

**Egerton University - Tegemeo Institute/MSU  
Agricultural Commercialization Survey 2012  
(For Medium Scale Farming Households in Kenya)**

“We are part of a team at Egerton University, who are studying options to improve agricultural commercialization among smallholder farmers. Your participation in answering these questions is very much appreciated. Your responses will be **COMPLETELY CONFIDENTIAL** to the maximum extent allowable by law. If you choose to participate, you may refuse to answer certain questions, or you may stop participating at any time. Your responses will be summed together with those of roughly 200 other households in other districts of Kenya and general averages from analysis will be reported. If you indicate your voluntary consent by participating in this interview, may we begin? If you have any questions or comments about this survey, you may contact the Director, Tegemeo Institute, Egerton University, P.O. Box 20498 (00200), Nairobi; **Tel: 0720 895454**; email: [egerton@tegemeo.org](mailto:egerton@tegemeo.org)”.

HH Name	Household No	HHID _____
_____	Date: (dd/mm/yy)	SURDATE _____
_____		
Respondent(s)		MEM _____
_____		
_____		

**(Enumerator Instruction:** Record the member number of the Respondent from the Demography table on pages 16 after the survey is completed.)

**Identifying Variables:**

Supervisor: _____	SNUM _____
Enumerator: _____	ENUM _____
Province: _____	PROV _____
County: _____	CONT _____
District: _____	DIST _____
Division: _____	DIV _____
Location: _____	LOC _____
Sub-Location: _____	SUBLOC _____
Village: _____	VIL _____

GPS coordinates:

(1=North 2=South) NS \_\_\_\_\_  
East \_

HH1 : \_\_\_\_\_ ' \_\_\_\_\_ dd)  
HH2 : \_\_\_\_\_ ' \_\_\_\_\_ dd)  
HH3 : Altitude m. a.s.l (\_\_\_\_\_)

**SECTION 1: FAMILY HISTORY/ SETTLEMENT**

1.1 What is/was your father's main occupation? ( <i>father-in law if respondent is a woman</i> ): <b>Enum-</b> use Activity and Employment codes on <b>page 14</b> ; probe for influential positions such as social, cultural and religious	FOCP_____
<i>1=Activity codes; 2=Employment codes</i>	TAB_____
1.2 What is/was your father's secondary occupation, if any?: <b>Enum-</b> use Activity and Employment codes on <b>page 14</b> ; probe for influential positions such as social, cultural and religious	FOCS_____
1.3 What was your father's highest level of education? <b>Enum-</b> use education attainment codes on <b>page 13</b>	FEDC_____
1.4 Is your father still alive? <i>1=yes; 0=no</i>	FLIV_____
1.5 Did your father own land? <i>1=yes; 0=no (if 0 proceed to 1.7)</i>	FPLA_____
1.6 Approximately how much land does or did your father own before sub-division? ( <i>acres</i> ) ( <i>-99=don't know</i> )	FLAN_____
1.7 If your father didn't own private land, why? <i>1=was squatter/landless; 2=lived in government land; 3=lived in communal/community land; 4=other (specify)_____</i>	FNOL_____
1.8 Were you (head) born in this area or came to the area? <i>1=born here (if 1 proceed to 1.10), 2=came to the area</i>	SETT_____
1.9 If came into this area, in which year did your family settle in this area? ( <i>year-yyyy</i> )	YSET_____
1.10 Do you own land in the area where you came from before settling in this area? <i>1=yes, 0=no</i>	OLAN_____
1.11 If yes, how many acres?	ALAN_____
1.12 In which year did you start farming? ( <i>yyyy</i> )	YFAM_____
1.13 How much land did you own when you started farming ( <i>acres</i> )?	AOWN_____
1.14 How did you obtain this land? <i>1= moved into a family owned land; 2= inherited from my father/mother; 3=allocated land by a relative in the area; 4= purchased land from a relative; 5=purchased land from a non-relative; 6=allocated land by local leaders; 7=just moved in – free land; 8=government/settlement scheme; 9=land buying group/company; 10=other (specify)_____</i>	HSET_____
1.15 How much land did you rent in when you started farming ( <i>acres</i> )?	ARENT_____

1.16	How much land do you own currently own ( <i>acres</i> )?	<b>NOWN</b> _____
1.17	How much land did you rent in last main growing season?	<b>NRENT</b> _____
<i>ENUM: if land owned now (and rented in) is more than land owned (and rented in) when the household started farming ask question 1.18, else proceed to 1.19</i>		
1.18	How did you achieve the current scale of farming operation? ( <i>Enum: two most important ways in the order of importance</i> )	<b>SCLE1</b> _____
		<b>SCLE2</b> _____

<p><b>Bought additional land:</b>                  1= purchased additional land from relatives using revenue generated from farming                  2= purchased additional land from non-relatives using revenue generated from farming                  3= purchased additional land from relatives using non-farm income                  4= purchased additional land from non-relatives using non-farm income</p>	<p><b>Rents in land:</b>                  5= rents additional land from relatives using revenue from farming                  6= rents additional land from non-relatives using revenue from farming                  7= rents additional land from relatives using non-farm income                  8= rents additional land from non-relatives using non-farm income</p>	<p><b>Acquired land for free</b>                  9= inherited additional land from my parents/relatives                  10= allocated additional hectares of land by local leaders                  11= acquired additional hectares of land for free – moved in.                  12= other (specify):_____</p>
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1.19	Have you (head) held a job other than farming? 1=yes, 0= no ( <b>if 0, proceed to 1.21</b> )	<b>OJOB</b> _____
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1.20 If yes to 1.19, please provide additional background information of the last two most recent jobs held:

**Job.sav** key variables: hhid, job

		a) Employer: 1=civil servant, 2=private sector, 3=other- specify____	b) Activity ( <i>codes page 13</i> )	c) Duration (# years)
	<b>JOB</b>	<b>JEMP</b>	<b>JACT</b>	<b>JDUR</b>
Most recent main job	<b>1</b>			
Next most recent main job	<b>2</b>			

1.21	Have you (head) ever been involved in business other than farming? 1=yes; 0= no ( <b>if 0 skip to next section</b> )	<b>OBUZZ</b> _____
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1.22 If yes to 1.21, please provide additional information of the two most recent business activities involved in:

**Buzz.sav** key variables: hhid, buzz

		a) Activity ( <i>codes in page 13</i> )	b) Duration (years)
	<b>BUZZ</b>	<b>BACT</b>	<b>BDUR</b>
Most recent main business	<b>1</b>		
Next previous main business	<b>2</b>		

**SECTION 2: LAND OWNERSHIP AND USE**

2.1 Please provide us with information of the land parcels you currently **own** and/or **rent in**:

*Parcel.sav* key variables: *HHID, PARID*

	Parcel ID	Year acquired (yyyy)	Location (codes below)	Acreage (acres)	Current value per acre (KSh)	Mode of acquisition (codes below)	Tenure Status (codes below)	Slope: 1= flat; 2=moderately steep; 3=very steep	Distance to permanent water source (km)	Distance to motorable road (km)	Main land use
Parcel name	PARID	LAN1	LAN2	LAN3	LAN4	LAN5	LAN6	LAN7	LAN8	LAN9	LAN10
	1										
	2										
	3										
	4										
	5										
	6										
	7										
	8										
	9										
	10										
	11										
	12										

**LAN2 (location):** 1=this location; 2=this division; 3=this district; 4= this region/province; 5=other region/s; 6=elsewhere (specify)\_\_\_\_\_

**LAN5 (mode of acquisition):** 1=inherited; 2=given by relative; 3=given by non-relative; 4=purchased; 5=allocated by local leaders; 6=allocated by government; 7=rented from relative; 8=rented from non-relative; 9=moved in; 10=other (specify)\_\_\_\_\_

**LAN6 (tenure status):** 1=owned w/ deed; 2=owned w/o deed; 3=rented; 4=owned by parent/ relative; 5=government/communal/co-operative

**LAN10 (land use):** 1=maize production; 2=wheat production; 3=sugar cane; 4=pulses/beans; 5=pastures/folder; 6=mixed cropping; 7=mixed farming; 8=renting out; 9=residential;10=other (specify)\_\_\_\_\_

2.2 If bought additional land, describe the circumstances that led to the sale decision by the two main sellers. 1=had more land than he/she needed; 2= had more land than he/she needed and forced by financial (e.g. school fees, medical, etc.) needs to sell; 3= had little land than he/she needed but forced by financial needs to sell; 4=other (specify)_____; 5=don't know	CSALE1_____
	CSALE2_____
2.3 Compared to you, describe the economic status of the two main sellers? 1=very poor; 2=poor; 3=same status as me; 4=rich; 5=very rich; 5=don't know	SECON1_____
	SECON2_____

2.4 Please provide us with information on the land-use, of the land parcels you **OWN**, during the previous **MAIN crop season**:

**Parceluse.sav** key variables: **HHID, PARID**

Parcel name	Parcel ID (from 2.1)	Area cultivated (acres)	Area uncultivated (acres)	If uncultivated area, status? (codes below)	Reason for not cultivating this land (codes below)	Do you plan to bring the uncultivated land into cultivation soon? 1=yes, 0=no	If yes, about how many acres (acres)	About when (year) do you plan to cultivate?	Why have you decided to do this (codes below)
	<b>PARID</b>	<b>CULD</b>	<b>UNCL</b>	<b>UNCS</b>	<b>UNCR</b>	<b>CULP</b>	<b>CULAC</b>	<b>CULYR</b>	<b>CULR</b>

**UNCS (uses of uncultivated land):** 1=fallow (cultivated in the past); 2=forested (never cultivated); 3=rented out to another farmer; 4= grazing/pastures; 5=residential; 6= other (specify)\_\_\_\_\_

**UNCR (reason for not cultivating):** 1=cultivate enough land for my family needs; 2=lack of capital; 3=lack of labor; 4=lack of market that can absorb a larger surplus; 5=want to keep uncultivated land for future inheritance/use; 6=land is unsuitable for cultivation; 7=used as grazing land; 8=left fallow in order to improve its fertility; 9=residential; 10=other (specify)\_\_\_\_\_

**CULR (reasons for cultivating more land)** 1=more family needs; 2= incentive provided by increasing prices; 3=acquired more draught power for cultivation; 4=purchased a tractor; 5=tractor hire services have become available; 6=improved market conditions – markets more accessible; 7=improved market conditions – increased number of buyers in the area; 8=other (specify)\_\_\_\_\_

2.5 Do you plan to sell any piece/parcel of land in the nearby future? 1=yes; 0=no ( <b>proceed to 2.8</b> )	<b>SALE1</b> _____
2.6 If yes, how many acres do you intent to sell (acres)?	<b>SALE2</b> _____
2.7 Why have you decided to sell the portion? codes below)	<b>SALE3</b> _____
<b>SALE3 (primary reason for intended land sale):</b> 1=family financial needs; 2=have enough land for my family needs; 3=do not have the capacity to plough more land; 4=lack of capital or labor to bring land under cultivation; 5=lack of market that can absorb a larger surplus; 6=no one to inherit the land—have transferred land to children already; 7=land is unsuitable for cultivation; 8=parcel located far from the homestead; 9=other (specify)_____	
2.8 Do you plan to convert any of your land parcels from agriculture to any other use? 1=yes; 0=no ( <b>proceed to 2.11</b> )	<b>NONAG</b> _____

2.9 If yes, how many acres?	<b>NONGA</b> _____
2.10 What is the planned use? 1=commercial plots; 2=public utility; 3=other (specify)_____	<b>NOUSE</b> _____
2.11 Are there land parcels you used to own in the last 20 years that you no longer own? 1=yes; 0=no (proceed to 2.13)	<b>LONGR</b> _____

2.12 If yes, please provide us with information about these parcels

**Hparcel.sav** key variables: *hhid, hpar*

Parcel name	Parcel ID	Year disposed (yyyy)	Location (codes below)	Acreage (acres)	Mode of acquisition (codes below)	Tenure Status (codes below)	Slope: 1= flat; 2=moderately steep; 3=very steep	Distance to water source (km)	Distance to motorable road (km)	Reasons why disposed (codes below)
	<b>HPAR</b>	<b>HLAN1</b>	<b>HLAN2</b>	<b>HLAN3</b>	<b>HLAN4</b>	<b>HLAN5</b>	<b>HLAN6</b>	<b>HLAN7</b>	<b>HLAN8</b>	<b>HLAN9</b>
	<b>1</b>									
	<b>2</b>									
	<b>3</b>									
	<b>4</b>									
	<b>5</b>									

**HLAN2 (location):** 1=this location; 2=this division; 3=this district; 4= this region/province; 5=other region/s; 6=elsewhere (specify)\_\_\_\_\_

**HLAN4 (mode of acquisition):** 1=inherited; 2=given by relative; 3=given by non-relative; 4=purchased; 5=allocated by local leaders; 6=allocated by government; 7=rented from relative; 8=rented from non-relative; 9=moved in; 10=other (specify)\_\_\_\_\_

**HLAN5 (tenure status):** 1=owned w/ deed; 2=owned w/o deed; 3=rented; 4=owned by parent/ relative; 5=government/communal/co-operative

**HLAN9 (reasons for disposal):** 1=family financial needs; 2=have enough land for my family needs; 3=do not have the capacity to plough more land; 4=lack of capital or labor to bring land under cultivation; 5=lack of market that can absorb a larger surplus; 6=transferred to children; 7=no one to inherit the land/have transferred land to children already; 8=land is unsuitable for cultivation; 9=other (specify)\_\_\_\_\_

2.13 Do you feel that you have sufficient land to meet your needs? 1=yes; 0=no (if yes, proceed to 2.22)	<b>SLAN</b> _____
2.14 If no to 2.13, do you have plans of acquiring more farm land in the future? 1=yes; 0=no (if no, proceed to 2.17)	<b>PLAN</b> _____
2.15 If yes, where do you plan to acquire more land? 1= this location, 2=this division; 3=this district; 4=this region (province); 5=other regions; 6=elsewhere (specify)_____	<b>ACLW</b> _____
2.16 How do you plan to acquire more land? 1=rent in; 2=purchase; 3=allocation by local leaders; 4=allocation by government; 5=inheritance; 6=other (specify):_____	<b>ACLH</b> _____

2.17	If no to 2.14, why not? <i>1=lack of available land in the area; 2=could not effectively weed more land; 3=do not have the capacity to plough more land; 4=lack of capital or labor to clear land; 5=lack of market that can absorb a larger surplus; 6=can't afford; 7=other (specify)_____</i>	<b>WHYN</b> ____
2.18	Would you consider migration to another district/region an option? <i>1=yes; 0=no (if no, skip to 2.21)</i>	<b>MIGR</b> ____
2.19	If yes to 2.18, where to? <i>1=this district; 2=this region (province); 3=other regions; 6=elsewhere (specify)_____</i>	<b>YLAN</b> ____
2.20	Why do/would you consider migrating to this area/region? <i>1= land is available for sale; 2=land is available for renting; 3=have relative/s who migrated there; 4=free land available; 5=other (specify):_____</i>	<b>LOCN</b> ____
2.21	If no to 2.18, why not? <i>1=lack financial resources; 2=unaware of areas with available land; 3=unwilling to leave this areas; 4=too expensive to migrate; 5=too difficult to part with other relatives/networks; 6=other (specify):_____</i>	<b>LOCY</b> ____
2.22	In your own OPINION, are land markets helping the near landless/landless to acquire land? <i>1 = yes, they help them acquire land; 0=no, help the landed acquire more land</i>	<b>GLLES</b> ____
2.23	In your own OPINION, are land rental markets helping the near landless/landless gain access to land? <i>1 = yes, they help them access land; 0=no, help the landed access more land</i>	<b>GLRLS</b> ____





**SECTION 3: CROP PRODUCTION**

3.1 Did this household have any cropping activity during **MAIN CROP Season 2011/2012**? *I = yes (proceed to 3.2) No=0 (proceed to section 4)* **MCROP** \_\_\_\_\_

3.2 **MAIN CROP Season 2011/2012** (Eastern Kenya refers to Jan-March 2012 harvest, Western, Coast Central July/October 2011; R.Valley Nov/Dec 2011)

*Crop12.sav Key Variables: hhid, harvest, field, crop*

Main crops Use crop codes	Parcel	Field	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	system of watering used 1=Rain fed 2=Irrigated (pipd) 3=Irrigation (gravity) 4=other specify_	Main land prep type 0=none 1>manual 2=oxen 3=tractor	Planting/ Seed Type 1=Purch /New Hybrid 2=Retained Hybrid 3=OPV 4=local var 5=local seedling/cuttings/splits 6=improved seedling /cuttings /splits 7=hybrid& local var 8=hybrid purc+retained 9=IR maize	1 <sup>st</sup> Fertilizer used			2 <sup>nd</sup> Fertilizer used			3 <sup>rd</sup> Fertilizer used			Harvest		Sales		For the largest Sale			
								Type	Qty	Unit	Type	Qty	Unit	Type	Qty	Unit	Qty	Unit	Qty	Unit	Month 1= Jan. .... 12=Dec	Price received per unit	Buyer type	Km to point of sale
crop	PARID	field	acres	tenure	system	landprep	Sdtype	ft1	fq1	fu1	ft2	fq2	fu2	ft3	fq3	fu3	hvt	hunitt	sold	slunit	month	price	buyer	Km

Unit codes:	Fertilizer codes:	Fertilizer codes:	Fertilizer codes:	Buyer type codes:	Buyer type codes:
1=90 kg bag 11=50 kg bag 2=kgs 3=litre 4=crates 5=numbers 6=bunches(bananas) 7=25kg bag 8=10kg Bag 9=gorogoro	10=tonnes 12=debe 13=grams 14=wheelbarrow 15=cart 16=canter 17=pickup 18=2kg packet(seed) 19=bale	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) 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-basal 26=kero green 27=rock-phosphate 28=NPK 14:14:20 29=mijingu 1100 30=UREA+CAN 31=Mavuno-top dress. 12=Other (specify)___	1=small trader 2=large trader 3=KTDA 4=coffee coop 5=NCPB 6=miller 7=other coop 8=NGO 9=consumer 10=Exporter 11=processor 12=supermarket 13=cereal bank 14=pyrethrum board 15=bicycle trader

3.2 (CONT.) **MAIN CROP Season 2010/2012** (Eastern Kenya refers to Jan-March 2012 harvest, Western, Coast Central July/October 2011; R.Valley Nov/Dec 2011)  
**Crop12.sav** Key Variables: *hhid, harvest, field, crop*

Main crops Use crop codes	Field	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	system of watering used 1=Rain fed 2=Irrigated (piped) 3=Irrigation (gravity) 4=other specify_	Main land prep type 0=none 1>manual 2=oxen 3=tractor	Planting/ Seed Type 1=Purch /New Hybrid 2=Retained Hybrid 3=OPV 4=local var 5=local seedling/cuttings/splits 6=improved seedling /cuttings /splits 7=hybrid& local var 8=hybrid purc+retained 9=IR maize	1 <sup>st</sup> Fertilizer used			2 <sup>nd</sup> Fertilizer used			3 <sup>rd</sup> Fertilizer used			Harvest -777=not yet harvested		Sales		For the largest Sale				
							Type	Qty	Unit	Type	Qty	Unit	Type	Qty	Unit	Qty	Unit	Qty	Unit	Month 1= Jan. ..... 12=Dec	Price received per unit	Buyer type	Km to point of sale	
crop	field	acres	tenure	system	landprep	Sdtype	ft1	fq1	fu1	ft2	fq2	fu2	ft3	fq3	fu3	hvt	hunit	sold	slunit	month	price	buyer	Km	

<u>Unit codes:</u>		<u>Fertilizer codes:</u>			<u>Buyer type codes:</u>
1=90 kg bag	10=tonnes	0=None	11=SA (21:0:0)	23=NPK(18:14:12)	1=small trader
11=50 kg bag	12=debe	1=DAP	13=manure	24=NPK(15:15:15)	2=large trader
2=kgs	13=grams	2=MAP	14=foliar feeds	25=mavuno-basal	3=KTDA
3=litre	14=wheelbarrow	3=TSP	15=NPK (23:23:23)	26=kero green	4=coffee coop
4=crates	15=cart	4=SSP	16=NPK (20:10:10)	27=rock-phosphate	5=NCPB
5=numbers	16=canter	5=NPK (20:20:0)	17=DAP + CAN	28=NPK 14:14:20	6=miller
6=bunches(bananas)	17=pickup	6=NPK (17:17:0)	18=compost	29=mijingu 1100	7=other coop
7=25kg bag	18=2kg packet(seed)	7=NPK (25:5:+5S)	19=magmax lime	30=UREA+CAN	
8=10kg Bag	19=bale	8=CAN (26:0:0)	20=DSP	31=Mavuno-top dress.	
9=gorogoro		9=ASN (26:0:0)	21=NPK(23:23:0)	12=Other (specify)___	
		10=UREA (46:0:0)	22=NPK(17:17:17)		8=NGO
					9=consumer
					10=Exporter
					11=processor
					12=supermarket
					13=cereal bank
					14=pyrethrum board
					15=bicycle trader

**SECTION 4: LIVESTOCK**

4.1 Did you have any **livestock** in the period August 2011 to July 2012? *1=yes, 0=no* (go section 5)

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

4.2 **If YES**, Please tell us about your **livestock** activities over the period **August 2011 to July 2012**.

*Livestock12.sav* (key variables: *hhid, livecode*)

Livestock code		Number owned (include Livestock kept by others) July 2012	Current total value (Ksh)	Number Owned August 2011
	livecode	july12	curval	aug11
Grade cow	1			
Grade bull	2			
Grade calves	3			
Cross cow	4			
Cross bull	5			
Cross calves	6			
Local cow	7			
Local bull	8			
Local calves	9			
Sheep	10			
Goat(local)	11			
Goat Exotic (dairy)	12			
Camels	13			
Pigs	14			
Chicken- indigenous	15			
Chicken-improved	16			
Ducks /Geese	17			
Turkeys	18			
Rabbits	19			
Doves /Quail	20			
Crocodiles	21			
Ostriches	22			
Butterflies	23			
Other, specify	24			

**SECTION 5: ENDOWMENTS/ASSETS**

**At present, how much/many of the following does this household own that are usable/repairable? (PROMPT for each item as listed below)**

**(Enumerator Instructions:** For value per unit, ask for the current purchase price of the asset as is or the current market value of the asset as it is.)

*Asset12.sav* (Key Variables: *hhid, asset*)

Agricultural asset		Quantity	Value per Unit (Ksh)	If Value/Unit not known Ask for Total Value	Agricultural asset		Quantity	Value per Unit (Ksh)	If Value/Unit not known Ask for Total Value
asset		qty	value	totval	asset		qty	value	totval
23	stores				27	bicycle			
43	poultry houses				34	motorcycle			
44	piggery houses				18	car			
29	zero-grazing units				19	truck			
25	wheel barrow				17	tractor			
39	chaff cutter				16	trailer			
28	radio				13	ploughs for tractor			
36	TV				53	harrow/tiller			
40	solar panels				58	ridger/weeder			
41	battery				55	planter			
46	land line telephone				47	boom sprayer			
71	mobile Phone				54	sheller			
42	weighing machine				26	combine harvester			
52	pestle and mortar				57	generator			
22	water tanks				37	power saw			
30	beehive				35	grinder			
45	water pump				38	jaggery unit			
33	borehole				59	cane crusher			
49	dam				50	donkey			
60	well				61	oxen			
21	irrigation equipment				14	animal traction plough			
48	cattle dip				15	cart			
20	spray pump				63	poshomill			
51	water trough				64	Sewing/knitting machine			
31	houses (residential)				62	other (specify)			
62	other (specify)				62	other (specify)			
62	other (specify)				62	other (specify)			

**SECTION 6: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS –**

**6.1 Adults and children residing in the household – include ALL children even those not residing in the household**

*Demog12.sav* (Key variables: *hhid, mem*)

**Reference Period: August 2011 to July 2012**

ID	Name	In which year was this person born?	What is the sex of .... ? 1=male 2=female	Relation -ship to current head <i>See codes below</i>	Marital Status <i>See codes below</i>	Is..... Currently attending school? 1 = Yes 0 = No	What is the highest level of education completed ?  <i>See codes below</i>	How many months in the period August 2011 to July 2012 has this person been living at home?	Is this person considered a member of this household ? 1 = Yes 0 = No	If this person is not a member of this household anymore, why?  <i>See codes below</i>	Did this person receive cash from informal /business activity? Include farm kibarua, dividends Between August 2011 & July 2012? 1=Yes 0=No	If yes, type of main business activity (codes below)	Monthly income estimate (KSh)	Did this person receive cash or payment in kind from <b>salaried employment, wage activities, remittances, or pensions</b> between August 2011 & July 2012? 1=Yes 0=No	If yes, main employment activity (codes below)	If YES, monthl y income estimate (KSh)
MEM	NAME	DA01	DA02	DA03	DA04	DA05	DA06	DA09	DA10	DA11	DA12	DA13	DA14	DA15	DA16	D17
1.																
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																
11.																
12.																
13.																
14.																
15.																

Relation to head(DA03)		Marital Status(DA04)		Education levels(DA06)		Reason for absence(DA11)	
1= head	9= grandchild	1 = single	-99=don't know	7=form 6	1=left to find a job	7=another household	
2= spouse	10=other relative	2 = monogamously married	0=None	8=post-secondary training	3=married away	8=went missing	
3= own child	11=unrelated	3 = polygamously married	1=pre school	9=some university	4=deceased	9= Other, specify _____	
4= step child	12=brother /sister-in-law	4 = divorced	2=some primary	10= university completed	5=divorced /separated		
5= parent	13=parent-in-law	5 = widowed	3=primary completed	11 = post graduate	6=living with other relatives		
6= brother /sister	14=worker	6 = separated	4=some secondary				
7= nephew /niece	15=Other specify	7 = other, specify _____	5=secondary completed				
8= son/daughter-in-law			6= form 5				

**Activity Codes:**

58	Accounting clerk	11	Dealing ropes/sisal/firewood	49	Laundry business	27	Ploughing	59	Tour guide
1	Agricultural trading	12	Driver	19	Livestock trader	47	Plumber	36	Tout/turnboys
46	Bar operator	13	Earning dividends	20	Local brewing	28	Posho miller	37	Traditional doctor
64	Battery charging	14	Electrician	42	Lumbering/wood cutting	29	Rental of properties	38	Transporter (goods)
2	Bicycle (repair/transporter)	72	Income from another farm	21	Making pots	30	Retail shop/kiosk/shopkeeping	55	Tree seller, commercial
60	Boat making	7	Farm kibarua	22	Masonry	53	Sand harvesting	52	Vehicle mechanic
3	Brick making	76	Farmer	23	Matatu business	43	School business	45	Veterinary doctor
4	Brokerage	77	Farmer- pastoralist	41	Medical health business	31	Selling mandasi cakes/bread/cook	67	Video business
62	Building	15	Fish trading	24	Mining	32	Selling water	56	Village elder
5	Butcher	44	Hair dresser / barber	74	Non-agricultural business	69	Sheep shearer	39	Weaving
6	Carpentry	16	Harrowing	54	Nurse	33	Spraying	40	Welding/painting/blacksmith
75	Casual worker	70	Harvesting	68	Pet breeder	50	Surveyor	66	Wine tapper
8	Charcoal burning	17	Hawker	25	Photography	34	Tailor	71	Crop farmer
9	Clothes/shoes business (trading)	57	Hiring out a bull	63	Pit latrine digger	65	Teacher, part time	79	Other, specify_____
51	Cobbler	73	Hotel	26	Planting	61	Thatching grass		
10	Curio trader	18	Jaggery			35	Timber trading		

**Employment Codes:**

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

**SECTION 7: TRACTOR OWNERSHIP, HIRE AND USE**

7.1 Do you currently own a tractor 1=yes (continue), 0=no (skip to 7.7)		TRAW_____
7.2 If you own a tractor, mode of acquisition (main)? 1=money from crop sales; 2=money from livestock sales; 3=money from salary/wage job; 4=off-farm business; 5=remittances; 6=loan purchase; 7=given for free/inherited; 8=other _____		TRAY_____
7.3 If purchased, why did you purchase it? 1=convenience; 2=cultivate more land; 3=cheaper than hiring; 4=could not hire from others; 5=commercial purposes; 6=other (specify): _____		TPUR_____
7.4 If you own a tractor, do you hire the tractor to other farmers? 1=yes (continue), 0=no (skip to 7.6)		TRAH_____
7.5 If you hire the tractor to others, for how much to plough an old land? (KSh.)	per day	TRCD_____
	or per acre	TRCH_____
7.6 If no to 7.4, why not? 1=need all of the tractor's time during farming season; 2=no one other than myself to operate it; 3= income from hiring does not justify time, wear and tear to tractor; 4= other (specify) _____		TRAT _____
7.7 Have you owned a tractor in the past but no longer own one? 1=yes (continue), 0=no (skip to 7.10)		TRAO_____
7.8 If yes 7.7, how did you acquire the tractor? 1=inherited; 2=bought with agricultural income; 3=bought with off-farm income; 4=bank loan; 5=other (specify) _____		TRAC_____
7.9 Why don't you own it now? 1=could not afford maintenance; 2=not profitable; 3=high fuel costs; 4=oxen are just as effective; 5=inheritance dispute; 6=other (specify): _____		TRAS_____
7.10 Are there tractor hiring services in this location? 1=yes (continue), 0=no (skip to next section)		TRAL_____
7.11 Who are mostly providing tractor hire services? 1=government; 2=private investors; 3=other farmers; 4=other (specify)		TWO_____
7.12 If there are tractor hire services (and does not own one), do you use tractor hiring services? 1=yes; 0=no (proceed to 7.14)		TRAU_____
7.13 What are the factors you take into consideration about whether to use tractor or animal draught power?		
•		TREA1_____
•		TREA2_____
7.14 If no to 7.12, why do you not use the service? 1=oxen are cheaper, 2=oxen do a better job, 3=can plant in time without tractor, 4=small land size; 5=other (specify) _____		TRAN_____

**SECTION 8: CASH CREDIT**

8.1 Did any household member try to get <b>any cash credit</b> during the <b>2011/12 crop year</b> ? <i>1=Yes, 0=No (if no,close the interview)</i>	<b>CRDTRY</b> _____
8.2 If yes, what was the <b>intended</b> purpose: <i>1=Agricultural purposes, 2=Non-agricultural purposes, 3=Both</i>	<b>CRDWHY</b> _____
8.3 Did you receive the <b>cash credit that you tried to obtain</b> ? <i>1= Yes, 0=No (if no, proceed 8.10)</i>	<b>CRDCAS</b> _____
8.4 (If yes) How <b>much cash credit in TOTAL</b> did you receive (KSh)	<b>CRDKSH</b> _____
8.5 For the <b>main</b> sources of cash credit, what was the source and the amount that you received? <i>Codes below</i>	<b>CRDSCE</b> _____ <b>CRDAMT</b> _____
<i>1= neighbor, 2=farmer group, 3=SACCO, 4=commercial bank, specify _____, 5=relative/friend, 6=NGO/MFI, specify _____, 7=AFC, 8= group (ROSCA), 9=Village bank, 10=Shopkeeper, 11=Informal lender, 12=Other (specify) _____</i>	
8.6 How was the <b>cash credit</b> mainly used	<b>CRDUSE</b> _____
<i>1=Buy farm inputs (fertilizer, seed, chemicals), 2=Buy land, 3= Land preparation costs, 4=Labor costs, 5=Other agricultural purposes- specify _____, 6=Non-agricultural purposes, 7=Other- specify _____)</i>	
8.7 Did you use collateral to obtain the largest loan? <i>1=Yes, 2=No (if no, proceed to 8.9)</i>	<b>CRDCLL</b> _____
8.8 What collateral did you use? <i>1=Land, 2=Ag. Equipment, 3=Livestock; 4=Household assets; 5=Shares; 6=other (specify)_____</i>	<b>CRDCLT</b> _____
8.9 Agreed upon method of repaying the largest loan? <i>1=Cash, 2=Deduction from livestock/crop sales, 3=In-kind, 4=no method agreed upon—close the interview</i>	<b>CRDPAY</b> _____
8.10 If you tried to get <b>cash credit but did not get</b> what was the reason for not getting? <i>Codes below</i>	<b>CRDRSN</b> _____
<i>1=no collateral, 2=Had outstanding loan, 3= Don't Know, 4= Did not have an account, 5= Lender lacked cash, 6=Fear of loan default and repossession of collateral, 7=Not a member of a farmer's association/coop, 8= Not processed yet, 9=Other (specify)_____</i>	

Thanks