

Egerton University - Tegemeo Institute/MSU
Rural Household Indicators Survey
May, 2002

Identifying Variables:

	NAME (Please write)	CODE
Province (Write name, then enter code at far right)		PROV _____
District (Write name, then enter code at far right)		DIST _____
Division (Write name, then enter code at far right)		DIV _____
Location Sublocation (Write name, then enter code at far right)		SUBLOC _____
Village (Write name, then enter code at far right)		VILL _____
Household Number		HHID _____
HH Name		
Respondent Name		
Date		
Enumerator (Write name, then enter code at far right)		ENUM _____
Is this a Replacement Household (1=yes,2=no)		REPLACE _____

“We are part of a team from Egerton University, who are doing Research that will be used to make recommendations to the Government of Kenya regarding investments and policies that would best support food production, food marketing, and income growth in Kenya’s rural areas. Your help in answering these questions is very much appreciated. The survey should take less than an hour. Your participation is completely voluntary. Your responses will be **COMPLETELY CONFIDENTIAL** and will be added to those of 1,400 other households in Kenya and analyzed together. If you have any questions or concerns about this study, you may contact the Director, Tegemeo Institute, Egerton University P.O Box 20498, 00200. Nairobi”

“You indicate your voluntary agreement to participate by beginning this interview. Do you have any questions?”

AGRICULTURAL ACTIVITIES

Q1. How many **TOTAL ACRES** did you cultivate (include perennial and annual crops) during the most recent **SHORT SEASON**? (Eastern Kenya refers to July-Sept 2001 harvest; Western Kenya Nov-Jan 2002 harvest) **TACRE1** _____

Q2. How many **TOTAL ACRES** did you cultivate (include perennial and annual crops) during the most recent **MAIN SEASON**? (Eastern Kenya refers to Jan-march 2002 harvest; Western Kenya July/October 2001; R.Valley Nov/Dec 2001) **TACRE2** _____

Q3. CEREALS, TUBERS, AND PULSES

Crop		Did you <i>plant</i> this crop during either main or short harvest? 1=yes 2=no	Did you apply any <i>fertilizer</i> to this crop during either harvest? 1=yes 2=no	Did this crop sustain any <i>damage</i> from pests, or weather, or disease, or any other problem? 1=yes 2=no	Did you <i>completely lose</i> this crop from any field during either harvest? 1=yes 2=no	Did you <i>sell</i> any of this crop over the past 12 months? 1=yes 2=no
CROP		PROD	FERT	DAMAGE	LOSE	SELL
Maize	1					
Green maize	2					
Beans	7					
Sorghum	8					
Millet	9					
Wheat	13					
Cowpeas	21					
Irish potatoes	27					
Cassava	28					
Rice	31					
Groundnuts	33					
Greengrams	34					
Sweet potato	43					
Arrowroots	44					
Barley	60					
Yams	81					
Pigeon peas	141					
Caster oil	146					
Njahi	147					
Soyabeans	160					
Bulrush millet	169					

Q4. Considering both the short and main harvests, which of these crops gave you the *greatest amount of food for home consumption*? (WRITE the crop _____) **FOODCTP** _____

Q5. Again considering both the short and main harvests, what *quantity* of this crop (the one listed in the previous question) did you produce over the past year? _____

1=90 kg bag 11=50 kg bag 2=kgs 4=crates 5=numbers 12=debe
9=gorogoro 10=tonnes

Quantity
Unit

QNTCTPF
UNITCTPF

Q6. Considering both the short and main harvests, which of these crops gave you the **greatest cash income** (from sales)? (WRITE the crop or 0 if none _____)

CASHCTP _____

Q7. Again considering both the short and main harvests, what **quantity** of this crop (the one listed in the previous question) did you produce over the past year?

Quantity
Unit

QNTCTPC _____

UNITCTPC _____

1=90 kg bag 11=50 kg bag 2=kgs 4=crates 5=numbers
9=gorogoro 10=tonnes 12=debe

Q8. FRUITS AND VEGETABLES

Crop	Did you <i>plant</i> this crop during either main or short harvest? 1=yes 2=no	Did you apply any <i>fertilizer</i> to this crop during either harvest? 1=yes 2=no	Did this crop sustain any <i>damage</i> from pests, or weather, or disease, or any other problem? 1=yes 2=no	Did you <i>completely lose</i> this crop from any field during either harvest? 1=yes 2=no	Did you <i>sell</i> any of this crop over the past 12 months? 1=yes 2=no	Crop	Did you <i>produce</i> this crop during either main or short harvest? 1=yes 2=no	Did you apply any <i>fertilizer</i> to this crop during either harvest? 1=yes 2=no	Did this crop sustain any <i>damage</i> from pests, or weather, or disease, or any other problem? 1=yes 2=no	Did you <i>completely lose</i> this crop from any field during either harvest? 1=yes 2=no	Did you <i>sell</i> any of this crop over the past 12 months? 1=yes 2=no
CROP	PROD	FERT	DAMAGE	LOSE	SELL	CROP	PROD	FERT	DAMAGE	LOSE	SELL
cabbage	93					Watermelon	69				
carrot	94					Avocado	97				
capsicum	67					Banana	10				
indig. vegg	140					Guava	72				
onions	96					Lemons	74				
pumpkin	76					Mango	73				
snow peas	90					Orange	75				
spinach	66					Passion fruit	137				
sukuma wiki	64					Pawpaw	70				
tomatoes	63					Pineapples	133				
brinjals	129					White suppoise	163				
cucumber	125					Apples	119				
French beans	25					Cashew nuts	24				
garlic onion	138					Coconuts	23				
gourds	62					Lugard	118				
green peas	167					Macadamia	135				
pepper	65					Matomoko	120				
squash	124					Miraa	148				
turnips	161					Peaches	166				
Sugarcane (chewing)	170					Pears	134				
Nathi	165					Plums	121				
Mero	95					tree tomato	162				
						wild berries	149				

HHID _____

Q9. Considering both the short and main harvests, which of these crops gave you the **greatest amount of food for home consumption?** (WRITE the crop _____)

FOODFV _____

Q10. Again considering both the short and main harvests, what **quantity** of this crop (the one listed in the previous question) did you produce over the past year?

Quantity
Unit

QNTCTPF
UNITFVF

1=90 kg bag 11=50 kg bag 2=kgs 4=crates 5=numbers 6=bunches (Bananas)
9=gorogoro 10=tonnes 12=debe

Q11. Considering both the short and main harvests, which of these crops gave you the **greatest cash income** (from sales)? (WRITE the crop or 0 if none _____)

CASHFV _____

Q12. Again considering both the short and main harvests, what **quantity** of this crop (the one listed in the previous question) did you produce over the past year?

Quantity
Unit

QNTFVC
UNITFVC

1=90 kg bag 11=50 kg bag 2=kgs 4=crates 5=numbers 6=bunches (Bananas)
9=gorogoro 10=tonnes 12=debe

Q13. INDUSTRIAL CROPS

Crop		Did you plant/produce this crop during either main or short harvest? 1=yes 2=no	Did you apply any fertilizer to this crop during either harvest? 1=yes 2=no	Did this crop sustain any damage from pests, or weather, or disease, or any other problem? 1=yes 2=no	Did you completely lose this crop from any field during either harvest? 1=yes 2=no	Did you sell any of this crop over the past 12 months? 1=yes 2=no
CROP		PROD	FERT	DAMAGE	LOSE	SELL
Cotton	14					
Fodder	22					
Pyrethrum	17					
Sisal	16					
Sunflower	30					
Tobacco	29					
Coffee	11					
Tea	12					
Sugarcane (industrial)	15					

Q14. Considering both the short and main harvests, which of these crops gave you the **greatest cash income** (from sales)? (WRITE the crop or 0 if none _____)

CASHIND _____

Q15. Again considering both the short and main harvests, what **quantity** of this crop (the one listed in the previous question) did you produce over the past year?

Quantity
Unit

QNTINDC
UNITINDC

1=90 kg bag 11=50 kg bag 2=kgs 4=crates 5=numbers
9=gorogoro 10=tonnes 12=debe

Q16. What is your view about the production year? (*the most recent short and main harvests*)? 1=Good 2=Normal 3=Poor

PRODYR _____

Q17. Considering both the short and main harvests, did you hire any **LABOUR** (casual or permanent) for any cropping activities? (1=yes, 2=no)

HIRELBR _____

Q18. What is the **daily wage rate** for **general farm labor** in this area? (Ksh per day)

WAGE _____

Q19. LIVESTOCK (Reference period is over the past 12 months)

Animal		How many of these animals do you currently own?	Did you sell any of this type of animal over the past 12 months? (1=yes, 2=no)
ANIMAL		NANIM	SELLANIM
Grade cow	1		
Cross cow	2		
Local cow	3		
Grade bull	4		
Cross bull	5		
Local bull	6		
Grade calf	7		
Cross calf	8		
Local calf	9		
Goat	11		
Sheep	10		
Chicken	12		
Duck	13		
Rabbit	16		

Q20. LIVESTOCK PRODUCTS

Livestock Product		Did you produce any of this product over the past 12 months? (1=yes, 2=no)	Did you sell any of this product over the past 12 months? (1=yes, 2=no)
ANIMPROD		NPROD	SELLPROD
Milk	1		
Eggs	2		
Honey	3		
Hides& skin	5		
Other livestock products	6		

1. **Household Members:** We'd like to talk to you about all the members you told us about in the last survey in June 2000. (Example)

HHID: X

Key variables: PROV, DIST, DIV, LOC, HH, MEM Reference Period: The Last 12 Months

ID	Name (Start with head of household)	Was this person considered as a member of the household in the 2000 survey? 1=Yes 2=No	Age in the year 2000	Age now	Sex 1=M 2=F	Relation to head in 2000	Relation to head in 2000 See code below	Marital Status 1=single 2=monogamously married 3=polygamously married 4=divorced 5=widowed 6=separated 7=other	How many months in the past 12 months has this person lived at home	Is this person in school? 1=Yes 2=No	Years of schooling 0=none 1..12 for years completed 20=some University 21=completed University 22=post-graduate	Is this person still a member of this household? 1=Yes go to D13 2=No go to D10	If D9-2, why is this person not a member of this household any more? See code below (If D10=4, go to D11. Otherwise, go to next member.	If D10=4, what was the cause of death? 1=Disease 2=Accident 3=Old age 4=Other (specify)	If D10 =4, in which year did this person die? Example: 2001 Go to D14	Has this person been ill for at least the past month? 1=yes 2=no	If D10=4 or D13=yes, does (did) the person suffer from the following symptoms? (1=yes, 2=no)				Did this person engage in any business or informal labor activities during the past 12 months? (incl jua kali, farm kibaruas, farm other districts) 1=yes 2=no	Did this person have any salaried employment during any of the past 12 months? 1=yes 2=no
																	chronic diarrhea	chronic fever	substantial weight loss	skin rash		
MEM	Name	D01		D02	D03		D04	D05	D06	D07	D08	D09	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19
1	NAME	1	64		1	Head																
2	NAME	1	57		2	Spouse																
4	NAME	1	20		1	Child																
7	NAME	1	22		1	Child																
3	NAME	1	90		2	Parent																
5	NAME	1	20		2	Oth. Relative																
6	NAME	1	17		2	Oth Relative																

Relationship to head (D04)

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

Reasons for absent (D10)

- 1=left to find a job
- 2=left to attend school
- 3=married away
- 4=deceased
- 5=divorced/separated
- 6=living with relatives
- 7=others (specify)

Q22. NEW HOUSEHOLD MEMBERS: IF YOU HAVE NEW MEMBERS SINCE THE LAST SURVEY IN JUNE 2000, PLEASE TELL US ABOUT THOSE NEW MEMBERS.

Key variables: PROV, DIST, DIV, LOC, HH, MEM Reference Period: The Last 12 Months

ID	Name (Start with head of household)	Was this person listed as a member of the household in the 2000 survey? 1=Yes 2=No	Age	Sex 1=M 2=F	Relation to head See code below	Marital Status 1=single 2=monogamously married 3=polygamously married 4=divorced 5=widowed 6=separated 7=other	Number of months living at home in the last 12 months	Is this person in school? 1=Yes 2=No	Years of schooling 0=none 1..12 for years completed 20=some University/college 21=completed University 22=post-graduate	Is this person still a member of this household? 1=Yes go to D13 2=No go to D10	If this person is not a member of this household anymore (D09=2), why? See code below (If D10=4, go to D11, if not go to D18)	If D10=4, what was the cause? 1=Disease 2=Accident 3=Old age 4=Other (specify)	If D10 =4, in which year did this person die? Example: 2001 Go to D14	Has this person been ill for at least the past month? 1=yes 2=no	If D10=4 or D13=yes, does (did) the person suffer from the following symptoms? (1=yes, 2=no)				Did this person engage in any business or informal labor activities during the past 12 months? (incl jua kali , farm kibaruas, farm other districts) 1=yes 2=no	Did this person have any salaried employment during any of the past 12 months? 1=yes 2=no
															chronic diarrheea	chronic fever	substantial weight loss	skin rash		
MEM	Name	D01	D02	D03	D04	D05	D06	D07	D08	D09	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19
51		2																		
52		2																		
53		2																		
54		2																		
55		2																		
56		2																		
57		2																		
58		2																		
59		2																		
60		2																		
61		2																		

Relationship to head (D04)

- 1=head
- 2=spouse
- 3=own son/daughter
- 4=step son/daughter
- 5=parent
- 6=brother/sister
- 7=nephew/niece
- 8=son/daughter-in-law
- 9=grandchild

Reasons for absent (D10)

- 1=left to find a job
- 2=left to attend school
- 3=married away
- 4=deceased
- 5=divorced/separated
- 6=living with relatives
- 7=others (specify)

Q23. OFF-FARM ACTIVITIES**Q.24. Participation in off-farm activities over the past 12 months**

Month <i>Change starting and ending months as appropriate for timing of survey. Last month in list should be last month prior to survey.</i>		Did anyone in this household earn income from any kind of business or informal labour activities during the indicated months? (incl jua kali , farm kibaruas, farm other districts) (1=yes, 2=no)	Did anyone in this household earn income from any kind of salaried employment or remittance during any of the indicated months? (1=yes, 2=no)
MONTH		INFMTH	SALMTH
May 2001	105		
June	106		
July	107		
Aug	108		
Sep	109		
Oct	110		
Nov	111		
Dec	112		
Jan 2002	201		
Feb	202		
March	203		
April	204		

Q25. *Business and informal off-farm activities, and salaried wage labour*

Business and Informal Off-farm Activities		Salaried Wage Labour	
Activity	Over the past 12 months, did anyone in your household engage at any time in any of the following business/informal off-farm activities? (1=yes, 2=no)	Activity	Over the past 12 months, did anyone in your household engage at any time in any of the following salaried wage labour activities? (1=yes, 2=no)
ACTINF		ACTSAL	
INFORMAL		SALARIED	
Informal/Business Activities		Salaried Employment/Remittance	
Farm kibarua	7	Receive remittances	12
Tout	36	Teacher	15
Bicycle repair business	2	Driver	4
Transport business (goods)	38	Manager	19
Timber trading business	35	Receive pension income	10
Mining business	24	Police	11
Jaggery	18	Shopkeeper/attendant	24
Hawking	17	Watchman	17
Traditional doctor	37	Clerk	3
Carpentry business	6	Sales person	13
Rental properties	29	General farm worker	6
Driver	12	Banker/receptionist	18
Local brewing business	20	Lecturer/tutor	21
Retail shop/kiosk	30	Civil leader	20
Fish trading business	15	Chief/Assistant chief	2
Clothes business	9	Industrial worker	8
Posho mill	28		

Q26. HOUSEHOLD ASSETS

AT PRESENT, how much/many of the following does this household own?

Agricultural asset	Quantity	Agricultural asset	Quantity	Agricultural asset	Quantity
ITEM	QTY	ITEM	QTY	ITEM	QTY
15=cart		28=radio		40=solar panel	
18=car		29=zero-grazing units		45=water pump	
19=truck		33=bore hole		46=telephone	
21=irrigation equipment		34=motor cycle		50=donkey	
22=water tank				51=water trough	
25=wheel barrow					

Q27. IMPORTANCE OF INCOME SOURCES

ECONACT	ORDER
Economic Activity	Please indicate the order of importance of each of these activities in the household's total income during the past 12 months -9=activity could not be ranked 0=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 -1=the household did not engage in this activity Enumerator: First place a -1 for all activities that the household did not engage in. Then determine which of the remaining activities was the most important, second, etc.
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

LAND

- Q28 Have you or anyone in your household done any of the following over the past three years? (1=yes, 2=no) for **each question**
- | | | | |
|--|--|-----------------|-------|
| Purchased land | | BUYLAND | _____ |
| Rented land in (cash payment) | | RENTIN | _____ |
| Worked land under a sharecropping arrangement | | SHAREIN | _____ |
| Obtained rights to new land through the local (traditional) system | | TRADLAND | _____ |
| Sold land | | SELLAND | _____ |
| Rented land out | | RENTOUT | _____ |
| Made land available to another in a sharecropping arrangement | | SHAREOUT | _____ |
| Given up rights to any land through the local (traditional) system | | GIVEUP | _____ |
- Q29 Please tell us what your **four top priorities** are for attempting to improve your family's wellbeing:
- 1=Obtain more land 2=Increase yields on my existing land 3=Obtain more animals/Increase my earnings from existing animals
 4=Obtain salaried employment/Increase my existing salary 5=Start business/Earn more in existing business
 6=Other (specify)
- | | | | |
|---------------------------------------|-----------------------------------|---------------|-------|
| Most important Priority | If "other", please specify: _____ | PRIOR1 | _____ |
| Second most important Priority | If "other", please specify: _____ | PRIOR2 | _____ |
| Third most important Priority | If "other", please specify: _____ | PRIOR3 | _____ |
| Fourth most important Priority | If "other", please specify: _____ | PRIOR4 | _____ |
- Q30. Around this village, how much would it cost to **RENT** an acre of land that is considered to be "good quality" for this area? (Ksh/acre) Value rent per year (3=dont know)
 Value rent per main season
 Value rent per short season
- | | | |
|--|----------------|-------|
| | VALRNTY | _____ |
| | VALRNTM | _____ |
| | VALRNTS | _____ |
- Q31 Around this village, how much would it cost to **PURCHASE** an acre of land that is considered to be "good quality" for this area? (Ksh/acre)
- | | | |
|--|---------------|-------|
| | VALBUY | _____ |
|--|---------------|-------|
- Q32 Has land been **forcefully taken** away from this household in the last 10 years? 1=yes
 2=no
- | | | |
|--|-----------------|-------|
| | TAKELAND | _____ |
|--|-----------------|-------|
- Q33. In what year did the head of this household first **obtain land** in this area?
- | | | |
|--|---------------|-------|
| | YRLAND | _____ |
|--|---------------|-------|
- Q34 In what year did your family first settle in this area? ("Family" refers to ancestors and 888=dont know)
- | | | |
|--|-----------------|-------|
| | YRSETTLE | _____ |
|--|-----------------|-------|
- Q35 In the year that your family first settled in this area, was **the head of the household** closely related to the person who was headman at that time?
 1=yes 2=no 3= Don't Know
- | | | |
|--|-----------------|-------|
| | RELHEAD1 | _____ |
|--|-----------------|-------|
- Q36. In the year that your family first settled in this area, was **the spouse of the head of household** closely related to the person who was headman at that time?
 1=yes 2=no 3=Don't Know
- | | | |
|--|-----------------|-------|
| | RELHEAD2 | _____ |
|--|-----------------|-------|

For the following questions please cross-check the varieties farmer planted on first page
 Answer both **A** and **B** if the farmer knows recommended varieties **YET** he/she plants other varieties
 Answer **A only** if; farmer does not know the recommended varieties **OR**
 if the farmer knows and planted the recommended varieties

Q42. What are your reasons for choosing the varieties planted. **Indicate variety and tick against appropriate reason.**

	(A)				(B)		
	Reasons for choosing Varieties Planted				Reasons for not planting recommended Varieties		
	Varpl1	Varpl2	Varpl3		Varnp1	Varnp2	Varnp3
1. Taste is Good				1. Taste is poor			
2. Lack money to buy new seed				2. Priced too high - expensive			
3. Easily available				3. Not available			
4. Not attacked by storage pests				4. Easily attacked by storage pests			
5. Seed can be replanted				5. Seed cannot be replanted			
6. Does not rot in the field-closed tips				6. Rots in the field- due to open tips			
7. Produces big cobs				7. Cobs are small			
8. Does well with little rain				8. Maize plant too short			
9. High/er yielding				9. Does not produce without fertilizer			
10. Maize stover good for animal feed				10. Plant is too tall for area – logging			
11. Yields well even without fertilizer				11. Needs lots of rain to produce			
12. Early maturing				12. Grain prices are low			
13. Other(specify)				13. Other(specify)			

LIVESTOCK SPECIFIC

Q43. In the last 12 months indicate the type, source and cost of animal genetics

Type used 1. A.I 2. Own Bull 3. Hired bull	Source 1.Govt, 2. Coop 3. NGO 4. Welfare group 5. Private 6. Neighbours 7. Own	Cost per insemination/ service (Ksh)

Q44. Milk Production

	Peak	Unit	Low	Unit
Production/day				

Q44a. Milk Sale

	Morning (AM)				Evening (PM)			
	Channel	Quantity	Unit	Price	Channel	Quantity	Unit	Price
Peak								
Low								

Sales Channel Codes:

1:Self Hawking; 2-sell to Hawker, 3- sell to coop, 4- sell to marketing group, 5- sell to broker, 6- sell to processor, 7- sell to neighbour, 9- give to neighbour 10-other (specify) _____

Unit codes

1=kg, 2=750 ml bottle, 3=500ml bottle, 4=300ml bottle

FARMERS INSTITUTIONS:

Q45. Is anybody in this household a member of any farmers' institution –agricultural (e.g. society, association etc.) ?

1=Yes 2= No

FARMORG _____

Q46. If “No” why ?

1. No organization in the village I can join
2. Not interested/not had need for it
3. Fear of previous experience related to mismanagement
4. No time to participate as a member
5. Do not have enterprise(e.g coffee,tea,dairy)which qualifies one to be a member
6. Other (specify) _____

NOORG _____

Q47. If “Yes” name type of organization

1. Society
2. Association
3. Farmers group
4. Other (specify) _____

NAMEORG _____

Q48. Is anybody in this household a member of any self-help group (non-agricultural) e.g. welfare group ?

1=Yes 2= No

SEHGROUP _____

Do you have a bank account? 1=Yes 2=No _____

If Yes, where do your banking?

	What Type of Inst.	Where	Distance
1			
2			

Where did you do your banking 5 years ago

1			
2			

Institution Types

0 = none

1 Bank 2 Cooperative Sacco

3 Member group 4 Post Office 5 Other (specify)