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.:
Rural EA Category: Semi-Urban Urban	
Locality:District:	Region:
Enumerator's name:	Date Enumeration completed:
Supervisor's name:	Date Editing completed by Supervisor:
Signature of Supervisor:	

LISTING OF HOUSEHOLDS AND HOLDERS

		Characteristics of	f Head	of Ho	ousehold			Characteristics of all Holders in ea	ach H	H							M	ajor c	rops	and li	vestock	 [
l No.	Number							Name		Age	Sex					Cro			•				Li	ivestoc	ck	Holder's selection order (after listing Completion) (1-12)
House/Compound No.	Household Serial Number	Name of Head of Household	Age	M I	Name of occupation	Code	Household Size		Serial Number Holder.		M	F	Cassava	Cowpea	Groundnut	Pepper		Soya bean	Tomato	Yam	≥ 1 Cattle	≥ 10 Chicken	≥ 2 Goats	> 2 Pigs	≥ 2 Sheep	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)						(12)		ı		1	1	(13)		(14)
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*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

LISTING OF HOUSEHOLDS AND HOLDERS

		Characteristics of	f Head	l of I	lousehold				Characteristics of all Holders in	each H	Н								Major	crops	and li	ivestock					g
l No.	Number								Name		Age	Sex					(Crops						L	ivestoc	ek	Holder's selection order (after listing Completion) (1-12)
	Household Serial Number	Name of Head of Household	Age	М	Name	of ation	Code	Household Size	Name of Holder	Serial Number Holder.		M	F	Cassava	Citrus	Garden eggs	Maize	Onion/shallot Penner		Tomato	Water melon	≥ 1 Cattle	≥ 10 Chicken	≥ 2 Goats	> 2 Pigs	> 2 Sheep	
(1)	(2)	(3)	(4)	(5)	,	(6)	(7)	(8)	(9)	(10)	(11)			1			(12)				1		(13)		(14)
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l No.	Number							Name		Age	Sex					•	Crops	·	o p				L	ivestoo	ck	Holder's selection order (after listing Completion) (1-12)
House/Compound No.	Household Serial Number	Name of Head of Household	Age	М	Name of occupation	Code	Household Size	Name of Holder	Serial Number Holder.		М	F	Cassava	Citrus	Cocoyam	Maize	Oil palm Pepper		Tomato		≥ 1 Cattle	≥ 10 Chicken	≥ 2 Goats	> 2 Pigs	≥2 Sheep	
(1)	(2)	(3)	(4)	(5)		6)	(7)	(8)	(9)	(10)	(11)						(1	12)	1 1	•		_	ı	(13)	,	(14)
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Northern Savannah

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		Characteristics of	Head	of Ho	ousehold			Characteristics of all Holders in ea	ch Hl	H							Major	crops	and li	vestock	•				
1 No.	Number							Name		Age	Sex					Crops		<u></u>				Li	ivestoc	ek	Holder's selection order (after listing Completion) (1-12)
House/Compound No.	Household Serial Number	Name of Head of Household	Age	M]	Name of occupation	Code	Household Size		Serial Number Holder.		M	F	Cowpea	Maize	Millet	Pepper Rice		Soya bean	Tomato	≥ 1 Cattle	≥ 10 Chicken	≥ 2 Goats	≥ 2 Pigs	≥2 Sheep	
(1)	(2)	(3)	(4)		(6	o)	(7)	(8)	9)	(10)	(11)					(12)						(13)		(14)
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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.:
Rural EA Category: Semi-Urban Urban		
Locality:	District:	Region:
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:		<u> </u>

	Name of all Persons in Household			Mai Stat	us	Age	Se	ex	Оссі	ıpat	ion		Is person			Years of
No	beginning with the	Relation-	С		de *)				Primary	С	Secondary	С	an			Educa
	Head	Ship to	О						·· J	О		0	agricul	Literate		tion
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						_							Code**	Y	N	
				M	S		M	F							- '	
	(1)	(2)		(:	3)	(4)	(5	<u>(i)</u>	(6)		(7)		(8)	(9	9)	(10)
1		Head	1	1	2		1	2						1	0	
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										<u> </u>		<u> </u>	<u> </u>			
	*Relations	hip to HHH co	des:			*Coo	les f	or o	ccupation:		**Co	des	for agric	ultu	ral	
		= Head							armer		hol			arta		
	2=	= Spouse						2=I	Farm hand				n agricult	ural	holo	ler
		= Son						3= I	Fishing				er of this l			
	4=	= Daughter							Agro-processing				(This san			ler)
		= Grandson							Trader		2= Hc		er of a diff			
	6=	= Granddaught	er				(6= <i>A</i>	Artisan		ho	ldi	ng			
	7=	= Brother/Siste	r				,	7= (Civil/Public Serv	ant						
	8=	= Other						8= l	Jnskilled							
							9	9= (Other							
							10	0=S	tudent							
							1	1= N	Vone							
					L											

HOLDING STATUS (of the holder, NOT the household)

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

		Yes	No
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 oi	nly one ca	itegory)					
	1)	Individual person in the h	ousehol	d			. 1			
	2)	Joint household ownershi	p				2			
	3)	Two or more individuals	of differ	ent hh or	two or mor	e hh	3			
					LABOU	<u>R</u>				
Q.4		AID FAMILY WORKERS: ng last year? Casual (give number)	M		nolder, give	the numb	er of other	family meml	bers who wo	rked on this
	(Ente	Permanent (give number) r "0" in any cell where there	is no su	ch catego	ory of work	ers)				
Q.5	HIRI	ED LABOUR: Did you	ı use hir	ed labour	on this hol	ding last y	ear?	Yes 1	<u>No</u> 0	
	(if No	go to Q.7)						1	U	
Q.6	For su	ach hired labour , what was t	he daily	wage in	cedis paid f	or:				
Cu		n (Any Activity before Harve Harvest or Post Harvest Acti		Acti	vity	Hours V Per I		Wage in Cedis		
			L							
					CREDI	<u>T</u>				
Q.7		older use credit or not last ye	ar?	$\frac{\text{Yes}}{1}$	<u>No</u> 0					
		go to Q.13)								
Q.8	If yes	in Q.7, what was the source	of credit	t? <u>Forma</u> 1	<u>al</u>	Informal 2	Botl 3	<u>1</u>		
Q.9	Was t	the credit in cash or in kind or	r both?	<u>Cash</u> 1		<u>kind</u> <u>9</u> 2	Cash and in	<u>-kind</u>		
Q.10	If the	credit was taken for crops, for	or which	crops did	l you take t	he credit?	Cash Cro	p Foo	od Crop	
Q.11	If cree	dit in-kind, state value of in-k	aind crea	lit in cedi	s:		1		2	
Q.12	If cre	dit in cash, indicate the sourc	e(s)	State al	lso the prop	ortion of c	credit			
			Yes	<u>No</u>	Propo	rtion				
	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						
			ТОТ	`AL	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
			301	Citronella	1	601	Black pepper	1
101	Cassava	1	302	Cotton	1	602	Ginger	1
102	Cocoyam	1	303	Jute	1	603	Nutmeg	1
103	Maize	1	304	Kenaf	1	604	Onions	1
104	Millet	1	305	Rubber	1	605	Pepper (Hot)	1
105	Plantain	1	306	Sissal	1	606	Shallots	1
106	Rice	1	307	Sweet Berry	1			
107	Sorghum	1	308	Sugar Cane	1			
108	Sweet potato	1	309	Tobacco	1	PUL	SES/LEGUMES	
109	Taro	1	HOR	TICULTURE		701	Bambara beans	1
110	Yam	1	401	Flowers	1	702	Cow peas	1
TR	EE CROPS	Yes	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

	Complete the table below for EACH farm in the	HOIGH		E 2	E 2	E 4	E	E
0.15			Farm 1	Farm 2	Farm 3	Farm 4	Farm 5	Farm 6
Q.15	Pure crop or mixed crops on the farm							
0.16	(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
	<u> </u>		-	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	Y	1	1	1	1	1	1
	this year?	N	0	0	0	0	0	0
	If yes what type?	- 1	Ŭ	0	Ü	- C	Ŭ.	Ü
	(1) organic	Y	1	1	1	1	1	1
	(1) Organic		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	Y	1	1	1	1	1	1
	farm this year.	N	0	0	0	0	0	0
Q.20	Have you or will you use weedicides on this	Y	1	1	1	1	1	1
	farm this year?	N	0	0	0	0	0	0
Q.21	Have you or will you use any improved seeds	Y	1	1	1	1	1	1
Q.21	or planting material on this farm this year?	N	0	0	0	0	0	0
Q.22	Is this farm irrigated?	Y	1	1	1	1	1	1
Q.22	is this farm migaccu:	N	0	0	0	0	0	0
	If yes, name the main source of water?	11	Ü	0	0	U	U	0
	(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 t	here any sale of farm produce last agricultur	al seaso	n (if "No" g to Q.28)	<u>Yes</u>	<u>No</u>
					1	0
Q.25	If yes,	, where did you sell?	Vac	No		
	1	On the form	Yes	<u>No</u>		
	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 mor	e than one, state the main location of sale fro	m the a	bove options		
Q.26	If pro	duce was sold away from farm, what was the	form of	transportation		
			Yes	<u>No</u>		
	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 mor	re than one, state the main form of transporta	tion fro	m the above options		
Q.27	State 1	the buyers of your produce:				
		Yes Yes	<u>No</u>			
	1.	Factory, cannery, mill etc 1	0			
	2.	Poultry, livestock station 1	0			
	3.	Institutions(e.g. School)	0			
	4.	Wholesaler 1	0			
	5.	Retailers (at market)	0			
		re than one, state the main buyer from the abo		ons		
	ij mor	- want one, since the man onyet from the abl	s ve opin	U. 183	• • • • • • • •	

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? <u>Yes No</u>

1 0

		<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 (Specify)	1	0

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

		Yes	<u>No</u>
•	Simple book keeping1	0	
•	Recording figures on walls	1	0
•	Counting of pebbles	1	0
•	Other(Specify)	1	0

LIVESTOCK AND POULTRY

Q.35 Is this holding involved in livestock and/or poultry farming? $\underline{\text{Yes}}$ $\underline{\text{No}}$ 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 (specify)		

Q.37	How do you keep livestock on this holding?	Yes	<u>No</u>
1.	Free range	1	0
2.	Semi-intensive	1	0
3.	Intensive	1	0
Q.38	If more than one, state the main system from the about How do you keep poultry on this holding?	ve option <u>Yes</u>	ns <u>No</u>
1.	Free range	1	0
2.	Semi-intensive	1	0
4.	Intensive	1	0
	If more than one, state the main system from the abo	ve option	ns

Q.39	What li	vestock, livestock products and/or by-products do you usually produce ?	Yes	<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 Directorate of Statistics, Research and Information Accra, Ghana

Annual Crop and Livestock Survey FORM 3

FIELD AREA MEASUREMENTS

Name of Enumeration Area:	EA No.:
Rural EA Category: Semi-Urban Urban	
Locality:District:	Region:
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

Farm No.	Field No.	Sta	tion	Distance in Metres	Compass Bearing in Degrees	Remarks
		From	То		in Degrees	
		<u> </u>				
		<u> </u>				

FORM 3B: INVENTORY OF FARM AND CROPS GROWN

Farm No. ____ Location: (a) Near (b) Far

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

•

Farm No. ____ Location: (a) Near (b) Far

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

FORM 3C: SELECTION OF FIELDS AND PLOTS FOR CROP CUTTING EA No. District Region Holder farm field a b Α b Α b a b a b a b a b + +..... +..... + +..... +..... + 2 +.... +..... + +..... +..... + + 3 +..... + + +..... + +..... +..... 4 +.... +..... + +..... +..... + + 5 +.... +.... + +.... +..... + + 6 +..... + 7 +..... + + + 8 +..... +..... + +..... +..... + + + + 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	Number of		
Measured	Plots to Cut	Enumerator	date
< 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		

GHANA GOVERNMENT

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

Annual Crop and Livestock Survey

FORM 4

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

Name of Enumeration Area:	EA No.:
Rural EA Category: Semi-Urban Urban	
Locality:District:	Region:
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.									Distri	ct		Regio	n
Date of	plot es	stablishn	<u>ıent</u> :		//	onth		Study	y croj	p:			
1. Data for	appro	aching t	he Q po	oint:			1	.1 Appr	oach	point fro	om the ca	ılculator:	
							1	l.2 Bear	ing fı	om App	roach po	int to Q point:	degrees
							1	3 Dista	ance f	rom An	oroach no	oint to O point:	metres
2 Duna	h . h l .	J.4. 1	4:	1							oro ue n pe	omit to & points	meres
3. Cro	ps fou	ind on th	e plot o	n the	date	of plo	ot esta	ablishme		- C			
			Name	of C	rop			Stands	nber	oj Plants	Numb	per of all visible c	obs, ears or heads:
Stud		1											,
Other crop											Remar	ks:	
•		2											
		3											
		5											
		6											
4. Date of5. Crops for					of h		nonth		ning:	of	Matur	e cobs, ears o	r Dry Grain
			Name	of C	rop			Stands		Plants	heads No.	Weight in kg	Weight in kg
Stud		1											
Other crop											Remar	ks:	
· · · · · · · · · · · · · · · · · · ·		2											
		2											
		4											
		5											
		6									1		
Enumerato	or					Da	te			Superv	isor		Date

FORM 4B: YIELD QUESTIONNAIRE (COCOYAM & CASSAVA) (Plot size 4.5m x 4.5m)

EA No.										District:			Region:
<u>Date of</u>	plot e	<u>stabli:</u>	shmei	<u>nt</u> :	———Day	_/_ v mo	nth		Stud	y crop:			
1. Data for	appr	oachir	ng the	Q po	•			1	.1 App	roach point	from the	calculator:_	
								1	.2 Beari	ing from Ap	proach p	oint to Q po	oint:degree
								1	.3 Dista	nce from A	pproach p	point to Q po	oint: metres
2. Data on	the e	ntire f	ield:		2.1	Date	of pl	anting	g the stud	dy crop: we	ek	Month	Year
3. Crops fo	ound o	on the	plot	on the	e date	of pl	ot est	ablisł					
			N	lame	of C	ron			Nun Stands	iber of Plants	Rem	arks:	
Stuc croj	•	1	1	tarric_	01 C	Юр			, iditas	1 tuntis			
Other crop		2											
		3											
		4											
		5											
4. Probable	e date	harve	esting	hegir	18.								
5. Date of													
J. Date of	narve	sung t	ини м	reigni	ng.	D	ay m	onth					
6. Crops fo	ound o	on the	plot o	on the	date	of ha	irvest	ing ar	nd weigh	ing:			
			.	r	c c					ber of		NT1	Tubers
			N	lame	of C	rop		3	Stands	Plants		Number	Weight in kg
Stuc	•	1											
Other crop		2									Rem	arks:	
		2											
		4											
		5											
								1		1			
Enumerato	or						Dat	te		Super	visor		Date

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

EA No.											Di	istric				••••]	Regio	on:			
<u>Date of</u>	plot e.	stablis	shme1	<u>ıt</u> :	———Day	/_ / m	onth															
1. Data for	appro	oachir	g the	Q po	oint:				1.	1 A	ppro	oach p	oint fr	om	the calcul	lator	:					
									1	.2 B	earir	ng fro	m App	roa	ach point t	o Q	point	t:				_degrees
									1	.3 D	istar	nce fr	om Ap	pro	ach point	to Ç) poir	nt:				metres
2. How wi	ll the	farme	r harv	est tl	he Ya	ım oı	n this	s fie						_	ortions in		_					
2.1 Will							yes		n				•	•	ntinuously	· 			l at oi	nce		
3. Crops fo	ound o	n the	plot o	on the	date	of p	lot e	stab	lish													
			N	ame	of C	rop				<u>N</u> Iound		ber og P	f lants	_	Variety	v of	Yan	n:				
Stu	•	1		am		· I										<i>)</i>						
Other crop]	Remarks:							
•		3																				
		4																				
		5																				
4. Probabl	e date	harve	sting	begii	ns:																	
5. Date of							/. ay	mon	ıth													
6. Crops fo	ound o	n the	plot	on the	date	of h	arve	stin	g an				- C		N C							
			N	ame	of C	rop		-	M	lound		mber P	lants		No. of Tubers				Weig	ght ((kg)	
Stu cro		1	Yaı	n																		
Other crop		2	1 ai	.11													Rem	arks:				
		3																				
		4																				
		5																				
Enumerate	or						D	ate				- S	Superv	iso	or					— <u>-</u>	 Date	

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

EA No.							D	istrict:			Region:		
<u>Date of</u>	plot es	stablishment:	Day	/_ mor	nth								
1. Data for	appro	aching the Q poi	int:			1.1	l Appro	oach po	oint from th	ne calculator	:		_
						1.	2 Beari	ng fron	n Approacl	n point to Q	point:	de	grees
						1.	3 Dista	nce fro	m Approac	h point to Q	point:	m	etres
2. How will	I the fa	rmer harvest the	Plan	tain o	on thi	s field	1?						
3. Crops fo	ound o	n the plot on the	date	of plo	ot est	ablish							
		Name o	of Cr	on		S	Num tands	ber of	ants	flowerin	Number visi	bly Fruiting	
Stuc								1 00	erees .	110 W CITIL	Ь	Truiting	
crop	מ	1 Plantain (Ape	ntu)									
04		2 Plantain (Ape	m)					Da	emarks:			
Other crop	s:	3							Ke	marks:			
		4											
		5											
4. Probabl	e date	harvesting begin	ns:										
5. Date of	harve	sting and weighi	ng:		/_ ay n	nonth							
6. Crops fo	ound o	on the plot on the	data		•		nd weig	hina					
o. Crops in		in the plot on the	uate		ai ves		ber of	mng.		Numl	per visibly		
		Name of Cro	pp		Star	ıds	Pla	ints	Flov	vering	Fru	iting	Waight
													Weight (Kg)
									On 1 st visit	Develo	On 1 st visit	Devel-	
									VISIT	ped later	VISIt	oped later	
Stuc y	d	Plantain(Ape	ntu	,									
y croj		i iantam(ripe											
	2	Plantain (Ap	em)										
Other crops:		` •							Remarks:			1	ı
	3						1						
	3												
	4								-				
	3												
	4												
Enumerato	3 4 5					e		Sı	pervisor			— Date	

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FORM 5

COMMERCIAL AND INSTITUTIONAL HOLDING ENQUIRY

Locality	District	Region
Name of Holding		Holding No.
Address of Holding		
Date of Complet	ion:	Respondent:

NB: If holding is Institutional, skip Q1

Q1 H (holding is Institutiona DUSEHOLD COMPO	SITION: Plea	ase fil	l in ii	nform	ation	or a	ll th	e members of	the ho	older's house	hol				1
	Name of all Persons in Household			Stat	rital tus	Age	Se	x	Od	ccupa	tion		Is person			Years of
No	beginning with the Head	Relation- ship to	C o d e	(Co	de *)				Primary	C od e	Secondary	C o d e	_	Literate		forma Educ tion
		ННН		M	S		M	F					Code**	Y	N	
	(1)	(2)		(<u> </u>	(4)	(5		(6)		(7)		(8)	(9)	(10)
1		Head		1	2		1	2						1	0	
3				1 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	
<u>7</u> 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 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 19				1 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 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 30			-	1	2		1	2						1	0	
30			1	1			1	<i>L</i>		1		1		1	IU	
		ship to HHH co	odes:		[*Coo	les f	or o	ccupation:		**Co	des	for agric	ultu	ıral	
		= Head							Farmer		ho					
		= Spouse							Farm hand				n agricult			der
		= Son = Doughter							Fishing	. ~	1= He		er of this h			1 \
		= Daughter = Grandson							Agro-processin Frader	ıg	2_ 11.		(This samer of a diff			ier)
		= Grandson = Granddaugh	ter						Artisan			oldi oldi		ere	ΠŰ	
		= Brother/Siste							Civil/Public Se	rvant		ıul	ng			
	• • • • • • • • • • • • • • • • • • •	= Other							Jnskilled							
									Other							
									tudent							
							4 -	1 1	Vone		i					

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 ()		
Q.3	Who co	If more than one, state the main ntrols/owns the holding? Circle of			om the a	bove options	S	
	4)	Individual person in the household						
	5)	Joint household ownership				2		
	6)	Two or more individuals of diffe	erent hh or t	two or mo	re hh	3		
				LABOUL	<u>R</u>			
Q.4	A part f	rom the holder, did other family	members v	work (unp	aid) on th	is holding la	st year?	
		Casual (give number) Permanent (give number)	M F					
Q.5	-	use hired labour on this holding left to $Q.7$)	ast year?	Yes 1	<u>No</u> 0			
Q6.	For such	n hired labour, what was the dail	y wage in c	edis paid	for:			
			Acti	vity		Worked Day		ige in edis
Cult	tivation (Any Activity before Harvesting)						
	Any H	arvest or Post Harvest Activities						
				CREDIT	<u>[</u>	<u>'</u>		
Q.7	Did hole	der try to borrow or take materials	on credit t	o operate l	holding la	ast year?	Yes	<u>No</u>
	(if No g	o to Q.13)					1	0
Q.8	If yes in	Q. 7, was the effort successful?	Yes	No				
	(If "No"	go to Q.13)	1	U				
Q.9	Was the	credit in cash or in kind or both?	Cash_1	In-kind 2	Cash a	nd in-kind 3		
Q.10	For whi	ch crops did you take the credit?		Cash Cro	<u>op</u>	Food Crop 2		
Q.11	If credit	in-kind, state value of in-kind cre	edit in cedis	3:				
Q.12	If credit in cash, indicate the source(s) State also the proportion of credit in cedis:							
	1)	Formal financial system $\frac{\underline{Yes}}{1}$	<u>No</u> 0	Propo	ortion]		
	2)	Co-operative Society 1	0			1		
	3)	Relatives 1	0			_		
MRACI	LS-Form	5 Page 12		4000	.,			

100%

4)	Prefinance	1	0	
5)	Other Sources	1 Total	0	

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

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 I	How many farms are in this holding?	
Complete	the table below for EACH farm in the holding	

	lete the table below for E/10/11 faint 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)				1			<u> </u>
	Owned/owner like possession		1	1	1	1	1	1
	Rented/Share Croping		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	Y	1	1	1	1	1	1
	this year?	N	0	0	0	0	0	0
	If yes what type? Indicate major fertilizer used.	1						1
	(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	Y	1	1	1	1	1	1
	farm this year.	N	0	0	0	0	0	0
Q.20	Have you or will you use weedicides on this	Y	1	1	1	1	1	1
	farm this year?	N	0	0	0	0	0	0
Q.21	Have you or will you use any improved seeds	Y	1	1	1	1	1	1
	or planting material on this farm this year?	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)							

		D ' / ·	1.4		1	1.4	1 4	1
		River/stream	1 2		1	1 2	$\frac{1}{2}$	1 2
		Well/tube well	3		2	2	2	
		Dam/pond Other	4		3	3 4	3 4	3
Q.23	What i	proportion of production is used?	+		+	7		4
Q.20		percentage)						
		For home consumption						
		For sales						
Q.24.	Was t	SALE On there any sale of farm produce last agriculture.				Q.31)	Yes	<u>No</u>
							1	0
Q.25	If yes.	, where did you sell?						
			<u>Yes</u>	No				
	11.	On the farm.	1	0				
	10	T 1 11 1 11		0				
	12.	In holder's residence	1	0				
	12	Tuestan	1	0				
	13.	Tractor	1	0				
	14.	Push truck	1	0				
	17.	1 usii u uck	1	U				
Q.26		the than one, state the main location of sale from the duce was sold away from farm, what was the	form of	transj	_			
			<u>Yes</u>	<u>No</u>				
	3.	Headloading	1	0				
	4.	Bicycle/motorcycle	1	0				
	5.	Tractor	1	0				
	3.	Tractor	1	U				
	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				
	12.		1	Ü				
	If mor	re than one, state the main form of transporta	ition froi	m the	above or	tions		
	-jor	The state of the s						
Q.27	State	the buyers of your produce:						
			Yes	No				
			100	110				
	6.	Factory, cannery, mill etc	1	0				
	7.	Poultry, livestock station	1	0				
	8.	Institutions (E.g. Schools)	1	0				

	10.	Retailers (at market)		1	0
	11.	Consumers		1	0
	If more	than one, state the main buyer fr	om the a	above optic	ons
				CROP ST	
Q.28.		e quantity of following crops store	•		rason
	Mai	Crop Unit*	(Quantity	
	Rice				
	Mill				
		ghum ate size of unit (where appropriate	<i>3)</i>		
	maic	ate size of time (where appropriate	-)		
Q.29	What ar	re 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 fro	om the a	bove optio	ons
	v			•	
			FA	RM EQU	<u>JIPMENT</u>
Q.30.	Indicate	which of the following farm equi	ipment a	re owned	by the holder , whether on the holding or elsewhere
			Yes	<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	

0

9.

	8.	Combines		
	9.	Planting equip. (jab/rotary) 1 0		
	10.	Chemical sprayer 1 0		
Q.31.		e which of the following farm equipment are not own this year	ed by the	holder , but have been used or will be used on the
		<u>Yes</u> <u>No</u>		
	1.	Tractor 1 0		
	2.	Draught animal 1 0		
	3.	Animal-drawn equipment 1 0		
	4.	Power tiller		
	5.	Irrigation equipment 1 0		
	6.	Threshing equipment		
	7.	Milling equipment		
	8.	Combines		
	9.	Planting equip. (jab/rotary) 1 0		
	10.	Chemical sprayer 1 0		
		FARM RECOR) KEEPI	<u>NG</u>
Q.32	Do you	keep farm records? <u>Yes</u> <u>No</u>		
If No. sk	tip to Q39	1 0		
Q.33		you keep farm records? (Circle as appropriate)		
Q .55	vvily do	y you keep raini records. (Circle as appropriate)	Yes	<u>No</u>
	1.	To help keep track of expenditure,	1	0
	2.	To help keep track of income		0
	3.	To obtain information for managing farm		0
	4.	For taxation purposes	1	0
	5.	For seeking bank loan	1	0
	6.	Others (Specify)	1	0
Q.34	What m	nethods do you use to keep records? (Circle as approp	oriate)	
			<u>Yes</u>	No
	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 ac	ctivities do you keep records on? (Circle as appropriat			
	1.	Input purchase	<u>Yes</u> 1	<u>No</u> 0	
	2.	Production activities	1	0	
	3.	Marketing activities	1	0	
	4.	Trade transactions.	1	0	
	5.	Others (Specify).	1	0	
Q.36	What ty	pes 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 us	ed,		
		ii. record of care provided, production rates, etc	c)		
	3.	Financial records	1	0	
		i. (E.g. Profit and loss accounting, cash-flow,			
		ii. financial statement, etc.)			
	4.	Others (Specify)	1	0	
Q37.		Have you been using the records you keep?	Yes	<u>No</u>	
			1	0	
Q38.		If yes, what are some of the uses? (Circle as appropriate of the uses?)	riate)	Yes	<u>No</u>
	1.	For planning		1	0
	2.	For tax reporting.		1	0
	3.	For bank loans		1	0
	4.	Other(Specify)		1	0
		LIVESTOCK AND	POULT	<u>rry</u>	
Q.39	Is this h	olding involved in livestock and/or poultry farming?	Yes	<u>No</u>	

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(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	$POULTRY \ge 10$			
	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 (specify)	

Q.41	How do you keep livestock on this holding?		Yes	<u>No</u>			
1.	Free range		1	0			
2.	Semi-intensive		1	0			
5.	Intensive If more than one, state the main system from the above			0 1s			
Q42.	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 N					<u>No</u>	
	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					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	СН
		DUCK	
SORGHUM	SG		DU
YAM	YM	TURKEY	TY
ONION	ON	GUINEA FOWL	GF
PEPPER	PP	GRASSCUTTER	GC
TOMATO	TM	RABBITS	RB
COCOA	СО		
COCONUTS	CN		
MANGO	MG		
OIL PALM	OP		
BANANA	BN		
COTTON	СТ		
GROUNDNUTS	GN		
GARDEN EGGS	GE		
COW PEA	СР		
OKRO	OK		
ORANGES	OG		
PINEAPPLE	PN		
SUGAR CANE	SC		
GINGER	GG		
SOYA BEANS	SB		