

**Egerton University - Tegemeo Institute/MSU
Rural Household Survey 2000**

Household No. _____

HHID

Date: _____

SURDATE

HH Name _____

Respondent(s) _____

Identifying Variables:

Enumerator: _____

ENUM

Province: _____ District: _____ Division: _____

Location: _____ Sub-Location: _____ Village: _____

Tumetoka chuo kikuu cha Egerton na tunafanya utafiti juu ya kilimo. Tunanua kujua namna ya kupanua bei, uuzaji wa mazao na ununuzi wa mahitaji ya kilimo kwa wakulima. Pia tuna lengo la kutaka kujua kama soko huru imesaidia au imedhuru uwezo wa wakulima kuuza na kununua vyakula, na namna ya kuongeza ukuuzaji wa mimea ya kuuza. Tutashukuru sana kwa usaidizi utakao tupa. Majibu yako kwa maswali tutakayouliza yatakuwa SIRI KABISA. Nyumba 1500 zitaulizwa maswali haya na yale matokeo tutakayotoa yatajumlisha majibu kutoka kwa hizi nyumba zote wala sio kwa hii nyumba moja tuu.

IS THIS HOUSEHOLD PART OF THE 1997 SAMPLE OR IS IT A REPLACEMENT?

_____ **SAMPLE**

1 =1997 sample

2 =Replacement

IF THE 1997 HOUSEHOLD IS NOT ABLE TO PARTICIPATE IN THE SURVEY, WHY NOT?

_____ **INTVIEW**

1 = household dissolved

2 = moved from area

3 = refused

4 = non-contact

5 = other

(Date Modified: 6/9/2000)

Q1. CROP INVENTORY (FIELD CROPS, FRUIT TREES, AND VEGETABLES:

incrop00.sav Key Variables: hhid, crop

- We would now like to find out what field crops, tree crops, and vegetable crops you produced for all harvests for this past year, the 1999/2000 year

Field Crop=1		Did you <i>produce</i> this crop during either main or small harvest? 0=no 1=yes		Vegetable=2		Did you <i>produce</i> this vegetable during either main or small harvest? 0=no 1=yes		Tree/Fruit Crop=3 Tcrop00.sav		How many <i>productive</i> trees do you own? 0=none <i>or</i> enter number	
Crop		Produce		Crop		Produce		Crop		NumProd	
<i>Enumerator: Prompt the respondent for each of these crops Enumerator: Prompt the respondent for each of these crops ... Enumerator: Prompt the respondent for each of these crops</i>											
beans	7			cabbage	93			Avocado	97		
cassava	28			carrot	94			Banana	10		
cowpeas	21			capsicum	67			Coffee	11		
Irish potatoes	27			chilies	131			Guava	72		
maize	1			indigenous vegg	140			Lemons	74		
millet	9			onions	96			mango	73		
sorghum	8			pumpkin	76			orange	75		
sugar cane	15			snow peas	90			passion fruit	137		
sweet potato	43			spinach	66			pawpaw	70		
wheat	13			sukuma wiki	64			pineapples	133		
yams	81			tomatoes	63			tea	12		
<i>Enumerator: probe for any other crops from this list, using the regional list of important cropsEnumerator: probe for any other crops from this list, using the regional list of important crops</i>											
arrowroots	44			brinjals	129			apples	119		
barley	60			cucumber	125			cashew nuts	24		
bulrush millet	169			French beans	25			coconuts	23		
caster oil	146			garlic onion	138			lugard	118		
corn flower	168			gourds	62			macadamia	135		
cotton	14			green peas	167			matomoko	120		
flowers	20			pepper	65			miraa	148		
fodder	22			squash	124			peaches	166		
greengrams	34			turnips	161			pears	134		
groundnuts	33			watermelon	69			plums	121		
mero	95							tree tomato	162		
nathi	165							wild berries	149		
njahi	147							trees, commercial	5		
pigeon peas	141										
pyrethrum	17										
rice	31										
sisal	16										
soyabeans	160										
sunflower	30										
tobacco	29										
white suppoise	163										

List of crops arranged alphabetically to be used with the next four tables to select a crop code:

apple	119	lemons	74	sukuma wiki	64
arrowroots	44	lugard	118	sunflower	30
avocado	97			sweet melon	68
		macademia	135	sweet potatoes	43
bananas	10	maize, dry	1		
barley	60	maize, green	2	tangerine	136
beans	7			tea	12
brinjals	129	mangos	73	tobacco	29
bulrush millet	169	matomoko	120	tomatoes	63
		mero	95	tree tomato	162
cabbage	93	millet	9	trees, commercial	5
capsicum	67	miraa	148	turnips	161
carrots	94				
cashews	24	nathi	165	watermelon	69
cassava	28	njahi	147	wheat	13
castor oil	146			white suppoise	163
chilies	131	oats	32	wild berries	149
coconuts	23	okra	77		
corn flower	168	onions	96	yams	81
coffee, mbuni	11	oranges	75		
coffee, cherries	6				
cotton	14	pawpaws	70		
cowpeas	21	passion fruit	137		
cowpeas leaves	19	peaches	166		
cucumber	125	pears	134		
		pepper	65		
eggplant	71	pigeon peas	141		
		pineapples	133		
flowers	20	plums	121		
fodder	22	pumpkin	76		
French beans	25	pyrethrum	17		
guava	72	rice	31		
garlic onion	138				
gourds	62	simsim	78		
greengrams	34	sisal	16		
green peas	167	snowpeas	90		
groundnuts	33	sorghum	8		
		soyabeans	160		
indigenous vegs	140	spinach	66		
Irish potatoes	27	squash	124		
		sugarcane	15		

Q2. MAIN CROP 1999/2000 (Eastern Kenya refers to Jan-March 2000 harvest, Western Kenya July/October 1999; R.Valley Nov/Dec 1999) Crop00.sav

Key Variables: *hhid, harvest, year, field, crop* harvest = 1 – main harvest; year = 4 – 1999/2000

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/comunal	Land prep type 1=manual 2=oxen 3=tractor	Land prep cost (Ksh)	Seed Type 1=Purch Hybrid 2=Ret Hybrid 3=OPV 4=local var 5=seedlings/cuttings	Quantity of seed used		1 st Fertilizer used			2 nd Fertilizer used			3 rd Fertilizer used			Harvest		Sales		Price received on largest sale (Ksh)	Buyer type: 1=small trader 2=large company 3=KTDA 4=coffee coop 5=NCPB 6=miller 7=coop 8=NGO 9=consumer	Amount planning to sell Use same unit codes	Was this crop affected by damage from any source? 0=none 1=Rain shortage 2=Floods 3=Crop disease 4=Insect damage 5=Animal/bird damage 6=Other	
							Qt	Unit	Type	Qt	Unit	Type	Qt	Unit	Type	Qt	Unit	Qt	Unit	Qt	Unit					Qt
Crop	field	acres	tenure	landprep	lpcost	sdtype	sq	sunit	ft1	fq1	fu1	ft2	fq2	fu2	ft3	fq3	fu3	hvt	Hunit	sold	slunit	price	buyer	tbsold	damage	

Unit codes:
 1=90 kg bag
 11=50 kg bag
 2=kgs
 3=litre
 4=crates
 5=numbers

6=bunches
 7=handfuls
 8=other
 9=gorogoro
 10=tonnes
 12=debe
 13=grams

Fertilizer codes:
 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

13=manure
 14=Foliar feeds
 15=NPK(23:23:23)
 16=NPK(20:10:10)
 17=DAP + CAN
 888=uncollected data
 889=not applicable

Q2a. MAIN CROP 1999/2000 (Eastern Kenya refers to Jan-March 2000 harvest, Western Kenya July/October 1999; R.Valley Nov/Dec 1999) Crop00.sav

Key Variables: *hhid, harvest, year, field, crop* harvest = 1 – main harvest; year = 4 – 1999/2000

Crop code	Field No.	Acres	Is this field 1=owned w/ deed 2=owned w/o deed 3=rented by parent/relative 5=government/comunal	Land prep type 1=manual 2=oxen 3=tractor	Land prep cost (Ksh)	Seed Type 1=Purch Hybrid 2=Ret Hybrid 3=OPV 4=local var 5=seedlings/cuttings	Quantity of seed used		1 st Fertilizer used			2 nd Fertilizer used			3 rd Fertilizer used			Harvest		Sales		Price received on largest sale (Ksh)	Buyer type: 1=small trader 2=large company 3=KTDA 4=coffee coop 5=NCPB 6=miller 7=coop 8=NGO 9=consumer	Amount planning to sell Use same unit codes	Was this crop affected by damage from any source? 0=none 1=Rain shortage 2=Floods 3=Crop disease 4=Insect damage 5=Animal/bird damage 6=Other				
							Qt	Unit	Type	Qt	Unit	Type	Qt	Unit	Type	Qt	Unit	Qt	Unit	Qt	Unit					Qt	Unit	Price	buyer

Unit codes: 1=90 kg bag 11=50 kg bag 2=kgs 3=litre 4=crates	5=numbers 6=bunches 7=handfuls 8=other 9=gorogoro 10= tonnes	12=debe 13=grams Fertilizer codes: 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 13=manure 14=Foliar feeds	15=NPK(23:23:23) 16=NPK(20:10:10) 17=DAP + CAN 888=uncollected data 889=not applicable
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Q3. SHORT CROP 1999/2000 (Eastern Kenya refers to July-Sept 1999 harvest, Western Kenya Nov-Jan 2000)

Crop00.sav Key Variables: *hhid, harvest, year, field, crop* **harvest** = 2 – short harvest; **year** = 4 – 1999/2000

Crop code	Field No.	Acres	Is this field 1=owned w/ deed 2=owned w/o deed 3=rented by parent/relative 4=owned by government/com munal	Land prep type 1=manual 2=oxen 3=tractor	Land prep cost (Ksh)	Seed Type 1=Purch Hybrid 2=Ret Hybrid 3=OPV 4=local var 5=seedlings/cuttings	Quantity of seed used		1 st Fertilizer used			2 nd Fertilizer used			3 rd Fertilizer used			Harvest		Sales		Price received on largest sale (Ksh)	Buyer type: 1=small trader 2=large company 3=KTDA 4=coffee coop 5=NCPB 6=miller 7=coop 8=NGO 9=consumer	Amount planning to sell Use same unit codes	Was this crop affected by damage from any source? 0=none 1=Rain shortage 2=Floods 3=Crop disease 4=Insect damage 5=Animal/bird damage 6=Other		
							Qt	Unit	Type	Qt	Unit	Type	Qt	Unit	Type	Qt	Unit	Qt	Unit	Qt	Unit					Qt	Unit
Crop	field	acres	tenure	landprep	lpcost	sdtype	Sqt	sunit	ft1	fq1	fu1	ft2	fq2	fu2	ft3	fq3	fu3	hvt	Hunit	sold	slunit	Price	buyer	tbsold	damage		

- Unit codes:**
 1=90 kg bag
 11=50 kg bag
 2=kgs
 3=litre
 4=crates
- 5=numbers
 6=bunches
 7=handfuls
 8=other
 9=gorogoro
 10= tonnes
- 12=debe
 13=grams
- Fertilizer codes:**
 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
 13=manure
 14=Foliar feeds
 15=NPK (23:23:23)
- 16=NPK (20:10:10)
 17=DAP + CAN
 888=uncollected data
 889=not applicable

Q3a. SHORT CROP 1999/2000 (Eastern Kenya refers to July-Sept 1999 harvest, Western Kenya Nov-Jan 2000)

Crop00.sav Key Variables: *hhid, harvest, year, field, crop* harvest = 2 – short harvest; year = 4 – 1999/2000

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/comunal	Land prep type 1=manual 2=oxen 3=tractor	Land prep cost (Ksh)	Seed Type 1=Purch Hybrid 2=Ret Hybrid 3=OPV 4=local var 5=seedlings/cuttings	Quantity of seed used		1 st Fertilizer used			2 nd Fertilizer used			3 rd Fertilizer used			Harvest		Sales		Price received on largest sale (Ksh)	Buyer type: 1=small trader 2=large company 3=KTDA 4=coffee coop 5=NCPB 6=miller 7=coop 8=NGO 9=consumer	Amount planning to sell Use same unit codes	Was this crop affected by damage from any source? 0=none 1=Rain shortage 2=Floods 3=Crop disease 4=Insect damage 5=Animal/bird damage 6=Other		
							Qt	Unit	Type	Qt	Unit	Type	Qt	Unit	Type	Qt	Unit	Qt	Unit	Qt	Unit					Qt	Unit

Unit codes:
 1=90 kg bag
 11=50 kg bag
 2=kgs
 3=litre
 4=crates

5=numbers
 6=bunches
 7=handfuls
 8=other
 9=gorogoro
 10= tonnes

12=debe
 13=grams
Fertilizer codes:
 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
 13=manure
 14=Foliar feeds
 15=NPK(23:23:23)

16=NPK(20:10:10)
 17=DAP + CAN
 888=uncollected data
 889=not applicable

HHID: _____

GREATEST QUANTITY OF PRODUCTION: (Use crop codes from page 3, use 0 = none.)

Q4a. In 1999/2000 which **food** crops gave you the **greatest quantity** (kg) of production *in order of importance*?

GRETPRD1 _____

GRETPRD2 _____

GRETPRD3 _____

GREATEST CASH INCOME: (Use crop codes from page 3, use 0 = none.)

Q4b. In 1999/2000 which **cash** crops gave you the **greatest income** *in order of importance*?

GRETINC1 _____

GRETINC2 _____

GRETINC3 _____

USE OF CREDIT, FERTILIZER AND HYBRID MAIZE SEED

Q6 Is anyone in this household a member of any co-operative or group?

GRPMEM _____
0 = No 1 = Yes

Q7 Did you purchase any fertilizer using **OWN** cash in the past year (1999/2000 season)?

PURFERT _____
0 = No 1 = yes 2 = not sure

Q8. If Q7 = yes (1), what types of fertilizer did you purchase with cash?

Tfert00.sav Key Variables: *hhid ferttype fertsrce punit*

Fertilizer codes: 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=REA(46:0:0) 11=SA(21:0:0) 12=Other 13=manure 14=Foliar feeds 15=23:23:23 16=20:10:10 17=DAP + CAN	Fertilizer type (select fertilizer codes from column on the left)	Fert. Source Source codes: 1=small trader 2=large company 3=KTDA 4=coffee coop 5=cooperative 6=farmer 8=NGO	Amount Purchased	Unit Type Unit codes: 11=50 kg bag 2=kgs 3=litre	Price per unit specified:
	FertType	FertSrce	NumPur	Punit	FrtpPrice

Q9. Did you **try to obtain** any **credit** (either cash or in kind) in 1999/2000? 0=no, 1=yes, 2=not sure

CREDTRY _____

Q10. If yes, for what purpose: 1=school fees, 2=medical, 3=household needs, 4=farming, 5=other _____

CREDWHY _____

CREDWHY2 _____

Q11. During 1999/2000 did you **receive** credit in cash or in kind? 0=no, 1=yes, 2=not sure

CREDRECV _____

HHID: _____

12. Did you receive *credit for agricultural production* (either cash or in kind) in the past 12 months (since June 1999)? ____ 0 = No, 1 = Yes

If yes, which inputs did you receive on credit? (**Enumerator Instructions:** if more than one fertilizer is mentioned, place each on a separate row but code both as fertilizer.) **Input00.sav** Key variables: *hhid, input*

Input type received or bought on credit		Type of Credit	Quantity Received/Bought	Unit of Input	Value of Input per Unit Specified	Credit Source		How is the credit repaid?
1=fertilizer 2=seed/seedlings 3=pesticide 4=insecticide 5=herbicide 6=plow 7=sprayer	8=other AT equip 9=land preparation 10=technical support 11=livestock drugs 12=livestock feed 13=other (specify)_____	1=cash credit 2=in kind		0=not applicable 1=90 kg bag 11=50 kg bag 2=kgs 3=litre 4=crates 5=numbers 6=bunches 7=handfuls 8=other 9=gorogoro (2 kg) 10=days of support		1=AFC 2=commercial bank 3=coffee co-op 4=KTDA 5=sugar company 6=local private trader	7=large company 8=NGO 9=informal money lender 10=friend/relative 11=other	1=crop revenue 2=livestock revenue 3=off farm income
Input		CredKind	AmtInput	InpUnit	InpValue	InpCred		InpPaid

Q13 How many bags of maize did you have in stock from your own production just before you began harvesting your 1999/2000 main season maize crop (Jan-March 2000 for East; July-Aug 1999 for West; Nov-Dec1999 for R, Valley)? **BAGSSTK** _____ (bags)

Q14 IF QUESTION 13 = 0 (no bags), in which month and year did you run out of maize stocks from your own production? **MTHFIN00** _____ (month)

YRFIN00 _____ (year)

Q15 How many bags maize do you have in stock right now (from own production)? **BAGSTK00** _____ (bags)

CROPPING ALTERNATIVES

(Enumerator instructions: Look back to the crop table -) **I see that you indicated that you grow about _____ acres of maize, is that right?** (Get confirmation.)

Q16. Over the past 3 years, what has been **on average** the farmgate price of maize received by farmers in this area immediately after harvest?
 (Ksh/90 kg bag) **MZAVGPRC** _____

Q16a. If you knew **before planting** time that the price of maize next year were to go down by 200 Ksh per bag, would you change how you allocate your land to various crops?
 0 = no, 1 = yes **CHNGALLO** _____

IF Q16a= 0 (NO), go to Q17, otherwise go to Q16b.

Q16b. If Q16a = 1 (YES), how many acres would you allocate to maize? **MZACRES** _____

Q16c. What would you do with the land that you would choose not to plant to maize? (**GO TO Q19**) **ACRSOTH1** _____

Codes

- (1) I would shift this land to another cropIf (1) which crops? **CRP1** _____ **CRP2** _____ **CRP3** _____
- (2) I would shift this land to dairy (Enumerator: use crop codes from Q1 – crop inventory)
- (3) I would lease this land to others
- (4) I am not certain as to what I would do
- (5) I would consider leaving the land fallow
- (6) Other (specify) _____

Q17. (If **Q16a = 0 (NO)**) Why would you choose to continue to put the same acreage under maize in spite of a drop in maize prices? **SAMEQTY** _____

Codes:

- (1) Maize is main food staple
- (2) Small farm – don't harvest much maize
- (3) No alternative food crop – only viable option
- (4) Will speculate – hope to sell at higher price later
- (5) No market for other crops – economy weak
- (6) Produce maize for own consumption – do not sell
- (7) No alternative viable cash crop
- (8) Alternative crop is capital intensive
- (9) Will sell to deficit areas
- (10) Price never stays low, always demand for maize
- (11) Hard to depend on buying maize entirely
- (12) Other (specify): _____

Q18a. How low would the price of maize need to be before you consider putting some of your maize **area under another crop**?
 (Kshs/90-kg bag) **LOWCROP:** _____

Q18b How low would the price of maize need to be before you consider reallocating some of your **family or hired labor** from maize to **other income-earning activities** such as other crops, dairy, or non-farm jobs?
 (Kshs/90-kg bag) **LOWLABOR:** _____

(NOTE: Q 19 and 20 are deleted.)

Q21 Comparing the past 2-3 seasons with 10 years ago , is it easier/more convenient or harder

- a) to *sell your grain*
- b) to buy grain

EZYSELL _____

EZBUY _____

- 1 = better conditions now
- 2 = better 5-10 years ago
- 3 = the same
- 4 = not sure
- 5 = not applicable

Q22 On the whole, would you prefer to go back to the grain marketing situation as it was 10 years ago (i.e., NCPB buying most maize, private wholesale trade illegal), or do you prefer the present grain marketing system?

GMKTPREF _____

- 1 = prefer the current system
- 2 = prefer the situation 10 years ago
- 3 = no difference/preference
- 4 = not sure
- 6 = not applicable

(Distance is in kilometers, Km)

Q23. Distances

- a How far are you from where you buy fertilizer ?
- b How far are you from a fertilizer seller?
- c How far are you from a seller of hybrid maize seed?

Km
FERTKM _____
FERTSKM _____
SEEDSKM _____

Q24 a) How far are you from a **motorable road**?

b) How far are you from a **tarmac road**?

c) Is the nearest **tarmac** road better, worse or the same as in 1997?

d) Has the location to the nearest **shopping center changed** since 1997?

d1) If d)=0 (no), what was the matatu/bus fare to this center in 1997?

e) What is the current matatu/bus fare to this same center?

f) How far are you from a **matatu/bus stop**?

g) How far are you from **piped water**?

h) How far are you from a **health center**?

i) How far are you from **electricity**?

j) How far are you from **telephone services**?

k) How far are you from **extension advice**?

l) How far are you from **veterinary help**?

DMTROD _____
DTMROAD _____
CTMROAD _____
SHOPCHNG _____
FARE97 _____ (Ksh)
FARE00 _____ (Ksh)
DM3STOP _____
DPH2O _____
DHLTCTR _____
DELECT _____
DTELEP _____
DEXTN _____
DVET _____

1=better, 2=worse, 3=the same, 4=not sure

0 = no, 1 = yes

If you have bought any of the following items this year – 2000 (last 5 months):

- Q25.** What is the price of a **2 kg** packet of **sifted maize flour** in this area (Ksh): **PSIFTED** _____
- Q26.** What is the price of a **50 kg bag** of **DAP** in this year? (Ksh): **PDAP** _____
- Q27.** What is the price of a **50 kg bag** of **urea** in this year? (Ksh): **PUREA** _____
- Q28.** What is the price of a **50 kg bag** of **NPK(20:20:0)** in this year? (Ksh): **PNPK** _____
- Q29.** What is the price of a **50 kg bag** of **CAN** in this year? (Ksh): **PCAN** _____

Q30 What is the **daily wage rate** for **general farm labor** in this area? (Ksh per day): **WAGERATE** _____

Q31 For this wage, what is the **typical number** of hours **worked per day**? (Hours): **HOURS** _____

Q32 PURCHASES FOR HOME CONSUMPTION (**Enumerator Instructions:** Relate the periods to either food deficit or surplus periods.)

Purch00.sav Key Variables: *hhid purch*

Purchased Products								Complete <i>only</i> if the respondent cannot answer by 4 month periods	
		About how much did you buy over the past 4 months - Feb - May 2000?		About how much did you buy between Oct 1999 and Jan 2000?		About how much did you buy between June 1999 and Sep 1999?		About how much did you buy over the past 12 months?	
PURCH		Qty1	Unit1	Qty2	Unit2	Qty3	Unit3	TotQty	TotUnit
Cash or barter - maize grain	1								
gift/relief-maize grain	2								
Packaged sifted maize meal	3								
Posho meal	4								
Beans/dried peas/legumes	5								
Millet/sorghum	6								
Wheat flour	7								
Rice	8								
Cassava	9								
Matoke/cooking bananas	10								
Potatoes	11								
Meat (any kind)	12								
Sugar	13								
Cooking oil	14								
Wheat Bread	15								

UNIT CODE:

- | | | | |
|----------------|-----------|------------|------------|
| 1 = 90 kg bag | 3=litre | 6=bunches | 9=gorogoro |
| 11 = 50 kg bag | 4=crates | 7=handfuls | 12=debe |
| 2=kgs | 5=numbers | 8=other | 13=grams |

Q33 LIVESTOCK REVENUE 1999-2000 Lstsl00.sav key variables: hhid, livecode

Please tell us about your *livestock* activities over the past 12 months

Livestock code		Number Owned June 1999	Number Purchased	Unit Price at Purchase (Ksh)	Number Consumed	Number born	Number died	Number Stolen	Number Sold	Average price when sold	Number owned May 2000	Current Value Per Unit
livecode		NumOwn	Purch	UPrice	Consume	Born	Died	Stolen	Sold	AvgPric	NMay20	CurVal
Grade cow	1											
Cross cow	2											
Local cow	3											
Grade bull	4											
Cross bull	5											
Local bull	6											
Grade calves	7											
Cross calves	8											
Local calves	9											
Sheep	10											
Goat	11											
Chicken	12											
Ducks	13											
Turkeys	14											
Pigs	15											
Rabbits	16											
Camels	17											

Q34a. What is your average calving interval among your lactating herd for the last 4 years?

CALVINT _____ (months)

Q34b. In total over the past 12 months, how much did you spend on veterinary services for your cattle, including tick control, vaccines, veterinary and artificial insemination services?

VETSERV _____ (Ksh)

Q35a. In total over the past 12 months, how much did you spend on salaried farm workers for your **cattle**?
(Remember to consider only the proportion of time spent on the specific cattle activities.)

SALLVSTK _____ (Ksh)

Q35b. In total over the past 12 months, how much did you spend on purchased feed for your cattle?

ANIMFEED _____ (Ksh)

Q36. LIVESTOCK OUTPUT – lstprd00.sav *key variables: hhid, liveprod*

- Now we would like to talk about the *livestock products* you produced during the past year.

Livestock Product	Average production/ month	Unit of Prod.	Number of months of production per year	Amount sold /month	Price received /Unit (Kshs) on the largest sale	Buyer type of largest sale 1=Cooperative societies 2=K.C.C. 3=Private trader 4=Other
		1 Kgs 2 litres 3 Trays 5 Numbers				
liveprod	avgprod	unit	months	qtysold	price	buyer
Milk	1					
Eggs	2					
Honey	3					
Ghee	4					
Hides and skin	5					
Other livestock products:	6					
Fish (if have fish Ponds)	7					

Q37. DEMOGRAPHY: demog00.sav Key Variables: *hhid*, *perno*

- We would like to talk with you about each member of your family including those family members that may be living off the farm too.

D11: – If D7>4 OR if the person is the household head,

THIS IS 1997 HOUSHOLD COMPOSITION FOR CROSS-CHECKING PURPOSES ONLY				Person number (match from 1997 or 1998 survey)	Name	Sex 1=M 2=F	Age years	Relation to head: See code below	Is this person currently in school? 0=no 1=yes	Years of schooling	Number of months living at home in last 12 months (if <4 go to D8, died goto D9)	If D7<4 or died, which year did he/she leave? (enter full year – 19xx or 20xx)	If answered D8, why? 1=to find a job 2=to attend school 3=married away 4=passed away 5=others	If D9=4, what was the cause of death? 1=Disease 2=Accident 3=Old Age 4=Other (specify)	Did this person engage in any business or informal labor activities during the past 12 months? (incl jua kali, farm kibaruas, farm other districts) 0=no, 1=yes	Did this person have any salaried employment during any of the past 12 months? 0 = no 1 = yes
Name	Age	Sex	Educ	perno	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12

Relation to head code:

0=head
1=spouse,
2=father/mother,
3=son/daughter,
4=other relative,
5=other non-relative

Q38. Business and informal labour activities. Hhinc00.sav Key variables: hhid, perno, activity

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 labor 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 (include jua kali and farm kibaruas). For family members working off the farm, include only income remitted back to household.

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			Gross	Cost	Gross	Cost	Gross	Cost
			6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00	Lgross	Lcost	Agross	Acost	Hgross	Hcost
Name	perno	Activity	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May						

- | | | | |
|-------------------------------|---------------------------------|------------------------------------|--------------------------------|
| Informal income earning codes | 10 Curio trader | 20 Local brewing | 31 Selling mandasi-cakes-break |
| 1 Agricultural trading | 11 Dealing ropes/sisal/firewood | 21 Making pots | 32 Selling water |
| 2 Bicycle repair/mechanic | 12 Driver | 22 Masonry | 33 Spraying |
| 3 Brick making | 13 Earning dividends | 23 Matatu business | 34 Tailor |
| 4 Broker | 14 Electrician | 24 Mining | 35 Timber business |
| 5 Butcher | 15 Fish trading | 25 Photography | 36 Tout |
| 6 Carpentry | 16 Harrowing | 26 Planting | 37 Traditional doctor |
| 7 Farm kibarua | 17 Hawker | 27 Ploughing | 38 Transporter |
| 8 Charcoal burning | 18 Jaggery | 28 Posho miller | 39 Weaving |
| 9 Clothes business (trading) | 19 Livestock trader | 29 Rental of properties | 40 Welding/painting/blacksmith |
| | | 30 Retail shop/ kiosk/ shopkeeping | 41 Other (specify) _____ |

Q39. Salaried wage employment/permanent employment activities. salwg00.sav Key variables: hhid perno activity

We would now like to talk about all *salaried employment* that anyone in your household engaged in during the past 12 months including pensions and remittances. Include only income remitted back to household.

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 currently monthly wage? Kshs	Did this person earn this same monthly wage during all of the past 12 months? 0=no 1=yes (skip monthly questions)	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>											
					6/99	7/99	8/99	9/99	10/99	11/99	12/99	1/00	2/00	3/00	4/00	5/00
NAME	perno	activity	mnwage	samewage	jun	jul	aug	sep	oct	nov	dec	jan	feb	mar	apr	may

Wage labor codes	7 House help	14 Tea picker
1 Cane cutter	8 Industrial worker	15 Teacher
2 Chief	9 Nurse	16 Waiter
3 Clerk	10 Pension	17 Watchman
4 Driver	11 Policeman	18 Other (specify) _____
5 Doctor	12 Remittance	
6 General farm worker	13 Sales person	

HHID: _____

Q40 If you **did** receive agricultural credit this past year, were you **able to pay** the credit back?

PAYBACK _____

- 1=yes
- 2=no
- 3=not yet but I am planning
- 4=refused to answer
- 5=other: _____

Q41 **Economic Activity** **ecact00.sav** *Key Variables: hhid econact*

Economic Activity		<p>Please indicate the order of importance of each of these activities in the household's total income during the past 12 months</p> <p>1=this activity gave the highest income of any activity, 2=this activity gave the second highest income 0=the household did not earn any income from this activity).</p> <p><i>Enumerator:</i> First place a zero for all activities that the household did not engage in. Then determine which of the remaining activities was the most important, second, etc.</p>
ECONACT		ORDER
Crop production and sales (all crops)	1	
Livestock production and sales	2	
Farm kibarua	3	
Non-farm kibarua	4	
Salaried labor	5	
Business activities	6	
Remittance	7	

HHID: _____

Q42 Household Agricultural Assets (PROMPT for each item AS LISTED BELOW): asset00.sav *Key Variables: hhid, item*

AT PRESENT (6/2000), how much/many of the following does this household own? (Enumerator: For value per unit, ask for the resale price for the good or the current market value of the good as it is.)

Agricultural asset	Quantity	Value per Unit	If Value/Unit not	Agricultural asset	Quantity	Value per Unit	If Value/Unit not known
ITEM	QTY	VALUE	TOTVAL	ITEM	QTY	VALUE	TOTVAL
13=ploughs for tractor				37=power saw			
14=animal traction plough				38=jaggery unit			
15=cart				39=chaf cutter			
16=trailer				40=solar panels			
17=tractor				41=battery			
18=car				42=weighing machine			
19=truck				43=poultry houses			
20=spray pump				44=piggery houses			
21=irrigation equipment				45=water pump			
22=water tanks				46=telephone			
23=stores				47=boom sprayer			
29=zero-grazing assets				48=cattle dip			
25=wheel barrow				Other (specify)			
26=combine harvester							
27=bicycle							
28=radio							
30=beehive							
31=houses							
33=borehole							
34=motorcycle							
35=grinder							
36=TV							

Enumerator Instructions -

Q43 *Observe what building materials the main house is made of?*

Roof

- 1) grass thatched
- 2) iron sheet
- 3) roofing tile
- 4) mud

Walls

- 1) mud
- 2) brick/stone
- 3) wood
- 4) iron sheet

Floor

- 1) cement
- 2) earth
- 3) other

ROOF _____

WALL _____

FLOOR _____

Q44 Enumerator: Rate how you think the family's economic condition compares to most households in this area -

ECOMPARE _____

- 1=better off
 - 2=worse off
 - 3=about the same
-

Continue with questions for household head:

Q45 Is your family better off, worse off, or about the same as most households in this area?

COMPARE _____

- 1=better off
- 2=worse off
- 3=about the same