** \_\_\_\_\_
- TRANTYPE** \_\_\_\_\_
- CERTMAIZ** \_\_\_\_\_
- NCPB** \_\_\_\_\_
- NCPBBUY** \_\_\_\_\_
- NCPBNOT1** \_\_\_\_\_
- NCPBNOT2** \_\_\_\_\_
- DEXTN** \_\_\_\_\_
- DVET** \_\_\_\_\_
- AIKM** \_\_\_\_\_
- MKTKM** \_\_\_\_\_
- DMTROAD** \_\_\_\_\_
- DTMROAD** \_\_\_\_\_
- CTMROAD** \_\_\_\_\_
- DPH2O** \_\_\_\_\_
- DHLTCTR** \_\_\_\_\_
- DELECT** \_\_\_\_\_
- ANIMKT** \_\_\_\_\_
- DTELEP** \_\_\_\_\_
- MZTRANS** \_\_\_\_\_
- MZTRATYP** \_\_\_\_\_
- DISTOWN** \_\_\_\_\_

**FOOD SECURITY**

**Q27a.** In the **last 12 months**, for how many months has the household relied **entirely on Relief food**? **RELIEF** \_\_\_\_\_

**Q27b.** 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 \_\_\_\_\_ )

**Q27c.** In the **last 12 months**, have you participated in a cash transfer program, either for senior citizens, orphans, or food security? **TRANSF** \_\_\_\_\_  
(1 =Yes 2=No)

**Q27d** If 27c=yes, what was the amount and frequency (number of times) of transfer? **AMTTR1**\_\_\_\_\_ **TRAFREQ**\_\_\_\_\_

**STORAGE FACILITIES FOR STAPLES**

**Q28a.** Do you have a store for **grains**? (1=Yes 2=No (Go to **Q 29a**)) **GSTORE**\_\_\_\_\_

**Q28b.** What type of store and capacity do you have? **STORET1**\_\_\_\_\_ **CAPACIT1**\_\_\_\_\_ **SUNIT1**\_\_\_\_\_  
**STORET2**\_\_\_\_\_ **CAPACIT2**\_\_\_\_\_ **SUNIT2**\_\_\_\_\_

**Store type codes:** (1=Improved store 2=Traditional store 3=Room in the main house 4=Room in other houses )

**Unit codes :** (1=90kg bag 11=50kg bag 10=tons )

**Q28c.** Did you use any of your stores to store grains during the **2009/2010** cropping year? (1=Yes 2=No (Go to **Q 29a**)) **STORED**\_\_\_\_\_

**Q28d.** If **yes to Q 28c**, indicate the **grains** you stored, the duration (**no. of months**) of storage and any storage losses that you incurred?

**Filename: store10.sav** (Key variables: *hhid, store, grain*)

<b>Unit codes:</b> 1=90 kg bag 2=kgs 7=25kg bag 8=10kg bag 9=gorogoro (2kg tin) 10=tones 11=50 kg bag 12=debe (18kg tin)	<b>Type of store</b> 1=Improved 2=Traditional 3=Room in main house 4=Room in other houses	<b>Type of Grain stored (Use crop codes)</b>	<b>Quantity stored</b>		<b>Month in which the grain was stored.</b>	<b>Month most of the grain was out of store. (1=Jan..12=Dec -13=most still in store)</b>	<b>Quantity lost in storage (in stunit)</b>	<b>Main cause for storage losses</b>	<b>Cause for storage losses</b> 1=storage pests 2=rotting 3=sprouting 4=theft 5=other (specify)____
			<b>Quantity</b>	<b>Unit</b>					
	<b>store</b>	<b>grain</b>							

**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\_\_\_\_\_ 5=tent-canvas )

**ROOF** \_\_\_\_\_

**Q29b.** What is the **wall** material of the **main house**?

(1=mud 2=bricks/stones 3=iron sheet 4=wood 5=plaster 6=other, specify\_\_\_\_\_ 5=tent-canvas)

**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** \_\_\_\_\_

*Thank You!*