

GHANA GOVERNMENT

Ministry of Food and Agriculture
Directorate of Statistics, Research and Information
Accra, Ghana

Annual Crop and Livestock Survey FORM 1 (Household & Holders Listing Form)

Name of Enumeration Area: _____

EA No.:

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EA Category: Rural
Semi-Urban
Urban

Locality: _____ District: _____

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Region: _____

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Enumerator's name: _____ Date Enumeration completed: _____

Supervisor's name: _____ Date Editing completed by Supervisor: _____

Signature of Supervisor: _____

LISTING OF HOUSEHOLDS AND HOLDERS

[illegible]

*Codes for occupation:

1= Farmer ; 2= Farm hand ; 3= Fishing ; 4= Agro-processing ; 5= Trader ; 6= Artisan ; 7= Civil/Public Servant; 8= Unskilled ; 9= Other; 10= Student; 11=None

*Codes for occupation:
1= Farmer ; 2= Farm hand ; 3= Fishing ; 4= Agro-processing ; 5= Trader ; 6= Artisan ; 7= Civil/Public Servant; 8= Unskilled ; 9= Other; 10= Student; 11=None

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GHANA GOVERNMENT

Ministry of Food and Agriculture
Directorate of Statistics, Research and Information
Accra, Ghana

Annual Crop and Livestock Survey

FORM 2

HOLDING ENQUIRY

Name of Enumeration Area: _____

EA No.:

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EA Category: Rural
Semi-Urban
Urban

Locality: _____ District: _____

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Region: _____

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Household No: _____ Holder No: _____ Name of HH Head: _____

Name of Holder: _____

Enumerator's name: _____ Date Enumeration completed: _____

Supervisor's name: _____ Date Editing completed by Supervisor: _____

Signature of Supervisor: _____

Q1 HOUSEHOLD COMPOSITION: Please fill in information for all the members of the holder's household

No	Name of all Persons in Household beginning with the Head			Marital Status (Code *)	Age	Sex		Occupation				Is person an agricul tural holder ?	Literate		Years of Educa tion
								Primary	C o d e	Secondary	C o d e				
		Relation-Ship to HHH	C o d e	M		S	M	F	Code**	Y	N				
	(1)	(2)		(3)	(4)	(5)	(6)		(7)		(8)	(9)		(10)	
1		Head	1	1	2		1	2				1	0		
2				1	2		1	2				1	0		
3				1	2		1	2				1	0		
4				1	2		1	2				1	0		
5				1	2		1	2				1	0		
6				1	2		1	2				1	0		
7				1	2		1	2				1	0		
8				1	2		1	2				1	0		
9				1	2		1	2				1	0		
10				1	2		1	2				1	0		
11				1	2		1	2				1	0		
12				1	2		1	2				1	0		
13				1	2		1	2				1	0		
14				1	2		1	2				1	0		
15				1	2		1	2				1	0		
16				1	2		1	2				1	0		
17				1	2		1	2				1	0		
18				1	2		1	2				1	0		
19				1	2		1	2				1	0		
20				1	2		1	2				1	0		
21				1	2		1	2				1	0		
22				1	2		1	2				1	0		
23				1	2		1	2				1	0		
24				1	2		1	2				1	0		
25				1	2		1	2				1	0		
26				1	2		1	2				1	0		
27				1	2		1	2				1	0		
28				1	2		1	2				1	0		
29				1	2		1	2				1	0		
30				1	2		1	2				1	0		

*Relationship to HHH codes:
 1= Head
 2= Spouse
 3= Son
 4= Daughter
 5= Grandson
 6= Granddaughter
 7= Brother/Sister
 8= Other

*Codes for occupation:
 1= Farmer
 2= Farm hand
 3= Fishing
 4= Agro-processing
 5= Trader
 6= Artisan
 7= Civil/Public Servant
 8= Unskilled
 9= Other
 10= Student
 11= None

**Codes for agricultural holder:
 0= Not an agricultural holder
 1= Holder of this holding
 (This sample holder)
 2= Holder of a different holding

HOLDING STATUS (of the holder, NOT the household)

Q.2 What **kind(s) of agriculture** is carried out in this holding

	<u>Yes</u>	<u>No</u>
1) Tree crop farming.....	1	0
2) Food crop farming.....	1	0
3) Industrial crop (cotton, jute, tobacco, etc)	1	0
4) Livestock/poultry farming	1	0

If more than one, state the **main** kind of agriculture from the above options _____

- Q.3 Who controls/owns the holding? (*Circle only one category*)
- 1) Individual person in the household..... 1
 - 2) Joint household ownership..... 2
 - 3) Two or more individuals of different hh or two or more hh..... 3

LABOUR

- Q.4 **UNPAID FAMILY WORKERS:** Apart from the holder, give the number of **other family members** who worked on this holding last year?

	M	F
Casual (<i>give number</i>)		
Permanent (<i>give number</i>)		

(Enter "0" in any cell where there is no such category of workers)

- Q.5 **HIRED LABOUR:** Did you use hired labour on this holding last year? Yes No
1 0
 (if No go to Q.7)

- Q.6 For such **hired labour**, what was the daily wage in cedis paid for:

	Activity	Hours Worked Per Day	Wage in Cedis
Cultivation (Any Activity before Harvesting)			
Any Harvest or Post Harvest Activities			

CREDIT

- Q.7 Did holder use credit or not last year? Yes No
1 0
 (if No go to Q.13)
- Q.8 If yes in Q.7, what was the source of credit? Formal Informal Both
1 2 3
- Q.9 Was the credit in cash or in kind or both? Cash In-kind Cash and in-kind
1 2 3
- Q.10 If the credit was taken for crops, for which crops did you take the credit? Cash Crop Food Crop
1 2
- Q.11 If credit in-kind, state value of in-kind credit in cedis: _____
- Q.12 If credit in cash, indicate the source(s) State also the proportion of credit

	<u>Yes</u>	<u>No</u>	<i>Proportion</i>
1) Formal financial system...	1	0	
2) Co-operative Society	1	0	
3) Relatives	1	0	
4) Pre-finance	1	0	
5) Other Sources	1	0	
TOTAL			100%

CROPS

Q.13 Indicate the crops already grown or will be grown this year by circling the "1" under "yes" for such crops

STARCH STAPLES CROPS		Yes	INDUSTRIAL		Yes	SPICES		Yes
101	Cassava	1	301	Citronella	1	601	Black pepper	1
102	Cocoyam	1	302	Cotton	1	602	Ginger	1
103	Maize	1	303	Jute	1	603	Nutmeg	1
104	Millet	1	304	Kenaf	1	604	Onions	1
105	Plantain	1	305	Rubber	1	605	Pepper (Hot)	1
106	Rice	1	306	Sissal	1	606	Shallots	1
107	Sorghum	1	307	Sweet Berry	1			
108	Sweet potato	1	308	Sugar Cane	1			
109	Taro	1	309	Tobacco	1	PULSES/LEGUMES		
110	Yam	1	HORTICULTURE			701	Bambara beans	1
			401	Flowers	1	702	Cow peas	1
			402	Pineapples	1	703	Ground nuts	1
201	Avocado	1	403	Watermelon	1	704	Pigeon peas	1
202	Banana	1	VEGETABLES			705	Soya bean	1
203	Cashew	1	501	Asian vegetables	1			
204	Cocoa	1	502	Cabbage	1			
205	Coconut	1	503	Carrots	1			
206	Coffee	1	504	Garden eggs	1	800	OTHER	
207	Cola	1	505	Lettuce	1			
208	Lime	1	506	Melon (agusi)	1			
209	Mango	1	507	Okro	1			
210	Oil-palm	1	508	Pepper (Sweet)	1			
211	Oranges	1	509	Pumpkin leaves	1			
212	Paw-paw	1	510	Talinum leaves	1			
213	Shea-nut	1	511	Tomato	1			

FARMS IN THE HOLDING

Q.14 How many farms are in this holding?

Complete the table below for EACH farm in the holding

		Farm 1	Farm 2	Farm 3	Farm 4	Farm 5	Farm 6
Q.15	Pure crop or mixed crops on the farm (Use abbreviated name, eg mz for maize) see last page						
Q.16	Approximate area (acres) (farmer's estimate)						
Q.17	State the tenure under which each farm was held (circle only one per farm)						
	Owned/owner like possession	1	1	1	1	1	1
	Rented/Share Cropping	2	2	2	2	2	2
	Squatter basis	3	3	3	3	3	3
	Communal	4	4	4	4	4	4
	Other	5	5	5	5	5	5
Q.18	Have you or will you use fertilizer on this farm this year?	Y 1	1	1	1	1	1
		N 0	0	0	0	0	0
	If yes what type?						
	(1) organic	Y 1	1	1	1	1	1
		N 0	0	0	0	0	0
	(2) inorganic	Y 1	1	1	1	1	1
		N 0	0	0	0	0	0
Q.19	Have you or will you use pesticides on this farm this year.	Y 1	1	1	1	1	1
		N 0	0	0	0	0	0
Q.20	Have you or will you use weedicides on this farm this year?	Y 1	1	1	1	1	1
		N 0	0	0	0	0	0
Q.21	Have you or will you use any improved seeds or planting material on this farm this year?	Y 1	1	1	1	1	1
		N 0	0	0	0	0	0
Q.22	Is this farm irrigated?	Y 1	1	1	1	1	1
		N 0	0	0	0	0	0
	If yes, name the main source of water? (Circle only one for each farm)						
	River/stream	1	1	1	1	1	1
	Well/tube well	2	2	2	2	2	2
	Dam/pond	3	3	3	3	3	3
	Other	4	4	4	4	4	4
Q.23	What proportion of production is used. (Use percentage)						
	For home consumption						
	For sales						

SALE OF FARM PRODUCE

Q.24.	Was there any sale of farm produce last agricultural season (<i>if "No" g to Q.28</i>)	<u>Yes</u>	<u>No</u>
		1	0

Q.25 If yes, **where** did you sell?

Yes No

1.	On the farm.	1	0
----	-------------------	---	---

2.	In holder's residence	1	0
----	-----------------------------	---	---

3.	In the local market	1	0
----	---------------------------	---	---

4.	Assembling or wholesale market	1	0
----	--------------------------------------	---	---

If more than one, state the **main** location of sale from the above options _____

Q.26 If produce was sold away from farm, what was the **form of transportation**

Yes No

1.	Headloading	1	0
----	-------------------	---	---

2.	Bicycle/motorcycle	1	0
----	--------------------------	---	---

3.	Tractor	1	0
----	---------------	---	---

4.	Push truck	1	0
----	------------------	---	---

5.	Motor car/Trucks	1	0
----	------------------------	---	---

6.	Boat/river transportation	1	0
----	---------------------------------	---	---

7.	Animal Drawn Cart	1	0
----	-------------------------	---	---

8.	Power Tiller	1	0
----	--------------------	---	---

9. Rail 1 0

10.	Other forms	1	0
-----	-------------------	---	---

If more than one, state the **main** form of transportation from the above options

Q.27 State the buyers of your produce:

Yes No

1.	Factory, cannery, mill etc.....	1	0
----	---------------------------------	---	---

2.	Poultry, livestock station.....	1	0
----	---------------------------------	---	---

3.	Institutions(e.g. School).....	1	0
----	---------------------------------	---	---

4.	Wholesaler	1	0
----	------------------	---	---

5.	Retailers (at market)	1	0
----	-----------------------------	---	---

If more than one, state the **main** buyer from the above options

CROP STORAGE

Q.28. State the quantity of the following crops stored at end of last season

Crop	Unit*	Quantity
Maize		
Rice		
Millet		
Sorghum		

*Indicate size of unit (where appropriate)

Q.29 What are the storage facilities available?

	<u>Yes</u>	<u>No</u>
1. Silos	1	0
2. Granaries	1	0
3. Pots for storage	1	0
4. Cribs/Barns	1	0
5. Room storage	1	0
6. Others(Specify).....	1	0

*If more than one, state the **main** facility from the above options*

FARM MACHINERY & EQUIPMENT

Q.30 Indicate which of the following farm equipment are **owned by the holder**, whether on the holding or elsewhere

	<u>Yes</u>	<u>No</u>
1. Planting equip. (e.g. jab/rotary)..	1	0
2. Chemical sprayer.....	1	0
3. Farm Machinery (e.g. Tractor, harvester)	1	0
4. Milling Equipment	1	0
5. Other.....	1	0

Q.31 Indicate which of the following farm equipment are **not owned by the holder**, but have been used or will be used on the holding this year

	<u>Yes</u>	<u>No</u>
1. Planting equip. (e.g. jab/rotary) ...	1	0
2. Chemical sprayer	1	0
3. Farm Machinery (e.g. Tractor, Harvester)	1	0
4. Milling Equipment	1	0
5. Other.....	1	0

FARM RECORD KEEPING

Q.32 Do you keep farm records? Yes No

1 0

If No skip to Q35

Q.33 Why do you keep farm records? *(Circle as appropriate)*

	<u>Yes</u>	<u>No</u>
• To help keep track of expenditure,	1	0
• To help keep track of income.....	1	0
• For seeking bank loan.....	1	0
• Others (<i>Specify</i>).....	1	0

Q.34 What methods do you use to keep records? *(Circle as appropriate)*

	<u>Yes</u>	<u>No</u>
• Simple book keeping.....	1	0
• Recording figures on walls.....	1	0
• Counting of pebbles.....	1	0
• Other(<i>Specify</i>).....	1	0

LIVESTOCK AND POULTRY

Q.35 Is this holding involved in livestock and/or poultry farming? Yes No

1 0

(If No stop interview)

Q.36 If Yes in Q35, how many of the following livestock and poultry do you own?

Code	LIVESTOCK	Number	
		Male	Female
11	Cattle - less than 1 year		
12	" - 1 year and above		
21	Sheep - less than 1 year		
22	" - 1 year and above		
31	Goat - less than 1 year		
32	" - 1 year and above		
41	Pigs - less than 1 year		
42	" - 1 year and above		
50	Other - specify		

Code	POULTRY ≥10	
	Type	Number
61	Chicken	
62	Duck	
63	Turkey	
64	Guinea fowl	
65	Others (<i>specify</i>)	

Q.37 How do you keep livestock on this holding? Yes No

1. Free range	1	0
2. Semi-intensive	1	0
3. Intensive	1	0

*If more than one, state the **main** system from the above options.....*

Q.38 How do you keep poultry on this holding? Yes No

1. Free range	1	0
2. Semi-intensive	1	0
4. Intensive	1	0

*If more than one, state the **main** system from the above options.....*

Q.39	What livestock, livestock products and/or by-products do you usually produce ?	<u>Yes</u>	<u>No</u>
1.	Live animals and birds	1	0
2.	Meat (slaughtered animals and birds).....	1	0
3.	Hides and skins.....	1	0
4.	Milk.....	1	0
5.	Eggs.....	1	0
6.	Manure.....	1	0
7.	Others(Specify).....	1	0

GHANA GOVERNMENT

Ministry of Food and Agriculture
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Accra, Ghana

Annual Crop and Livestock Survey

FORM 3

FIELD AREA MEASUREMENTS

Name of Enumeration Area: _____

EA No.:

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EA Category: Rural
Semi-Urban
Urban

Locality: _____

District: _____

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Region: _____

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Household No: _____

Holder No: _____

Name of HH Head: _____

Name of Holder: _____

Enumerator's name: _____

Date Enumeration completed: _____

Supervisor's name: _____

Date Editing completed by Supervisor: _____

Signature of Supervisor: _____

FORM 3A : RECORD OF FIELD AREA MEASUREMENT

[illegible]

FORM 3B: INVENTORY OF FARM AND CROPS GROWN

Farm No. _____

Location: (a) Near (b) Far

Field	Pure crop	Crops in mixtures:				Field area from calculator (ha)	Sketch Map if farm has more than 1 field.
		Crop 1	Crop 2	Crop 3	Crop 4		
1							
2							
3							
4							

Farm No. _____

Location: (a) Near (b) Far

Field	Pure crop	Crops in mixtures:				Field area from calculator (ha)	Sketch Map if farm has more than 1 field.
		Crop 1	Crop 2	Crop 3	Crop 4		
1							
2							
3							
4							

FORM 3C: SELECTION OF FIELDS AND PLOTS FOR CROP CUTTING

EA No.

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District

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Region

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	Holder	farm	field														
				a	b	A	b	A	b	a	b	a	b	a	b	a	b
1				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
2				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
3				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
4				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
5				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
6				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
7				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
8				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
9				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
10				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
11				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
12				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
13				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
14				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
15				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
16				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
17				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
18				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
19				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	
20				+..... ...		+.....		+.....		+.....		+.....		+.....		+.....	

(a)=hectares, (b)=number of plots to be established

Cumulative limit of Size of Fields Measured	Number of Plots to Cut
< 0.4 hectares	0
0.4 - 1.99 hectares	2
2 - 3.99 hectares	1
4 - 5.99 hectares	1
6 hectares and above	1

Enumerator

date

GHANA GOVERNMENT

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Annual Crop and Livestock Survey

FORM 4

CROP YIELD MEASUREMENTS (FORMS 4A, 4B, 4C & 4D)

Name of Enumeration Area: _____		EA No.:	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>										
EA Category:	<table border="1"><tr><td>Rural</td></tr><tr><td>Semi-Urban</td></tr><tr><td>Urban</td></tr></table>	Rural	Semi-Urban	Urban									
Rural													
Semi-Urban													
Urban													
Locality: _____	District: _____	<table border="1"><tr><td></td><td></td><td></td><td></td></tr></table>					Region: _____	<table border="1"><tr><td></td><td></td></tr></table>					
Household No: _____ Holder No: _____ Name of HH Head: _____													
Name of Holder: _____													
Enumerator's name: _____ Date of Enumeration completion: _____													
Supervisor's name _____ Date Editing completed by Supervisor: _____													
Signature of Supervisor: _____													

FORM 4A: YIELD QUESTIONNAIRE (CEREALS)

(Plot size 6m x 6m, except Rice 3m x 3m)

EA No.

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District

Region

Date of plot establishment: / /
Day month

Study crop:

1. Data for approaching the Q point:

1.1 Approach point from the calculator:

1.2 Bearing from Approach point to Q point: degrees

1.3 Distance from Approach point to Q point: metres

2. Probable date harvesting begins:

3. Crops found on the plot on the date of plot establishment:

	Name of Crop	Number of		Number of all visible cobs, ears or heads:
		Stands	Plants	
<i>Study crop</i>	1			
Other crops:	2			Remarks:
	3			
	4			
	5			
	6			

4. Date of harvesting and weighing: / /
Day month

5. Crops found on the plot on the date of harvesting and weighing:

	Name of Crop	Number of		Mature cobs, ears or heads		Dry Grain
		Stands	Plants	No.	Weight in kg	Weight in kg
<i>Study crop</i>	1					
Other crops:	2			Remarks:		
	2					
	4					
	5					
	6					

Enumerator

Date

Supervisor

Date

--	--	--	--	--	--	--	--

Region:

Study crop: _____

3. Crops found on the plot on the date of plot establishment:

6. Crops found on the plot on the date of harvesting and weighing:

	Name of Crop	Number of		Tubers	
		Stands	Plants	Number	Weight in kg
<i>Study crop</i>	1				
Other crops:	2			Remarks:	
	2				
	4				
	5				

Date _____

FORM 4C: YIELD QUESTIONNAIRE (YAM) (Plot size 9m x 9m)

EA No.

--	--	--	--	--	--	--	--

District: Region:

Date of plot establishment: ____/____/____
Day month

1. Data for approaching the Q point:
 - 1.1 Approach point from the calculator: _____
 - 1.2 Bearing from Approach point to Q point: _____ degrees
 - 1.3 Distance from Approach point to Q point: _____ metres
2. How will the farmer harvest the Yam on this field. (*Check or state the proportions in fractions*):
 - 2.1 Will the farmer prick the yam? yes no

☐

☐
 - 2.2 Continuously ☐ All at once ☐

3. Crops found on the plot on the date of plot establishment:

	Name of Crop	Number of		Variety of Yam:
		Mounds	Plants	
<i>Study crop</i>	1 Yam			
Other crops:	2			Remarks:
	3			
	4			
	5			

4. Probable date harvesting begins: _____

5. *Date of harvesting and weighing:* ____/____/____
Day month

6. Crops found on the plot on the date of harvesting and weighing:

	Name of Crop	Number of		No. of Tubers	Weight (kg)
		Mounds	Plants		
<i>Study crop</i>	1 Yam				
Other crops	2				Remarks:
	3				
	4				
	5				

Enumerator

Date

Supervisor

Date

FORM 4D: YIELD QUESTIONNAIRE (PLANTAIN) (Plot size 9m x 9m)

EA No.

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District: Region:

Date of plot establishment: /
Day month

1. Data for approaching the Q point:
 - 1.1 Approach point from the calculator: _____
 - 1.2 Bearing from Approach point to Q point: _____ degrees
 - 1.3 Distance from Approach point to Q point: _____ metres
2. How will the farmer harvest the Plantain on this field?

3. Crops found on the plot on the date of plot establishment:

	Name of Crop	Number of		Number visibly	
		Stands	Plants	flowering	Fruiting
<i>Study crop</i>	1 Plantain (Apentu)				
	2 Plantain (Apem)				
Other crops:	3			Remarks:	
	4				
	5				

4. Probable date harvesting begins: _____

5. *Date of harvesting and weighing:* /
Day month

6. Crops found on the plot on the date of harvesting and weighing:

c. Crops found on the plot on the date of harvesting and weighing.								
	Name of Crop	Number of		Number visibly				Weight (Kg)
		Stands	Plants	Flowering		Fruiting		
				On 1 st visit	Develo ped later	On 1 st visit	Devel- oped later	
<i>Study crop</i>	1 Plantain(Apentu)							
	2 Plantain (Apem)							
Other crops:				Remarks:				
	3							
	4							
	5							

Enumerator

Date

Supervisor

Date

GHANA GOVERNMENT

Directorate of Statistics, Research and Information
Ministry of Food and Agriculture
Accra, Ghana

Annual Crop and Livestock Survey

FORM 5

COMMERCIAL AND INSTITUTIONAL HOLDING ENQUIRY

Locality _____ District _____

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 Region _____

--	--

Name of Holding _____ Holding No. _____

--	--

Address of Holding _____

Date of Completion: _____

Respondent: _____

NB: If holding is Institutional, skip Q1

Q1 **HOUSEHOLD COMPOSITION:** Please fill in information for all the members of the holder's household

No	Name of all Persons in Household beginning with the Head	Relation-ship to HHH		Marital Status (Code *)		Age	Sex		Occupation				Is person an agricultural holder ?	Literate		Years of formal Education
									Primary	Cod e	Secondary	Cod e				
				M	S		M	F					Code**	Y	N	
	(1)	(2)		(3)		(4)	(5)		(6)		(7)		(8)	(9)		(10)
1		Head		1	2		1	2						1	0	
2				1	2		1	2						1	0	
3				1	2		1	2						1	0	
4				1	2		1	2						1	0	
5				1	2		1	2						1	0	
6				1	2		1	2						1	0	
7				1	2		1	2						1	0	
8				1	2		1	2						1	0	
9				1	2		1	2						1	0	
10				1	2		1	2						1	0	
11				1	2		1	2						1	0	
12				1	2		1	2						1	0	
13				1	2		1	2						1	0	
14				1	2		1	2						1	0	
15				1	2		1	2						1	0	
16				1	2		1	2						1	0	
17				1	2		1	2						1	0	
18				1	2		1	2						1	0	
19				1	2		1	2						1	0	
20				1	2		1	2						1	0	
21				1	2		1	2						1	0	
22				1	2		1	2						1	0	
23				1	2		1	2						1	0	
24				1	2		1	2						1	0	
25				1	2		1	2						1	0	
26				1	2		1	2						1	0	
27				1	2		1	2						1	0	
28				1	2		1	2						1	0	
29				1	2		1	2						1	0	
30				1	2		1	2						1	0	

*Relationship to HHH codes:

- 1= Head
- 2= Spouse
- 3= Son
- 4= Daughter
- 5= Grandson
- 6= Granddaughter
- 7= Brother/Sister
- 8= Other

*Codes for occupation:

- 1= Farmer
- 2= Farm hand
- 3= Fishing
- 4= Agro-processing
- 5= Trader
- 6= Artisan
- 7= Civil/Public Servant
- 8= Unskilled
- 9= Other
- 10= Student
- 11= None

**Codes for agricultural holder:

- 0= Not an agricultural holder
- 1= Holder of this holding
(This sample holder)
- 2= Holder of a different holding

HOLDING STATUS (of the holder, NOT the household)

Q.2 What **kind(s) of agriculture** is carried out in this holding

	<u>Yes</u>	<u>No</u>
1) Tree crop farming.....	1	0
5) Food crop farming.....	1	0
6) Industrial crop (cotton, jute, tobacco, etc)	1	0

7) Livestock/poultry farming 1 0

*If more than one, state the **main** kind of agriculture from the above options* _____

Q.3 Who controls/owns the holding? *Circle only one category*

4) Individual person in the household..... 1

5) Joint household ownership..... 2

6) Two or more individuals of different hh or two or more hh..... 3

LABOUR

Q.4 A part from the holder, did **other family members work** (unpaid) on this holding last year?

	M	F
Casual (give number)		
Permanent (give number)		

Q.5 Did you use hired labour on this holding last year? Yes No
1 0

(if No go to Q.7)

Q.6 For such **hired labour**, what was the daily wage in cedis paid for:

	Activity	Hours Worked Per Day	Wage in Cedis
Cultivation (Any Activity before Harvesting)			
Any Harvest or Post Harvest Activities			

CREDIT

Q.7 Did holder try to borrow or take materials on credit to operate holding last year? Yes No
1 0

(if No go to Q.13)

Q.8 If yes in Q. 7, was the effort successful? Yes No
1 0

(If "No" go to Q.13)

Q.9 Was the credit in cash or in kind or both? Cash In-kind Cash and in-kind
1 2 3

Q.10 For which crops did you take the credit? Cash Crop Food Crop
1 2

Q.11 If credit in-kind, state value of in-kind credit in cedis: _____

Q.12 If credit in cash, indicate the source(s) State also the proportion of credit in cedis:

	<u>Yes</u>	<u>No</u>	<u>Proportion</u>
1) Formal financial system...	1	0	
2) Co-operative Society	1	0	
3) Relatives	1	0	
			100%

4) Prefinance 1 0 _____

5) Other Sources 1 0 _____

Total

CROPS

Q.13 Indicate the crops already grown or will be grown this year by circling the "1" under "yes" for such crops

STARCH STAPLES CROPS	Yes	INDUSTRIAL	Yes	SPICES	Yes
		Citronella	1	Black pepper	1
Cassava	1	Cotton	1	Ginger	1
Cocoyam	1	Jute	1	Nutmeg	1
Maize	1	Kenaf	1	Onions	1
Millet	1	Rubber	1	Pepper	1
Plantain	1	Sissal	1	Shallots	
Rice	1	Sweet Berry	1		
Sorghum	1	Sugar Cane	1		
Sweet potato	1	Tobacco	1	PULSES/LEGUMES	
Taro	1	HORTICULTURE		Bambara beans	1
Yam	1	Flowers	1	Cow peas	1
TREE CROPS	Yes	Pineapples	1	Ground nuts	1
Avocado	1	Watermelon	1	Pigeon peas	1
Banana	1	VEGETABLES		Soya bean	1
Cashew	1	Asian vegetables	1		
Cocoa	1	Cabbage	1		
Coconut	1	Carrots	1		
Coffee	1	Garden eggs	1	OTHER	
Cola	1	Lettuce	1		
Lime	1	Melon (agusi)	1		
Mango	1	Okro	1		
Oil-palm	1	Pepper	1		
Oranges	1	Pumpkin leaves	1		
Paw-paw	1	Talinum leaves	1		
Shea-nut	1	Tomato	1		

FARMS IN THE HOLDING

Q.14 How many farms are in this holding?

Complete the table below for EACH farm in the holding

		Farm 1	Farm 2	Farm 3	Farm 4	Farm 5	Farm 6
Q.15	Pure crop or mixed crops on the farm (Use abbreviated name, eg mz for maize)see last page						
Q.16	Approximate area (acres) (farmer's estimate)						
Q.17	State the tenure under which each farm was held (circle only one per farm)						
	Owned/owner like possession	1	1	1	1	1	1
	Rented/Share Cropping	2	2	2	2	2	2
	Squatter basis	3	3	3	3	3	3
	Communal	4	4	4	4	4	4
	Other	5	5	5	5	5	5
Q.18	Have you or will you use fertilizer on this farm this year?	Y 1 N 0	1 0	1 0	1 0	1 0	1 0
	If yes what type? Indicate major fertilizer used.						
	(1) organic	Y 1 N 0	1 0	1 0	1 0	1 0	1 0
	(2) inorganic	Y 1 N 0	1 0	1 0	1 0	1 0	1 0
Q.19	Have you or will you use pesticides on this farm this year.	Y 1 N 0	1 0	1 0	1 0	1 0	1 0
Q.20	Have you or will you use weedicides on this farm this year?	Y 1 N 0	1 0	1 0	1 0	1 0	1 0
Q.21	Have you or will you use any improved seeds or planting material on this farm this year?	Y 1 N 0	1 0	1 0	1 0	1 0	1 0
Q.22	Is this farm irrigated?	Y 1 N 0	1 0	1 0	1 0	1 0	1 0
	If yes, name the main source of water? (Circle only one for each farm)						

	River/stream	1	1	1	1	1	1
	Well/tube well	2	2	2	2	2	2
	Dam/pond	3	3	3	3	3	3
	Other	4	4	4	4	4	4
Q.23	What proportion of production is used? (Use percentage)						
	For home consumption						
	For sales						

SALE OF FARM PRODUCE

Q.24. Was there any **sale of farm produce** last agricultural season (*if "No" go to Q.31*) Yes No

1 0

Q.25 If yes, **where** did you sell?

Yes No

- | | | | |
|-----|-----------------------------|---|---|
| 11. | On the farm. | 1 | 0 |
| 12. | In holder's residence | 1 | 0 |
| 13. | Tractor..... | 1 | 0 |
| 14. | Push truck | 1 | 0 |

*If more than one, state the **main** location of sale from the above options*

Q.26 If produce was sold away from farm, what was the **form of transportation**

Yes No

- | | | | |
|-----|---------------------------------|---|---|
| 3. | Headloading | 1 | 0 |
| 4. | Bicycle/motorcycle | 1 | 0 |
| 5. | Tractor | 1 | 0 |
| 6. | Push truck | 1 | 0 |
| 7. | Motor car/vehicle | 1 | 0 |
| 8. | Boat/River transportation | 1 | 0 |
| 9. | Animal Drawn cart | 1 | 0 |
| 10. | Power Tiller | 1 | 0 |
| 11. | Rail | 1 | 0 |
| 12. | Other forms | 1 | 0 |

*If more than one, state the **main** form of transportation from the above options*

Q.27 State the buyers of your produce:

Yes No

- | | | | |
|----|----------------------------------|---|---|
| 6. | Factory, cannery, mill etc..... | 1 | 0 |
| 7. | Poultry, livestock station..... | 1 | 0 |
| 8. | Institutions (E.g. Schools)..... | 1 | 0 |

9. Wholesaler 1 0
10. Retailers (at market) 1 0
11. Consumers 1 0

*If more than one, state the **main** buyer from the above options*

CROP STORAGE

Q.28. State the quantity of following crops stored at end of last season

Crop	Unit*	Quantity
Maize		
Rice		
Millet		
Sorghum		

*Indicate size of unit (where appropriate)

Q.29 What are the storage facilities available?

- | | <u>Yes</u> | <u>No</u> |
|---------------------------|------------|-----------|
| 1. Silos | 1 | 0 |
| 2. Granaries | 1 | 0 |
| 3. Pots for storage | 1 | 0 |
| 4. Cribs | 1 | 0 |
| 5. Room storage | 1 | 0 |
| 6. Others (Specify)..... | 1 | 0 |

*If more than one, state the **main** buyer from the above options*

FARM EQUIPMENT

Q.30. Indicate which of the following farm equipment are **owned by the holder**, whether on the holding or elsewhere

- | | <u>Yes</u> | <u>No</u> |
|--------------------------------|------------|-----------|
| 1. Tractor..... | 1 | 0 |
| 2. Draught..... | 1 | 0 |
| 3. Animal-drawn equipment..... | 1 | 0 |
| 4. Power tiller..... | 1 | 0 |
| 5. Irrigation equipment..... | 1 | 0 |
| 6. Threshing equipment..... | 1 | 0 |
| 7. Milling equipment..... | 1 | 0 |

8.	Combines.....	1	0
9.	Planting equip. (jab/rotary)	1	0
10.	Chemical sprayer.....	1	0

Q.31. Indicate which of the following farm equipment are **not owned by the holder**, but have been used or will be used on the holding this year

		<u>Yes</u>	<u>No</u>
1.	Tractor.....	1	0
2.	Draught animal.....	1	0
3.	Animal-drawn equipment.....	1	0
4.	Power tiller.....	1	0
5.	Irrigation equipment.....	1	0
6.	Threshing equipment.....	1	0
7.	Milling equipment.....	1	0
8.	Combines.....	1	0
9.	Planting equip. (jab/rotary)	1	0
10.	Chemical sprayer.....	1	0

FARM RECORD KEEPING

Q.32	Do you keep farm records?	<u>Yes</u>	<u>No</u>
		1	0

If No skip to Q39

Q.33 Why do you keep farm records? (*Circle as appropriate*)

		<u>Yes</u>	<u>No</u>
1.	To help keep track of expenditure,	1	0
2.	To help keep track of income.....	1	0
3.	To obtain information for managing farm.....	1	0
4.	For taxation purposes.....	1	0
5.	For seeking bank loan.....	1	0
6.	Others (<i>Specify</i>).....	1	0

Q.34 What methods do you use to keep records? (*Circle as appropriate*)

		<u>Yes</u>	<u>No</u>
1.	Standard book keeping.....	1	0

2. Recording figures on walls..... 1 0
3. Counting of pebbles..... 1 0
4. Others (*Specify*)..... 1 0

Q.35 What activities do you keep records on? (*Circle as appropriate*)

- | | <u>Yes</u> | <u>No</u> |
|-----------------------------------|------------|-----------|
| 1. Input purchase..... | 1 | 0 |
| 2. Production activities..... | 1 | 0 |
| 3. Marketing activities..... | 1 | 0 |
| 4. Trade transactions..... | 1 | 0 |
| 5. Others (<i>Specify</i>)..... | 1 | 0 |

Q.36 What types of records do you keep? (*Circle as appropriate*)

- | | <u>Yes</u> | <u>No</u> |
|---|------------|-----------|
| 1. Administrative records | 1 | 0 |
| i. (E.g. on personnel and personnel output etc.) | | |
| 2. Technical records | 1 | 0 |
| i. (E.g. Type of quantities of seed or breeds used, | | |
| ii. record of care provided, production rates, etc) | | |
| 3. Financial records | 1 | 0 |
| i. (E.g. Profit and loss accounting, cash-flow, | | |
| ii. financial statement, etc.) | | |
| 4. Others (<i>Specify</i>)..... | 1 | 0 |

Q37. Have you been using the records you keep? Yes No
1 0

Q38. If yes, what are some of the uses? (*Circle as appropriate*) Yes No

- | | | |
|---------------------------------|---|---|
| 1. For planning | 1 | 0 |
| 2. For tax reporting..... | 1 | 0 |
| 3. For bank loans..... | 1 | 0 |
| 4. Other(<i>Specify</i>)..... | 1 | 0 |

LIVESTOCK AND POULTRY

Q.39 Is this holding involved in livestock and/or poultry farming ? Yes No

1 0

(*If No stop interview*)

Q.40 If holding is involved in livestock farming, how many of the following livestock and poultry do you own?

LIVESTOCK	Number	
	Male	Female
Cattle - less than 1 year		
" - 1 year and above		

Code	POULTRY ≥ 10	
	Type	Number
61	Chicken	
62	Duck	

Sheep - less than 1 year		
" - 1 year and above		
Goat - less than 1 year		
" - 1 year and above		
Pigs - less than 1 year		
" - 1 year and above		
Other - specify		

63	Turkey	
64	Guinea fowl	
65	Others (<i>specify</i>)	

- Q.41 How do you keep livestock on this holding? Yes No
1. Free range 1 0
2. Semi-intensive 1 0
5. Intensive 1 0
- If more than one, state the **main** system from the above options.....*

- Q.42. How do you keep poultry on this holding? Yes No
1. Free range 1 0
2. Semi-intensive 1 0
6. Intensive 1 0
- If more than one, state the **main** system from the above options.....*

- Q.43 What livestock, livestock products and/ or by-products do you usually produce ? Yes No
8. Live animals and birds 1 0
9. Meat (slaughtered animals and birds)..... 1 0
10. Hides and skins..... 1 0
11. Milk..... 1 0
12. Eggs..... 1 0
13. Manure..... 1 0
14. Others (Specify)..... 1 0

ABBREVIATION FOR CROPS AND LIVESTOCK COMMODITIES

CROPS	ABBREVIATION	LIVESTOCK	ABBREVIATIONS
CASSAVA	CV	CATTLE	CT
COCOYAM	CY	SHEEP	SP
MAIZE	MZ	GOAT	GT
PLANTAIN	PL	PIGS	PG
RICE	RC	CHICKEN	CH
SORGHUM	SG	DUCK	DU
YAM	YM	TURKEY	TY
ONION	ON	GUINEA FOWL	GF
PEPPER	PP	GRASSCUTTER	GC
TOMATO	TM	RABBITS	RB
COCOA	CO		
COCONUTS	CN		
MANGO	MG		
OIL PALM	OP		
BANANA	BN		
COTTON	CT		
GROUNDNUTS	GN		
GARDEN EGGS	GE		
COW PEA	CP		
OKRO	OK		
ORANGES	OG		
PINEAPPLE	PN		
SUGAR CANE	SC		
GINGER	GG		
SOYA BEANS	SB		