

Egerton University - Tegemeo Institute/MSU
Rural Household Survey 2000
(Synthetic Questionnaire)

Location of data files: \Kenya\Kenyahh2000\arch\augdata_____

Files created for this questionnaire:

File name	Level of Data	Page	Table Description
allhhid00.sav	Household	2	All households
Hhidfinal00.sav	household	2	Only households included in survey
Incrop00.sav	Household, crop	3	Inventory of crops raised by household
Croplev00.sav	household, harvest, year, field, crop	5	crop information
Field00.sav	household, harvest, year, field	6	field information
Fert00.sav	household, harvest, year, field, fertilizer type	7	fertilizer information
Hh00.sav	Household	8, 9, 10, 11, 12-14, 15, 20, 22	Household information
Lbrcsh00.sav	household, year, season, crop, activity	9	Cash expended for labour
Lbrink00.sav	household, year, season, crop, activity, prod	9	In kind expenditures for labour
Tfert00.sav	Household fertilizer	10	Fertilizer purchased with cash
Inputs00.sav	Household inputs	11	Inputs received on credit
Purch00.sav	household, purchases	14	Purchases for home consumption
Lstslld00.sav	Household livestock	15	Livestock sold
Lstprd00.sav	household, year, livestock production	16	livestock products produced and sold
Demog00.sav	household, member	17	Detail about members of the household
Hhinc00.sav	Household member activity	18	Business and informal income
Salwg00.sav	household, member activity	19	Salary and wage income
Ecact00.sav	Household activity	20	Economic activity
Asset00.sav	household, asset type	21	Agricultural assets

Allhhid00.sav (all households whether completed interview or not)
Hhidfinal00.sav (only households who completed the interview)

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
3 =New respondent
4 =Not interviewed

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 = unusual mind
6 = away

(Date Modified: 1/5/2001)

Q1. CROP INVENTORY (FIELD CROPS, FRUIT TREES, AND VEGETABLES:**incrop00.sav** Key Variables: *hhid, crpgwn*

- 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		Did you <i>produce</i> this crop during either main or small harvest? N/A=yes	Vegetable		Did you <i>produce</i> this vegetable during either main or small harvest? N/A=yes	Tree/Fruit Crop		How many <i>productive</i> trees do you own? Enter number
CrpGwn		NumProd	CrpGwn		NumProd	CrpGwn		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 vegs	140		Lemons	74	
Millet	9		onions	96		Mango	73	
Sorghum	8		pumpkin	76		Orange	75	
Sugar cane	15		snow peas	90		Passion fruit	13	
Sweet potato	43		spinach	66		Pawpaw	70	
Wheat	13		sukuma wiki	64		Pineapples	13	
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	11	
Barley	60		cucumber	125		Cashew nuts	24	
Bulrush millet	169		French beans	25		Coconuts	23	
Caster oil	146		garlic onion	138		Lugard	11	
Corn flower	168		gourds	62		Macadamia	13	
Cotton	14		green peas	167		Matomoko	12	
Flowers	20		pepper	65		Miraa	14	
Fodder	22		squash	124		Peaches	16	
Greengrams	34		turnips	161		Pears	13	
Groundnuts	33		Watermelon	69		Plums	12	
Mero	95					tree tomato	16	
Nathi	165					wild berries	14	
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	gourds	62	pepper	65
arrowroots	44	grapes	179	pineapples	133
arrowroot leaves	185	green grams	34	plums	121
avocado	97	groundnuts	33	pomogranite	178
		guava	72	potatoes, Irish	27
bananas	10			potatoes, sweet	43
banana, stems	4	indigenous grains	139	pumpkin	76
barley	60	indigenous vegetables	140	pumpkin leaves	172
beans, dry	7			pyrethrum	17
beans, French	25	lemons	74		
beans, leaves - other	184	lettuce	173	rice	31
beans, runner	171	lugar	118		
beets, sugar	187			simsim	78
brinjals	129	macademia nuts	135	sisal	16
		maize, dry	1	sorghum	8
cabbage	93	maize, green	2	soyabeans	160
capsicum	67	mangos	73	spinach	66
carrots	94	matomoko	120	squash	124
cashew nuts	24	matuya	195	stefali	190
cassava	28	millet	9	strawberries	177
castor oil	146	millet, bulrush	169	sugarcane, chewing	170
cauliflower	175	miraa	148	sugarcane, industrial	15
coconuts	23	mkuyu	196	sukuma wiki	64
coconuts, green	193	mkunga	197	sunflower	30
coconuts, dried	194			sweet melon	68
corn flower	168	nathi	165		
coffee, cherries	6	njahi-Dolichos	147	tamarind	3
coffee, churned	176			tangawizi	189
coffee, mbuni	11	oats	32	tangerine	136
cotton	14	okra	77	tea	12
cowpeas	21	onion	96	tobacco	29
cowpeas leaves	19	onion, garlic	138	tomatoes	63
cucumber	125	oranges	75	tree tomato	162
				trees, commercial	5
dates	192	passion fruit	137	tungucha	191
dhania	183	passion fruit, yellow	95	turnips	161
		pawpaws	70		
eggplant	71	peaches	166	watermelon	69
		pears	134	wheat	13
flowers	20	peas, green	167	white suppoise	163
fodder	22	peas, pigeon	141	yams	81
		peas, snow	90	zambarao	174

Q2/Q3. Main Season /Short Season 1999/2000 (Eastern Kenya refers to Jan-March 2000 harvest, Western Kenya July/October 1999; R.Valley Nov/Dec 1999)

Croplev00.sav Key Variables: *hhid, harvest, year, field, crop* -888=uncollected data -889=N/A

Household ID	Year 4 = 99/2000	Season 1=Main 2=Short	Field No.	Crop code	Seed Type 1=Purch Hybrid 2=Ret Hybrid 3=OPV 4=local var 5=seedlings/ cuttings -888=uncollected data -889=N/A	Quantity of seed used		Harvest -777=young, not harvested	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 10=NIB 11=Institution 12=KARI	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 6=Frost 7=Hailstones 8=Strong wind 9=Too much rain	
						Quantity	Unit		Quantity	Unit					Quantity
hhid	Year	Season	Field	Crop	sdtype	sqt	sunit	hvt	Hunit	sold	Slunit	price	buyer	Tbsold	damage

Q2/Q3. Field Information 1999/2000 (Eastern Kenya refers to Jan-March 2000 harvest, Western Kenya July/October 1999; R.Valley Nov/Dec 1999)

Field00.sav *Key Variables: hhid, harvest, year, field* -888=uncollected data, -889= N/A

Household ID	Year 4 = 1999/2000	Season 1 = Main 2 = Short	Field No.	Acres	Is this field	Land prep type	Land prep cost (Ksh)
					1=owned w/ deed 2=owned w/o deed 3=rented 4=owned by parent/ relative 5=government/communal -888=data not collected -889=N/A	1=manual 2=oxen 3=tractor	
HHID	Year	Season	Field	Acres	Tenure	landprep	lpcost

Q2. Field Fertilizer Table 1999/2000 (Eastern Kenya refers to Jan-March 2000 harvest, Western Kenya July/October 1999; R.Valley Nov/Dec 1999)

Fert00.sav Key Variables: *hhid, year, season, field, FertType, FertUnit*

Household ID	Year 4 = 1999/2000	Season 1 = main 2 = short	Field number	Fertilizer Used		
				Type 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 18=compost mixture 19=magmax lime -888=uncollected data -889=not applicable	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 -889=N/A	Quantity
HHID	Year	Season	field	Ferttype	FertUnit	FertQty

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

HHID: _____
hh00.sav

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 _____

Table 5. Expenditures on hired labour for cropping activities (*excluding gang labour*)

Lbrsh00.sav Key variables: *hhid, year, season, crop, activity*

Lbrink00.sav Key variables: *hhid, year, season, crop, activity, prod*

House hold ID	Year 4 = 1999/2000	Season 1 = main 2 = short	Crop	Activity 1 planting 2 weeding 3 harvest 4 other 5 security	What were your total <i>cash expenditures</i> on hired labour for this activity?
HHID	Year	Season	Crop	Activity	Cash

House hold ID	Year 4 = 1999/2000	Season 1 = main 2 = short	Crop	Activity 1 planting 2 weeding 3 harvest 4 other 5 security	Total in-kind payments		
					Product use crop codes plus other prod codes: 200=milk 201=eggs 202=poultry 203=maize flour 204=goat 205=sugar 206=fat	Quant	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
HHID	Year	Season	Crop	Activity	Prod	Quant	Unit

Q5b In total over the past 12 months, how much did you spend on **salaried** farm worker(s) for **cropping** activities?
(Remember to consider only the proportion of time spent specifically on cropping activities.)

_____ (Ksh) SALFWRK

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 19=Magmax Lime	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	FrtPrice

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=business investment 6=to pay court charges/other charges

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, CredKind, AmtInput, InpUnit, InpValue*

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	10=technical support	1=cash credit 2=in kind credit		0=not applicable		1=AFC		1=crop revenue 2=livestock revenue 3=off farm income
2=seed/seedlings	11=livestock drugs			1=90 kg bag		2=commercial bank	9=informal money lender	
3=pesticide	12=livestock feed			11=50 kg bag		3=coffee co-op	10=friend/relative	
4=insecticide	13=othere farming activity			2=kgs		4=KTDA	11=milk cooperative	
5=herbicide	14=compost mixture			3=litre		5=sugar company	12=NIB	
6=plow	15=livestock			4=crates		6=local private trader	13=teacher's cooperative	
7=sprayer	16=fingicide			5=numbers		7=large company	14=KARI	
8=other AT equip	17=water			6=bunches		8=NGO		
9=land preparation	18=sacks			7=handfuls				
	19=petrol			8=other				
		9=gorogoro (2 kg)						
		10=days of support						
		12=acres						
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)? (-889 = N/A – didn't plant maize) **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)
(-9 = data could not be collected; -889 = N/A) **YRFIN00** _____ (year)

Q15 How many bags maize do you have in stock right now (from own production)? (-889=N/A – don't plant maize) **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?
 (-888=uncollected data, -889=Pastolist) (Ksh/90 kg bag) **MZAVGPCR** _____

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, -888=uncollected data, -889=Didn't plant maize) **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 for acrsoth1 (for acrsoth2 6=other)

- (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) Stop renting in
- (7) Expand area under maize

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) Feed cattle with maize

Q18a. How low would the price of maize need to be before you consider putting some of your maize **area under another crop**?
 (-1=can't change) (Kshs/90-kg bag) **LOWP:** _____

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? (-1=can't change) (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 5 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 _____ (-889=does not buy)

FERTSKM _____ (-889=Pastrolist – no idea)

SEEDSKM _____ (-889=Pastrolist – no idea)

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 of 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**?

DMTROAD _____

DTMROAD _____

CTMROAD _____

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

SHOPCHNG _____

0 = no, 1 = yes

FARE97 _____

(Ksh) (0=walk to shopping center)

FARE00 _____

(Ksh) (0=walk to shopping center)

DM3STOP _____

DPH20 _____

DHLTCTR _____

DELECT _____

DTELEP _____

DEXTN _____

DVET _____

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	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?				Complete <i>only</i> if the respondent cannot answer by 4 month periods About how much did you buy over the past 12 months?				Total kgs consumed for the entire year	
	PURCH	qty1	unit1	conv1	kgqty1	qty2	unit2	conv2	kgqty2	qty3	unit3	conv3	kgqty3	totqty	totunit	conv	kgqtyt	kgtotal
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																	
Tobacco	16																	

UNIT CODE:

1 = 90 kg bag
11 = 50 kg bag

2=kgs
3=litre

4=crates
5=numbers

6=bunches
7=handfuls

8=other
9=gorogoro

12=debe
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 (-887=not required, question introduced later)

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	Nmay00	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											
Quail	18											

Q34a. What is the 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**? **SALLVSTK** _____ (Ksh)
(Remember to consider only the proportion of time spent specifically on cattle activities.)

Q35b. In total over the past 12 months, how much did you spend on purchased feed for your cattle? **ANIMFEED** _____ (Ksh)

Q35c. What was the average number of lactating cows in the 1999/2000 year (-887=question introduced later) **LACCOWS** _____

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. 1 Kgs 2 litres 3 Trays 5 Numbers	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/hotel 4=consumer 5=institutions -887=not required -889=N/A
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* (-9=person unavailable to give information, -888=uncollected data, -889=N/A)

- 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,

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=divorced/separated 6=imprisoned 7=living on their own/parents 8=went back home/visit relatives 9=came to household 10=got lost without trace	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
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* (-9=person not available to give information)

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).

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	17 Hawker	35 Timber trading business	53 Sand harvesting business
1 Agricultural trading	18 Jaggery business	36 Tout	54 Nurse
2 Bicycle (repair/transporter) business	19 Livestock trading business	37 Traditional doctor	55 Commercial tree selling
3 Brick making business	20 Local brewing business	38 Transporter (goods)	56 Village elder
4 Brokerage business	21 Making pots	39 Weaving	57 Hiring out a bull
5 Butcher business	22 Masonry	40 Welding/painting/blacksmith	58 Accounting clerk
6 Carpentry business	23 Matatu business	41 Medical health business	59 Tour guide
7 Farm kibarua	24 Mining business	42 Lumbering / wood cutting	60 Boat making business
8 Charcoal burning business	25 Photography business	43 School business	61 Thatching grass selling
9 Clothes business (trading)	26 Planting business	44 Hair dresser /barber	62 Building construction
10 Curio trader business	27 Ploughing business	45 Veterinary doctor	63 Pit latrine digger
11 Dealing ropes/sisal/firewood	28 Posho mill business	46 Bar operator business	64 Battery charging business
12 Driver	29 Rental of properties	47 Plumber	65 Part-time teacher
13 Earnings dividends	30 Retail shop/ kiosk/ shopkeeping	48	66 Wine tapper
14 Electrician	31 Selling mandasi-cakes-bread/cook	49 Laundry business	67 Video business
15 Fish trading business	32 Selling water	50 Surveyor	68 Pet breeder
16 Harrowing business	33 Spraying business	51 Cobbler	69 Sheep shearer
	34 Tailoring business	52 Vehicle mechanic	70 Harvesting business
			71 Other

Q39. Salaried wage employment/permanent employment activities. salwg00.sav Key variables: hhid perno activity (-9=person unavailable to give information, -889=same wage)

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	21	Lecturer/tutor	28	Messenger	35	committee member						
1 Cane cutter	8	Industrial worker	15	Teacher	22	Road constructor	29	Subordinate civil services	36	engineer						
2 Chief/asst. chief	9	Nurse	16	Waiter/cook	23	Cleaner	30	Lumber	37	househelp						
3 Clerk	10	Pension	17	Watchman	24	Shop keeper / attendant	31	Secretary	38	accountant						
4 Driver	11	Policeman/woman	18	Banker / receptionist	25	Conductor	32	Surveyor	39	mechanic						
5 Doctor	12	Remittance	19	Manager	26	Veterinary doctor	33	Lab attendant	40	electrician						
6 General farm worker	13	Sales person	20	Civil leader	27	Pastor / religious services	34	carpenter	41	tailor						

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=still paying

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>-9=activity could not be ranked -1=did not give any income though produced 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	

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 (Ksh)	If Value/Unit not known ask total value	Agricultural asset	Quantity	Value per Unit (Ksh)	If Value/Unit not known ask total value
ITEM	QTY	VALUE	TOTVAL	ITEM	QTY	VALUE	TOTVAL
13=ploughs for tractor				38=jaggery unit			
14=animal traction plough				39=chaf cutter			
15=cart				40=solar panels			
16=trailer				41=battery			
17=tractor				42=weighing machine			
18=car				43=poultry houses/rabbit sheep pen			
19=truck				44=piggery houses			
20=spray pump				45=water pump			
21=irrigation equipment				46=telephone			
22=water tanks				47=boom sprayer			
23=stores				48=cattle dip / cattle crush			
29=zero-grazing assets				49=Dam			
25=wheel barrow				50=donkey			
26=combine harvester				51=water trough			
27=bicycle				52=pestle & mortar			
28=radio				53=harrow/tiller			
30=beehive				54=sheller			
31=houses				55=planter			
33=borehole				56=coffee churner			
34=motorcycle				57=generator (power for irrigation)			
35=grinder				58=ridger/weeder			
36=TV				59=cane crusher			
37=power saw				60=well			

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
- 5) sticks

Walls

- 1) mud
- 2) brick/stone
- 3) wood
- 4) iron sheet
- 5) acacia
- 6) sticks

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

Q46 Over the 1999/2000 season, would you consider your agricultural production to be reflective of a good production year, normal production year or a poor production year?

PRODYEAR _____

- 1=Normal
- 2=Good
- 3=Poor
- 887=Question introduced later