

GHANA GOVERNMENT

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

Ghana Agriculture Production Survey

Household and Holding Enquiry - Pre-Harvest - Minor Season

Form 2a - General characteristics of the household and holdings

REGION	CODE	DISTRICT	CODE	EA	CODE	HOUSEHOLD NO.
				EA TYPE		<div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> RURAL 1 </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;"> URBAN / SEMI-URBAN 2 </div>
DASA		CODE		<div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;">LOCALITY NAME</div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;">SIGNATURE</div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;">SIGNATURE</div>		
DASO		CODE				
				ENUMERATION COMPLETED ON		<div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;">DD</div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;">MM</div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;">YY</div>
				DATA ENTERED ON		<div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;">DD</div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;">MM</div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 2px;">YY</div>
NAME OF HOUSEHOLD HEAD		HOUSEHOLD SIZE		SERIAL NO. OF HOLDER 1		NAME OF HOLDER 1
SERIAL NO. OF HOLDER 2		NAME OF HOLDER 2		SERIAL NO. OF HOLDER 2		NAME OF HOLDER 2

Form 2a

Minor Season

Pre-harvest

Household members

ID CODE	(1) LIST ALL HOUSEHOLD MEMBERS DASA: -REMEMBER TO FILL IN INFORMATION FOR ANY NEW HOUSEHOLD MEMBERS -REMEMBER TO INCLUDE HOUSEHOLD MEMBERS THAT ARE/HAVE BEEN ABSENT FOR LESS THAN THE LAST 6 MONTHS NAME	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
		RELATIONSHIP TO HEAD	GENDER	AGE	MARITAL STATUS	OCCUPATION	Is this person literate? (any language)	ENGLISH PROFICIENCY	HIGHEST LEVEL OF FORMAL EDUCATION COMPLETED	YEARS OF FORMAL EDUCATION COMPLETED
		Head 1				Farmer 1			None 1	
		Spouse 2				Farm hand 2			Kindergarten 2	
		Son/ 3				Fishing 3			Primary 3	
		Daughter 4				Agro-processing 4			Middle/ 4	
		Grandchild 4			Married 1	Trader 5		None 0	Junior High 4	
		Brother/ 5			Single 2	Artisan 6		Speak 1	Secondary 5	
		Sister 5	Male 1		Divorced 3	Civil/Public servant 7		Read 2	Beyond 6	
		Other 6	Female 2	YEARS	Widowed 4	Unskilled 8	Yes 1	Write 3	secondary	DO NOT COUNT KINDERGARTEN YEARS
						Primary Secondary	No 2			

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14										
15										

Form 2a

Minor Season

Pre-harvest

Household composition changes

ID CODE	(11) Is this the head of the household?	(12) Is this the selected holder?	(13) Is this person currently living in this household? DASA: IF PERSON IS NEW TO THE HOUSEHOLD WRITE '3'	(14) Why did this person join/leave this household?	(15) When did this person migrate or move in/out of the household?	(16) Where did this person migrate/move to or move from?	(17) Why did this person migrate or move in/out of the household?	(18) If person migrated out: When is this person supposed to be back? DASA: IF UNKNOWN OR MOVED OUT PERMANENTLY, WRITE 99, 99
	Yes 1	Yes 1	Yes 1	Migration 1	DASA: IF UNKNOWN, WRITE 99, 99	Same community/town 1	Work in agriculture 1 Work not in agriculture 2 Study 3 Family reasons 4 Other 5	DD MM
	No 2	No 2	Moved out 2	Moved in 3		Other community/town, same district 2		
			Birth 4	Death 5		Other city 6		
		New 3	4 - 6 (19)	DD MM		Other reason (specify)	DD MM	

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Form 2a

Minor Season

Pre-harvest

Livestock / poultry / other animals

REFERENCE PERIOD IS PAST 12 MONTHS

Holding Number	(19) Do you own livestock/ poultry/ other animals in this holding?	(20) Which livestock/ poultry/ other animals do you own now?	(21) How many heads do you own now? (NUMBERS)						(22) How many animals were born alive or did you receive as gifts or buy in the past 12 months? (NUMBERS)				(23) How many animals did you use for household consumption, lose or get stolen, give in a dowry, give away as gifts or in inheritance, used in a ritual, sell, or died in the past 12 months? (NUMBERS)								
	YES	1	If none, write 0.						If none, write 0.				If none, write 0.								
	NO	2	MALE			FEMALE			Born alive	Received as gift (Quantity)	Bought		Household consumption	Lost / Stolen	Dowry	Other Gifts / Inheritance	Ritual	Sold		Died	
	▶ (42)	ANIMAL CODE	TOTAL	LESS THAN 1 YEAR	1 OR 2 YEARS OLD	3 YEARS AND MORE	LESS THAN 1 YEAR	1 OR 2 YEARS OLD			3 YEARS AND MORE	Quantity						Total cost GH¢	Quantity	Total revenue GH¢	Quantity

1	<div></div>																				

2	<div></div>																				

[illegible]

6

Form 2a

Minor Season

Pre-harvest

Livestock / poultry / other animals - Inputs and Outputs

REFERENCE PERIOD IS PAST
12 MONTHS

Holding Number	(35) Did you produce any of these feeds during the past 12 months?	(36) Did you buy any of these feeds during the past 12 months?			(37) Did any of your household members attend to your animals in the past 12 months?	(38) Which household members attended to your animals during the past 12 months?	(39) Apart from the household members, how many workers did you hire to attend to your animals during the past 12 months, and how much did you pay them?	(40) During the past 12 months...?	(41) During the past 12 months...?
		DASA: WRITE THE NAME OF THE UNIT USED TO REPORT QUANTITIES FOR THIS KIND OF FEED (e.g. basket, bucket, bunch, etc.)							
	Yes 1 No 2	Yes 1 No 2		UNIT COST GH¢	QUANTITY UNITS PER MONTH	Yes 1 No 2			
		UNIT NAME					IF NONE OR NOTHING, WRITE '0'	MILK	EGGS

1	Grass					ID CODES	No. OF WORKERS	...did your animals produce milk?	...did your animals lay eggs?
	Grain							YES 1	YES 1
	Pellets							NO 2	NO 2
	Vine							► (41) ► (42)	
	Shrub							How many liters of milk did you ...?	How many crates of eggs did you ...?
	Silage							Produce	Produce
	Compound feed							Consume	Consume
	Browse (leaves)							Sell	Sell
	Crop residue (fresh)							Price: GH¢ / liter	Price: GH¢ / crate
	Crop residue (dried)							Total paid to labor (in cash or kind) GH¢	Where did you sell?
	Household leftovers							Farm	Farm
	Other							Market	Market
								Who did you sell to?	Who did you sell to?
								Intermediary	Intermediary
					Consumer	Consumer			

2	Grass					ID CODES	No. OF WORKERS	...did your animals produce milk?	...did your animals lay eggs?
	Grain							YES 1	YES 1
	Pellets							NO 2	NO 2
	Vine							► (41) ► (42)	
	Shrub							How many liters of milk did you ...?	How many crates of eggs did you ...?
	Silage							Produce	Produce
	Compound feed							Consume	Consume
	Browse (leaves)							Sell	Sell
	Crop residue (dried)							Price: GH¢ / liter	Price: GH¢ / crate
	Crop residue (silod)							Total paid to labor (in cash or kind) GH¢	Where did you sell?
	Household leftovers							Farm	Farm
	Other							Market	Market
								Who did you sell to?	Who did you sell to?
								Intermediary	Intermediary
					Consumer	Consumer			

REFERENCE PERIOD IS PAST 12 MONTHS

Holding Number	(42)	(43)		(44)						(45)	(46)	(47)	(48)				(49)	(50)	(51)	(52)	(53)	(54)		
	Do you have perennial trees in this holding?	Which perennial trees do you have now?		How many trees do you have now?						How are these trees planted?	How many diseased trees do you have right now?	How many trees died, were lost or cut down in the last 12 months?	Why did they die, were lost or cut down?				Have you planted new trees in the last 12 months?	How many new trees did you plant in the last 12 months?	What was the main reason for planting new trees?	How far from each other (in meters) are most of these trees planted?	Approximately, how many shade trees and/or shade crops are there among these trees?	Have you planted any non-crop trees in this holding and why?		
	YES 1 NO 2 ▶ (54)			Total	Less than 3 years	3-5 years	6-10 years	11-20 years	More than 20 years	In rows 1 Other 2	If unknown, write 9999	TOTAL	TOTAL	TICK ALL THAT APPLY				Yes 1 No 2 ▶ (52)	TOTAL	Replace dead/ sick trees 1 Replace old/ unproductive trees 2		Less than 1.5 m 1 1.6 to 3 m 2 More than 3 m 3	(Number per acre)	
		TREE NAME	TREE CODE											Disease	Nat. disaster	Unproductive	Other		Expand crop area 3 Other 4					

[illegible][illegible]

Aquaculture - Inputs and Practices

[illegible]

Form 2a

Minor Season

Pre-harvest

Aquaculture - Outputs and Assets

REFERENCE PERIOD IS PAST
12 MONTHS

IF NONE OR NOTHING WRITE '0'

Holding Number	Aquaculture Holding Number	(67) How much did you feed the fish in this facility during a production cycle?				(68) Which household members were engaged in aquaculture activities in the past 12 months? (Include holder)	(69) HIRED AND SHARED LABOR / LABOR EXCHANGE IN AQUACULTURE IN PAST 12 MONTHS (Include holder)
		DASA: WRITE THE NAME OF THE UNIT USED TO REPORT QUANTITIES		OWN PRODUCTION	PURCHASED		
		(e.g. bag, basket, bucket, etc)		QUANTITY (units per cycle)	QUANTITY (units per cycle)		
		UNIT NAME	UNIT COST GH¢				

AQUACULTURE CODE	(70) Where do you get your fingerlings from? Use one row per species.	(71) Have you harvested this species at least once in the last 12 months?	(72) Have you consumed or sold any of your aquatic species in the last 12 months?	(73) If you sold, where and who did you sell to? TICK ALL THAT APPLY				
				SELL		Farm	Market	
				CONSUMED (kilos)	QUANTITY (kilos)	UNIT PRICE GH¢ / kilo	Intermediary Consumer	Intermediary Consumer
				YES	NO	1	2	

(74) How many functioning ____s, exclusively dedicated to aquaculture activities, do you have in this holding?
(NUMBER)

1	1					ID CODES	How many workers did you hire? No. OF WORKERS []
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						

			FRESH						
			Processed						
			FRESH						
			Processed						
			FRESH						
			Processed						
			FRESH						
			Processed						
			FRESH						
			Processed						
			FRESH						
			Processed						
			FRESH						
			Processed						

Harvesting nets	
Scoop net	
Cast net	
Bowls and harvesting container	
Weighing Scale	
Aerator	
Water pump	
Freezer	
Transport tanks	
Wheel burrows	
Hook and line	
Spear	
Row / sail boat	
Motorized boat	
Canoe	
Water test kit	

2	1					ID CODES	How many workers did you hire? No. OF WORKERS []
	2						
	3						
	4						
	5						
	6						
	7						
	8						
	9						
	10						
	11						
	12						
	13						
	14						
	15						
	16						
	17						
	18						

			FRESH						
			Processed						
			FRESH						
			Processed						
			FRESH						
			Processed						
			FRESH						
			Processed						
			FRESH						
			Processed						
			FRESH						
			Processed						
			FRESH						
			Processed						

Harvesting nets	
Scoop net	
Cast net	
Bowls and harvesting container	
Weighing Scale	
Aerator	
Water pump	
Freezer	
Transport tanks	
Wheel burrows	
Hook and line	
Spear	
Row / sail boat	
Motorized boat	
Canoe	
Water test kit	

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Ghana Agriculture Production Survey

Household and Holding Enquiry - Pre-Harvest - Minor Season

Form 3 - Field Measures

REGION	CODE	DISTRICT	CODE	EA	CODE	HOUSEHOLD NO.
				EA TYPE		RURAL 1
						URBAN / SEMI-URBAN 2
DASA		CODE		LOCALITY NAME _____		
DASO		CODE		SIGNATURE _____		
NAME OF HOUSEHOLD HEAD		HOUSEHOLD SIZE		SIGNATURE _____		ENUMERATION COMPLETED ON
						DD MM YY
						DATA ENTERED ON
						DD MM YY
SERIAL NO. OF HOLDER 1		NAME OF HOLDER 1		SERIAL NO. OF HOLDER 2		NAME OF HOLDER 2

Form 3 Minor Season Pre-harvest

Fields

ADD ONLY NEW FIELDS THAT APPEARED AFTER THE MAJOR SEASON

Holding Number	Farm Number	Field Number	DASA OBSERVATIONS				(4) What year did you start cultivation of this land? YEAR	(5) PART OF THE FIELD UNDER PERENNIAL VEGETATION When cultivation startedNow				(6) What sources of water for irrigation are <u>available</u> in this field?								(7) Which crops have you planted or do you intend to plant in this field during this season? IF LAND IN FALLOW, CODE "FA" IF VIRGIN LAND, CODE "VL" CROP CODES		
			(1) MAIN COLOR OF THE SOIL	(2) MAIN SOIL TYPE	(3) MAIN WEED TYPE																	
			Red	RE	Sand	SA		Sensitive	1	None	0	None	0	TICK ALL THAT APPLY								
			Black	BL	Loam	LO		Centroce	3	Less than 1/2	1	Less than 1/2	1	River/ Stream	Well/ Tube well	Dam/ Pond	Temp- orarily shallow well	Cust- omarily flooded area	Urban wastew ater		Other	None
			Grey	GR	Light Clay	LC		Nut grass	4	About 1/2	2	About 1/2	2									
			Yellow	YE	Heavy Clay	HC		Striga weed	5	More than 1/2	3	More than 1/2	3									
			Brown	BR	Gravel	GR		Other	6													
			White	WH	Mixed	MI		None	7	All	4	All	4									

1																		

2																		

Form 3 **Minor Season** **Pre-harvest** **Fields - GPS measures**

ADD ONLY NEW FIELDS THAT APPEARED AFTER THE
MAJOR SEASON

Holding Number	Farm Number	Field Number	(8)	(9)	(10)	(11)							
			PERIMETER	AREA	ALTITUDE	COORDINATES OF THE START / END POINT							
						LATITUDE				LONGITUDE			
			METRES	SQUARE METRES	METRES	N	O	I	II	E / W	O	I	II
1			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
2			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
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			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							
			m	m ²	m	N							

GHANA GOVERNMENT

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

Ghana Agriculture Production Survey

Household and Holding Enquiry - Post-Harvest - Minor Season

Form 2b - Practices, Inputs and Outputs

REGION	CODE	DISTRICT	CODE	EA	CODE	HOUSEHOLD NO.
				EA TYPE		RURAL 1
						URBAN / SEMI-URBAN 2
DASA		CODE		LOCALITY NAME _____		
DASO		CODE		SIGNATURE _____		
NAME OF HOUSEHOLD HEAD		HOUSEHOLD SIZE		SIGNATURE _____		ENUMERATION COMPLETED ON
						DD MM YY
						DATA ENTERED ON
						DD MM YY
SERIAL NO. OF HOLDER 1		NAME OF HOLDER 1		SERIAL NO. OF HOLDER 2		NAME OF HOLDER 2

Form 2b

Minor Season

Post-harvest

Fields - Practices, inputs and expenses

ASK ABOUT THE MINOR SEASON
INCLUDE IN CASH AND IN-KIND PAYMENTS
IF NOTHING OR NONE, WRITE 0

Holding Number	Farm Number	Field Number	(1) Which crops were grown in this field during the minor season? IF LAND IN FALLOW, CODE "FA" IF VIRGIN LAND, CODE "VL" CROP CODES	(2) LAND CLEARING How many times did you clear the land?						(3) PLOUGHING / TILLING How many times did you ... ?										
				Slashing	Stumping	Hoeing	Burning	Non-selective weeding	Tree felling	How much did you pay for...?										
										Non-selective weedicide GH¢	Equipment rental GH¢	Labor (in cash or in-kind) GH¢								
1																				
2																				

Form 2b

Minor Season

Post-harvest

Fields - Practices, inputs and expenses

ASK ABOUT THE MINOR SEASON
INCLUDE IN CASH AND IN-KIND PAYMENTS
IF NOTHING OR NONE, WRITE 0

Holding Number	Farm Number	Field Number	(4) SOWING / PLANTING How many times did you use / do?							(5) FERTILIZING How many times did you use fertilizer?												
			Certified seeds	Improved planting material	Seed dibbing	Broad-casting	Row planting	Trans-planting	Sow at stake	Certified seeds GH¢	Other seeds GH¢	Planting material GH¢	Equipment rental GH¢	Labor (in cash or in-kind) GH¢	Manure	Other organic	Inorganic	Manure GH¢	Other organic fertilizer GH¢	Inorganic fertilizer GH¢	Equipment rental GH¢	Labor (in cash or in kind) GH¢

[illegible][illegible]

Form 2b **Minor Season** **Post-harvest** **Fields - Practices, inputs and expenses**

ASK ABOUT THE MINOR SEASON
INCLUDE IN CASH AND IN-KIND PAYMENTS
IF NOTHING OR NONE, WRITE 0

Holding Number	Farm Number	Field Number	(6) PEST CONTROL How many times did you apply pesticide?				(7) WEED CONTROL How many times did you use / do...?				(8) OTHER ACTIVITIES How much did you pay for...?						
			Holder's initiative	Govt campaign	How much did you pay for		Labor (in cash or in kind) GH¢	Selective herbicide GH¢	Hand weeding	How much did you pay for		Labor (in cash or in kind) GH¢	Labor for tending the field (scaring birds, etc.) GH¢	Labor for harvesting GH¢	Equipment rental for harvesting GH¢	Labor for post-harvesting / processing GH¢	Equipment rental for post-harvesting / processing GH¢
					Pesticide GH¢	Equipment rental GH¢				Equipment rental GH¢	Labor GH¢						
1																	
2																	

Form 2b **Minor Season** **Post-harvest**

Fields - Practices, inputs and expenses

ASK ABOUT THE MINOR SEASON
INCLUDE IN CASH AND IN-KIND PAYMENTS
IF NOTHING OR NONE, WRITE 0

Holding Number	Farm Number	Field Number	(9) Which household members worked in this field during the minor season? IF THE HOLDER WORKED, INCLUDE HIM / HER										(10) How much shared labor/ labor exchange did you use in your fields?		(11) What sources of water for irrigation were <u>used</u> in this field?								(12) What water-lifting technologies were used on this field for irrigation?				
			ID CODES										PERSON-DAYS		TICK ALL THAT APPLY								TICK ALL THAT APPLY				
			PERMANENT					CASUAL					MALE	FEMALE	River/ Stream	Well/ Tube well	Dam/ Pond	Temp- orally shallow well	Cust- omarily flooded area	Urban waste- water	Other	None	Gourd/ bucket and rope	Manual pump	Treadle/ bicycle pump	Small motorized pump	None
1																											
2																											

District: [][][][] EA: [][][][][] HH: [][][]

ASK ABOUT THE MAJOR SEASON
INCLUDE IN CASH AND IN-KIND PAYMENTS
IF NOTHING OR NONE, WRITE 0

Form 2b

Minor Season

Post-harvest

Crops - Remaining Major Season Production and marketing

Holding Number	(13) DASA: Write <u>major</u> season crops indicated on printout.	(14) Was the harvest green, ripe, or dry?	(15) When did you harvest?				(16) When did you sell?				(17) DASA: WRITE THE NAME OF THE UNIT USED TO REPORT QUANTITIES FOR THIS CROP (e.g. bag, basket, bucket, bunch, etc)	(18) In total, how many UNITS of each crop did you produce during the <i>major</i> season ?	(19) How many UNITS did you keep for home consumption?	(20) How many UNITS did you use to pay for labor in kind?	(21) How many UNITS did you sell?	(22) DASA: WHAT IS THE WEIGHT OF EACH UNIT? SHOW PICTURES	(23) What was the value of each unit at the time you sold this crop?	(24) What was your revenue for sales of these <i>major</i> season crops?
	CROP CODE	Green 1	APPROXIMATE DATES				APPROXIMATE DATES				UNIT NAME	Quantity	Quantity	Quantity	Quantity	KILOS / UNIT	GH¢ / UNIT	GH¢
		Ripe 2	FROM		TO		FROM		TO									
		Dry 3	DD	MM	DD	MM	DD	MM	DD	MM								

1																		

2																		

Form 2b **Minor Season** **Post-harvest**

Crops - Production and marketing

ASK ABOUT THE MINOR SEASON
INCLUDE IN CASH AND IN-KIND PAYMENTS
IF NOTHING OR NONE, WRITE 0

Holding Number	(25) Which crops did you grow during the <u>minor</u> season?	(26) HARVEST CONDITION	(27) Was the harvest green, ripe, or dry?	(28) When did you harvest?	(29) When did you sell?	(30) Was sale based on a pre-harvest contract?	(31) Who did you sign the contract with?	(32) What were the agreed upon inputs?	(33) Which part of the harvest was covered by the contract?	(34) Was the price settled before or after the harvest?
		Not harvested yet 1 ► (48)		IF NOT FINISHED, WRITE 99 99	IF NOT STARTED, WRITE 99 99 IF NOT FINISHED, WRITE 99 99		Wholesaler 1 Industry 2		None 0 Less than 1/2 1	
		Partially harvested 2			► (35)		Market 3		About 1/2 2	
		Completely harvested 3	Green 1	APPROXIMATE DATES	APPROXIMATE DATES	Yes 1	queen 4	TICK ALL THAT APPLY	More than 1/2 3	Before 1
	CROP CODE	Sold standing 4 ► (42)	Ripe 2 Dry 3	FROM TO DD MM DD MM	FROM TO DD MM DD MM	No 2 ► (35)	Other 4	Money Ferti- Seeds Other lizer	All 4	After 2

1																			

2																			

Form 2b **Minor Season** **Post-harvest** **Crops - Production and marketing**

ASK ABOUT THE MINOR SEASON
INCLUDE IN CASH AND IN-KIND PAYMENTS
IF NOTHING OR NONE, WRITE 0

Holding Number	DASA	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)
	Transcribe crop codes from (25)	DASA: WRITE THE NAME OF THE UNIT USED TO REPORT QUANTITIES FOR THIS CROP (e.g. bag, basket, bucket, bunch, etc)	How many UNITS of each crop did you produce during the minor season?	How many UNITS did you keep for home consumption?	How many UNITS did you use to pay for labor in kind?	How many UNITS did you sell?	DASA: WHAT IS THE WEIGHT OF EACH UNIT?	What was the value of each unit at the time you sold this crop?	What was your revenue for sales of these minor season crops?
	CROP CODE	UNIT NAME	Quantity	Quantity	Quantity	Quantity	SHOW PICTURES KILOS / UNIT	GH¢ / UNIT	GH¢
1									
2									

Crops - Production and marketing

ASK ABOUT THE MINOR SEASON
INCLUDE IN CASH AND IN-KIND PAYMENTS
IF NOTHING OR NONE, WRITE 0

[illegible][illegible][illegible]

Form 2b

Minor Season

Post-harvest

Holding

ASK ABOUT THE MINOR SEASON
INCLUDE IN CASH AND IN-KIND PAYMENTS
IF NOTHING OR NONE, WRITE 0

Holding Number	(47) IF PRODUCE WAS SOLD AWAY FROM FARM What form of transportation to the market did you use during the minor season?	How much did you pay for transportation?	(48) Did you try to access credit from any of these sources during the minor season? For which kind of crop?	(49) Did you succeed?	(50) How much credit did you access? (in cash or in-kind)	(51) Why were you not able to access credit?
			Yes 1 No 2 ► (52)	Yes 1 No 2 ► (51)	► (52) IN CASH OR KIND GH¢	TICK ALL THAT APPLY
			Food crop Cash crop			High interest rates
						Delay in procedures
						Lender too distant
						No collateral
						Other

(52) Did you buy any ... during the minor season?	(53) What was the market price of this item during the minor season?	(54) What quantity of this item did you buy?
Yes 1 No 2 ► (55)	GH¢ /	

1	TICK ALL THAT APPLY ▼	GH¢	FORMAL FINANCIAL SYSTEM										
	HEADLOADING		CO-OPERATIVE SOCIETY										
	BICYCLE / MOTORCYCLE		RELATIVES										
	TRACTOR		PRE-FINANCE										
	PUSH TRUCK		MONEYLENDER										
	MOTOR CAR / TRUCKS		SUSU CLUBS										
	BOAT / RIVER TRANSPORTATION		ROTATING SAVING										
	ANIMAL DRAWN CART		WOMEN-TARGETED SCHEME										
	POWER TILLER		OTHER										
	RAIL		TOTAL										
	OTHER FORMS												
	TOTAL												

NPK		/ 50 kg	kg
Sulp of Amo		/ 50 kg	kg
Urea		/ 50 kg	kg
Actelic		/ 1 lt	lt
Karate		/ 1 lt	lt
Roundup		/ 1 lt	lt
Dusban		/ 1 lt	lt
Atrazine		/ 1 lt	lt
Champion		/ 1 lt	lt
Gramazone		/ 1 lt	lt
Pawa		/ 1 lt	lt
Other		/ 50 kg	kg
Other		/ 1 lt	kg
Tractor rent		/ 1 day	days
Labor (male)		/ 1 day	
Labor (female)		/ 1 day	

2	TICK ALL THAT APPLY ▼	GH¢	FORMAL FINANCIAL SYSTEM										
	HEADLOADING		CO-OPERATIVE SOCIETY										
	BICYCLE / MOTORCYCLE		RELATIVES										
	TRACTOR		PRE-FINANCE										
	PUSH TRUCK		MONEYLENDER										
	MOTOR CAR / TRUCKS		SUSU CLUBS										
	BOAT / RIVER TRANSPORTATION		ROTATING SAVING										
	ANIMAL DRAWN CART		WOMEN-TARGETED SCHEME										
	POWER TILLER		OTHER										
	RAIL		TOTAL										
	OTHER FORMS												
	TOTAL												

NPK		/ 50 kg	kg
Sulp of Amo		/ 50 kg	kg
Urea		/ 50 kg	kg
Actelic		/ 1 lt	lt
Karate		/ 1 lt	lt
Roundup		/ 1 lt	lt
Dusban		/ 1 lt	lt
Atrazine		/ 1 lt	lt
Champion		/ 1 lt	lt
Gramazone		/ 1 lt	lt
Pawa		/ 1 lt	lt
Other		/ 50 kg	kg
Other		/ 1 lt	kg
Tractor rent		/ 1 day	days
Labor (male)		/ 1 day	
Labor (female)		/ 1 day	

ASK ABOUT THE PAST 12 MONTHS

[illegible]

Form 2b Minor Season Post-harvest

Other income-generating activities - PROCESSING

ASK ABOUT THE MINOR SEASON
IF NOTHING OR NONE, WRITE 0
INCLUDE IN CASH AND IN-KIND PAYMENTS

Holding Number	(61) In the past 12 months, did you process or had someone else process for you part or all of your agricultural production into:	YES 1 NO 2 ▶ (68)	(62) How much of that crop/livestock was from your holding(s) and how much did you buy from others? DASA: Write the name of the unit used to report quantities for this crop (if animals write number of animals) (e.g. bag, basket, bucket, bunch, heads etc) INPUT UNIT	OWN PRODUCT	BOUGHT		IN CASH OR IN-KIND				(63) How much did you spend on inputs other than raw materials in the last 12 months?	(64) Did you mostly process it...? By hand 1 Using machinery 2
				Quantity (INPUT)	Quantity (INPUT)	UNIT PRICE PAID GH¢	Labor GH¢	Machinery rental GH¢	Fuel GH¢	Other GH¢		

1	Gari										
	Oil (palm, groundnut, coconut, soybean)										
	Shea butter										
	Milled rice (parboiled, other)										
	Alcohol (pito, palm wine, akpeteshie)										
	Animal products (sausage, smkd meat, hides)										
	Dairy products (cheese, yogourt)										
	Malt										
	Other (specify)										
	Other (specify)										
	Other (specify)										

2	Gari										
	Oil (palm, groundnut, coconut, soybean)										
	Shea butter										
	Milled rice (parboiled, other)										
	Alcohol (pito, palm wine, akpeteshie)										
	Animal products (sausage, smkd meat, hides)										
	Dairy products (cheese, yogourt)										
	Malt										
	Other (specify)										
	Other (specify)										
	Other (specify)										

Form 2b

Minor Season

Post-harvest

Other income-generating activities - PROCESSING

ASK ABOUT THE MINOR SEASON
IF NOTHING OR NONE, WRITE 0
INCLUDE IN CASH AND IN-KIND PAYMENTS

Holding Number	PROCESSED GOODS	(65) How many units of this processed good did you produce...? DASA: WRITE THE NAME OF THE UNIT <u>USED</u> TO REPORT QUANTITIES FOR THIS BY- <u>PRODUCT</u> (e.g. bag, basket, bucket, bunch, heads etc) OUTPUT UNIT	(66) How many units of this product did you consume, store or sell? (Use the UNIT reported in Q65)?					(67) If you sold this kind of product, where and who did you sell to?								
			CONSUMED		STORED	SOLD		TICK ALL THAT APPLY								
								Farm/House		Market						
			Quantity (OUTPUT)	Quantity (OUTPUT)	UNIT PRICE CHARGED GH¢	Quantity (OUTPUT)	UNIT PRICE PAID GH¢	Quantity (OUTPUT)	Quantity (OUTPUT)	Quantity (OUTPUT)	UNIT PRICE CHARGED GH¢	Intermediary	Consumer	Intermediary	Consumer	Total transport cost GH¢
1	Gari															
	Oil (palm, groundnut, coconut, soybean)															
	Shea butter															
	Milled rice (parboiled, other)															
	Alcohol (pito, palm wine, akpeteshie)															
	Animal products (sausage, smkd meat, hides)															
	Dairy products (cheese, yogourt)															
	Malt															
	Other (specify)															
	Other (specify)															
	Other (specify)															
2	Gari															
	Oil (palm, groundnut, coconut, soybean)															
	Shea butter															
	Milled rice (parboiled, other)															
	Alcohol (pito, palm wine, akpeteshie)															
	Animal products (sausage, smkd meat, hides)															
	Dairy products (cheese, yogourt)															
	Malt															
	Other (specify)															
	Other (specify)															
	Other (specify)															

Form 2b

Minor Season

Post-harvest

Health

Use the sticker of random household ID Code to select and additional respondent who is 15 years old or older and of the opposite gender as the holder

IF NOTHING OR NONE, WRITE 0

ID CODE	(71) LATELY, HAVE YOU BEEN FEELING SICK?	(72) In the last two weeks, for how many days could you <u>NOT</u> do these activities <u>because of illness</u> ?					(73) In the last two weeks, <u>because of illness</u> , did you miss any <u>full days</u> of work and how many?		(74) In the last two weeks, <u>because of illness</u> , did you miss <u>part of a work day</u> and for how many days?		(75) Please describe the main symptoms of this illness. ALLOW UP TO 3 RESPONSES			(76) If you could not work due to this illness... In which ways did you reduce your workload? What did you do to compensate this reduction in work?			
		(NUMBER)									Symptom 1	Symptom 2	Symptom 3				
	Yes 1	Stand from sitting in a chair	Rise from sitting on the floor	Weed on a field / farm	Walk up to 5 kms	Carry a heavy load (like a basket heavy loaded with cassava) for 30 steps	Yes 1	If yes, how many days?	Yes 1	If yes, how many days?	SYMPTOM CODE	SYMPTOM CODE	SYMPTOM CODE	WORK RESPONSE CODE	WORK RESPONSE CODE	MITIGATION CODE	MITIGATION CODE
	No 2						No 2	(74)	No 2	(75)							

01																	
02																	
03																	
04																	
05																	
06																	
07																	
08																	
09																	
10																	
11																	
12																	
13																	
14																	
15																	

Form 2b

Minor Season

Post-harvest

Health

Use the sticker of random household ID Code to select and additional respondent who is 15 years old or older and of the opposite gender as the holder

IF NOTHING OR NONE, WRITE 0

ID CODE	(77) In the last two weeks, <u>because you had to take care of another household member who was ill</u> , did you miss any <u>full days</u> of work and how many days?		(78) In the last two weeks, <u>because you had to take care of another household member who was ill</u> , did you miss <u>part of a work day</u> and for how <u>many days</u> ?		(79) How many times did you visit any health facility in the past 3 months?	(80) What was the main reason for your most recent visit to a health facility?	(81) In your last visit to a health facility, how much money did you spend on...?			(82) Are you currently enrolled in any of the following health insurance programs?
	Yes 1		Yes 1		IF '0' ▶ (82)	Illness 1				None 1
	No 2		No 2		Number	Injury 2				National /district health Insurance (NHIS) 2
	▶ (78)	If yes, how many days?	▶ (79)	If yes, how many days?		Follow-up 3				Health insurance through employer 3
						Check-up 4				Mutual health organization/Community-based 4
						Pre-/post-natal care 5		Medicines/ Medical supplies	Transportation (to and from health facility)	Other privately purchased/commercial 5
						Vaccination 6	Consultation GH¢	GH¢	GH¢	Other 6
						Other 7				

01										
02										
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10										
11										
12										
13										
14										
15										

Crop, Animal, and Health Codes

STARCH STAPLE CROPS	CV	Cassava
	CY	Cocoyam
	MZ	Maize
	ML	Millet
	PL	Plantain
	RC	Rice
	SG	Sorghum
	SP	Sweet potato
	TR	Taro
	YM	Yam
TREE CROPS	AV	Avocado
	CS	Cashew
	CO	Cocoa - Local
	CH	Cocoa - Hybrid
	CN	Coconut
	CF	Coffee
	CL	Cola
	LM	Lime
	MG	Mango
	OP	Oil-palm
	OG	Oranges
	PW	Paw-paw
	SN	Shea-nut

INDUS- TRIAL	CI	Citronella
	CT	Cotton
	JT	Jute
	KF	Kenaf
	RB	Rubber
	SS	Sissal
	SB	Sweet Berry
	SC	Sugar Cane
HORTI- CULTURE	TB	Tobacco
	FL	Flowers
	PN	Pineapples
	WM	Watermelon
VEGE- TABLES	BN	Banana
	AS	Asian vegetables
	CG	Cabbage
	CR	Carrots
	GE	Garden eggs
	LT	Lettuce
	ME	Melon (agusi)
	OK	Okro
	PE	Pepper (Sweet)
	PK	Pumpkin leaves
	CU	Cucumber
	TL	Talinum leaves
	TO	Tomato

SPICES	BP	Black pepper
	GI	Ginger
	NM	Nutmeg
	ON	Onions
	PH	Pepper (Hot)
	SH	Shallots
PULSES / LEGUMES	BB	Bambara beans
	CP	Cow peas
	GN	Ground nuts
	PP	Pigeon peas
	SY	Soya bean
OTHER	FD	Established fodder
	OT	Other Crops
	MS	Mushroom
	GP	Permanent grazing
	GZ	Seasonal grazing

FA	Fallow
VL	Virgin Land

LIVE- STOCK	GS	Ghana West African shorthorn (WASH)
	SA	Sanga
	ND	N'Dama
	ZE	Zebu
	OC	Other cattle
	HO	Horse
	DO	Donkey
	MU	Mule
	LP	Local pig
	EP	Exotic pig
	GO	Sahelian Goat
	WG	West African Dwarf Goat (WAD)
POULTRY AND BARN- YARD	SE	Sahelian Sheep
	DS	Djallonke Sheep
	OA	Other
	LC	Local chicken
	CC	Cross/Hybrid chicken
	EC	Exotic chicken
	GF	Guinea fowl
	DU	Duck
	OS	Ostrich
	TU	Turkey
	PI	Pigeon
	RA	Rabbit
AQUA- CULTURE	SL	Snail
	BH	Bees
	GC	Grasscutter
	OB	Other
	TI	Tilapia
	CA	African Madfish (catfish)
	HE	Heterotis
	SK	Snakehead
	OF	Other

SYMP- TOMS	01	Diarrhea (watery stools)
	02	Nausea
	03	Vomiting
	04	Poor appetite
	05	Intense headache
	06	Fever
	07	Cough (with and without bloody spit)
	08	Sore throat
	09	Sneezing
	10	Generalized aches and pains
	11	Fatigue (decreased energy/weakness)
	12	Shortness of breath
	13	Chest pain
	14	Joint swelling
	15	Skin ulcers, sores or lesions
	16	Eye infection (discharge, swollen eyelids)
	17	Ear infection
	18	Injury suffered while doing farm work
	19	Injury suffered while doing non-farm work
	20	Injury suffered while doing domestic work
	21	Abdominal pain or waist pain
	22	Other
	99	None

WORK RESPONSE	01	Reduced time spent tending cash crop
	02	Reduced time spent tending main staple food crops
	03	Reduced time spent tending livestock
	04	Reduced time spent on going to the market to sell
	05	Reduced time spent on non-agricultural income generating activities
	06	Reduced time spent on domestic activities
	07	Reduced time spent on child care
	08	Reduced leisure time
	09	Reduced area being cropped
	10	Changed farming techniques (e.g. weed less often)
MITIGATION	11	Other
	99	None
	01	Worked more hours on other days
	02	Worked harder on other days
	03	Had other adult household males work more days or hours per day
	04	Had other adult household females work more days or hours per day
	05	Had boy household members work more days or hours per day
	06	Had girl household member work more days or hours per day
	07	Had other adults from other farms work on farm
	08	Used hired labor
	09	Other
	99	None

Animal illness codes

ANIMAL DISEASE/COD CODE	Disease	Type of animal	Main symptoms
	01 Parasites / Worms	All	N/A
	02 Tetanus		Stiffness followed by muscle spasms ("locked jaw" is common), high sensitivity to touch, sounds, etc. (fixed stare and erect ears and flared nostrils)
	03 Rabies	All but poultry	Changes in behaviors: aggressiveness, irritability, nervousness. Excessive salivation and frothing around the mouth
	04 Anthrax	Cattle, sheep, goats, pigs	Fever, lack of rumination, excitement followed by depression. Quick death, bloodily discharges from natural body openings once dead
	05 Pneumonia		Deep cough, shortness of breath, "blowing" of the lips, lethargy and loss of appetite and weight. Skin might turn light blue or purple.
	06 Contagious Bovine Pleuropneumonia (CBPP)	Cattle	Fever, lethargy, sever respiratory signs (coughing, difficulty breathing, outstretched neck, wide stance of front legs
	07 Tuberculosis		Progressive weight loss, low-grade fever, weakness and inappetence, moist cough (worst in the morning or when exercising)
	08 Blackleg		Difficulty walking; swelling in shoulder, back and neck areas with cracking sound under pressure; gas formation inside the enlarged swellings
	09 Brucellosis		Abortion, stillborn or weak calves, retained placentas and reduced milk yields
	10 Babesiosis		Fever accompanied later by muscle tremors, weight loss, fast breathing, and, in the final stages urine with blood
	11 Heartwater		Fever, followed by lacrimation and convulsions. High-stepping stiff gait, exaggerated blinking of eyes, and chewing movements
	12 Newcastle disease (NCD) [vaccine name is I-2]	Poultry	Gasping, coughing, sneezing. Tremors, paralyzed wings and legs, twisted neck, circling, cronic spasms
	13 Fowlpox		Small, white bumps that grow rapidly and turn yellow, then dark and brown; latter they become scabby. Present mostly on non-feathery skin
	14 Mareks disease		Paralysis of leg(s) or wing(s); depression, weakness, diarrhea; tumors on feather follicles; blindness (often in one eye); pale and shriveled comb
	15 Gumboro		Severe prostration, incoordination, watery diarrhea, soiled vent feathers, vent picking, and inflammation of the cloaca
	16 Coccidiosis		Severe diarrhea and high mortality. Animal eats and drinks less than usual; weight loss; decreased egg production.
	17 Avian flu		Discharge from eyes and nose. In more accute cases, blood-tinged oral and nasal discharges, bruising and greenish diarrhea.
	18 Bird Pecking		N/A
	19 Peste des Petits Ruminants (PPR)	Small ruminants (sheep, goat)	Fever, dry muzzle, congestion; Nasal discharge which later becomes mucous, with pus and with putrid odor. Black (necrotic) lesions on nose
	20 Africa swine fever (ASF)	Pigs	High fever and death in 7-10 days. Loss of appetite, recumbency (lying down); redness of skin in ears, abdomen and legs; vomiting, bleeding of nose or anus
	21 Anaplasmosis	Cattle, sheep and goats	Loss of appetite and coordination, shortness of breath, leaping and forceful pulse; brown urine (with no blood). Animals die within hours from first symptoms
	22 Footrot		Skin between digits (toes) swells, becomes tender (toes might separate) and foul odor might appear at later stages. Difficulty walking or standing.
	23 Foot and Mouth		Fever and vesicles in (one or more): mouth (tongue, lips, gums), and feet (around hooves, in-between digits). Salivation and stomping of feet
	24 Mange		Itchy skin and (one or more): flaky skin that forms crusts and (skin folds may appear). Usually starts around head, neck and shoulder.
	25 Bloat		Distended left abdomen, loss of appetite and reluctance to move. Distress(vocalizes, eyes bulge), difficulty urinating and defecating, rapid breathing.
	26 Dystocia		Refers to abnormal or difficult births.
	27 Streptotricosis (Dermatophilosis) "Rain rot"		Infection of the skin. Hairs tend to matt together as paint-brush lesions and there is crust or scab formation and wart-like lesions at later stages.
	28 Trypanosomiasis (Nagana)	All	Intermittent fever, anemia, weight loss
	29 Poison		N/A
	30 Ingestion of Polythene Bags		N/A
	31 Accident		N/A
	32 Other		N/A
	33 Unknown		N/A

Calendar of events

Event	Year	Difference
Yaa Asantewaa War	1900	111
Capture of Yaa Asantewaa	1901	110
First World War	1914	97
West African Currency Notes introduced	1918	93
Armistice Day (End of 1st World War)	1918	93
Prince of Wales visited Gold Coast	1925	86
First Aeroplane arrived in Accra	1926	85
Dr. J.E. Kwagyir Aggrey died	1927	84
Takoradi Harbour opened	1928	83
Introduction of Basic Rate	1936	75
Cocoa Hold-up	1938	73
Second World War Started	1939	72
Eclipse of the sun	1947	64
Founding of CCP by Kwame Nkrumah	1949	62
Positive Action declared	1950	61
Kwame Nkrumah made Leader of Government Business	1951	60
Kwame Nkrumah made first Prime Minister of the Gold Coast	1952	59
Ghana's Independence declared	1957	54
Ghana became a Republic	1960	51
Queen Elizabeth II visited Ghana	1961	50
The Kulungugu bomb explosion	1962	49
Flagstaff House shooting incident involving Ametewee	1964	47
Formal opening of Akosombo Dam	1965	46

Event	Year	Difference
President Nkrumah overthrown by the Army & Police	1966	45
Introduction of the New Cedis & New Pesewas	1967	44
Dr. K.A. Busia made Prime Minister of Ghana	1969	42
Death of Asantehene Nana Sir Osei Agyeman Prempeh II	1970	41
Ghana broke Diplomatic Relations with Israel	1973	38
Introduction of Right H& Traffic	1974	37
Creation of Supreme Military Council (SMC I)	1975	36
Referendum on Union Government	1978	33
Uprising in which Flt. Lt. J.J. Rawlings was arrested	1979	32
Pope John Paul II visited Ghana	1980	31
Draught, bush fires & hunger (Rawlings chain)	1983	28
Voters registration exercise	1987	24
District level elections	1989	22
Constitution of 4th Republic	1991	20
Election of J.J. Rawlings as President of Ghana	1992	19
J.J. Rawlings elected President for a second term	1996	15
Visit of the American President (Bill Clinton)	1998	13
Election of President John Agyekum Kufour	2000	11
Accra sports stadium disaster (May 9th)	2001	10
Eclipse of the sun	2006	5
Ghana celebrates 50 years of independence	2007	4
Election of President John Evans Atta Mills (December)	2008	3
US President Barack Obama visits Ghana (July)	2009	2

Ethnicity codes

Code	Ethnicity
01	Akan
	Agona
	Ahafo
	Ahanta
	Akuapem
	Akwamu
	Aowin
	Asante
	Asen (Assin)
	Bono (Brong)
	Evalue
	Fante

Code	Ethnicity
02	Ewe
03	Ga-Dangme
	Dangme (Ada, Shai, etc.)
	Ga
04	Grusi
	Kasena (Paga)
	Mole-Dagbani
	Sisala
	Vagala

Code	Ethnicity
05	Guan
	Akpafu, Lolobi, etc.
	Avatime, Nyangbo, etc.
	Awutu, Efutu, etc.
	Cherepong, Larteh, etc.
	Gonja
	Nkonya
	Yeji, Nchumuru, etc.

Code	Ethnicity
06	Gurma
	Bimoba
	Kokomba
	Basare (Kyamba)
	Pilapila
	Salfalba (Sabulaba)
07	Hausa

Code	Ethnicity
08	Mande-Busanga
	Busanga
	Wangara
09	Mole-Dagbani
	Builsa
	Dagarti (Dagaba), Lobi, etc.
	Dagomba
	Kusasi
	Mamprusi
	Nankansi, Talensi, etc.