



UGANDA BUREAU OF STATISTICS



## THE UGANDA NATIONAL HOUSEHOLD SURVEY 2005/06

### ***AGRICULTURE QUESTIONNAIRE***

SECTION 1A: IDENTIFICATION PARTICULARS										
1. DISTRICT:										
2. SUB-STRATUM: (Urban = 1, Rural = 3)										
3. COUNTY:										
4. SUB-COUNTY:										
5. PARISH:										
6. EA:										
7. HOUSEHOLD SER. NO.:										
8. SAMPLE NO.:										
9. HOUSEHOLD CODE:										
10. NAME OF HOUSEHOLD HEAD:										
11. LOCATION ADDRESS OF HOUSEHOLD:										

THIS SURVEY IS BEING CONDUCTED BY THE UGANDA BUREAU OF STATISTICS  
UNDER THE AUTHORITY OF THE UGANDA BUREAU OF STATISTICS ACT, 1998.

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**STRICTLY CONFIDENTIAL**

**SECTION 1B: STAFF DETAILS AND SURVEY TIME**

1. NAME OF INTERVIEWER \_\_\_\_\_

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2. DATE OF INTERVIEW \_\_\_\_\_

DD		MM		YYYY			

3. NAME OF SUPERVISOR \_\_\_\_\_

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4. DATE OF CHECKING \_\_\_\_\_

DD		MM		YYYY			

5. NAME OF FIELD EDITOR \_\_\_\_\_

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6. DATE OF INSPECTION \_\_\_\_\_

DD		MM		YYYY			

7. STARTING TIME (first visit)

HRS			

8. STOPPING (first visit)

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9. STARTING TIME (second visit)

HRS			

10. STOPPING (second visit)

--	--	--	--

11. RESPONSE CODE:

First Visit

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Second Visit

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**Codes for Item 11:**

Completed ..... 1

Partially done..... 2     *(Reasons for partial response should be explained in the remarks)*

12. REMARKS BY INTERVIEWER:

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13. REMARKS BY SUPERVISOR:

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## Section 2: Current Land Holdings

### Part A: Land Owned by the Household: WITH OWNERSHIP RIGHTS

We would like to ask some questions about all the land owned (including grazing and fallow land) by this household during the last completed season (2<sup>nd</sup> season 2004: July – December 2004) and the current cropping season (1<sup>st</sup> Season of 2005: Jan. – June 2005). Please include land belonging to this household that was rented or lent out to another household. **INTERVIEWER: PLEASE NOTE THAT THIS CATEGORY REFERS TO LAND THAT THE HOUSEHOLD HAS OWNERSHIP RIGHTS.**

1. During the last completed cropping season (2<sup>nd</sup> Season of 2004: July – Dec. 2004) and the current cropping season (1<sup>st</sup> Season of 2005: Jan. – June 2005), **1= YES**  
has any member of your household owned any agricultural land including woodlots and forest land with ownership rights? **2= NO (>> PART B)**

P A R C E L  I D	Parcel Name  COMPLETE THIS COLUMN FOR ALL PARCELS THEN ASK COLUMNS 5-15 FOR EACH PARCEL BEFORE GOING TO THE NEXT PARCEL. COLUMN 4 IS FILLED IN AFTER THE INTERVIEW.	Size of this parcel in acres?		Location 1= Within the EA/LC1 2= Outside EA but within same Parish 3= Outside Parish but within the Sub County 4= Elsewhere in the district 5= Other district	Tenure system 1= Freehold 2= Leasehold 3= Mailo 4= Customary 5= Other (specify)	How did you acquire this parcel? 1= Purchased 2= Inherited or gift from head's family 3= Inherited or gift from spouse's family 4= Cleared 5= Other (specify)	In which year did you first acquire this parcel?	If you were to sell this parcel of land (with investment) today, how much could you sell it for?	Would you be willing to sell this parcel at that price?  1= Yes 2= No	If you were to rent this parcel of land today, how much could you rent it out for two seasons (12 months)?	What was or is the primary use of the parcel during the two cropping seasons?		If 13= 3 or 13=4	
		GPS with two decimal digits	Farmer estimation with two decimal digits								1= Own Cultivated (annual crops) 2= Own Cultivated (perennial crops) 3= Rented-out 4= Cultivated by mailo tenant 5= Fallow 6= Grazing land 7= Woodlot 8= Other (specify)  2 <sup>nd</sup> cropping season 2004	1 <sup>st</sup> cropping season 2005	How much rent did you or will you receive (if sharecropped – out give the estimated cash value) during the two seasons?	How much land does the tenant own in total in this EA?  1= No land 2= Less than 2.5 acres 3= 2.5 acres and more 4= Don't know
2	3	4	5	6	7	8	9	10	11	12	13a	13b	14	15
01														
02														
03														
04														
05														
06														
07														
08														
09														
10														

#### GPS Coordinates

	Parcel ID							Parcel ID							Parcel ID						
36 N																					
UTM																					

## Part B: LAND THAT THE HOUSEHOLD HAS ACCESS THROUGH USE RIGHTS

INTERVIEWER: PLEASE NOTE THAT THIS CATEGORY REFERS TO LAND THAT THE HOUSEHOLD HAS ONLY USER RIGHTS.

1. During the last completed cropping season (2<sup>nd</sup> Season of 2004: July – Dec. 2004) and the current cropping season (1<sup>st</sup> Season of 2005: Jan. – June 2005), **1= YES**  
has access (use rights) to agricultural land including woodlots and forest land belonging to someone else? **2= NO (>> SECTION 3)**

P A R C E L I D	Parcel Name  COMPLETE THIS COLUMN FOR ALL PARCELS THEN ASK COLUMNS 5-16 FOR EACH PARCEL BEFORE GOING TO THE NEXT PARCEL. COLUMN 4 IS FILLED IN AFTER THE INTERVIEW.	Size of this parcel in acres?		Location  1= Within the EA/LC1 2= Outside EA but within same Parish 3= Outside Parish but within the Sub County 4= Elsewhere in the district 5= Other district	Tenure system  1= Freehold 2= Leasehold 3= Mailo 4= Customary 5= Other (specify)	How did you acquire this parcel?  1= Purchased 2= Inherited or gift from head's family 3= Inherited or gift from spouse's family 4= Agreement with land/use rights owner 5= Without agreement with land/use rights owner 6= Other (specify)	If 8=4, how much rent did you or will you pay to the land owner during the two cropping seasons?  <b>WRITE '0' IF NONE.</b>	For how long have you been in continued possession of this parcel (number of years)?  <b>In years</b>	Would you be willing to buy full ownership right to this parcel?  1= Yes 2= No (>> 13)	How much are you willing to pay for it (including the investment on it)?	Do you have to renew your use rights to this parcel at least once a year?  1= Yes (>> 15) 2= No	For how much could you sell the use right to this parcel?	What was or is the primary use of the parcel during the two cropping seasons?		If 15=3, how much rent did you or will you receive (if sharecropped –out give the estimated cash value) during the two cropping seasons?
		GPS with two decimal digits	Farmer estimation with two decimal digits										2 <sup>nd</sup> cropping season 2004	1 <sup>st</sup> cropping season 2005	
2	3	4	5	6	7	8	9	10	11	12	13	14	15a	15b	16
21															
22															
23															
24															
25															
26															
27															
28															

### GPS Coordinates

	Parcel ID									Parcel ID									Parcel ID									Parcel ID								
36N																																				
UTM																																				

### Section 3: Investments on Land

Ask the following questions on every single parcel that the respondent household has access to (owned and/or operated). All the parcels in Section 2 Part A and B.

P A R C E L  I D	Do/did you practice [...] soil and water conservation on this parcel now and 5 years ago (ending March 2001)?						Have you ever left part of this parcel fallow during the past 5 years?  1= Yes 2= No (> 10)	How long this parcel has been fallow during the past 5 years?  (Cumulated Months)	Does this parcel have a fence around it?  1= Yes 2= No	What kind of tree crops does this parcel have? Give details upto three (main trees).									
	Bunds (soil, stone or grass)		Terracing		Mulching					Does this parcel have any trees or perennials?  1= Yes 2= No (> NEXT PARCEL)	Tree 1			Tree 2			Tree 3		
	Now	5 yrs ago	Now	5 yrs ago	Now	5 Yrs Ago					Code	How many did you plant since March 2001?	No. of trees now	Code	How many did you plant since March 2001?	No. of trees now	Code	How many did you plant since March 2001?	No. of trees now
	1=Yes 2=No	1=Yes 2=No	1=Yes 2=No	1=Yes 2=No	1=Yes 2=No	1=Yes 2=No													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

## FIRST VISIT

Ask about all crops, including feeding stuff (fodder leaves, elephant/Napier grass), perennial crops (e.g. fruits) and fallow land for the parcels **which were farmed** by the household during the second crop season of 2004. Start with a parcel, plot and the main crop in the plot, and then ask for crops intercropped with the main crop. And move on to the next crop. If the plot is intercropped, the total plot area should be entered in column 3 for each crop and then the percentage of the plot area under the component crops in column 6. Use extra sheets if necessary.

[illegible]

\* Plot ID: Number starts from one in each parcel.

## FIRST VISIT

1. What is the length of one working day (person day) for adults and children in your village? Give the answer in number of hours.

Male adults	Female adults	Children

[illegible]

**FIRST VISIT**

Look at section 4A and copy, in the same order, the parcel and plot codes and then ask some questions about the quantity and value of hired labor and purchased non-labor inputs to the plots cultivated during the second cropping season of 2004.

[illegible]



# Section 7A: Disposition of Crops: Second Crop Season 2004 (July – December 2004)

## FIRST VISIT

I would now like to ask about your harvest from crops that were planted during the last completed season. Please provide the following information related to quantity of [CROP] harvested and sold – planted in the past agricultural season (Second Crop Season of 2004).

L I N E  N U M B E R	Crop		How much [...] did you harvest during the second season of 2004 and in what condition/state?					How much of the [...] you harvested during the second season of 2004 was sold and in what condition/state?		What was the total value of the sale of [...]?  US\$.	Who bought the largest part?  1= Government/ LC organization 2= Private trader in local market/village 3= Private trader in district market 4= Consumer at market 5= Neighbor/ Relative 6= Other (specify)	How much of the [...] harvested during the second season of 2004 was used to produce processed food products for sale and for animal feed?	How much of the [...] harvested during the second season of 2004 did you give to the landlord or proprietor?	How much of the [...] harvested during the second season of 2004 has already been consumed by members of your household?	How much of the [...] harvested during the second season of 2004 is still being stored by your household?	What percent age of the [...] harvested during the second season of 2004 did you lose or waste after harvest?  (%)	What was the producer price during the second season of 2004 (using the unit of measure reported in column (3a))?  US\$.
	Crop name	Code	Unit code	Quantity	Condition/state code	Conversion factor into kg?	What share of the harvest was from parcels outside the district? (%)	Quantity	Condition/state code								
	2a	2b	3a	3b	3c	3d	3e	4a	4b	5	6	7	8	9	10	11	12
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	

**FIRST/SECOND VISIT**

Ask about all crops, including feeding stuff (fodder leaves, elephant/Napier grass), perennial crops (e.g. fruits) and fallow land for the parcels **which were farmed** by the household during the first crop season of 2005. Start with a parcel, plot and the main crop in the plot, and then ask for crops intercropped with the main crop. And move on to the next crop. If the plot is intercropped, the total plot area should be entered in column 3 for each crop and then the percentage of the plot area under the component crops in column 6. Use extra sheets if necessary.

[illegible]

\* Plot ID: Number starts from one in each parcel.

## SECOND VISIT

1. What is the length of one working day (person day) for adults and children in your village? Give the answer in number of hours.

Male adults	Female adults	Children

[illegible]

## SECOND VISIT

Look at section 4B and copy, in the same order, the parcel and plot codes and then ask some questions about the quantity and value of hired labor and purchased non-labor inputs to the plots cultivated during the first cropping season of 2005.

[illegible]

## Section 7B: Disposition of Crops: First Crop Season 2005 (January – June 2005)

## SECOND VISIT

I would now like to ask about your harvest from crops planted during the last completed season. Please provide the following information related to quantity of [CROP] harvested and sold – planted in the past agricultural season (First Crop Season of 2005).

L I N E  N U M B E R	Crop		How much [...] did you harvest during the first season of 2005 and in what condition/state?					How much of the [...] you harvested during the first season of 2005 was sold and in what condition/state?		What was the total value of the sale of [...]?  UShs.	Who bought the largest part?  1= Government/LC organization 2= Private trader in local market/village 3= Private trader in district market 4= Consumer at market 5= Neighbor/Relative 6= Other (specify)	How much of the [...] harvested during the first season of 2005 was used to produce processed food products for sale and for animal feed?	How much of the [...] harvested during the first season of 2005 did you give to the landlord or proprietor?	How much of the [...] harvested during the first season of 2005 has already been consumed by members of your household?	How much of the [...] harvested during the first season of 2005 is still being stored by your household?	What percentage of the [...] harvested during the first season of 2005 did you lose or waste after harvest?  (%)	What was the producer price during the first season of 2005 (using the unit of measure reported in column (3a))?  UShs.
	Crop name	Code	Unit code	Quantity	Condition/state code	Conversion factor into kg?	What share of the harvest was from parcels outside the district? (%)	Quantity	Condition/state code								
	2a	2b	3a	3b	3c	3d	3e	4a	4b	5	6	7	8	9	10	11	12
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	

## Section 8: Land Characteristics and Rights

Ask the following questions on every single parcel identified in Section 2 in the same order - **all the parcels in Section 2, Part A and B.**

P A R C E L  I D	What soil type/land quality is this parcel?  1= Good 2= Fair 3= Poor	What is the main water source to this parcel?  1=Irrigated 2=Rain-fed 3=Swamp/Wetland	In general what is the topography of this parcel?  1= Hilly 2= Flat 3= Gentle slope 4= Steep slope 5= Valley 6= Other	Distance from homestead in km?  <b>IF HOMESTEAD FARM, WRITE 0</b>	Do you or any other member of your household have the following rights to this parcel?						Who has the ownership or use rights to this parcel?  1= Head 2= Spouse 3= Head and spouse jointly 4= Other household members 5= Other	Who usually (mainly) works on this parcel?  <b>USE THE SAME CODE AS 12</b>	Who mainly manages/controls the output from this parcel among the household members?  <b>USE THE SAME CODE AS 12</b>
					<b>CODE</b>  1= Without anybody's approval 2= With approval from spouse and children 3= With approval from extended family 4= With approval from local authority 5= With approval from the landlord/owner 6= No right 7= Other (specify)								
					To sell ownership or use rights?	To bequeath ownership or use rights?	To rent it to someone else?	To plant tree crops?	To use it as a loan security?  <b>If code 6, skip go to 12</b>	How much money (in U. Shs.) can you borrow using this parcel as a loan security?			
1	2	3	4	5	6	7	8	9	10	11	12	13	14

## Section 9: Land Title, Certificate and Disputes

All the parcels in Section 2 Part A and B.

P A R C E L  I D	Does this parcel have a formal certificate of title or customary certificate of ownership or certificate of occupancy issued by and registered with government authorities?  1=Certificate of title 2= Certificate of customary ownership 3=Certificate of occupancy 4=No document (>> 4)	Do you or other member of this household actually have a hard copy of the certificate?  1=Yes 2=No  [>> 7]	Would you want to obtain a certificate?  1=Yes: Certificate of title 2=Yes: Certificate of Customary ownership 3=yes: Certificate of occupancy 4=None (>> 7)	Are you willing to pay for it?  1=Yes 2=No (>> 7)	How much are you willing to pay for it?	Have you ever been concerned that somebody might dispute your ownership/use rights on this parcel?  1=Yes 2=No (>> 9)	With whom?  1= Head's family members 2= Spouse's family members 3= Landlord 4= Squatters/ Migrants 5= Other relatives 6= Tenant 7= Relatives of previous land owner 8= Politician/ government 9= Other (specify)	Have you ever had any land disputes over ownership/ use rights of this parcel?  1= Yes 2= No (>> NEXT PARCEL)	In which year, did the most recent dispute start?	With whom?  1= Head's family members 2= Spouse's family members 3= Landlord 4= Squatters/ Migrants 5= Other relatives 6= Tenant 7= Relatives of previous land owner 8= Politician/ government 9= Other (Specify)	Is this dispute resolved?  1= Yes 2= Not yet (>> NEXT PARCEL)	In which year was this dispute resolved?
1	2	3	4	5	6	7	8	9	10	11	12	13

## Section 10: Livestock Ownership

### Part A: Cattle and Pack Animals

1. Has any member of your household raised or owned cattle and pack animals during the last 12 months?

1= YES

2= NO (>> PART B)

Type of Livestock	Livestock code	During the last 12 months, has any member of your household raised or owned any [...]?	How many of [...] are owned by your household now? Number owned now (present at your farm or away)	If you would sell one of the [...] today, how much would you receive from the sale?	How many did you own exactly 12 months ago (present or away)?	During the last 12 months, how many were born or graduated to?	During the last 12 months, how many were received as gift?	During the last 12 months, how many died, got lost?	During the last 12 months, how many were given as gifts?	Did you buy any [...] to raise during the last 12 months?	Did you sell any [...] during the last 12 months?	How many were slaughtered in the last 12 months?		
		1= Yes 2= No (>> NEXT ANIMAL)	IF ZERO, GO TO 7.							Number bought  IF NONE WRITE 0, GO TO 14	Total purchase value of all bought  INCLUDING VALUE OF IN-KIND PAYMENTS	Number sold  IF NONE WRITE 0, GO TO 16	Total sales value of all sold  INCLUDING VALUE OF IN-KIND PAYMENTS	
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
EXOTIC/CROSS														
Calves	1													
Bulls and Oxen	2													
Heifer and Cows	3													
INDIGENOUS														
Calves	4													
Bulls and Oxen	5													
Heifer and Cows	6													
Donkeys	7													
Mules	8													



## Section 10:...Cont.

### Part B: Small Animals

1. Has any member of your household raised or owned small animals during the last 6 months?

1= YES

2= NO (>> PART C)

Type of Livestock	Livestock code	During the last 6 months, has any member of your household raise or owned any [...]?	How many of [...] are owned by your household now? Number owned now (present at your farm or away)	If you would sell one of the [...] today, how much would you receive from the sale?	How many did you own exactly 6 months ago (present or away)?	During the last 6 months, how many were born?	During the last 6 months, how many were received as gift?	During the last 6 months, how many died, got lost?	During the last 6 months, how many were given as gifts?	Did you buy any [...] to raise during the last 6 months?		Did you sell any [...] during the last 6 months?		How many were slaughtered in the last 6 months?
		1= Yes 2= No (>> NEXT ANIMAL)	IF ZERO, GO TO 7.							Number bought  IF NONE WRITE 0, GO TO 14	Total purchase value of all bought  INCLUDING VALUE OF IN-KIND PAYMENTS	Number sold  IF NONE WRITE 0, GO TO 16	Total sales value of all sold  INCLUDING VALUE OF IN-KIND PAYMENTS	
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>EXOTIC/IMPROVED</b>														
Male goats	13													
Female goats	14													
Male sheep	15													
Female sheep	16													
<b>LOCAL</b>														
Male goats	17													
Female goats	18													
Male sheep	19													
Female sheep	20													
Pigs	21													

## Section 10:...Cont.

### Part C: Poultry and Others

1. Has any member of your household raised or owned poultry, bees or other domesticated birds during the last 3 months?

1= YES

2= NO (>> SECTION 11)

Type of Livestock	Livestock code	During the last 3 months, has any member of your household raise or owned any [...]?  1= Yes 2= No (>> NEXT ANIMAL)	How many of [...] are owned by your household now? Number owned now (present at your farm or away)  IF ZERO, GO TO 7.	If you would sell one of the [...] today, how much would you receive from the sale?	How many did you own exactly 3 months ago (present or away)?	During the last 3 months, how many were born?	During the last 3 months, how many were received as gift?	During the last 3 months, how many died, got lost?	During the last 3 months, how many were given as gifts?	Did you buy any [...] to raise during the last 3 months?		Did you sell any [...] during the last 3 months?		How many were slaughtered in the last 3 months?
										Number bought  IF NONE WRITE 0, GO TO 14	Total purchase value of all bought  INCLUDING VALUE OF IN-KIND PAYMENTS	Number sold  IF NONE WRITE 0, GO TO 16	Total sales value of all sold  INCLUDING VALUE OF IN-KIND PAYMENTS	
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Rabbits	31													
Backyard chicken	32													
Parent stock for broilers	33													
Parent stock for layers	34													
Layers	35													
Pullet chicks	36													
Growers	37													
Broilers	38													
Turkeys	39													
Ducks	40													
Geese and other birds	41													
Beehives	42													

## SECTION 11: Livestock Expenditure and Income

### Part A: IN THE LAST 12 MONTHS, have you had any of the following expenditures related to livestock?

Type of Expenditure	Expenditure code	Did you spend any on [...]?	Cash value (if in kind, give estimated cash value)
		1= Yes 2= No (>> NEXT TYPE)	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
hired labour for herding	1		
Livestock/poultry feed	2		
veterinary services/medicine	3		
other expenses	4		

### Part B: What was the total production and gross income from the sale of household's animal products in THE LAST 12 MONTHS unless specified?

Type of Product	Product code	Production			Sales			
		Did you produce any [...]?	Quantity	Unit code	Did you sell any [...]?	Quantity	Unit code	Total revenue obtained from the sale of [...]? Include estimated cash value of in-kind payments.
		1= Yes 2= No (>> NEXT TYPE)			1= Yes 2= No (>>NEXT TYPE)			
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
meat (EXCLUDE LIVE ANIMALS)	101							
hides/skins	102							
butter/cheese	103							
milk/cream	104							
dungcakes	105							
Eggs (LAST THREE MONTHS)	106							
Honey (LAST SIX MONTHS)	107							
Fish (LAST SIX MONTHS)	108							

10. Did you get any income from hiring out oxen/donkey/mule during the last 12 months?

1= Yes

2= No (>> NEXT SECTION)

11. If yes, how much did you get? Cash value (if in kind, give estimated cash value)

## Section 12: Agricultural Technology and Extension Services

### Part A: Access to Extension Services

1. Has this household been visited by an extension worker during the past 12 months?  
1= Yes  
2= No (>> 3)
2. How many times did any agricultural extension worker visit your household during the past 12 months?  
Times
3. Has any member of your household participated in a training program organized by NAADS?  
1= Yes  
2= No
4. Is any member of your household a member of farmers' group under farmer institutional development scheme of NAADS?  
1= Yes  
2= No (>> 6)

5. Has any member of your household participated in prioritizing enterprises to demand for advisory services under NAADS programs?  
1= Yes  
2= No
6. Does the head of the household know about the changes in the land tenure system brought by the 1998 Land act?  
1= Yes  
2= No
7. Does the spouse of the head know about the changes in the land tenure system brought by the 1998 Land act?  
1= Yes  
2= No

### Part B: Access to and Demand for Agricultural Technology

Irrespective of whether or not you had access to extension, indicate access to specific agricultural technology in the table below

Type of technology	Code	Have you changed your practices with respect to [...] during the last 5 years (since March 2001)?  1= Yes 2= No	How much could good information on [...] improve your production?  1= Very much 2= Somewhat 3= Hardly 4= Not at all 5= Don't know	Would you be willing to pay for it?  1= Yes 2= No (>> 7)	How much?	Do you have access to information with respect to [...]?  1= No access (>> 9) 2= Through regular government extension 3= Through NAADS 4= Through mass media 5= Talk to other farmers 6= Other	How do you evaluate the usefulness of the information with respect to [...]?  1 = Quality and frequency ok 2 = Quality ok but too infrequent 3 = Right frequency but content insufficient 4 = Neither is useful	Compared with March 2001, would you say that your access to information with respect to [...] is  1= Much more now 2= More now 3= About the same 4= Less now 5= Much less now
1	2	3	4	5	6	7	8	9
<b>Crop production and marketing</b>								
Soil fertility management	1							
Crop protection	2							
Farm management	3							
Improved produce quality /varieties	4							
On-farm storage (post-harvest)	5							
Improved individual and group marketing	6							
<b>Animal production</b>								
Disease control	7							

### Part C: Quiz to Test Farmers' Knowledge about Agricultural Technology

1. Which of the following crops improve soil fertility by capturing nutrients; making food and putting it back it to the soil?

1. Maize
2. Cassava
3. Beans
4. Sorghum
5. Matoke
6. Don't know

2. Which of the following cassava planting methods provides better yields?

1. Vertically planted sticks
2. Horizontally planted sticks
3. Both
4. Don't know

3. Which of the following methods increase susceptibility of crops to pests and diseases?

1. Mulching
2. Adequate pruning
3. Use of recommended amount of fertilizer
4. Late season planting
5. Don't know

4. Which of the following crops would follow beans better in a rotation?

1. Groundnuts
2. Soya beans
3. Maize
4. Don't know

5. For best results banana should be left with a total \_\_\_\_\_ plants in each stool (stand)?

1. One
2. Three
3. Ten
4. Fifteen
5. Don't know

6. \_\_\_\_\_ is the most common pest on bananas?

1. Banana weevils
2. Fruit borers
3. Leaf miners
4. Don't know
- 5.

7. What is the recommended quantity of DAP that has to be applied per hill/hole when planting maize?

1. One bottle top
2. One Kilogram
3. One gram
4. Don't know

# Part D: Knowledge Test on Improved Varieties

Description of improved variety	Code	Do you know the [...] variety?  1= Yes 2= No (>> NEXT CROP)	Information source  1 = Through regular government extension 2 = Through NAADs 3 = Through mass media 4= Talk to other farmers 5= Other (specify)	Have you ever used this variety?  1= Yes, during the last 12 months 2= Yes, used it in the past 3= No
1	2	3	4	5
Cassava – high yielding and resistant mosaic	1			
Maize – high yielding (7000 kg/ha) and high quality protein	2			
Beans – disease resistant and high yielding	3			
Banana – high yielding matooke	4			
Finger millet – high yielding varieties (2300 – 2800 kg/ha) with good food and brewing qualities	5			
Groundnuts – high yielding (3000 kg/ha), resistant to rosette and tolerant to draught	6			
Simsim – high yielding (800-1000 kg/ha)	7			
Irish potato – high yielding	8			