

Egerton University - Tegemeo Institute/MSU
Rural Household Survey----Synthetic Survey Instrument, 2004

Location of data files: c:\docs\Kenya\Kenyahh2004\augdata

Files created for this questionnaire:

File name	Level of data	Page	Table description
allhhid04.sav	Household	4	Contains all households that were to be interviewed
hhidfinal04.sav	Household	4	Contains only households that completed the survey
hh04.sav	Household	5	General household level questions
incrop04.sav	Household, crop	11	Crop inventory-field crops, fruit trees & vegetables
field04.sav	Household, harvest, field	13	Acreage, tenure, land preparation types and costs
croplev04.sav	Household, harvest, field, crop	14	Details on crops grown, harvested amount, losses, sales & buyers for main and short seasons
fert04.sav	Household, harvest, field	15	Types and amount of fertilizer used
labour04.sav	Household sizefield, crop activity	16	Labour inputs for largest and second largest maize fields
MaizeSeed04.sav	Household, season, field, seed variety	17	Types of seed varieties used and their sources
Tfert04.sav	Household, input type	18	Fertilizer and other inputs purchased/hired using OWN cash
input04.sav	Household, input type	19	Inputs received or bought on credit
purch04.sav	Household, purchased product	20	Annual purchases for home consumption by 4-month periods
consumpt04.sav	Household, consumption item	21	Expenditures on food items over the past 30 days.
lstslid04.sav	Household, livestock	22	Livestock, inventory and sales
lstprd04.sav	Household, livestock product	23	Livestock production and sales
demogA04.sav	Household, member number	24	Details about adult household members listed in 2000 or 2002
demogA_A04.sav	Household, member number	25	Details about additional adult household members not listed in 2000 or 2002
demogC04.sav	Household, member number	26	Details about all children—those listed in 2000 or 2002 and new ones
mort04.sav	Household, person new ID	27	Previous deaths in household
hhinc04.sav	Household, person number, activity	28	Business and informal labour activities
salwg04.sav	Household, person code, activity	29	Salaried wage employment/permanent employment activities-includes pensions and remittances
asset04.sav	Household, asset	30	Household agricultural assets

Identifying Location Variables:

Filenames: allsurid04.sav and hhidfinal04. sav

Key variables: hhid

Variable code

Province: 1= Coast, 2= North Eastern, 3= Eastern, 4= Nyanza, 5= Western, 6= Central, 7= Rift Valley, 8= North Rift

prov _____

District:

dist _____

- 11 Kilifi
- 12 Kwale
- 13 Taita Taveta
- 31 Kitui
- 32 Machakos
- 33 Makueni
- 34 Meru
- 35 Mwingi

- 36 Embu
- 37 Mbeere
- 41 Kisii
- 42 Kisumu
- 43 Siaya
- 44 Nyamira
- 45 Homabay
- 51 Bungoma

- 52 Kakamega
- 53 Vihiga
- 54 Busia
- 61 Muranga
- 62 Nyeri
- 63 Kiambu
- 64 Nyandarua
- 65 Thika

- 71 Bomet
- 72 Nakuru
- 73 Narok
- 74 Trans Nzoia
- 75 Uasin Gishu
- 77 Nandi North
- 78 Nandi South
- 81 Laikipia

Division

div _____

- 111 Kalolenii
- 112 Bahari
- 121 Kinango
- 122 Msambweni
- 131 Mwatate
- 132 Magarini
- 135 Malindi
- 211 Central
- 212 Dadaab
- 213 Sankuri
- 214 Modogashe
- 215 Jalijila
- 216 Bura
- 311 Chuluni
- 321 Mwala
- 322 Masinga
- 331 Kilome
- 332 Kisau
- 333 Kaiti
- 334 Matiliku
- 341 W. Abothogucii

- 342 E. Abothogucii
- 343 Miriga_Meru East
- 351 Migwani
- 361 Manyatta
- 362 Kyeni
- 371 Siakago
- 372 Gachoka
- 373 Mwea
- 411 Marani
- 421 Kadibo
- 422 Nyando
- 423 Winam
- 424 Maseno East
- 431 Bondo
- 432 Uranga
- 441 Borabu
- 451 Asego
- 511 Kanduyi
- 512 Kimilili
- 513 Tongaren
- 521 Kabras

- 522 Mumias
- 523 Lugari/Likuyani
- 524 Municipality
- 531 Sabatia
- 541 Matayos
- 611 Kandara
- 612 Kangema
- 613 Kiharu
- 614 Maragwa
- 622 Mukurweini
- 623 Othaya
- 624 Kieni West
- 625 Kieni East
- 631 Githunguri
- 632 Lari
- 633 Kikuyu
- 634 Limuru
- 641 N. Kinangop
- 642 OIKalou
- 651 Gatanga
- 652 Kamwangi

- 711 Kimulot
- 712 Central Bomet
- 713 Siogiroi
- 721 Mbogoine
- 722 Molo
- 723 Njoro
- 724 Rongai
- 731 Ololunga
- 741 Cherangani
- 742 Saboti
- 743 Kaplamai
- 751 Ainabkoi
- 752 Moiben
- 753 Turbo
- 755 Kapseret
- 772 Kosirai
- 773 Kapsabet
- 774 Kabiyet
- 781 Kaptumo
- 811 Lamuria
- 821 Katilu

Location

- 111 Buni
- 112 Rabai
- 121 Vigurugani
- 122 Pongwe/ Kidimwi
- 131 Mwakitau
- 211 Township
- 212 Bar Algahi
- 213 Waberi
- 214 Korakora
- 215 Raya
- 216 Sankuri
- 217 Dertu
- 218 Yums
- 219 Kamudhi
- 311 Mbitini
- 321 Mwala,
- 331 Itaani
- 332 Kithangathini
- 333 Kilungu
- 334 Kilome/ Kilungu
- 341 Githongo
- 342 Katheri
- 343 Katheri East
- 351 Migwani
- 411 Mwamunari
- 412 Kegogi,
- 421 Kobura
- 422 Awasi
- 423 C. Kolwa
- 431 Usonga
- 432 N. Sakwa
- 511 Bukembe
- 512 Kamukunywa
- 521 Etenje
- 522 Shiruku
- 523 Likuyani
- 531 North Maragoli
- 601 Ithiru
- 611 Mbiri
- 612 Gikindu
- 613 Muguru
- 621 Muhito
- 622 Chinga
- 711 Kimulot
- 721 Sachangwan
- 722 Ngata
- 723 Weseges
- 731 Melelo
- 741 Kinyoro
- 742 Kaplamai
- 751 Sergoit
- 752 Olare
- 753 Chepkiolel/Kapsoya
- 754 Karona
- 755 Sergoit
- 811 Thigiti
- 821 Katuli
- 1121 Matsangoni
- 1311 Ganda
- 1312 Chakama
- 1321 Magarini
- 2110 Dadawa

- 3221 Masii/Kivaa
- 3321 Kiteta
- 3331 Kilala
- 3332 Ukia
- 3341 Kalamba
- 3421 Mwanganthia
- 3431 Munithu
- 3611 Nginda
- 3612 Ruguru
- 3621 Kyeni North
- 3711 Muminji
- 3721 Kithunthiri
- 3731 Makima
- 4212 East Kochieng
- 4241 Seme
- 4411 Nyansiongo
- 4412 Esise
- 4511 Homabay Township
- 5112 Bukembe
- 5113 Kibabii
- 5131 Mbakalu
- 5231 Nzoia
- 5232 Sinoko
- 5241 Bukhungu
- 5411 Bukhaya West
- 6108 Ngararia
- 6112 Kambirwa
- 6121 Ichagaki
- 6122 Nginda
- 6221 Gakindu
- 6222 Githi

location _____

- 6241 Endarasha
- 6251 Kabaru
- 6311 Githunguri
- 6312 Githiga
- 6321 Kinale
- 6331 Karai
- 6332 Kikuyu
- 6341 Ndeiya
- 6421 Ruiiri
- 6511 Gatanga
- 6521 Chania
- 7121 Merigi
- 7131 Moqor
- 7531 Kapyemit
- 7532 Soiani
- 7533 Kamagut
- 7551 Kapseret
- 7721 Itigo
- 7722 Lemmoko
- 7723 Sigot
- 7724 Kapisaka
- 7725 Chepterit
- 7731 Kapsabet
- 7732 Kipture
- 7733 Baraton
- 7811 Kaptumo
- 7812 Kabois
- 8111 Ngobit

Zone

1 = Northern Arid, 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.

Egerton University - Tegemeo Institute/MSU Rural Household Survey----Synthetic Survey Instrument, 2004

“We are part of a team at Egerton University, who are studying options for improving food crop marketing, pricing, and input distribution for smallholder farmers. They are also looking at how the performance of food markets affects households’ ability to produce high-valued cash crops. Your help in answering these questions is very much appreciated. Your participation is completely voluntary, and you do not need to answer any questions you do not want to. Your responses will be **COMPLETELY CONFIDENTIAL**. The interview will take about 1 hour to complete. If you choose to participate you may refuse to answer certain questions or you may stop participating at any time. Your responses will be added to those of 1,500 other households in Kenya and analyzed together. 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, Nairobi, or the head of UCRIHS at Michigan State University, Dr. Peter Vasilenko at 517 355 2180.

File names **allhhid04.sav** – contains all households that were to be interviewed. File Name: **hhidfinal04.sav** – contains only those households who completed the survey.

Household No. _____		_____	hhid
HH Name _____		_____	hhname
Respondent(s) _____		_____	respname

Instruction: Record the member number of the Respondent from the Demography table on page 20, 21 or 22 after the survey is completed.

WHICH SAMPLE DOES THIS HOUSEHOLD BELONG TO, TAMPA OR USAID		_____	memnum
		_____	sample

1 = TAMPA, 2 = USAID

USAID respondents only – Is the Household a beneficiary of USAID? 1 = yes, 2 = no, -889 = NA		_____	benefic
IF THE HOUSEHOLD IS NOT ABLE TO PARTICIPATE IN THE SURVEY, WHY NOT?		_____	intview

1 = household dissolved 2 = moved from area 3 = refused 4 = household member cannot be found 5 = other

Date: _____		_____	surdate
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Identifying Variables:

Province: _____		_____	prov
District: _____		_____	dist
Division: _____		_____	div
Location: _____		_____	loc
Sub-Location: _____		_____	subloc
Village: _____		_____	vil
Supervisor: _____		_____	snum
Enumerator: _____		_____	enum

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.

AGRICULTURAL ACTIVITIES

Filename: hh04.sav Key variable: hhid

Q 2.1 How many acres in total land holdings does the household own? _____ **tacres**

(Instructions: The following refer to the main season fields only. Enter the field ID from the crop table as the response. If there is no difference between best and worst fields, then enter 0. For Question 3.2, if there is only one maize field, enter -889.)

Q 3.1 Which of the fields has the best soil for raising maize ? _____ pr1a	Which has the worst soil for raising maize ? _____ pr1b
Q 3.2 Which of the maize fields provides the best yield response to fertilizer ? _____ pr2a	Which field has the worst yield response to fertilizer ? _____ pr2b
Q 3.3 Which field will absorb rain water well? _____ pr3a	Which field does the worst at absorbing rain water ? _____ pr3b
Q 3.4 Which field is the flattest or most level ? _____ pr4a	Which field is the least flat or least level ? _____ pr4b
Q 3.5 Which field retains the moisture best during dry periods ? _____ pr5a	Which field retains the least moisture during dry periods ? _____ pr5b

Labour Costs

Q 4.1a. In total, how much did you spend on **salaried** farm worker(s) for **cropping** activities in the **main** season? _____ **salfwrk1 (Ksh)**
(Remember to consider only the proportion of time spent specifically on cropping activities in the main season.)

Q 4.1b. In total, how much did you spend on **salaried farm worker(s)** for **cropping activities in the short season**? _____ **salfwrk2 (Ksh)**

Q 6. What **year** did this household **first use hybrid maize seed** (Enter 0 if household never used hybrid seed)? _____ **yearhymz**

Q 7. Is anyone in this household a **member** of any **co-operative or group**? 1 = Yes 2 = No _____ **grpmem**

Q7a. If Q7 = 1 (Yes), indicate **which cooperatives** the household belongs to? Specify up to 3 cooperatives. _____ **grpmem1**
 1=producer cooperatives 3=savings & credit cooperatives 2=multi-purpose cooperatives _____ **grpmem2**
 4=informal/self help groups 5=others (specify) 6=Kenya Women Finance Trust _____ **grpmem3**

Q 8. What **year** did this household **first use fertilizer** on crops (code=0 if never used fertilizer): _____ **yearfert**

Q 9. Did you purchase any fertilizer using **OWN** cash in the past year (between June 2003/May 2004)? _____ **purfert**
 1 = yes 2 = No → go to Q 11 3 = not sure → go to Q 11

Q 11. Did you **try to obtain** any **credit** (either cash or in kind) in 2003/2004? 1 = yes 2 = no 3 = not sure _____ **credtry**
 (If 2=no or 3=not sure go to Q 13)

Q 12. If yes, for what purpose: 1=school fees, 2=medical, 3=household needs, 4=farming, 5=other. 6=business, 7=buy land
 8= construction _____ **credwhy1**
 (Specify up to 2 purposes) _____ **credwhy2**

Q 13. During 2003/2004 cropping year did you **receive credit** in cash or in kind? 1 = yes 2 = no 3 = not sure _____ **credrecv**

Q 14. Did you receive **credit for agricultural production** (either cash or in kind) in the 12 months (since June 2003)? _____ **credag**
 1 = yes 2 = no

Q 15 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: _____

MAIZE STOCKS

Q 16 How many 90 kg bags of **maize** did you have **in stock** from **your own production** just **before** you began **harvesting** your 2003/2004 main season maize crop (Jan-March 2004 for East; July-Aug 2003 for West; Nov-Dec 2003 for R, Valley)? _____ (bags) **bagsstk**

Q 17 How many 90 kg bags of **maize** do you have **in stock** right **now from the last harvest**? _____ (bags) **bagstk04**
 (**Instructions:** record "NA" if the household did not plant maize.)

Q 18 IF **Q 17 = 0** (no bags), in which **month** and **year** did you run out of maize stocks from your own production? _____ (month) **mthfin04**
 Month codes: 1=Jan, 2=Feb, 3=Mar, 4=Apr, 5=May, 6=Jun, 7=July, 8=Aug, 9=Sept, 10=Oct, 11=Nov, 12=Dec
 -9 – Information could not be obtained _____ (year) **yrfin04**

INFRASTRUCTURE (Distance should be recorded in kilometres, Km)

Q 19. Distances from your homestead

- a. How far are you from where you buy **fertilizer**? **fertkm** _____ -889 – does not buy
- b. How far are you from the nearest **fertilizer seller**? **fertskm** _____ -889 – don't know
- c. How far are you from where you buy **hybrid maize seed**? **seedskm** _____ -889 – does not buy
- d. How far are you from the nearest seller of **hybrid maize seed**? **certmaiz** _____ -889 – don't know

Q 20 Distances from your homestead to these places

- | | | |
|--|-----------------------|---|
| a) How far are you from a motorable road ? | dmtroad _____ | |
| b) How far are you from a tarmac road ? | dtmroad _____ | |
| c) Is the nearest tarmac road better, worse or the same as in 2000? | ctmroad _____ | 1=better, 2=worse, 3=the same, 4=not sure |
| d) Has the location to the nearest shopping centre changed since 2000? | Shopchng _____ | 1 = yes → go to q20e, 2 = no |
| d1) If d)=2 (no) , what was the matatu/bus fare to this centre in 2000? | fare00 _____ | (ksh - enter -889 if no matatu/bus goes there) |
| e) What is the current matatu/bus fare to this same centre? | fare04 _____ | (ksh - enter -889 if no matatu/bus goes there),
0 walks to shopping center |
| e1) What is the current distance in km to this same centre? | dist04 _____ | |
| f) How far are you from a matatu/bus stop ? | dm3stop _____ | |
| g) How far are you from piped water ? | dph2o _____ | |
| h) How far are you from a health centre ? | dhlctr _____ | |
| i) How far are you from electricity ? | dlect _____ | |
| j) How far are you from public telephone services ? | dtelep _____ | |
| k) How far are you from mobile telephone services ? | dmobile _____ | |
| l) How far are you from extension advice ? | dextn _____ | |
| m) How far are you from veterinary help ? | dvet _____ | |

PURCHASES

We would like to know the prices of sifted maize flour and other fertilizer in this area.

(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 22 through 25. If the respondent does not know the price of a “50 kg bag”, record -887, do not know. These questions refer to a “**50 kg bag**” and NOT the “quantity” of 50 kgs. (If the respondent does not know the price of an item in any unit record -887.)

- | | | <u>Price</u> | <u>Unit</u> |
|---|--------------|----------------|----------------------|
| Q 21a 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.) | | | |
| Q21b What is the price of a 2 kg packet of sifted maize flour in this area? (-887 = Do not know) | (ksh): _____ | psifted | |
| Q 22. What is the price of DAP in this area? (record the price and unit of measure) | (ksh): _____ | dap | _____ udap |
| (Instruction: Do not ask this question if the unit given for DAP is a 50 kg bag.) | | | |
| Q22b What is the price of a 50 kg bag of DAP in this area? (-887 = Do not know) | (ksh): _____ | pdap | |
| Q 23. What is the price of urea in this area? (record the price and unit of measure) | (ksh): _____ | urea | _____ uurea |
| (Instruction: Do not ask this question if the unit given for urea is a 50 kg bag.) | | | |
| Q23b What is the price of a 50 kg bag of urea in this area? (-887 = Do not know) | (ksh): _____ | purea | |

Q 24. What is the price of **NPK(20:20:0)** in this area? (record the price and unit of measure) (ksh): _____ **npk** _____ **unpk**

(**Instruction:** Do not ask this question if the unit given for NPK(20:20:0) is a 50 kg bag.)

Q24b What is the price of a **50 kg bag** of **NPK(20:20:0)** in this area? (**-887 = Do not know**) (ksh): _____ **pnpk**

Q 25. What is the price of **CAN** in this area? (record the price and unit of measure) (ksh): _____ **can** _____ **ucan**

(**Instruction:** Do not ask this question if the unit given for CAN is a 50 kg bag.)

Q25b What is the price of a **50 kg bag** of **CAN** in this area? (**-887 = Do not know**) (ksh): _____ **pcan**

UNIT CODE:

1 = 90 kg bag	6=bunches	19 = 2 kg packet
2=kgs	7=handfuls	20 = 5 kgs
3=litre	9=gorogoro	21 = 10 kgs
4=crates	11 = 50 kg bag	22 = 25 kgs
5=numbers	12=debe	-887 = don't know
	13=grams	
	18 = 1 kg packet	

LIVESTOCK

Q 28.a. How much milk, on average, does your household consume per day, whether from home production, purchases or receipts (litres)? _____ **mlkcon**

Q 28.b. In total over the 12 months (June 2003 to May 2004), how much did you spend on **veterinary services** for your **cattle**, including tick control, vaccines, veterinary and AI/bull services? _____ (Ksh) **vet serv**

Q 29. In total over the 12 months (June 2003 to May 2004), 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.**) _____ (Ksh) **sallvstk**

Q 30. In total over the 12 months (June 2003 to May 2004), how much did you spend on **purchased feed** for your **cattle**, for example, fodder, concentrates, salt, minerals, etc? _____ (Ksh) **animfeed**

Q 31.1 How many cows on average were being milked at any one time over the year, June 2003 – May 2004? _____ **cowmilk**

PREVIOUS DEATHS

Q32.4.1 Since May 2000 or May 2002, has there been anyone-child or adult member of the household-who died? **1=yes 2=no** _____ **memdied**

LABOR AND LAND

- Q 36** What is the **daily wage rate** for **general farm labor** in this area? (Ksh per day): _____ **wagerate**
- Q 37** For this wage, what is the **typical number** of hours **worked per day**? (Hours): _____ **hours**
- Q 38** What is the **land rental rate for one acre of good quality land for one year** in this area? (Ksh per acre): _____ **lrry**
- Q 39** What is the **land rental rate for one acre of good quality land for one season** in this area? (Ksh per acre): _____ **lrrs**
- Q 40** Posho mill charge for 1 gorogoro (2.25 kg) of maize into straight posho meal? (Ksh per 2 kg tin): _____ **poshor**
- Q41.** What year did the head of this household become head of the household (and assume control of his own land)? _____ **yearland**
- Q 42.** Over the **past 10 years** (from 1994), have the following **situations improved, become worse, or stayed about the same.**

	1 = improved 2 = same 3 = worse 4 = don't know	
Health care in this area		hlthcare
Education in this area		educ
Local government - Council services in this area		locgov
Opportunities to sell maize in this area		sellmaiz
Opportunities to buy fertilizer in this area		buyfert
Availability of water in this area		water
Security in this area		security
Household well-being in this area		well_be

Q 43 Assume a **government project** were to be developed to **grow crops during the off-season when there is less to do**. If the project wanted to **hire people** from this area to work for **TWO months during the off-season**, working **6 hours a day, 5 days a week**, would you **personally be willing to work for the full 2-month period** earning a **wage rate** of:

15 = *Ksh 400/day*

14 = *Ksh 360/day*

13 = *Ksh 320/day*

12 = *Ksh 280/day*

11 = *Ksh 240/day*

10 = *Ksh 200/day*

9 = *Ksh 180/day*

8 = *Ksh 160/day*

7 = *Ksh 140/day*

6 = *Ksh 120/day*

5 = *Ksh 100/day*

4 = *Ksh 80/day*

3 = *Ksh 60/day* <----- *Start at this level (go up and down depending on response)*

2 = *Ksh 40/day*

1 = *Ksh 20/day*

99 = *No, I would not do this work for any of these wage rates*

_____ **howpay**

Q 44 (**Instructions:** Rate how you think the family's economic condition compares to most households in this area.)

1=better off

2=worse off

3=about the same

_____ **ecompare**

Ask the respondent:

Q 45 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**

Comments field to document unusual values in this household level file.

_____ **comment**

Q1. CROP INVENTORY (FIELD CROPS, FRUIT TREES, AND VEGETABLES):**incrop04.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 2003/2004 year**

Field Crop	Did you <i>produce</i> this crop during either main or small harvest? -889 = yes	Vegetable/Fruit (non-tree)	Did you <i>produce</i> this vegetable during either main or small harvest? -889 = yes	Tree/Fruit Crop Tcrop04.sav	How many <i>productive</i> trees do you own? 0=none <i>or</i> enter number
crop	numprod	Crop	numprod	crop	numprod
<i>Instructions: Prompt the respondent for each of these crops ... Instructions: Prompt the respondent for each of these crops ... Instructions: Prompt the respondent for each of these crops</i>					
beans	7	cabbage	93	avocado	97
cassava	28	carrot	94	banana	10
cowpeas	21	capsicum/sweet peppers	67	Coffee, any type	11
Irish potatoes	27	chilie peppers	131	Guava	72
maize	1	indigenous veks	140	lemons	74
millet	9	onions	96	mango	73
sorghum	8	pumpkin	76	orange	75
sugar cane (ind)	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>Instructions: probe for any other crops from this list, using the regional list of important crops ... Instructions: probe for any other crops from this list, using the regional list of important crops</i>					
arrowroots	44	brinjals/biriganya	129	Apples	119
barley	60	cauliflower	175	cashew nuts	24
bulrush millet	169	cowpea leaves	19	coconuts, all types	23
caster oil	146	cucumber	125	Dates (figs)	192
corn flower	168	eggplant	71	Lugard	118
cotton	14	french beans	25	macadamia	135
flowers	20	runner beans	171	matomoko	120
fodder	22	garlic onion	138	Miraa	148
green grams	34	gourds	62	mkunga	197
groundnuts	33	grapes	179	mkuyu	196
njahi	147	green peas	167	Nathi	165
oats	32	green maize	2	peaches	166
pigeon peas	141	okra	77	Pears	134
pyrethrum	17	other leaves	184	Plums	121
rice	31	squash	124	pomegranate	178
sisal	16	strawberries	177	simsim	78
soyabeans	160	sugar beets	187	Stafali	190
sunflower	30	sugarcane (chewing)	170	tamarind	3
tobacco	29	sweet melon	68	tangerine	136
		turnips	161	tree tomato	162
		yellow passion fruit (mero)	95	trees, commercial	5
		watermelon	69	white suppoise	163
				wild berries	149
				zambarao	174

Alphabetically arranged crop codes:

amaranthus	140			mulberry	122	sorghum	8
apple	119	eggplant	71	mushrooms	79	soyabeans	160
arrowroots	44					spinach	66
avocado	97	flowers	20	nathi	165	squash	124
		fodder	22	njahi	147	stefali	190
bananas	10	French beans	25			strawberries	177
barley	60			oats	32	sugar beets	187
beans	7	garlic onion	138	okra	77	sugarcane	15
brinjals/biriganya	129	gourds	62	onions	96	sugarcane, chewing	170
bulrush millet	169	grapes	179	oranges	75	sukuma wiki	64
		green beans	18	other leaves (bean,njahi)	184	sunflower	30
cabbage	93	green grams	34			sweet melon	68
capsicum/sweet peppers	67	green peas	167	passion fruit	137	sweet potato, leaves	42
carrots	94	green peas, dried	164	pawpaws	70	sweet potatoes	43
cashew nuts	24	groundnuts	33	peaches	166		
cassava	28	guava	72	pears	134	tamarind	3
castor oil	146			pepper, bell	65	tangawizi	189
cauliflower	175	indigenous vegs	140	pigeon peas	141	tangerine	136
chillie peppers	131	indigenous grains	139	pigeon peas, green	142	tea	12
coconuts	23	Irish potatoes	27	pineapples	133	tobacco	29
coconuts, dried	194			plums	121	tomatoes	63
coconuts, green	193	lemons	74	pomegranite	178	tree tomato	162
coffee, cherries	6	lettuce	173	poyo	35	trees, commercial	5
coffee, churned	176	lugar	118	pumpkin	76	turnips	161
coffee, mbuni	11			pumpkin leaves	172		
corn, baby	26	macadamia nuts	135	pyrethrum	17	watermelon	69
corn flower	168	maize, dry	1			wheat	13
cotton	14	maize, green	2	rice	31	white suppoise	163
cowpeas	21	mangos	73	runner beans	171	wild berries	149
cowpeas leaves	19	matomoko	120				
cucumber	125	millet	9	saina	36	yams	81
		miraa	148	simsim	78	yellow passion fruit(mero)	95
dates	192	mkunga	197	sisal	16		
dhania	183	mkuyu	196	snow peas	90	zambarao	174

Q 2.2 CROP 2003/2004 (Main Crop - Eastern Kenya refers to Jan-March 2004 harvest, Western, Coast, Central July/October 2003; R.Valley Nov/Dec 2003)
(Short Crop – Eastern Kenya refers to July-Sept 2003 harvest, Western Kenya Nov-Jan 2004)

field04.sav Key variables: *hhid, harvest, field*

Harvest season 1=Main 2=Short	Field number	Acres	Is this field 1=owned w/ deed 2=owned w/o deed 3=rented 4=owned by parent/ relative 5=government/communal/co-operative	Main land prep type 0=none 1>manual 2=oxen 3=tractor	Hired land preparation cost (Ksh)
harvest	field	acres	tenure	landprep	lpcost

(**Main Crop** - Eastern Kenya refers to Jan-March 2004 harvest, Western, Coast, Central July/October 2003; R.Valley Nov/Dec 2003)

(**Short Crop** – Eastern Kenya refers to July-Sept 2003 harvest, Western Kenya Nov-Jan 2004)

Croplev04.sav Key variables: *hhid, harvest, field, crop*

Harvest Season 1=Main 2=Short	Field No.	Crop code	Planting/ Seed Type 1=Purch Hybrid 2=Ret Hybrid 3=OPV 4=local var 5=seedlings /cuttings /splits 6=Hybrid & local mix 7=Hybrid purch & ret	Quantity of seed used and cost, if purchased this season			Harvest -777 = not yet harvested		Sales		Month of largest sale	Price received on largest sale transaction Use sale unit code	Kms from farm to point of sale	Buyer type (largest sale): 1=small trader 2=large company 3=KTDA 4=coffee coop 5=NCPB 6=miller 7=other coop 8=NGO 9=consumer	Amount planning to sell Use sale unit codes	Quantity harvested that spoiled Use harvest unit codes	Harvest Kg conversion value	Kgs harvested	Sold Kg conversion value	Kgs sold	Comments	
				Qt	Unit	Cost per unit	Qt	Unit	Qt	unit												
harvest	field	crop	sdtype	sqt	sunit	scost	hvt	hunit	sold	slunit	mon	price	km	buyer	tbsold	spoil	hkgconv	kgharv	skgconv	kgsold	comment	
Unit codes:				5=numbers	13=grams																	
				1=90 kg bag	6=bunches	14=wheelbarrow																
				11=50 kg bag	7=handfuls	15=cart																
				2=kgs	9=gorogoro	16=canter																
				3=litre	10=tonnes	17=pickup																
				4=crates	12=debe																	

Fertilizer Use

fert04.sav Key variables: *hhid, harvest, field, ferttype, fertunit*

Harvest season 1=Main 2=Short	Field no.	Fertilizer type used	Unit of fertilizer type	Quantity of fertilizer type	Kg conversion value	Kgs of fertilizer
harvest	field	ferttype	fertunit	fertqty	kgconver	ferttotal
Unit codes: 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	Fertilizer codes: 0=None 1=DAP 2=MAP 3=TSP 4=SSP 5=NPK (20:20:0)	6=NPK (17:17:0) 7=NPK(25:5:+5S) 8=CAN(26:0:0) 9=ASN(26:0:0) 10=UREA(46:0:0) 11=SA(21:0:0) 12=Other (specify) ____	13=manure 14=Foliar feeds 15=NPK(23:23:23) 16=NPK(20:10:10) 17=DAP + CAN 18=compost 19=magmax lime	20=DSP 21=NPK(23:23:0) 22=NPK(17:17:17) 23=NPK(18:14:12) 24=NPK(15:15:15) 25=Mavuno 26=Kero green

LABOR COSTS

Instructions: Ask about total labour inputs from the two (2) largest MAIZE fields (either intercrop or pure stand). Look at Table 2.2 to determine which fields these are and record the field number in each of the appropriate tables. Two pages are provided for each field. If a household has only one maize field, then the second field should be the largest non-maize field. Please fill in the total hours later, by adding all the values in the hours columns. Make sure you inquire about and include all gang labour.

Q 4.2 and 4.3. What labour inputs have you used for the largest maize field for the 2003/2004 main season and for the second largest maize field.

labour04.sav Key variables: hhid, sizefld, field, crop, activity

Field size 1= largest 2=2 nd largest	FIELD # (copy # from Table 2.2)	Crop	Labor activity	Hired Labour				Family Labour (adults)								Family Labour (children)			Comments							
				# hired	# of days	Kshs per person per day	Total Kshs by contract	# of males	# of hours each	Total Hours	# of females	# of hours each	Total Hours	# of children	# of hours each	Total hrs										
sizefld	field	crop	activity	lb01	lb02	lb03	lb04	lb05					lb06	lb07					lb08	lb09				lb10	comment	

ACTIVITY CODES

1=nursery for vegs/tea 2=terracing 3=slash/burn/bush clearing 4=1 st plough 5=2 nd plough 32=3 rd ploughing 6=harrow 7=ridging 8=furrowing 85=plough/plant 86=landprep/planting 9=planting (include manuring and holing) 53=planting & manuring 37=furrow/plant 8=holing 34=manuring 92=manure/holing 73=clear/manure	10=mulching 11=1 st weeding 55=1 st weeding & top dressing 76=weed/top dress 77=weed/mulch 12=top dressing 13=irrigation/watering 90=irrigation/plough 14=2 nd weeding 15=propping/wiring/desuckering 16=3 rd weeding 33=4 th weeding 17=pruning 81=prune/mulch 18=dusting 19=spraying 20=stooking 21=watchman 48=stooking & harvesting	87=stooking/transport/harvest 22=harvesting 51=harvest & haul to storage 52=harvest & dry 46=harvest/thresh/winnow 66=harvest/thresh/winnow/bag 56=harvest/shell/bag 93=harvest/sort 80=harvest/bag 75=harvest/transport 72=harvest/shelling 78=harvest/grade/bag 79=harvest/grade/pack/haul 61=threshing 23=threshing and winnowing 94=thresh/winnow/store 49=thresh/winnow/bag 70=thresh/store 71=thresh/bag/store	47=threshing/bagging 57=threshing & drying 68=thresh/winnow/dust/bag /store 62=winnowing 40=winnowing & dusting 60=winnowing & bagging 82=winnow/grade 889=winnow/dust/bag 24=grading 25=haul to storage 58=haul to storage/bagging 26=shelling labour 95=shell/winnow/store 41=shelling & bagging 45=shell/bag/sort 69=shell/bag/store 84=shell/store 50=shell/bag/dusting 83=shell/haul to storage	63=shelling/post harvest dusting 27=total sheller cost 110=sorting 28=post harvest dusting 29=drying 30=bagging 59=drying & bagging 91=sort/bag 54=bag & store 74=weigh/bag 38=dusting & bagging 64=weigh/bag/post harvest dusting 65=dust/bag/store 67=dust/store 31=other(specify) 35=fertilizing 36=transport 39=thinning 42=fencing	43=stacking 44=crushing 96=leaf removal 97=thrush lining 98=uprooting stem 99=peeling 100=fire break 101=mixing 102=loading 103=sewing bags 104=collecting herd pens 105=cutting stover 106=maintenance 107=milling 108=logging 109=grafting 111=grinding
---	--	--	--	---	---

USE OF MAIZE SEED, FERTILIZER AND CREDIT

Q 5. Indicate the types of maize seed planted in the main and short seasons: (Instructions: Refer back to the crop table and copy the field numbers and seasons, where maize was planted, to this table. Then ask the questions.)

MaizeSeed04.sav Key variables: *season, field, sdvar*

Season 1=Main 2=Short	Field No.	Maize seed varieties planted Use code below.	Seed Type 1=Purchased hybrid 2=Retained hybrid 3=Purchased OPV 4=Retained OPV 5=Purchased local variety 6=Retained local variety	How did you obtain this seed? 1=Cash purchase 2=Credit 3=Exchange 4=Free 5=Retained seed	Quantity used on this particular field		Cash or Credit Cost		Exchange Cost. Estimate the value of any in-kind costs of the seed (Ksh)	Comments
							Total value	Price per unit		
season	field	sdvar	sdtype	sdobtain	qty	units	value	price	exchcost	comment

Seed Variety Code:

1=614
2=611
3=622
4=623
5=625
6=627
7=628
8= 511
9=512
10=513
11=Pioneer,
12=CG 4141
13=CG 5051
14=CG 5252
15=Pan 5195

16=Pan 5355
17=Pan 5243
18=Pan 99
19=Maseno DC
20=DLC
21=DH1
22=DH2
23=DH3
24=DH4
25=Katumani
26=PH1
27=PH2
28=Coast Composite
29=Indigenous/Local type
30=Other _____(specify)
31=Don't know

32=514
33=613
34=626
35=636
36=9401
37=Kinyanya
38=Makueni
39=PH4
40=Western Seed 699
41=Western Seed 904
42=612
43=Pan67
44=Monsanto
45=Western Seed
46=Faida Seed 650
47=GM (genetically modified) seed

48=Rwanda
49=Pan 691
50=PH 1033
51=DK 8071
52=629
53=621

Unit Code:

1 = 1 Kgs
2 = 2 Kgs
3 = 5 Kgs
4 = 10 Kgs
5 = 25 Kgs
9=gorogoro

USE OF FERTILIZER

Q 10. If you purchased any fertilizer using **OWN** cash in the past year (between June 2003/May 2004), what **types** of fertilizer and other inputs did you purchase/hire with your **OWN cash**? (Instructions: for inputs that are not fertilizers, please limit the question to **maize** fields **only**)

Tfert04.sav Key variables: *hhid inputype, fertsrce, punit*

Input 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 (specify)____ 13=Manure 14=Foliar feeds 15=NPK (23:23:23) 16=NPK (20:10:10) 17=DAP + CAN 19=Magmax Lime 20=DSP 21=NPK (23:23:0)	22=pesticide 23=insecticide 24=herbicide 25=plough 26=sprayer 27= AT equip 28=land preparation 29=technical support 30=fungicide 31=water 32=other (specify) 33=NPK (22:6:12) 34=Mavuno 35=Kero green 36=planting 37=harvesting 38=transport 39=shelling 40=fuel 41=gunny bags 42=ridging	Fertilizer Source (Instructions: fill for only fertilizers) Source codes: 1=small trader/stockist 2=large company 3=KTDA 4=coffee coop 5=other coop 6=farmer 8=NGO 9-KFA 10=other (specify) 11=relative	Amount Purchased	Unit Type Unit codes: 2=kg 3=litre 4=gram 5=5 kg bag 6=10 kg bag 7= 25 kg bag 10=tonnes 11=50 kg bag 14=w/barrow 15=cart 16=days 17=number	Price per unit specified	Kms from point of purchase to farm (Instructions: fill for only fertilizers)	Transport Cost per Unit of the fertilizer (KShs) (Instructions: fill for only fertilizers)	comments
inputype	fertsrce	numpur	punit	inputpr	fertkm	trancost	comment	

Q 14.1 If you received credit for agricultural production, which inputs did you receive on credit? (**Instructions:** if more than one fertilizer is mentioned, place each on a separate row but code both as fertilizer.)

input04.sav Key variables: *hhid, input, credkind, amtinput, inpunit, inpvalue*

Input type received or bought on credit		Type of Credit	Quantity Received or Bought	Unit of Input	Value of Input per Unit Specified	Credit Source	How is the credit repaid?	comments
				inpunit		inpvalue		
1=fertilizer	15=livestock	1=cash credit 2=in kind		1=90 kg bag		1=AFC	1=crop revenue 2=livestock revenue 3=off farm income 4=both livestock and crop revenue	
2=seed/seedlings	16=fungicide			11=50 kg bag		2=commercial bank		
3=pesticide	17=water			2=kgs		3=cooperative/SACCO		
4=insecticide	18=sacks			3=litre		4=KTDA		
5=herbicide	19=petrol			4=crates		5=sugar company		
6=plough	20=harvesting			5=numbers		6=local private trader		
7=sprayer	21=planting			6=bunches		7=large company		
8= AT equip	22=transport fee			9=gorogoro (2 kg)		8=NGO/MFI		
9=land preparation	23=weeding			10=days of support		9=informal money lender		
10=technical support	24=cash money			11=50 kg bag		10=friend/relative		
11=livestock drugs	30=assets					11=other (specify)		
12=livestock feed	31=buying land					12=ROSCA (rotating savings and credit assoc)		
13=other farming activity (specify) _____	32=renting land							
14=compost mixture	33=construction of farm structures							
	34=fencing							
	35=for broilers							
input	credkind	amtinput	inpunit	inpvalue	inpcred	inppaid	comment	

Q 26 PURCHASES FOR HOME CONSUMPTION between **June 2003 and May 2004** (Instructions: Relate the periods to either food deficit or surplus periods. Leave the price blank if purch = 2 (gift/relief) and note if a specific product is gift/relief if not maize grain.)

purch04.sav Key variables: *hhid purch*

Purchased products	About how much did you buy over the past 4 months – Feb - May 2004?		Price per Unit	About how much did you buy between Oct 2003 and Jan 2004?		Price per Unit	About how much did you buy between June 2003 and Sept 2003?		Price per Unit	Complete only if the respondent cannot answer by 4 month periods		Average Price	comments	Period 1 - Kg conversion	Kgs Feb-May 04	Period 2 - Kg conversion	Kgs Oct 03 - Jan 04	Period 3 - Kg conversion	Kgs June - Sept 03	12 month period - Kg conversion	Kgs June 03 - May 04	Total kgs purchased	
	price1	price2		price3	totqty		totunit	totprice		comment	kgcunit1												kg1

- Purchased products**
- 1=Cash or barter - maize grain
 - 2=gift/relief-maize grain
 - 3=Packaged sifted maize meal
 - 4=Posho meal
 - 5=Beans/dried peas/legumes
 - 6=Millet/sorghum
 - 7=Wheat flour
 - 8=Rice
 - 9=Cassava
 - 10=Matooke/cooking bananas
 - 11=Irish Potatoes
 - 12=Meat (any kind, except fish)
 - 13=Sugar
 - 14=Cooking oil
 - 15=Wheat Bread
 - 16=Sweet Potatoes
 - 17=Milk
 - 18=Eggs
 - 19=Fish

- Unit code:**
- 1 = 90 kg bag
 - 11 = 50 kg bag
 - 2=kgs
 - 3=litre
 - 4=crates
 - 5=numbers
 - 6=bunches
 - 7=handfuls
 - 9=gorogoro
 - 12=debe
 - 13=grams
 - 18 = 1 kg packet
 - 19 = 2 kg packet
 - 20 = 5 kgs
 - 21 = 10 kgs
 - 22 = 25 kgs

EXPENDITURES

Q 27 Expenditures on food items: over the past 30 days.

consumpt04.sav Key variables: hhid, fooditem

Food Item	Did the HH purchase this item over the PAST 30 DAYS? 1 = yes 2 = no— >go to JANPUR	Where did HH purchase most of this product? See purchase location codes bottom next page	If your household purchased this item during the PAST 30 DAYS					ANSWER ONLY ONE		Thinking back to January 2004, what was the approximate quantity purchased of this item (same unit code) (Instructions: If the household did not purchase this item in the past 30 days, record the unit of measure in UNITPUR.)	Total kgs purchased in January	What was the total expenditure on this item in January 2004? (KShs)	Comments
			TOTAL Quantity purchased by hh over the past 30 days? (see unit codes below)					Most common price HH paid for this item over past 30 days? (Ksh/unit) Instructions: Use same unit as for purchases)	TOTAL EXPENDITURE on this item over the past 30 days				
fooditem	purch	locpur	qntpurch	unitpur	kgconver	totkgs	price			totexp	janpur	kgsjan	jtotexp
Vegetables:													
Irish Potatoes	26												
Tomatoes	28												
Cabbage	29												
Sukuma wiki	30												
Carrots	31												
Onions	32												
Fruits:													
Bananas (ripe)	34												
Cooking Bananas	35												
Avocado	36												
Oranges	37												
Pawpaws	38												
Mangoes	39												

Purchase Location Codes:

1=Large Supermarket Chains (Uchumi, Nakumatt, Ukwalu, Tusker)
2=small supermarket (not a chain)
3=Duka /Shop
4=Green grocer (building with concrete/stone walls, electricity -- permanent construction)
5=Market

6=Hawker (seller with no physical sales infrastructure)
7=Kiosk or Kibanda (non-permanent construction)
8=Milk bars
9=Dairy plant

10=Butchery
11=Neighbour
12=Posho mill
13=Restaurant
14=Other (specify)___
15=Institutions

Unit Codes

1=90 kg bag
2=kgs
3=litre
4=crates

5=numbers
6=bunches
7=handfuls
9=gorogoro

10= 2 kg packets
11=50 kg bag
12= 1 kg packets

13=grams
14=debe
15=tray

LIVESTOCK 2003-2004Please tell us about your *livestock* activities over the 12 months, June 2003-May 2004**Lstslid04.sav** Key variables: *hhid, livecode*

Livestock code		Number Owned June 2003	Number Purchased	Unit Price at Purchase (Ksh)	Number Consumed	Number Sold	Average Unit Price When Sold (Ksh)	Number owned May 2004	Current Value Per Unit (Ksh)	Comments
livecode		numown	purch	uprice	consume	sold	avgpric	nmay04	curval	comment
Grade cow	1									
Grade bull	4									
Grade calves	7									
Cross cow	2									
Cross bull	5									
Cross calves	8									
Local cow	3									
Local bull	6									
Local calves	9									
Sheep	10									
Goat	11									
Chicken	12									
Ducks/Geese	13									
Turkeys	14									
Pigs	15									
Rabbits	16									
Camels	17									
Doves/Quail	18									

LIVESTOCK OUTPUT

Q 31.2 Now we would like to talk about the *livestock products* you produced during the past year.

lstprd04.sav Key variables: *hhid, liveprod*

Reference period: *June 2003 – May 2004*

Livestock Product	Number of months of production per year	Average production/month	Unit of Production.	Number of months of sales per year	Average Amount sold /month	Price received /Unit (Kshs) on the largest sale	Buyer type of largest sale	comments
			1 Kgs 2 Litres 3 Trays 5 Numbers				1=Cooperative societies 2=K.C.C. 3=Private processors/traders 4=Hawker 5=Institutions/Hotels 6=Consumer/Neighbor/Farmer 7=Other (specify)	
liveprod	mnthprod	avgprod	unit	mnthsold	qtysold	price	buyer	comment
Milk	1							
Eggs	2							
Honey	3							
Ghee	4							
Hides and skin	5							
Fish (if have fish ponds)	6							
Other (specify):	7							
Goat milk	8							
Wool	9							
Manure	10							
Broilers	11							

Q 32: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS

Q32.1 TAMPA households: Adults born on or before 1989 (15 years and above). Include new or additional adult members in TABLE 32.2.

USAID households: Use this table for all adult household members, leave the additional members table empty and fill the children table in, starting at MEM # 51.

Instructions: Ask all questions of the head and spouse for the household regardless of how many months they were living at home.

DemogA04.sav Key variables: *hhid, mem*

Reference Period: The Past 12 months June 2003 to May 2004

ID	Name	In which year was this person born? <i>Note: it should bein or earlier than 1989</i>	What is the sex of ? <i>1=male 2=female</i>	Relationship to current head <i>See code below</i>	Marital Status <i>See codes below</i>	Is attending formal school? <i>1 = Yes 2 = No</i>	What is the highest level of education ...completed? <i>See codes below</i>	Is this person currently considered a member of this household? <i>1=Yes -> Go to DA09 2=No</i>	If this person is not a member of this household anymore, why? <i>See code below</i>	How many months in the past 12 months has this person been living at home? <i>If DA09 = 0 months, then go to next member</i>	Did this person receive cash from a formal or informal business activity between June 2003 & May 2004? <i>1=Yes 2=No</i>	Did this person receive cash or payment in kind from salaried employment, wage activities, remittances, or pensions between June 2003 & May 2004? <i>1=Yes 2=No</i>	Has this person been chronically ill for any 3 month period in the last 12 months and unable to perform hh duties? <i>1= Yes 2= No</i>	comments
mem	name	da01	da02	da03	da04	da05	da06	da07	da08	da09	da10	da11	da12	comment
1														
2														
3														
4														
5														
6														
7														

Relationship to head (da03)

- 1= head
- 2= spouse
- 3= own child
- 4= step child
- 5= parent
- 6= brother/sister
- 7= nephew/niece

- 8= son/daughter-in-law
- 9= grandchild
- 10=other relative
- 11=unrelated
- 12=brother/sister-in-law
- 13=parent-in-law

Marital Status (da04)

- 1 = single
- 2 = monogamously married
- 3 = polygamously married
- 4 = divorced
- 5 = widowed
- 6 = separated
- 7 = other (specify)
- 8 = do not know

Education levels (da06)

- 0=None
- 1-14 for years completed
- 20=some college
- 21=some university
- 22=completed college
- 23=completed university
- 24=postgraduate

Reason for absence (da08)

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

- 7=other (specify)
- 8=went back home
- 9=another household
- 10=farm worker left
- 11=went missing

Q 32.2 Additional Adults Now Resident but not Listed in 2000 or 2002 and born on or before 1989 (15 years and above)

DemogA_A04.sav Key variables: hhid, mem

Reference Period: The Past 12 months June 2003 to May 2004

ID	Name	In which year was this person born? <i>Note: it should be in or earlier than 1989</i>	What is the sex of? <i>1=male 2=female</i>	Relation-ship to current head <i>See code below</i>	Marital Status <i>See codes below</i>	Is attending formal school? <i>1 = Yes 2 = No</i>	What is the highest level of education completed ? <i>See codes below</i>	What year did come to reside here?	How many months in the past 12 months has this person been living at home?	Was a member of the hh in 2000 or 2002? <i>1 = Yes-> Go to AD11 2 = No</i>	Why did this new member join the household? <i>See code below</i>	Before coming to reside in this hh, was engaged in 1 = yes, 2 = no			After coming to reside in this household			Comments
												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 2003 & May 2004? <i>1=Yes 2=No</i>	Did this person receive cash or payment in kind from salaried employment, wage activities, remittances, or pensions between June 2003 & May 2004? <i>1=Yes 2=No</i>	Has this person been chronically ill for any 3 month period in the last 12 months and unable to perform hh duties? <i>1= Yes 2= No</i>	
mem	name	ad01	ad02	ad03	ad04	ad05	ad06	ad07	ad08	ad09	ad10	ad11	ad12	ad13	ad14	ad15	ad16	comment
31																		
32																		
33																		

Relationship to head (ad03)	Marital Status (ad04)	Education levels (ad06)	New hh member (ad10)
1= head 2= spouse 3= own child 4= step child 5= parent 6= brother/sister 7= nephew/niece 8= son/daughter-in-law 9= grandchild 10=other relative 11=unrelated 12=brother/sister-in-law 13=parent-in-law	1 = single 2 = monogamously married 3 = polygamously married 4 = divorced 5 = widowed 6 = separated 7 = other (specify)	0=None 1-14 for years completed 20=some college 21=some university 22=completed college 23=completed university 24=postgraduate	1=married into the family 2=returned to hh to help with ___activities 3=returned to the hh because he/she is sick 4=hh member missed during 2000 or 2002 survey 5=lost parents 6=fostered 7=specify(other) 8=farm worker 9=attend school 10=separated/divorced 11=death of spouse 12=ran away from home 13=lost job 14=inherited household 15=live with relatives

Q 32.3 Children. What are the names of all usual household members below 15 years old (born after 1989)?

Instructions: Copy the names and MEM number of the children from the information sheet who were present in 2000 or 2002. If there are new children, start numbering MEM with 51.

DemogC04.sav Key variables: hhid, mem

Reference Period: The Past 12 months June 2003 to May 2004

ID	Name	Which year was born?	What is the sex of?	What is the relationship of to the current head?	Is attending formal school? 1 = Yes 2 = No	What is the highest level of education completed? See codes below	How many months in the past 12 months has this person been living at home?	Is the biological mother of alive? 1= Yes 2= No—>Go to DC09 3=Don't know	Is the biological mother of a member of this household? 1= Yes 2= No →Go to DC09	IF DC07 = 1, record the mem # of the mother from tables above	Is the biological father of alive? 1= Yes 2= No—>Go to DC11 3=Don't know	Is the biological father of a member of this household? 1= Yes 2= No →Go to DC11	If DC09 = 1, record the mem # of the father from tables above	Has been chronically ill for any 3 month period in the last 12 months? 1= Yes 2= No	Is this person alive? 1=yes 2=no	Comments
mem	name	dc01	dc02	dc03	dc04	dc05	dc06	dc07	dc08	dc08a	dc09	dc10	dc10a	dc11	dc_died	comment

Relationship to head (dc03)

- 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 (specify)
- 11=unrelated
- 12=brother/sister-in-law

Education levels (dc05)

- 0=None
- 1-14 for years completed

Q 32.4 Previous deaths within the household (Since May 2002 or May 2000 (if not interviewed in 2002))

Follow the script below to help you to lead into the table on previous deaths.

“As you know, we have been following your family’s progress since 1997. We are interested to know what has happened with individual members of your family. For example, we know from some households we have already visited that some of their members have moved to towns or got jobs in other places away from home. Some households have also lost members who have passed away. All this information helps us to understand your situation / well-being as we strive to advise policy makers on ways to better rural livelihoods. Looking at information you’ve already told us, you have indicated that “(actual number)” or “no” members have passed away in the last 12 months.

(If members have passed away, then say) We would like to ask you just a few questions about these people. (If members have NOT passed away, then say the following Are they any members who came to the household after the last time we interviewed you, who have passed away before June 2004? (If yes) We would like to ask you just a few questions about these people. For USAID households, ask all these questions since May 2002.

32.4.2 Please tell us about them starting from the most recent.

Mort04.sav Key variables: *hhid, pdmem*

Reference Period: Since May 2002 or May 2000 (if not interviewed in 2002)

Person New ID	Person MEM <i>Copy MEM # from Table 32.1, 32.2 or 32.3</i>	Write the Name	What was the sex of the deceased? <i>1=Male 2=Female</i>	In which year did this person die? <i>Enter year e.g., 2002</i>	In which month did this person die? <i>See codes below</i>	In which year was this person born? <i>Enter year e.g., 1997</i>	What was the cause of death? <i>See codes below If PD05 = 14 up to 19, go to PD12</i>	Ask for the symptoms this person had. Keep prompting for possible answers. <i>1=yes 2=no</i>						Was the household head at the time of his/her death? <i>1= Yes, go to PD14 2= No</i>	What was’s relationship to person who was head of the household AT THE TIME he/she died? <i>See codes below</i>	What was’s relationship to the CURRENT head of the household? <i>See codes below</i>	What was the highest level of education completed? <i>See codes below</i>
								Chronic diarrhoea	Fever for 1 week	Substantial weight loss	Skin rash	Thrush, frothy mouth, mouth infection	Cough				
PDMEM	MEM	Name	PD01	PD02	PD03	PD04	PD05	PD06	PD07	PD08	PD09	PD10	PD11	PD12	PD13	PD14	PD15
1																	
2																	
3																	
4																	

Month (pd03)		Cause of death (pd05)			Relationship to head (pd13, pd14)				Education levels (pd15)	
1 = January	7 = July	1 = Pneumonia	11 = Stomach disease	21 = Other (specify)	1 = head	7 = nephew/niece	0=None			
2 = February	8 = August	2 = Malaria	12 = Stroke	22 = Cancer	2 = spouse	8 = son/daughter-in-law	1-12 for years completed			
3 = March	9 = September	3 = TB	13 = HIVAIDS	23 = Asthma	3 = own child	9 = grandchild	20=some college			
4 = April	10 = October	4 = Chronic diarrhoea	14 = Accident	24 = Diabetes	4 = step child	10 = other relative	21=some university			
5 = May	11 = November	5 = Meningitis	15 = Suicide	25 = Yellow fever, typhoid, measles, cholera	5 = parent	11 = unrelated	22=completed college			
6 = June	12 = December	6 = Anaemia	16 = Murdered	26 = Birth – miscarriage	6 = brother/sister	12=brother/sister-in-law	23=completed university			
		7 = Fits	17 = Snake bites	27 = Kwashokor		13 = parent-in-law	24=postgraduate			
		8 = Mental illness	18 = Old age	28 = Miscellaneous						
		9 = Heart disease	19 = Other sudden death within 4 days	29 = Alcohol						
		10 = Chest pains	20 = Don’t know							

Q 33. 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 during June 2003-May 2004 (include jua kali and farm kibaruas).

Hhinc04.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	comments
			0=none			1=low			2=average			3=high			Gross	Cost	Gross	Cost	Gross	Cost		
			6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04								
name	mem	activity	jun	jul	aug	sep	oct	nov	dec	jan	feb	mar	apr	may								

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

Q 34. Salaried wage employment/permanent employment activities

We would now like to talk about all *salaried employment* that anyone in your household engaged in during the past months from June 2003 to May 2004 including **pensions and remittances**. Include only income remitted back to household.

Salwg04.sav Key variables: *hhid, mem, activity*

Person code	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	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)												Total Salary income	Comments
					<i>Skip this section if person received the same monthly wage during the whole year</i>													
mem	name	activity	mnwage	samewage	6/03	7/03	8/03	9/03	10/03	11/03	12/03	1/04	2/04	3/04	4/04	5/04	totsal	comment

Wage labor codes 38=Accountant 18= Banker/receptionist 1 =Cane cutter 34=Carpenter/mason 2 =Chief 20=Civil leader 23=Cleaner 3 =Clerk 35=Committee member 25=Conductor	4 =Driver 5= Doctor 40=Electrician 36=Engineer 6 =General farm worker 7 =House help 8 =Industrial worker 33=Lab attendant 21=Lecturer/tutor 30=Lumber 19=Manager	39=Mechanic 28=Messenger 9 =Nurse 27=Pastor/religious services 10=Pension 11= Policeman/woman 12=Remittance 22=Road constructor 13=Sales person 31=Secretary 24=Shop keeper/attendant	29=Subordinate civil services 32=Surveyor 41=Tailor 14=Tea picker 15=Teacher 26=Veterinary doctor 16=Waiter/cook 17=Watchman 42=Other (specify) _____ 43=Welding 44=Butcher	45=Craftsman/artisan 46=Extension agent 47=Hair saloon 49=Cook/caterer 50=Administrator 51=Construction 52=Fishing 53=Plumber/battery charger/barber 54=Technician 55=Caretaker/groundsman 56=Equipment operator	57=Soldier 58=Lawyer 59=Postmaster 60=Miller 61=Forester 62=Sports/coach 63=Research 64=Petrol seller
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Q 35 Household Agricultural Assets (PROMPT for each item AS LISTED BELOW):

AT PRESENT (6/2004), how much/many of the following does this household own that are usable/repairable? (Instructions: For value per unit, ask for the resale price for the asset or the current market value of the asset as it is.)

Asset04.sav Key variables: hhid, asset

Agricultural asset	Quantity	Value per Unit (Ksh)	If Value/Unit not known Ask for Total Value	comments
asset	qty	value	totval	comment

Agricultural asset codes

- 13=ploughs for tractor
- 14=animal traction plough
- 15=cart
- 16=trailer
- 17=tractor
- 18=car
- 19=truck
- 20=spray pump
- 21=irrigation equipment
- 22=water tanks
- 23=stores
- 29=zero-grazing units

- 25=wheel barrow
- 26=combine harvester
- 27=bicycle
- 28=radio
- 30=beehive
- 31=houses
- 33=borehole
- 34=motorcycle
- 35=grinder
- 36=TV
- 37=power saw
- 38=jaggery unit
- 39=chaf cutter
- 40=solar panels
- 41=battery

- 42=weighing machine
- 43=poultry houses
- 44=piggery houses
- 45=water pump
- 46=telephone/mobile
- 47=boom sprayer
- 48=cattle dip
- 49=dam
- 50=donkey
- 51=water trough
- 52=pestle and mortar
- 53=harrow/tiller
- 54=sheller
- 55=planter
- 57=generator

- 58=ridger/weeder
- 59=cane crusher
- 60=well
- 61=oxen
- 62=other (specify)____
- 63=posho mill
- 64=sewing machine/knitting machine
- 65=milking equipment/sheds
- 66=gas cooker
- 67=tool boxes
- 68=fridge/washing machine
- 69=own coffee factory
- 70=fish related items
- 71=other miscellaneous items