#### Ghana Africa RISING Baseline Evaluation Survey - 2014

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u	1143		-0	IVI 7

My name is \_\_\_\_ and I work for a research program, called Africa Research in Sustainable Intensification for the Next Generation -Africa RISING-, which aims to alleviate hunger and poverty by increasing agricultural productivity. Your household is one of the 1200 households in the Northern, Upper East and Upper West Regions in Ghana selected to be interviewed now and at the end of the program (after two years). Data collected from study households like yours will be used to determine and understand major constraints and opportunities for improving livelihood. Analysis of baseline and follow-up data will allow the research team to assess the effect of the program on the livelihood of beneficiary farmers and help identify successful agricultural technologies and practices.

Data to be collected from you will be coded and will be kept strictly confidential. All household identifying information will be held in strict confidence and used only for research purposes. No identifying information (e.g., respondent name) will appear in data report. Participation in this interview is voluntary and you may refuse to participate, discontinue the interview at any time, or skip any question you do not want to answer with no penalty or loss of benefits to which you are otherwise entitled. You are allowed to ask questions concerning the research, both before agreeing to participate in the interview, during, and after the interview.

As head of the household or spouse of the head, I would like to ask you questions mainly about agricultural activities and consumption. I will need to ask also other household members about health status and labor, as well as measure weight and height of all women of reproductive age and children under 5 years old. Answering these questions is expected to take around 3 hours in two visits. You may find some of the questions (for example about household asset ownership and consumption of food and non-food items) sensitive and you can refuse to answer any sensitive question without any consequence whatsoever.

Please contact Cecilia Tinonin on telephone number +233-248-975-185 if you have questions about the research and your right as a research participant, and Carlo Azzarri at c.azzarri@cgiar.org if you face injury as a result of your participation in this survey. Please contact Erick Boy, the chair of the International Food Policy Research Institute Institutional Review Board at +1 202 862-8141 or e.boy@cgiar.org if you need more information or have questions about this study.

Before I start, do you have any questions or is there anything I have said on which you would like further clarification? May I proceed with interviewing you and other household members?

Yes □	NO 🗆	
Subject Name	Subject Signature	
Consent form appro	oved by IFPRI IRB on	

## Region District Community Household Enter 3-digit household code from the list of sampled households\*\*

#### **Survey Staff Details**

A8 ENUMERATOR NAME:									
A9a DATE OF INTERVIEW (FIRST VISIT):	MM	I I	YYYY	(SECON	D VISIT):	MM	/ DD	/ YYYY	A9b
A10a INTERVIEW STARTING TIME (FIRST VISIT)	HOUR	/ MIN		(SECON	D VISIT):	HOUR	,	MIN	A10b
A11 NAME OF SUPERVISOR:	TIOOK	IVIIIN				HOOK	'	VIIIN	
A12a DATE OF QUESTIONNAIRE INSPECTIONS BY SU	JPERVISOR:		1st ins	spection /	2nd inspect	ion I		A12b	

#### **GPS** coordinates

			Degree	Minute	Second
A5	GPS Latitude	Ν			
A6	GPS Longitude	W			
A7	Elevation (in meters)		•	•	•

#### Household information

A13	Name of head of household	
A14	Name of respondent (if not head)	
A15	Relationship to head (if not head)	
A16	Was translator used? 1. Yes 2. No	
A17	Phone numbers (if available)	
A18	Religion of the head 1 Christian 2 Muslim 3 Traditional 4 Other 5 None	

#### Household recontact

ſ	A19	Reference person within the community	
I	A20	Relationship to the reference person within the community	
I	A21	Reference person outside the community (specify community)	
	A22	Relationship to the reference person outside the community	

0	8 Northern Region
Code	District name
12	Tolon-Kumbungu
13	Savelugu-Nanton
20	Mamprusi West

09	Upper East region
Code	District name
02	Kassena-Nankana West
03	Kassena-Nankana East
05	Talensi-Nabdam
06	Bongo

10	Upper West region
Code	District name
01	Wa West
02	Wa municipal
03	Wa East
05	Nadowli

Con	nmunity codes
	Village name
01	Arigu
02	Basigu
03	Bonia
04	Botingli
05	Cheyohi No. 2
06	Disiga
07	Duko
08	Fian
09	Gbanjon
10	Gia
11	Goli
12	Goripie
13	Goriyiri
14	Guo
15	Gushie
16	Gyilli
17	Issa
18	Jana
19	Kadia
20	Karemiga
21	Kpallung
22	Kpelung
23	Kpirim
24	Kukobila
25	Kukua
26	Laogri
27	Nabogu
28	Namiyila
29	Naro
30	Nasia

31	Natodori
32	Nyagli
33	Nyangua
34	Papu
35	Pase
36	Pigu
37	Sa Gie
38	Sabulungo
39	Shia
40	Siiriyin
41	Tabiase
41 42	Tabiase Tanina
42	Tanina
42 43	Tanina Tekuru
42 43 44	Tanina Tekuru Tibali
42 43 44 45	Tanina Tekuru Tibali Tiborgunayili
42 43 44 45 46	Tanina Tekuru Tibali Tiborgunayili Tindan
42 43 44 45 46 47	Tanina Tekuru Tibali Tiborgunayili Tindan Tingoli
42 43 44 45 46 47 48	Tanina Tekuru Tibali Tiborgunayili Tindan Tingoli Wogu

Quantity unit code	es*
Code Unit	
01 Kilogram	
02 Gram	
03 Liter	
04 Unit or Piece	
05 Cane/Basket	
06 Bucket	
07 120 kg maxibag	
08 100 kg maxibag	
09 50kg minibag	
10 Ox-cart	
11 Trailer	
12 Lorry	
13 Headload	
14 Bunch	
15 Bale	
16 Sachet/tube	
17 Plate	
18 Cup	
19 Heap	
20 Bowl	
21 Other	
Area unit codes	*
Code Unit	
01 Acre	
02 Hectare	
03 Meter squared (	M2)
04 Football field	
05 Other	

Crop List									
	Cereals								
11	Maize								
12	Wheat								
13	Pearl millet								
14	Sorghum								
15	Finger millet								
16	Rice								
19	Other cereals								
	Pulses and nuts								
21	Bean								
22	Soybean								
23	Pigeonpea								
24	Chickpea								
25	Cowpea								
26	Peas								
27	Groundnut								
28	Bambara nuts								
29	Other pulses, nuts								
	Vegetables								
31	Cabbage								
32	Tomatoes								
33	Okra								
34	Amaranthus								
35	Red pepper								
36	Green pepper								
37	Garden Eggs								
38	Ayoyo								
39	Bitter Leaves								
40	Carrots								
41	Watermelon								
49	Other vegetables								

			Crop Varieties		
Ro	oot and tuber crops	Maize	•	Cowpe	as variety
51	Onion	110	Obaatampa	250	Zaayura
52	Irish potato	111	Okomasa	251	Paditua
53	Sweet potato	112	Mamaba	252	Apagbaala
54	Garlic	113	Dadaba	259	Others
55	Cassava	114	Abelehi	Ground	Inut variety
56	Ginger	115	Omankwa	270	Chinese
57	Yam	116	Enii-Pibi	279	Other groundn
59	Other roots, tubers	117	PANA\Hybrid	Tomato	variety
	Perennial crops	118	ETUBI\Hybrid	320	Roma
61	Avocado	119	Aburohemaa	321	Manglo
62	Banana	1101	Abrotia	329	Other tomato v
63	Mango	1102	Golden Jubilee	Cassav	a Variety
64	Orange	1199	Other maize variety	550	Sweet
65	Pawpaw/Papaya	Rice va	ariety	551	Bitter
66	Dawadawa	160	Marhal Perfume	552	Ampong
67	Oil palm	161	Bouake 189	553	Bankye Broni
68	Sugar cane	162	ITA 320	554	Sika Bankye
69	Other perennial	163	ITA 324	555	Otuhia
	Other crops	164	Togo Marshal	559	Other cassava
71	Cotton	165	Jasmine 85	Cotton	Variety
72	Baobab	166	Torks	710	Stamp
73	Tobacco	169	Other rice variety	711	FK37
74	Shea Nut	Soyabe	ean variety	719	Other cassava
79	Other crops	220	Enidaso	Sweet	Potato Variety
	Other land use	221	Jenguma	430	Red
81	Fallow	222	Soung-Pun	431	White
82	Pasture/grazing	223	Sonda	439	Other sweet po
83	Planted fodder	224	Afayak		
84	Planted trees	225	Salintuya 1		
85	Natural trees	226	Songotra		
89	Other uses	227	Quarshie		
	1	229	Other bean variety		

FK37 719 Other cassava variety

439 Other sweet potato variety

Other cassava variety

279 Other groundnut variety

Other tomato variety

#### SECTION B. CHARACTERISTICS OF MEMBERS OF THE HOUSEHOLD\*

	ASK ALL HOUSEHOLD MEMBER. RESPO	NDENTS 12 OR OLDER SH	HOULD RES	R THEMSELVES	14 YEARS OR OLDER	ONLY FOR MEMBERS 7 YEA	ARS OR OLDER			
	Please tell me the names of all members of the household starting with the head of household.	What is the relationship of [NAME] to the head of household?	Is [NAME] male or female?	How old is	s [NAME]?	How many months of the past 12 months has [NAME] lived with the household?	What is [NAME]'s marital status?	What is the highest grade completed by [NAME]?	Which languages can [NAME] read and write?	
I N D I V I D U A L I D	LIST ONLY NAMES OF HOUSEHOLD MEMBERS*	1 Head 2 Spouse 3 Son/daughter 4 Son/daughter in law 5 Grandchild 6 Parent or parent in law 7 Other related 8 Other unrelated	1 Male 2 Female	female?  [IF 6 YEARS AND 12 MONTHS OR OVER, GIVE YEARS ONLY. IF LESS THAN 6 YEARS AND 12 MONTHS, GIVE YEARS AND MONTHS]  [PLEASE ASK BIRTH CERTIFICATE, ESPECIALLY FOR CHILDREN]		or more 2 Less than three months ► NEXT LINE	Monogamous married     Polygamous married     Living together     Separated     Divorced     Never married     Widow(er)	-1 No school/none 0 Kindegarten 1 Primary 1 2 Primary 2 3 Primary 3 4 Primary 4 5 Primary 5 6 Primary 6 7 JHS 1 8 JHS 2 9 JHS 3 10 Middle 11 SHS 1 12 SHS 2 13 SHS 3 14 SHS 4 15 O-LEVEL 16 A-LEVEL 17 TECHNICAL/TEACHER /COLLEGE/VOCA.	1 Dagbani 2 Dagaare 3 Kasem 4 Gonja 5 Kusal 6 Likpakpa 7 Wali 8 Frafra 9 Multiple local languages 10 English 11 English and local language(s) 12 Other foreign languages 13 Cannot read and write 14 Don't know	
								19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION	14 DOTT CKNOW	
ID	B1	B2	В3	B4a	B4b	B5	В6	19 UNIVERSITY-DEGREE	B8	
<b>ID</b>	B1	B2	В3	B4a	B4b	B5	B6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		
	B1	B2	В3	B4a	B4b	B5	B6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		
1	B1	B2	В3	B4a	B4b	B5	В6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		
1 2	B1	B2	В3	B4a	B4b	B5	B6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		
2	B1	B2	B3	B4a	B4b	B5	B6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		
1 2 3 4	B1	B2	В3	B4a	B4b	B5	B6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		
1 2 3 4 5	B1	B2	B3	B4a	B4b	B5	B6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		
1 2 3 4 5 6	B1	B2	B3	B4a	B4b	B5	B6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		
1 2 3 4 5 6 7	B1	B2	B3	B4a	B4b	B5	B6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		
1 2 3 4 5 6 7 8	B1	B2	B3	B4a	B4b	B5	B6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		
1 2 3 4 5 6 7 8	B1	B2	B3	B4a	B4b	B5	B6	19 UNIVERSITY-DEGREE 20 POST-UNIVERSITY EDUCATION		

<sup>\*</sup> The household is defined a s a group of people who share expenses and live and eat together most of the time, that is more than 3 months of the year or more than three days of the week. A newborn less than 3 months has to be considered a household member

#### ISCO OCCUPATION CODE

- 1 Manager
- 2 Professional
- 3 Technician and associate professional
- 4 Clerical support worker
- 5 Service and sales worker
- 6 Skilled agricultural, forestry, and fishery workers
- 7 Craft and related trades worker
- 8 Plant and machine operator, and assembler
- 9 Elementary occupation
- 10 Armed forces
- 11 Other

#### ISIC BUSINESS SECTOR CODE

- 1 Agriculture, forestry and fishing
- 2 Mining and quarrying
- 3 Manufacturing
- 4 Electricity, gas, steam and air conditioning supply
- 5 Water supply; sewerage, waste management and remediation activities
- 6 Construction
- 7 Wholesale and retail trade; repair of motor vehicles and motorcycles
- 8 Transportation and storage
- 9 Accommodation and food service activities
- 10 Information and communication
- 11 Financial and insurance activities
- 12 Real estate activities
- 13 Professional, scientific and technical activities
- 14 Administrative and support service activities
- 15 Public administration and defence; compulsory social security
- 16 Education
- 17 Human health and social work activities
- 18 Arts, entertainment and recreation
- 19 Other

	ASK THESE QUESTIONS ONLY FOR MEMBERS 7 YEARS OR OLDER  What was the primary economic What is What kind of   What was the secondary economic   CHECK:   [ASK IF RESPONSE TO B9   During the   In those   In those   In the last 7   Why was   [ASK IF RESPONSES   What type of illness,															
	What was the <u>primary</u> economic activity [NAME] was involved in during <u>the last 12 months</u> ?	What is [NAME's] occupation in his/her primary economic activity?	trade or business is [NAME] engaged in	activity [NAME] was involved in	CHECK: WHAT ARE THE ANSWERS TO QUESTIONS	AND/OR B11 IS How much cash [NAME] receive and secondary,	5 5, 6, OR 7]  n/in kind support did in total (primary if any) for paid	During the last 12 months, for how many	in those months that [NAME] worked, how many weeks per month,	In those weeks [NAME] worked, how many hours per week, on	In the <u>last 7</u> <u>days</u> , how many hours did [NAME] work on these activities?	Why was [NAME] not available for work during the last 12 months?	[ASK IF RES TO B18 IS <u>During the</u> <u>months</u> , for was [NAME work as a re	S 5,6,7] e last 12 how long ] unable to	symptoms did cause [	or injury [NAME] to to work?
I N D I V I D U A L	Self-employed in agriculture without employees     Self-employed in agriculture with employees     Self-employed in non-agriculture-without employees     Self-employed in non-agriculture-with employees     Self-employees     Self-employees     Hired in agriculture     Hired in non-agriculture	activity?	his/her primary economic activity?	Self-employed in agriculture without employees     Self-employed in agriculture with employees     Self-employed in non-agriculture-without employees     Self-employed in non-agriculture-with employees     Self-employees     Hired in agriculture     Hired in non-agriculture	1 B9 AND/OR B11 IS 5, 6, OR 7 2 B9 AND B11 ARE BOTH NOT	months? What period did the payment cover or is expected to cover? [FOR IN-KIND SUPPORT, ASK ESTIMATED VALUE]  IF RESPONDENT HAS NOT YET BEEN PAID, ASK: How much cash would [NAME] expect to get paid? [PROBE RESPONDENT]		months did [NAME] work on these activities?  MAX AMOUNT: 12 MONTHS	on average, did [NAME] usually work on these activities? MAX AMOUNT: 4 WEEKS	average, did [NAME] usually work on these activities?  MAX  AMOUNT: 168 HOURS  MAX  TIDD NOT WORK IN THE LAST 7 DAYS	1 In school  ▶ NEXT LINE 2 Household duties ▶ NEXT LINE Unable to work: 3 Too young ▶ NEXT LINE 4 Too old ▶ NEXT LINE 5 Sick	illness or injury? [WRITE 0 IF [NAME] WAS ABLE TO WORK ► NEXT LINE]		Diarrhea 4 Headache 5 Heart 6 Lung		
I D	7 Informal labor (paid) 8 Unpaid family helper in agriculture 9 Unpaid family helper in non- agriculture 10 Unavailable to work ► B18 11 Looking for work ► NEXT LINE	[SEE ISCO CODES ABOVE FOR OCCUPATION}	[SEE ISIC CODES ABOVE FOR BUSINESS SECTOR]	7 Informal labor (paid) 8 Unpaid family helper in agriculture 9 Unpaid family helper in non- agriculture 10 None	5, 6, OR	1 HOUR 2 DAY 3 WEEK 4 FORTNIGHT 5 MONTH	6 QUARTER 7 HALF YEAR 8 YEAR 9 OTHER 10 REFUSE TO ANSWER UNIT	MONTHS	WEEKS	HOURS	► NEXT LINE	6 Disabled 7 Other	DURATION	1 Month 2 Week 3 Day	7 Maternity 8 Ulcer 9 Disability 10 Other	
ID	В9	B10a	B10b	B11	B12	B13a	B13b	B14	B15	B16	B17	B18	B19a	B19b	B20a	B20b
1																
2																
3																
5																
6																
7																
8																
9																
10																
11																
12																

0	5	SECTION B. CHARACTERISTICS OF MEM HOUSEHOLD*	BERS OF	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	I N D I V I D U A L I D	LIST ONLY NAMES OF HOUSEHOLD MEMBERS	1 Male 2 Female	Age	
	ID	B1	В3	Years <b>B4a</b>	
	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				

#### SECTION C: CHILD ANTHROPOMETRY

#### ENUMERATOR: ASK PARENTS/CAREGIVERS OF CHILDREN BETWEEN THE AGES OF 0-59 MONTHS.

Г	IS [NAME] 5	Has [NAME]	WAS [NAME]	WHY WAS [NAME]	Where does [NAME]'s	Where does [NAME]'s	WEIGHT	HEIGHT	WAS HEIGHT /	UPPER ARM
	YEARS OR			NOT MEASURED?	MOTHER live?		[IF LESS THAN 10	[IF LESS THAN 100	LENGTH MEASURED	CIRCUMFERENCE
	YOUNGER?	the last 3		1 CURRENTLY NOT	[IF MOTHER LIVES IN	[IF FATHER LIVES IN	KG, PUT TWO		WITH CHILD	[MEASURE THE
		months?		HOME	THE HOUSE, COPY	THE HOUSE, COPY	LEADING ZEROS (8.5	LEADING ZERO	STANDING OR	LEFT ARM]
				2 TOO ILL	HER HOUSEHOLD	HIS HOUSEHOLD	kg=008.5). IF MORE	(97.3 CM=097.3 CM)]	LYING DOWN	PUT ONE LEADING
				3 UNWILLING	MEMBER ID. IF	MEMBER ID. IF	THAN 10 KG AND		[LATTER ONLY FOR	ZERO (3.5 CM=03.5
				4 OTHER	MOTHER DOES NOT		LESS THAN 100 KG,		CHILDREN LESS	CM)]
					LIVE INSIDE THE		PUT ONE LEADING		THAN 2 YEARS	
					HOUSE, WRITE 97. IF				OLD]?	
					MOTHER IS DEAD,		015.5 KG)]			
					WRITE 98. WRITE 99					
					IF NOT KNOWN]	IF NOT KNOWN]				
I	1 YES	1 YES	1 YES ► C5						1 Standing	
	2 NO ► NEXT	2 NO	2 NO	►NEXT LINE					2 Lying down	
	LINE						KG	CM		CM
ID	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10
1								•		• _
2							•_	•_		•
3								•		•
Η,								_		
4							•	•		• _
5								•		•
6							•	·		•
7							•			• _
8							•	•		•
9							•_	•_		•
10							•_			
-										
11							•	•		•
12							•	• _		•

#### SECTION D: WOMEN ANTHROPOMETRY

ENUMERATOR: ASK THESE QUESTIONS OF EACH WOMAN OF REPRODUCTIVE AGE (15-49 YEARS) IN THE HOUSEHOLD. GET WOMAN'S ID CODE FROM THE HOUSEHOLD ROSTER.

					ONLY WOMEN 15-4	19 YEARS			
	In what y month w bor [IF YEAR KNOWN, 9999. IF M NOT KN ENTE! [SEE BA	rere you rn? R IS NOT , ENTER MONTH IS NOWN, R -99] ACK OF	between 15 and 49 years old?	CHECK MODULE "B MEMBERS": IS THE RESPONDENT BETWEEN THE AGES OF 15 AND 49 YEARS? [IF THE INFORMATION IN D1a AND D1b CONFLICTS WITH INFORMATION IN MODULE B (B4a AND B4b), DETERMINE WHICH IS MOST APPROPRIATEI	Are you currently pregnant or breastfeeding?  1 YES, PREGNANT ► NEXT LINE 2 YES, BREASTFEEDING 3 NOT PREGNANT 4 DO NOT KNOW	WAS [NAME] MEASURED?	NOT HOME	KILOGRAMS: WEIGHT THE WOMAN [IF LESS THAN 100 KG, PUT ONE LEADING ZERO (50.5 KG=050.5 KG)]	HEIGHT IN CENTIMETERS: MEASURE THE WOMEN [IF LESS THAN 100 CMS, PUT ONE LEADING ZERO (97.3 CM=097.3)]
	YEAR MONTH		1 YES 2 NO	1 YES 2 NO ► NEXT LINE		1 YES ► D7 2 NO			
						-		KG	СМ
ID	D1a	D1b	D2	D3	D4	D5	D6	D7	D8
1								•	•
2								·	•
3									•
4								•	•
5								•	•
6									•
7								•	•
8								•	•
9								•	•
10									•
11									·
12									·

#### **SECTION E. AGRICULTURAL LAND**

E4	Does your household engage in any agricultural activities (e.g	1	YES
EI	farming, livestock)?	2	NO (▶"MODULE "OTHER INCOME" L)
E2	When wee your last completed grouping season?	1	2012 (APRIL 2012- DEC 2012)
EZ	When was your last completed cropping season?	2	2013 (APRIL 2013- DEC 2013)

#### ENUMERATOR: ASK ABOUT PARCELS OF LAND USED BY THE HOUSEHOLD IN THE LAST COMPLETED SEASON, WHETHER OWNED BY THE HOUSEHOLD

P a r c	area of [PARCEL] that your household use?  Area unit		to your household?  1 Yes, entirely  2 Yes, communal  3 No, we rent it from others ► E6a  4 No, we sharecrop in ►E7	[PARCEL] during [LAST COMPLETED CROPPING	[IF RENTED II How much did household rec for [PARCEL]? OUT GO TO N LIVESTOCK J	your eive/pay in rent [IF RENTED MODULE	percentage of the harvest from [PARCEL] paid (in cash or in-kind)? [IF SHARECROPPED	use the la	luring [LAST LETED	source of water for
e l i d n u m b e r		Area unit 1 Acre 2 Hectare 3 M <sup>2</sup> 4 Football field 5 Other	5 No, we borrow at no cost ►E8	1 Yes ► E8a 2 No, left fallow ► E12 3 No, we rent it out to others 4 No, we share-crop it out ► E7 5 No, we lend it at no cost ► GO TO MODULE LIVESTOCK J1	Value in GHC [if in-kind, estimate value]	Time unit 1 Per month	LIVESTOCK J1J	1 Annual crops 2 Seasonal crops 3 Tree crops 4 Livestock 5 Wood lots 6 Other [LIST UP TO TWO]		1 Rain ► E12 2 Surface irrigation 3 Groundwater irrigation 4 A combination (rain and irrigation)
	Area	Unit				► E8a	Percent	1st	2nd	
ID	E3a	E3b	E4	E5	E6a	E6b	E7	E8a	E8b	E9
1						_	%			
2							%			
3							%			
5							%			
6							%			
7							%			
8							%			
9							%			
10							%			

### OR NOT ENUMERATOR: ASK ABOUT PARCELS OF LAND USED BY THE HOUSEHOLD IN LAST COMPLETED SEASON, WHETHER OWNED BY THE HOUSEHOLD OR NOT

	What kind of	What is the	What is the	What	What is the	What is the	When was the last	How long does it take to get	[GPS
	irrigation do you	main means of	type of the soil	proportion of	color of the	slope	time you experienced	to [PARCEL] from your	MEASUREMENT TO
	use for	irrigating	on [PARCEL]?	[PARCEL]	soil of	[PARCEL]?	waterlogging problems	house by the usual mode of	BE COLLECTED
	[PARCEL]?	[PARCEL]?		has crusted	[PARCEL]?		on [PARCEL]?	transport (one way in	FROM THE PARCEL
Р				soils?			[WRITE 0 IF NEVER	minutes)	CLOSEST TO THE
							EXPERIENCED]	<u> </u>	HOMESTEAD]
a								1 Adjacent to	
r								homestead 2 Less than 15 mins	
С	1 Ground water	1 Electric pump	1 Clay		1 Black	1 Flat		3 15 -30 mins	
e	2 River diversion		2 Loam			2 Terraced		4 30 - 60 mins	
'	3 Pond diversion		3 Sand ► E14			3 Gentile slope	1 JAN	5 More than 1 hour	
		3 Gravity	4 Sand/loam		4 Red/Brown	4 Moderate	2 FEB		PARCEL AREA
į i	5 Deep well	4 Threaded	5 Silt		5 Grey/Brown	slope	3 MAR	[IF THE HOUSEHOLD	(IN HECTARE)
d	6 Water	pumps	6 Other			5 Steep slope	4 APR	IS AMONG THOSE	(1111120171112)
	harvesting	5 Other	o Other				5 MAY	FROM WHICH LAND	
n		5 Other					6 JUN	AREA MEASUREMENT	
u	7 Water cans			Percent			7 JULY	NEEDS TO BE	
m	8 Drip irrigation			reiceiii			8 AUG	COLLECTED, GPS MEASUREMENT MUST	
b	9 Other						9 SEP	BE TAKEN AFTER THE	
е							10 OCT	ENUMERATOR	
r							11 NOV	COMPLETES	
							12 DEC	LIVESTOCK MODULE	
							12 DEC	(MODULE J2)]	
ID	E10	E11	E12	E13	E14	E15	E16	E17	E18
1				%					
2				%					
3				%					
5				%					
6				%					
7				%					
8				%					
9				%					
10				%					

SECTION E	CDOD INDI ITS /S	SOIL CONSERVATION)

ENUMERATOR: EN	ERATOR: ENTER PLOT-LEVEL INFO									LAST COM	MPLETED (	CROPPING SI	EASON			
PARCEL NUMBER	How many plots does your household have in [PARCEL]?	PLOT	the past 5 years practice	Did you in the past 5 years practice fallowing in [PLOT]?	the fallow period begin, the <u>last time</u> [PLOT] was left fallow?			[ONLY IF F5a IS 9] In what year did you first begin to practice zero/minimum tillage on [PLOT]?	Did you practice contour ploughing or pit planting on [PLOT]?	How much manu apply to [PI		How much manure for this [PLOT] was brought onto the farm from outside [EXPRESSED IN UNIT F7b]?	the manure for this [PLOT] how much did it cost in unit prices [EXPRESSED	apply manure to this [PLOT]?	Which type of fertilizers did you use? 1 Urea 2 NPK 3 D. Compound 4 S. Compound 5 Super D 6 SA 7 CAN 8 Other 9 A combination	How was the fertilizer applied? 1 At planting 2 Top dressing 3 At planting and top dressing 4 Basal application* 5 At different stages
[COPY PARCEL NUMBER FROM AGRICULTURAL MODULE. REPEAT PARCEL NUMBER IF	(FOR EACH PARCEL, WRITE THE NUMBER OF	[WRITE PLOT NUMBER]		1 Yes 2 No ▶F5a	YEAR [FOUR DIGITS]	WRITE NUMBER OF	1 Hand hoe ▶ F6 2 Animal, mouldboard plough ▶ F6 3 Animal, disc plough ▶ F6 4 Tractor, mouldboard plough ▶ F6 5 Tractor, disc plough ▶ F6 5 Ridge tillage ▶ F6 7 Tied Ridge tillage ▶ F6 8 Planting pits ▶ F6 9 Zero/minimum tillage 10 Strio/zonal tillage ▶ F6	[WRITE -99 IF DO NOT REMEMBER]	1 Yes 2 No	Quantity	Unit [SEE PAGE CODE]	Quantity		1 Every year 2 Most years 3 Some years 4 Rarely 5 Just once	9 A combination 10 None ► F12	
THERE ARE MULTIPLE PLOTS ON THE PARCEL]	PLOTS]	F2	F3	F4a	[WRITE -99 IF DO NOT REMEMBER]	IF DO NOT	11 Ripping ►F6 12 Mixed method ►F6 13 Other ►F6	YEAR [IN 4-DIGITS]	F6	[WRITE 0 IF NO MANURE IS USED AND F10a]	F7b	[WRITE 0 IF IT WAS ALL GENERATED ON-FARM AND ▶ F9]	[IF MANURE IS OBTAINED FOR FREE OR IS COLLECTED WRITE 0]	F9	F10a	F10b
										-				-		1 1 0 10

<sup>\*</sup> Leguminous trees are ones that add nitrogen to soil, such as Calliandra (Calliandra calothyrsus), leucaena (Leucaena leucocephala), sesbania (Sesbania sesban), and Gliricidia (Gliricidia sepium).

SECTION F. CROP INPUTS (SOIL CONSE

ENUMERATOR: EI	NTER PLOT-LE	VEL INFO			LAS	ST COMPLETED (	CROPPING SEASON										
PARCEL NUMBER	How many plots does your household have in [PARCEL]?	PLOT NUMBER	[IF A ( FERTILIZEI AND <b>VALU</b> THE QUA	ch fertilizer w: COMBINATIC RS IS USED, JE SHOULD I NTITY AND \ ERTILIZERS	ON OF QUANTITY REFER TO /ALUE OF	What type of other organic inputs did you apply on [PLOT]?  1 Household waste 2 Mulch/compost 3 Wood  4 Crop residue from this farm 5 Crop residue from other farms 6 A combination of	input did y [PL [IF MORE TYPE O ORGANIC USED, EN QUANTITY ORGANI	other organic ou apply on OTJ? THAN ONE F 'OTHER C INPUT' IS TER TOTAL OF OTHER C INPUTS 'LIED]	How much of other organic input for [PLOT] was brought onto the farm from outside?	If you bought the <u>other</u> organic input for this [PLOT] how much did it cost in unit prices [EXPRESSED IN UNIT F13b]?	How many trees (herbs, shrubs, etc) does the household <b>currently</b> have on [PLOT]? [ENTER NUMBER]	How many trees have you planted on [PLOT] within the past 2 years? [ENTER NUMBER]	How many trees have you removed from [PLOT] <u>last year</u> ? [ENTER NUMBER]	on [PLOT]?	are you soil ero	pes of me using to sion on [P UP TO TH	control PLOT]?
[COPY PARCEL NUMBER FROM AGRICULTURAL MODULE. REPEAT PARCEL NUMBER IF	[FOR EACH PARCEL, WRITE THE NUMBER OF	[WRITE PLOT NUMBERI				organic inputs 7 Other 8 None ▶ F14a	Quantity	Unit [SEE PAGE CODE]	Quantity	Unit price in GHC					2 Fanya 3 Other 4 Grass (e.g. vetion 5 Draina 6 Trash	terrace strips/bar ver grass) age/ditche lines ng trees ag ur bands er ridges	rriers
THERE ARE MULTIPLE PLOTS ON THE PARCEL]	PLOTS]	,	Quantity	Unit [SEE PAGE CODE]	Total value				[WRITE 0 IF IT WAS ALL GENERATE D ON-FARM AND ►F14a]	[IF OTHER ORGANIC INPUT IS OBTAINED FOR FREE OR IS COLLECTED WRITE 0]	[WRITE 0 IF NONE]	[WRITE 0 IF NONE]	[WRITE 0 IF NONE]	4.7/	12 Box ri 13 Mulch 14 Other 15 None	dges	
F1a	F1b	F2	F11a	F11b	F11c	F12	F13a	F13b	F13c	F13d	F14a	F14b	F14c	F15	F16a	F16b	F16c
				_								_					
						_				•							

<sup>\*</sup> Leguminous trees are ones that add nitrog

#### Quantity unit codes\*

Code	Unit						
01	Kilogram						
02	Gram						
03	Liter						
04	Unit or Piece						
05	Cane/Basket						
06	Bucket						
07	120 kg maxibag						
80	100 kg maxibag						
09	50kg minibag						
10	Ox-cart						
11	Trailer						
12	Lorry						
13	Headload						
14	Bunch						
15	Bale						
16	Sachet/tube						
17	Plate						
18	Cup						
19	Неар						
20	Bowl						
21	Other						
	Area unit codes*						
Code	Unit						
01	Acre						
02	Hectare						
03	Meter squared (M2)						
04	Football field						
05	Other						

#### Cereals

11	Maize						
12	Wheat						
13	Pearl millet						
14	Sorghum						
15	Finger millet						
16	Rice						
19	Other cereals						
Puls	ses and nuts						
21	Bean						
22	Soybean						
23	Pigeonpea						
24	Chickpea						
25	Cowpea						
26	Peas						
27	Groundnut						
28	Bambara nuts						
29	Other pulses, nuts						
٧	egetables						
31	Cabbage						
32	Tomatoes						
33	Okra						
34	Amaranthus						
35	Red pepper						
36	Green pepper						
37	Garden Eggs						
38	Ayoyo						
39	Bitter Leaves						
40	Carrots						
41	Watermelon						
49	Other vegetables						

#### Root and tuber crops

51	Onion						
52	Irish potato						
53	Sweet potato						
54	Garlic						
55	Cassava						
56	Ginger						
57	Yam						
59	Other roots, tubers						
Per	ennial crops						
61	Avocado						
62	Banana						
63	Mango						
64	Orange						
65	Pawpaw/Papaya						
66	Dawadawa						
67	Oil palm						
68	Sugar cane						
69	Other perennial						
C	ther crops						
71	Cotton						
72	Baobab						
73	Tobacco						
74	Shea Nut						
79	Other crops						
Ot	her land use						
81	Fallow						
82	Pasture/grazing						
83	Planted fodder						
84	Planted trees						
85	Natural trees						
89	Other uses						

#### Maize variety

110	Obaatampa						
111	Okomasa						
112	Mamaba						
113	Dadaba						
114	Abelehi						
115	Omankwa						
116	Enii-Pibi						
117	PANA\Hybrid						
118	ETUBI\Hybrid						
119	Aburohemaa						
1101	Abrotia						
1102	Golden Jubilee						
1199	Other maize variety						
Rice variety							
160	Marhal Perfume						
161	Bouake 189						
162	ITA 320						
163	ITA 324						
164	Togo Marshal						
165	Jasmine 85						
166	Torks						
169	Other rice variety						
Soyabean va	riety						
220	Enidaso						
221	Jenguma						
222	Soung-Pun						
223	Sonda						
224	Afayak						
225	Salintuya 1						
226	Songotra						
227	Quarshie						
229	Other bean variety						

#### Cowpeas variety

250	70014150						
250	Zaayura						
251	Paditua						
252	Apagbaala						
259	Others						
Groundnut	variety						
270	Chinese						
279	Other groundnut variety						
Tomato va	riety						
320	Roma						
321	Manglo						
329	Other tomato variety						
Cassava Variety							
550	Sweet						
551	Bitter						
552	Ampong						
553	Bankye Broni						
554	Sika Bankye						
555	Otuhia						
559	Other cassava variety						
Cotton Var	iety						
710	Stamp						
711	FK37						
719	Other cassava variety						
Sweet Pota							
430	Red						
431	White						
439	Other sweet potato variety						

#### **SECTION G1. CROP PRODUCTION**

ENUMERATOR: FIRST ASK WHICH CROPS WERE GROWN BY THE HOUSEHOLD ON EACH PARCEL AND EACH PLOT THEN ASK G1\_5A-G1\_9. NOTE THAT INFORMATION TO BE COLLECTED IN THIS MODULE IS AT PARCEL-PLOT-CROP LEVEL FOR THE LAST COMPLETED CROPPING SEASON.

						LAST COMPLETED	CROPPI	NG SEASON			
Parcel number	Plot number [NUMBER WITHIN PARCEL]	What crop was planted on this plot?	STOP AND COMPLET E THE G CROP FLAP	planted w	as the area vith [CROP] is plot?	What was the % of area planted with [CROP] on this plot? [PLAY THE "50 BEANS GAME" ONLY FOR MULTIPLE CROPS IN A PLOT. WRITE 100 IF SINGLE CROP PER PLOT]	was har	uch [CROP] vested from [PLOT]?	Which family member had main responsibility for farming this [PLOT]?		What is the main reason for the difference in yield between [LAST COMPLETED CROPPING SEASON] and the same farming season in a normal year?
[COPY PARCEL ID NUMBER FROM MODULE "E LAND" AND REPEAT PARCEL NUMBER IF THERE ARE MULTIPLE PLOTS ON PARCEL]	[REPEAT PLOT NUMBER IF THERE ARE MULTIPLE CROPS ON PLOT]	CROP CODE [SEE ABOVE]			Area unit 1 Acre 2 Hectare 3 M² 4 Football field 5 Other	[ ENTER THE % OF AREA PLANTED (MULTIPLY THE NUMBER OF BEANS BY 2) FOR EACH CROP IN AN INTERCROPPED PLOT]	Quantity	CODE]	1 Head 2 Spouse of head 3 Both head and spouse 4 Other	5 Much lower 6 Don't know►NEXT LINE	1 Good rainfall 2 Bad rain fall 3 Fertilizer use 4 Improved seed use 5 Use of chemicals (e.g., insecticides, weed killers) 6 Soil degradation 7 Pests or disease 8 Multiple reasons 9 Other
G1_1	G1_2	G1_3		G1_4a	G1_4b	G1_5	G1_6a	G1_6b	G1_7	G1_8	G1_9
						%					
						%					
						%					
						%					
						%					
						%					
						%					
						%					
						%					
						%					
						70					

Note: For mixed cropping or more than one crop in a plot, record plot number in more than one row and each crop in a separate row.

#### SECTION G2. CROP INPUTS (COSTS)

ENUMERATOR: COMPLETE G2\_2a TO G2\_7 FOR EACH CULTIVATED CROP IN THE LAST COMPLETED CROPPING SEASON.

	[WRITE 0	IF NO SAV	evious harvest (ED SEED (OT KNOWN)	barter. IF NO I	FREE/BA AND	[WRITE 0 RTER SEED	traditi [W TRADI	onal seed purchase RITE 0 IF	that was d. NO	[WRITE	purchase	ed.		other non- labor expenses (e.g., crop residues, off-farm
CROP FLAP]				seed obtained for free or in barter. [WRITE 0 IF NO FREE/BARTER SEED AND -99 IF VALUE IS NOT KNOWN]			INPUT TYPEtraditional seed that was purchased. [WRITE 0 IF NO TRADITIONAL SEED IS PURCHASED AND -99 IF VALUE IS NOT KNOWN]			improved seed that was purchased. [WRITE 0 IF NO IMPROVED SEED IS PURCHASED AND -99 IF VALUE IS NOT KNOWN]			NO PESTICIDES/H ERBICIDES AND -99 IF VALUE IS NOT KNOWN]	manure, animal or equipments rental cost) [WRITE 0 IF NO OTHER NON-LABOR EXPENSES AND -99 IF VALUE IS NOT KNOWN]
(	Quantity	Unit [SEE PAGE CODE]	Estimated value	Quantity	Unit [SEE PAGE	Estimated value	Quantity	Unit [SEE PAGE	Value in GHC	Quantity	Unit [SEE PAGE	Value in GHC	Value in GHC	Value in GHC
G2_1 G	G2_2a	G2_2b	G2_2c	G2_3a	G2 3b		G2 4a	CODE]	G2 4c	G2_5a	G2_5b	G2_5c	G2_6	G2_7
	_	_		_	_	_	_		_		_	_		
											_			

<sup>\*</sup>Basal application refers to an application of fertilizer near the base of the stems.

Note: Person-days are calculated as the number of workers times the number of days they worked. For example, if 5 people work for 3 days and 2 people continue for 6 more days, the total number of persondays is 5x3 + 2x6 = 27.

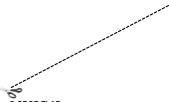
Number of

			days worked		
	Number of		by each		
	workers		worker		Person-days
land preparation -male		X		=	
land preparation -female		X		=	
planting -male		X		=	
planting -female		X		=	
fertilizing -male		X		=	
fertilizing -female		Х		=	
weeding -male		X		=	
weeding -female		X		=	
harvesting -male		Х		=	
harvesting- female		X		=	
other -male		X		=	
other- female		X		=	

#### SECTION G3. CROP INPUTS (LABOR)

ENUMERATOR: COMPLETE G3\_2\_1m TO G3\_7b FOR EACH CULTIVATED CROP. WRITE 0 IF NO LABOR IS USED FOR [ACTIVITY] FOR [CROP]

CROP CODE	For the [0	CROP] grown	in [LAST CON	MPLETED CR	[CF [AGRICULTURAL ACTIVITY] [ROWN many person-days of FAMILY, HIRED AND EXCHANGE LABOR were used on								[CROP] was family labor?	[CROP] was exchange labor?	[CROP] was hired labor?	Which percentage of labor for [CROP] was from females?	wage paid to for [C [WRITE E	average daily hired laborer ROP]? STIMATED AID IN-KIND]				
[COPY CROP CODES	land pre (including h ridg		plar	nting	fertil	izing	wee	ding	harve	esting	(i.e., spraying for pesticides, herbicides, weedicides)		(i.e., spraying for pesticides, herbicides, weedicides)		(i.e., spraying for pesticides, herbicides, A 4		(~75%) 3. About half (~50%) 4. Some (~25%)	LINE 2. Most (~75%) 3. About half (~50%) 4. Some (~25%)	Most (~75%)	4. Some (~25%)	Male	Female
FROM CROP FLAP]	Person-days (Male)	Person-days (Female)	Person-days (Male)	Person-days (Female)	Person-days (Male)	Person-days (Female)	Person-days (Male)	Person-days (Female)	Person-days (Male)	Person-days (Female)	Person-days (Male)		5. None (0%)	5. None (0%)	LINE		GHC per day	GHC per day				
G3_1	G3_2_1m	G3_2_1f	G3_2_2m	G3_2_2f	G3_2_3m	G3_2_3f	G3_2_4m	G3_2_4f	G3_2_5m	G3_2_5f	G3_2_6m	G3_2_6f	G3_3	G3_4	G3_5	G3_6	G3_7a	G3_7b				
<u> </u>																						
		_									_	_										



G CROP FL	A1	
PARCEL NUMBER	PLOT NUMBER	CROP CODES
[COPY PARCEL NUMBERS FROM G1]	[COPY PLOT NUMBERS FROM G1]	[COPY CROP CODES FROM G1]

#### ENUMERATOR: ASK G4\_3 TO G4\_10b FOR EACH CROP GROWN BY THE HOUSEHOLD.

					LAST	COMPLETED	CROPPING	SEASC	N					
		Did your	How much of	ASK	THESE QUESTIC	NS ONLY IF G	4_4=2, 3 OI	R 4 (I.E. I	IF USED	SEED I	S <u>NOT</u> I	FROM C	WN HARVES	ST)
CROP NAME	CROP CODE	household grow [CROP]? 1 Yes 2 No ▶ NEXT LINE	the seed you used was saved from previous harvest? 1 All ►NEXT LINE 2 Small amount 3 Large amount 4 None	Where did you obtain the seed that was not saved from previous harvest? 1 Farmer 2 Grain trader	How did you pay for this seed? 1 Free 2 Cash 3 Credit 4 Subsidy 5 Labor exchange 6 A combination	How many minutes does it take to get to this supplier using the usual mode of transport? (one way in minutes) [WRITE - 99 if G4_5 = 9]	What was main var seed u ho [LIST UPT VARIETIE	the naministry of [Coursed by you sehold?  TO THRE S, AND WAME OF S	e of the CROP] Your E MAIN WRITE - SEED	Did you problem variety? [LIST L MAIN F 1 Need 2 Low o 3 Poor 4 Poor 5 Too o 6 Can't 7 Vulner drough Vulner 9 Poor 10 She 11 Poo	Inhave a ns with to a ns with the angle of t	his HREE EMS] 8 ooding	What are the important chat the [CR0 variety shoul 1 Grain yield 2 Grain size 3 Disease/peresistance 4 Drought tol 5 Flood tolers 6 Low labor 17 Low input 18 Ease of programmer 10 Good tast 11 Good cold 12 Fodder quant 13 Other	e two most aracteristics DP] seed d have?  est  lerance ance needs needs ocessing mand te or
							1st	2nd	3rd	1st	2nd	3rd	1st	2nd
G4_1	G4_2	G4_3	G4_4	G4_5	G4_6	G4_7	G4_8a	G4_8b		G4_9a			G4_10a	G4_10b
Maize	11	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat	11 12	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet	11 12 13	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum	11 12 13 14	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet	11 12 13 14 15	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice	11 12 13 14 15	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean	11 12 13 14 15 16 21	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice	11 12 13 14 15 16 21 22	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean	11 12 13 14 15 16 21 22 23 24	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea	11 12 13 14 15 16 21 22 23 24 25	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas	11 12 13 14 15 16 21 22 23 24 25 26	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut	11 12 13 14 15 16 21 22 23 24 25 26 27	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts	11 12 13 14 15 16 21 22 23 24 25 26 27 28	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Cabbage	11 12 13 14 15 16 21 22 23 24 25 26 27 28 31	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Cabbage Tomatoes	11 12 13 14 15 16 21 22 23 24 25 26 27 28 31 32	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Cabbage Tomatoes Red pepper	11 12 13 14 15 16 21 22 23 24 25 26 27 28 31 32 35	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Cabbage Tomatoes Red pepper Green pepper	11 12 13 14 15 16 21 22 23 24 25 26 27 28 31 32 35 36	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Cabbage Tomatoes Red pepper Green pepper Onion	11 12 13 14 15 16 21 22 23 24 25 26 27 28 31 32 35 36 51	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Cabbage Tomatoes Red pepper Green pepper Onion Irish potato	11 12 13 14 15 16 21 22 23 24 25 26 27 28 31 32 35 36 51 52	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Cabbage Tomatoes Red pepper Green pepper Onion Irish potato Sweet potato	11 12 13 14 15 16 21 22 23 24 25 26 27 28 31 32 35 36 51 52 53	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Cabbage Tomatoes Red pepper Green pepper Onion Irish potato Sweet potato Cassava	11 12 13 14 15 16 21 22 23 24 25 26 27 28 31 32 35 36 51 52 53 55	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	
Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Cabbage Tomatoes Red pepper Green pepper Onion Irish potato Sweet potato	11 12 13 14 15 16 21 22 23 24 25 26 27 28 31 32 35 36 51 52 53	G4_3	G4_4	G4_5	G4_6	G4_7							G4_10a	

#### **SECTION H. CROP SALES - QUANTITIES**

#### ENUMERATOR: THIS TABLE IS AT THE CROP LEVEL, NOT PLOT LEVEL, FOR LAST COMPLETED CROPPING SEASON

What crops were grown during [LAST COMPLETED CROPING SEASON]? [COPY CROP CODES FROM MODULE G1 CROP CODE]	incur before the harvest?  ED  OP  G1  DE]			What is the reason of the crop <u>failure</u> ?	How much [ without stove harvested] [LAST COMP CROPP SEASO]	ver was during PLETED NG	How much [CROP] harvestee [LAS COMPLI CROPF SEASO	was Iduring T ETED PING	How much (including si <u>ani</u>		s used for	as <u>cro</u> p		on the field <u>(but not</u> ?	[LAST CO		ed for seed CROPPING ?	
	Quantity Unit Estimated value WRITE 0 IF NO Unit CROP ISEE			1 Drought/little rain 2 Excessive rains/floods 3 Pests/diseases 4 Late planting 5 Poor quality soil 6 Multiple reasons 7 Other	Quantity [WRITE 0 IF NO HARVEST WITHOUT STOVER AND ► H5a]	Unit [SEE CODE PAGE]	Quantity [WRITE 0 IF NO HARVEST OF STOVER AND ► H6a]	Unit [SEE CODE PAGE]	Quantity [WRITE 0 IF NOT USED FOR ANIMAL FEED AND ► H7a	Unit [SEE CODE PAGE]	Estimated Value (GHC)	Quantity [WRITE 0 IF NO CROP RESIDU EAND ► H8a	Unit [SEE CODE PAGE]	Estimated Value (GHC)	Quantity [WRITE 0 IF SEED IS NOT SAVED ► H9a	Unit [SEE CODE PAGE]	Estimated Value (GHC)	
H1	H2a	H2b	H2c	H2d	Н3	H4a	H4b	Н5а	H5b	Н6а	H6b	Н6с	Н7а	H7b	Н7с	H8a	H8b	H8c
				% %														
				%														
				%														
				% %														
				%														
				% %														

#### ENUMERATOR: THIS TABLE IS AT THE CROP LEVEL, NOT PLOT LEVEL, FOR LAST COMPLETED CROPPING SEASON

What crops were grown during [LAST COMPLETED CROPING SEASON]? [COPY CROP CODES FROM MODULE G1 CROP CODE]	How much and exch consump		cept own	How much of the harvest was used for <u>own</u> <u>consumption</u> ?		How muc total harv used fo purpose burned a residue, n building n used as f	vest was r other es (e.g., as crop nulching, material,	How muc harvest w		What unit pr you receive selling this [C	when	Who in the household has the main responsibility for making sales-related decision on [CROP]? (e.g.,timing, amount, location)	What was the main place where this [CROP] was sold?	does it take you to go from your house to get to the main place where the [CROP] was sold (in minutes using the usual	<u>main</u> buyer of [CROP]?	Did the buyer contract you to grow [CROP]?
	Quantity [WRITE 0 IF NO GIFT/EXCH ANGE ► H10a	Unit [SEE CODE PAGE]		Quantity [WRITE 0 IF NO OWN CONSU PTION H11a	Unit [SEE CODE PAGE]	Quantity [WRITE 0 IF NO OTHER USE ► H12a	Unit [SEE CODE PAGE]	Quantity [WRITE 0 IF NO SALE AND ► NEXT LINE]	Unit [SEE CODE PAGE]	GHC per quantity unit	[SEE CODE	1 Head 2 Spouse of head 3 Both head and spouse 4 Other	1 On farm or home ► H17 2 Local market 3 Regulated market 4 Roadside 5 Cooperative 6 Processor 7 Other	TIME ONE WAY ONLY	1 Farmer or consumer 2 Trader 3 Processor 4 Cooperative 5 Government 6 Other	1 Yes 2 No
H1	Н9а	H9b	Н9с	H10a	H10b	H11a	H11b	H12a	H12b	H13a	H13b	H14	H15	H16	H17	H18

#### **SECTION I. CROP STORAGE**

		Did you have any	What is the t	total quantity of	What type of storage facility	How much of the	What was/is	Which method do you use	Do you know if Aflatoxin
		[CROP] in storage one	[CROP] th	at you had in	did you use to store [CROP]?	[CROP] you	the main		can affect [CROP]
		month after [THE		er [THE LAST	,		cause of these		negatively?
		LAST COMPLETED		D CROPPING		before you could	losses of		[AŠK AT HOUSEHOLD
		CROPPING		l's] harvest,		sell or consume	[CROP]?		LEVEL]
		SEASON's] harvest?		rop corpuses		it?	[0.10.1]		,
		02/100/10]/10/100/1		over)?					
			1010	, , , , , , , , , , , , , , , , , , ,					
CROP CODE	CROP NAME	1 Yes 2 No ▶ NEXT LINE	Quantity	Unit [SEE CODE PAGE]	1 Granary 2 Community warehouse 3 Pit in ground 4 Drums 5 Cribs 6 Sacks/bags 7 Roof 8 Raised open platforms 9 Raised roofed platforms 10 Open ground-covered 11 Open ground-uncovered 12 Underground 13 Commercial storage 14 Multiple methods 15 Other	Percent [WRITE 0 IF NONE AND ► 18]	1 Rodents 2 Insects 3 Mold 4 Theft 5 Harvested too early 6 Multiple reasons 7 Other	drying 6 Dry at commercial facility 7 Not applicable	1 Yes 2 No 3 Never heard of Aflatoxin/don't know
I1	12	13	I4a	I4b	15	16	17	18	19
11	I2 Maize	13	I4a	I4b	15	%	17	18	19
11 12	Maize Wheat	13	I4a	I4b	I5	% %	17	18	19
11 12 13	Maize Wheat Pearl millet	13	I4a	I4b	15	% % %	17	18	19
11 12 13 14	Maize Wheat Pearl millet Sorghum	13	I4a	I4b	15	% % %	17	18	19
11 12 13 14 15	Maize Wheat Pearl millet Sorghum Finger millet	13	I4a	I4b	I5	% % % %	17	18	19
11 12 13 14 15 16	Maize Wheat Pearl millet Sorghum Finger millet Rice	13	I4a	I4b	I5	% % % % %	17	18	19
11 12 13 14 15 16 21	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean	13	I4a	I4b	I5	% % % % % % % % % %	17	18	19
11 12 13 14 15 16 21 22	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean	13	I4a	I4b	15	% % % % % % % % % % % %	17	18	19
11 12 13 14 15 16 21 22 23	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea	13	I4a	I4b	15	% % % % % % % % % % % % %		18	19
11 12 13 14 15 16 21 22 23 24	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas	13	I4a	I4b	15	% % % % % % % % % % % % % % %		18	19
11 12 13 14 15 16 21 22 23 24 25	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas	13	I4a	I4b	15	% % % % % % % % % % % % % % % % % %		18	19
11 12 13 14 15 16 21 22 23 24 25 26	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas	13	I4a	I4b	15	% % % % % % % % % % % % % % % % % % %		18	19
11 12 13 14 15 16 21 22 23 24 25 26 27	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut	13	I4a	I4b	15	% % % % % % % % % % % % % % % % % % %		18	19
11 12 13 14 15 16 21 22 23 24 25 26 27 28	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts	13	I4a	I4b	15	% % % % % % % % % % % % % % % % % % %		18	19
11 12 13 14 15 16 21 22 23 24 25 26 27 28 52	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Irish Potato	13	I4a	I4b	15	% % % % % % % % % % % % % % % % % % %		18	19
11 12 13 14 15 16 21 22 23 24 25 26 27 28 52	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Irish Potato Sweet potato	13	I4a	I4b	15	% % % % % % % % % % % % % % % % % % %		18	19
11 12 13 14 15 16 21 22 23 24 25 26 27 28 52 53	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Irish Potato Sweet potato Cassava	13	I4a	I4b	15	% % % % % % % % % % % % % % % % % % %		18	19
11 12 13 14 15 16 21 22 23 24 25 26 27 28 52 53	Maize Wheat Pearl millet Sorghum Finger millet Rice Bean Soyabean Pigeonpea Chick-peas Cow-peas Peas Groundnut Bambara nuts Irish Potato Sweet potato	13	14a	I4b	15	% % % % % % % % % % % % % % % % % % %		18	19

#### SECTION J1. LIVESTOCK OWNERSHIP

#### ASK THE HOUSEHOLD HEAD OR OTHER KNOWLEDGEABLE MEMBER

										Ove	r the past	12 months.			
CODE		DOES NOT HAVE ANY OF THE ANIMAL TYPES LISTED ►END	2.Intensive/Ca ging only 3. Mixed	of the [ANIMAL TYPE]?	[ANIMAL TYPE] does your household	What is the estimated total value of all [ANIMAL TYPE] your household currently own?	how many [ANIMAL TYPE] have been slaughtered to be consumed In the household?	how many [ANIMAL TYPE] were <u>born</u> ?	how many [ANIMAL TYPE] were bought?	[ANIMAL	how many [ANIMAL TYPE] did you lose due to illness?		on average, how much was the <u>unit price</u> of each of [ANIMAL TYPE] (or carcasses) sold?	how much have total from the [ACTIVI]	following 「Y]?
14.4	J1 2	OF FIRST VISIT	14 4	J1 5	Number	GHC total	Number	Number	Number	Number	Number J1 12	Number	GHC per animal	Activity	GHC total
J1_1		J1_3	J1_4	J1_5	J1_6	J1_7	J1_8	J1_9	J1_10	J1_11	J1_12	J1_13	J1_14	J1_15a	J1_15b
	Draught cattle													Rental/Cart	
	Bulls -local-													Rental/Cart	
	Bulls -improved-													Rental/Cart	
	Fattening cattle -local-													Meat products	
	Fattening cattle -improved-													Meat products	
	Cows -local-													Dairy products	
	Cows -improved-													Dairy products	
	Heifers -local-														
	Heifers -improved-														
	Calves -local-														
	Calves -improved-													Dantal/Cart	
	Horse/donkey/mule Goats -local-													Rental/Cart Goat milk	$\vdash$
	Goats -local- Goats -improved-													Goat milk Goat milk	$\vdash$
	Sheep													Wool/skins/milk	$\vdash$
	Pigs -local-													WOOI/SKIIIS/IIIIK	
	Pigs -iocal-														
	Chickens													Egg sales	
	Fish													Lyy sales	
	Other livestock														
	Honey bees*				*	*						*	*	Honey/Wax sales	
120	* Note: For honey bees, record numb	ar of conversed bives (not been)	- 14 C 14 O 14 4O	Id. 40. tetal calca a	l biogo in 14 7:		inn in 14 44							i ioney/wax sales	

<sup>\*</sup> Note: For honey bees, record number of occupied hives (not bees) in J1\_6, J1\_8, J1\_10, J1\_13; total value of hices in J1\_7; and value per hice in J1\_14.

### SECTION J2. LIVESTOCK FEED ASK THE HOUSEHOLD HEAD OR OTHER KNOWLEDGEABLE MEMBER

						Over the last 12 months  nuch labor time fromwhich percentage ofwhat was thewhich of the following feed forhow much												
		have members of your household raised or produced [ANIMAL CATEGORY]?	how much I did <u>your house</u> on [ANII CATEGO	<u>hold</u> spend MAL	how much la hired workers [ANIMAL CA		which percentage of the hired labor was females?	what was the source of feed for [ANIMAL CATEGORY]?	which o		have you	how much did you pay for feed for [ANIMAL CATEGORY ]?		MATE GHC PE	ave ER UNIT IF	rage?	ave you used <b>g</b> S NOT PURCH (SED)	
COD	ANIMAL CATEGORY		[WRITE 0 IF NO HIOUSEHOLD LABOR]	number of days	[WRITE 0 IF NO HIRED LABOR ► J2_6]	number of days	1 All (100%) 2 Most (~75%) 3 About half (~50%) 4 Some (~25%) 5 None (0%)	1 Off farm (purchased) 2 Off-farm (non- purchased) 3 On-farm 4 Multiple sources	4 Grazing/op 5 Concentrat	ges en air ► J2_		[WRITE 0 IF THERE WAS NO PURCHASE OF FEED]	Rainy se	ason (April-No	ovember)	Dry sea	ason (Decemb	er-May)
		1. Yes 2. No ►NEXT LINE	hours per day	days	hours per day	days	%		1st	2nd	3rd	GHC	Quantity per day	Unit [SEE CODE PAGE]	GHC per unit	Quantity per day	Unit [SEE CODE PAGE]	GHC per unit
ID	J2_1	J2_2	J2_3a	J2_3b	J2_4a	J2_4b	J2_5	J2_6	J2_7a	J2_7b	J2_7c	J2_8	J2_9a	J2_9b	J2_9c	J2_10a	J2_10b	J2_10c
81	Large ruminants (cattle)																	
82	Equines (e.g., horses, donkeys, and mule)																	
83	Small ruminants (e.g. sheep, goats)																	
84	Chickens and poultry	•														•	·	
85	Pigs																	

								12 months				
		how frequently		ich <u>manure</u>	where did	for how	which was the		how much	did	how many days	when [ANIMAL TYPE]
		did your		MAL TYPE]		many weeks				[ANIMAL	did [ANIMAL	grazed off farm, on
		household face				have you		in total from	spent in total on costs for	TYPE] receive	TYPE] graze off	average for how many
		shortage of				stored		manure sales by [ANIMAL	[ANIMAL	supplemental	farm?	hours did the [AMINAL
		drinking water for [ANIMAL TYPE]?	COI	llect?		manure coming from		TYPE]?	TYPE] such as	feeds?	[ · · · · · · = • · ·	TRYPE] graze? [MAXIMUM VALUE
		[ANIIVIAL I TPE]?				[ANIMAL			veterinary	leeus?	[ANIMAL TYPE] DID NOT GRAZE	SHOULD BE 24
						TYPE]?		SALE OF	supplies,		OFF FARM ▶	HOURS]
						= ] .			taxes, and		NEXT LINE	ricortoj
								99 IF DON'T	hired labor?			
								KNOW]				
CODE	ANIMAL CATEGORY											
							1 Recycled in the field					
		1 Always			1 Stored open		2 Sold					
		2 Often		0 IF NO	2 Roofed 3 Sealed		3 Source of			1 Yes		
		3 Sometimes 4 Rarely		RE WAS	4.045		energy			2 No		
		5 Never	COLLECT	ED ► J2_17]	5 No storage ►		4 Plastering			2110		
					J2_15		5 Multiple uses 6 Other					
							7 None					
			Quantity	Unit [SEE CODE		total weeks		GHC total	GHC total		total days	hours per day
				PAGE]								
ID	J2_1	J2_11	J2_12a	J2_12b	J2_13	J2_14	J2_15	J2_16	J2_17	J2_18	J2_19	J2_20
81	Large ruminants (cattle)											
82	Equines (e.g., horses, donkeys,											
J2	and mule)											
83	Small ruminants (e.g. sheep, goats)											
84	Chickens and poultry											
	Pigs											
00	riyə											

#### ENUMERATOR: PLEASE THANK THE RESPONDENT AND SET UP DATE AND TIME FOR NEXT VISIT

#### CHECKLIST

- G1\_6. HAVE YOU DONE THE "50 BEANS GAME" TO CALCULATE INTERCROPPED AREA? QUESTION G1\_6 IN CROP PRODUCTION SECTION G1
  - 1 Yes
  - 2 No
  - 3 Household does not have intercropped plots
- E18. IS THIS HOUSEHOLD AMONG SUB SAMPLE OF HOUSEHOLDS CHOSEN FOR COLLECTION OF LAND AREA MEASUREMENT? QUESTION E18 IN E LAND SECTION
  - 1 YES [IF YES, PLEASE GATHER LAND AREA MEASUREMENT BY GOING TO THE PARCEL CLOSEST TO THE HOMESTEAD]
    2 No

	END	TIME							
A10c		•							
	HOUR MIN								

#### SECTION K. INTERACTION WITH AGRICULTURAL EXTENSION AGENTS AND AFRICA RISING

4 Farmer's group

THE HEAD OF THE HOUSEHOLD OR OTH	ER KNOWLEDGEABLE MEMB	ER	
	advice/information on vegetable gardens, crops,	important sources you would prefer to	During the last cropping season, how often did [SOURCE] have interaction with you to exchange advice on farming/raising livestock?
	1		1 At least once a week
0 1	J		2 Not weekly but at least once a month
Source Name	months?		3 Not every month but at least
		1 Yes, 1st most important	once during the cropping season
	1 Ves	2 Yes, 2nd most important	4 Just once
		3 Yes, 3rd most important	5 Never
	Z NO P NEXT EINE	4 Not among the three important	6 Other
		sources	
K1	K2	K3	K4
Friend/neighbor			
Other farmer			
	Source Name	Have you received advice/information on vegetable gardens, crops, livestock, or soil and natural resource management from [SOURCE] in the last 12 months?  1 Yes 2 No ▶ NEXT LINE  K1 K2  Friend/neighbor  Model farmer	advice/information on vegetable gardens, crops, livestock, or soil and natural resource management from [SOURCE] in the last 12 months?  1 Yes, 1st most important 2 Yes, 2nd most important 2 Yes, 2nd most important 3 Yes, 3rd most important 4 Not among the three important sources  K1 K2 K3  Friend/neighbor  Model farmer

5	Agricultural development/ extension agent				
					-
K5	How far is your local Farmer Training Center (one way in minutes) using the usual mode of transport?  [WRITE -98 IF DO NOT KNOW IF THERE IS ONE ►K7]  [WRITE -99 IF DO NOT KNOW THE DISTANCE]  min	K14	Are you/your household satisfied with quantity, quality and timeliness of extension and input supply services?  1 Yes 2 No		
K6	Have you ever participated in the activities of your Farmer Training Center?				
	1 Yes 2 No	K15	Have you heard of Africa RISING program? 1 Yes 2 No ▶ GO TO OTHER INCOME MODULE L		
K7	Think of the agricultural extension/development agent you interact with the most. How long have you known that agent?	K16	Have you ever participated in any activity as part of/organized by Africa RISING program?		
	[WRITE NUMBER OF YEARS, PUT 0.5 IF LESS THAN 1]		1 Yes		
	[WRITE -99 IF DON'T KNOW ANY AGENT] years	F1/4=7	2 No ►K19	<u> </u>	
		[K17]	Which Africa RISING-related activity did you get involved in? [LIST UP TO THREE]  1 Community meetings 2 Trainings	1st 2nd	K17a K17b K17c
K8	Have you tried any new agricultural technologies/management practices		3 On-farm experimentation of new or improved agricultural technology	3rd	K1/C
	during the last farming season? 1 Yes 2 No ►K10		4 Demonstration field days 5 Other		
K9	Have these been new activities your agent has demonstrated to you?  1 Yes	K18	Do you plan to continue participating in Africa RISING activities in the next planting season (Ma	AY 2014	
	2 No		DEC 2014)?  1 Yes ► GO TO OTHER INCOME MODULE L		
K10	Are you a member of your community's farmer research group?	-	2 No		
	1 Yes	[K19]	What are your reasons for not participating in Africa RISING activities? [LIST UP TO THREE]		
	[WRITE -99 IF NOT APPLICABLE]		1 Not relevant to my activities	1st	K19a
K11	Have you ever used a new technology that you have seen at your research		2 Technology not appropriate	2nd	K19b
	group activity or field day?		3 Too expensive	3rd	K19c
	1 Yes 2 No		4 Too risky		
	WRITE -99 IF NOT APPLICABLE]		5 Prefer to be on my own 6 Not enough information		
K12	Have you/your household ever participated in any group that focuses on the	_	7 No time		
	conservation of natural resources?		8 I was turned down		
	1 Yes		9 Other		
	2 No				
K13	Do you/your household currently participate in any social organization?				
	1 Yes				
	2 No				

### SECTION L. OTHER INCOME ASK THE HEAD OF THE HOUSEHOLD OR OTHER KNOWLEDGEABLE MEMBER

OTHER INCOME ACTIVITY	OTHER INCOME ACTIVITY NAME	In the past 12 months, have members of your household received any income from [ACTIVITY]?	Who in the household is mainly responsible for [ACTIVITY]?	How many months <u>out of the</u> <u>past 12 months</u> did members of this household receive income from [ACTIVITY]?	For each of these months that your household earned income from [ACTIVITY], how much <b>MONTHLY INCOME</b> , on average, did your household make?	How important was [ACTIVITY] to meeting household expenses?
CODE		1 Yes 2 No ▶ NEXT LINE	<ol> <li>Head</li> <li>Spouse of head</li> <li>Both head and spouse</li> <li>Other</li> </ol>	Months	GHC per month	Very important     Important     Somehow important     Not very important
ID	L1	L2	L3	L4	L5	L6
100	Family/Household non-farm enterprise income					
101	Firewood & other forest products (excluding charcoal)					
102	Sale of charcoal					
103	Sale of wild foods/bushmeat					
104	Grain milling					
105	Local beer brewing & malting					
106	Other agricultural processing business* (e.g., packaging)					
107	Pension					
108	Remittances from family members or friends					
109	Other assistance					
110	Property non-farm rental incomes (e.g., houses, tractors)					

<sup>\* &</sup>quot;Agricultural processing" includes processing of crops grown on farm and processed for sale

#### **SECTION M. CREDIT**

#### ENUMERATOR: ASK THE HOUSEHOLD HEAD OR OTHER KNOWLEDGEABLE MEMBER

M1	During the last 12 months, did anyone in this household apply for credit or ask for a loan of at least 50 GHC?	1 Yes 2 No ►M3	
M2	During the last 12 months, did the household receive a loan?	1 Yes 2 No	
М3	During the last 12 months, did the household receive any crop inputs or agricultural equipment on credit?  1 Yes 2 No ►HOUSING MODULE N	1	

#### ENUMERATOR: FOR EACH CROP INPUT OR EQUIPMENT RECEIVED ON CREDIT, FILL IN ONE LINE

		Did the household obtain [INPUT TYPE] on credit during the last 12 months?	Who offered the hosehold INPUT TYPE] on credit?	What was the value of [INPUT TYPE]?	How much time is the credit for this [INPUT TYPE] for?
INPUT CODE	UT INPUT TYPE 1 Yes DE NAME 2 No▶NEXT LINE		1 Input supplier 2 Trader 3 Processor 4 Cooperative 5 Farmer 6 Min of Agric. 7 NGO 8 Multiple sources 9 Other	GHC	Months
ID	M4	M5	M6	M7	M8
1	Seed				
2	Fertilizer				
3	Pesticides*				
4	Farm machinery				
5	Animals				
6	Other input				

<sup>\*</sup> It includes insecticides, herbicides, fungicides, etc.

#### SECTION N. HOUSING AND ASSETS

ASK THE HEAD OF THE H	OUSEHOLD OR OTHER K	NOWLEDGEA	BLE MEMBER		
What is the <u>main</u> material use	d for the outer walls of the house	e?	What is the main type	e of toilet used by your househ	nold?
Mud/mud brick/clay     Wood/bamboo     Stone/burned bricks	4 Cement/sandcrete bloc 5 Thatch/cardboard 6 Corrugated metal 7 Other	N1		4 Shared latrine 5 Bush or field 6 Other	N8
What is the <u>main</u> material use 1 Earth/mud/mud brick 2 Wood 3 Stone	d for the floor in your house?  4 Cement/concrete  5 Ceramic/tiles  6 Other	N2		e of lighting used by your hous 4 Oil or kerosene lamp 5 Solar panel 6 Other 7 None	sehold?
What is the <u>main</u> material use  1 Leaves/raffia/thatch  2 Wood  3 Corrugated metal  4 Cement/concrete	5 Asbestos/slate/tiles 6 Mud/earth roof (tembe) 7 Plastic sheeting 8 A combination 9 Other	N3	1 Wood 2 Charcoal 3 Gas/LPG	e of cooking fuel used by your 4 Electricity 5 Kerosene/paraffine 6 Other	N10
How many distinct rooms does located in the same or differen (exclude toilet, kitchen, & bath	t places? (number)	N4	How many headloads [WRITE 0 IF NO FIREWO	s of firewood do family membe DOD IS COLLECTED ]	rs collect per day? N11
How many external windows a unit have?	nd doors does the housing	N5	During the <u>last 12 me</u> farther to gather enou	onths, do you have to walk ugh firewood? 1 Yes 2 No	N12
How much monthly rent are yo renting in, or how much month you receive if you were to rent (GHC/MONTH) [ENTER -99 IF RESPONDENT KNOW]	ly rent would out this house?	N6		2.00	
What is the <u>main</u> source of dri 1 Piped into dwelling 2 Public tap 3 Borehole, well & pump 4 Well without pump 5 Spring	nking water for your household? 6 Pond/Lake/Dam 7 River 8 Rainwater 9 Sachet or bottled water 10 Other	N7			

#### SECTION N. HOUSING AND ASSETS

#### ASK THE HEAD OF THE HOUSEHOLD OR OTHER KNOWLEDGEABLE MEMBER. READ ALOUD EACH ASSET TYPE.

ASSET CODE	HOUSEHOLD ASSET TYPE	How many units of [HOUSEHOLD ASSET TYPE] does your household currently own? [WRITE 0 IF NONE ► NEXT LINE]	When did your household acquire [HOUSEHOLD ASSET TYPE]? [WRITE FOUR DIGIT YEAR AND -99 IF DO NOT REMEMBER. IF MULTIPLE PIECES OF AN ASSET ARE ACQUIRED AT DIFFERENT TIMES, WRITE YEAR OF THE MOST RECENT PURCHASE]  N15	How much did you pay for [HOUSEHOLD ASSET TYPE]? [WRITE 0 IF ITEM WAS OBTAINED FOR FREE]
100	Improved charcoal/wood stove	1914	NIJ	NIO
100	Kerosene stove			
101	Gas stove			
102	Wooden bed - modern			
103				
104	Metal bed - modern			
	Sofa chair			
106	Modern chair			
107	Modern table			
108	Radio			
109	Television			
110	Electric fan			
111	Refrigerator Land-line phone			
113	Mobile phone			
114	Bicycle			
115	Motorbike			
116	Car or truck			
117	Satellite dish			
118	Solar panel			
119	Wooden cabinets			
120	CD/DVD Player			

Asset code	Farm asset type	How many units of [FARM ASSET TYPE] does your household currently own? [WRITE 0 IF NONE ► NEXT LINE]	When did your household acquire [FARM ASSET TYPE]? [WRITE FOUR DIGIT YEAR AND -99 IF DO NOT REMEMBER. IF MULTIPLE PIECES OF A FARM ASSET ARE ACQUIRED AT DIFFERENT TIMES, WRITE YEAR OF THE MOST RECENT PURCHASE]	How much did you pay for [FARM ASSET TYPE]? [WRITE 0 IF ITEM WAS OBTAINED FOR FREE]
ID	N13	N14	N15	N16
200	Cutlass			
201	Axe/pick-axe			
202	Sprayer			
203	Sickle			
204	Ox-plough			
205	Yoke			
206	Harrow			
207	Shovel			
208	Hoe			
209	Winnower			
210	Animal cart			
211	Power tiller			
212	Tractor			
213	Disc Plough			
214	Ox-ridger			
215	Ripper			

SERVICE CODE	SERVICE TYPE	How long does it take to get to [SERVICE TYPE], from your house, using the usual forms of transport? [one way in minutes] [ENTER -99 IF NOT APPLICABLE]
ID	N13	N17
300	the nearest motorable road?	
301	the nearest all-season road?	
302	the nearest asphalt road?	
303	the nearest weekly market place?	
304	the nearest daily market place?	
305	the district capital?	
306	the nearest place with daily bus stop or taxi	
307	the nearest health care facility?	
308	primary school?	
309	secondary school?	

#### SECTION O. SUBJECTIVE WELFARE AND FOOD SECURITY

#### ENUMERATOR: ASK THE WOMAN OR THE MOST KNOWLEDGEABLE MEMBER IN THE HOUSEHOLD

days, did you	voory that your household would not have enough food? Rely on less preferred variety of preferred variety of size at meal- meals eaten in a rely on help from a larvy kind in your and night without without a larvy kind in your and night with a larvy kind in your												
	preferred	variety of		meals eaten in a	consumption by	rely on help from a	any kind in your			Inousenold?	[WRITE DASH (-) IF NO CHILDREN 6- 59]	DASH (-) IF NO CHILDREN UNDER	[USE CODES BELOW. WRITE DASH (-) IF NO CHILDREN 5-13]
	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	DAYS	NUMBER	NUMBER		
01	O2a	O2b	O2c	O2d	O2e	O2f	O2g	O2h	O2i	O3a	O3b	04	O5

household members eat		more diverse		months, have															
roughly the same diet?	(including foo house)?	diverse variety od consumed o		you been faced with a situation when you did not have enough quantity of food to feed the household?				Did yo	ou experi	ence sh	ortage of	food in	[MONTH	], [YEAF	<b>R]</b> ?		;	s the cause situation?	
											2013	3					· IMI	PORTANCE	]
1 YES ▶08 2 NO				1 YES 2 NO ▶ NEXT	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	USE CODE	S AT THE	воттом
2 NO				MODULE	O9a	O9b	О9с	O9d	O9e	O9f	O9g	O9h	O9i	O9j	O9k	O9I	1		
	Men	Women	Children (6-59			l		T .			2014			I _ I				T	
			months)		Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	1ST	2ND	3RD
O6	07a	O7b	07c	08	O10a	O10b	O10c	O10d	O10e	O10f							O11a	O11b	O11c

## CODES FOR 04, 05 TEA/DRINK WITH SUGAR 2 MILK/MILK TEA WITH SUGAR 3 SOLID FOOD ONLY (CASSAVA, SWEET POTATO, BANANA, RICE) 4 TEA/DRINK WITH SOLID FOOD (AS IN RESPONSE OPTION 3) 5 PORRIDGE WITH GOUNDBUT FLOUR 6 PORRIDGE WITH SUCID FOOD (AS IN RESPONSE OPTION 3) 7 PORRIDGE WITH SUGAR 8 PORRIDGE WITH SUGAR 10 BREASTMILK 11 LEFTOVER/ T. Z (TUOZAAFI)

12 NOTHING

# CODES FOR O11A, O11B, & O11C 1 INADEQUATE HOUSEHOLD STOCKS DUE TO DROUGHT/FOOR RAINS 2 INADEQUATE HOUSEHOLD FOOD STOCKS DUE TO CROP PEST DAMAGE 3 INADEQUATE HOUSEHOLD FOOD STOCKS DUE TO SMALL LAND SIZE 4 INADEQUATE HOUSEHOLD FOOD STOCKS DUE TO LACK OF FARM INPUTS 5 FOOD IN THE MARKET WAS VERY EXPENSIVE 6 NOT ABLE TO REACH THE MARKET DUE TO HIGH TRANSPORTATION COSTS 7 NO FOOD IN THE MARKET 8 FLOODS/WATER LOGGING/HAILSTORM 9 NO MONEY 10 THEFT 11 FIRE 12 OTHER

#### **SECTION P: FOOD CONSUMPTION OVER THE PAST WEEK**

ENUMERATOR: ASK THE HOUSEHOLD HEAD AND THE SPOUSE (TOGETHER AND AS APPROPRIATE). FIRST ASK ABOUT ITEMS CONSUMED BY THE HOUSEHOLD (QUESTION P1) AND THEN COMPLETE P3a TO P7b. IF FOOD IS CONSUMED OUTSIDE THE HOUSEHOLD BUT NOT PURCHASED, ASK MARKET VALUE.

THEN (	COMPLETE P3a TO P7b. IF FOOD IS CONSUMED OUTS				-			1		I	
	During the past 7 days, did members of this household co	onsume [FOOD	How much [IT	EM] in	How much		How much did your			How much [IT	
	ITEM]?		total did your		came from			came from		from gifts and	otner
			household cor the past 7 day		purchases	?	to purchase [ITEM] in total?	production?		sources?	
			the past / day	<u>s</u> :			in total?				
T	PLEASE LIST NOT ONLY ITEMS CONSUMED WITHIN THE	]	1 Kilogram								
Ė	HOUSEHOLD BUT ALSO FOOD CONSUMED OUTSIDE THE		2 Gram								
	HOUSEHOLD		3 Liter 4 Unit or Pied				THIS QUESTION			EXCLUDE FOO	D TAKEN
М		J	5 Cane/Bask				REFERS TO THE	IF NONE, WI	RITE 0 FOR	OUTSIDE	THE
	ASK THIS QUESTION FOR ALL ITEMS, BEFORE MOVING ON TO		6 Bucket		IF NONE	, WRITE 0	QUANTITY REPORTED IN	QUANTITY and ▶P7a		HOUSEH	DLD
С	THE NEXT QUESTIONS FOR ITEMS WITH YES		13 Headload 14 Bunch		FOR QUAI	NTITY AND	QUESTION P4a			IF NONE, WRITE 0 FOR	
0			15 Bale			P6a				QUANTITY AND WRITE DASH (-) IN P7b	
D			16 Sachet/tub	e						DAG!!()!!	
E			17 Plate 18 Cup								
-		1 YES	19 Heap								
	Food item	2 NO ▶NEXT LINE	20 Bowl								
			QUANTITY	UNIT	QUANTITY	UNIT	GHC total	QUANTITY	UNIT	QUANTITY	UNIT
ID	P1	P2	P3a	P3b	P4a	P4b	P5	P6a	P6b	P7a	P7b
Cerea	ils and Cereal products										
0101	White maize										
	Yellow maize										
0102	Tellow Illaize										
0103	Sorghum/guinea corn										
0100	End will of										
0104	Early millet										
0405	Late millet										
0105											
0106											
	Rice										
0107	Rice Other grains										
	Other grains										
0107 0108	Other grains Buns, cakes and biscuits										
	Other grains										
0108	Other grains Buns, cakes and biscuits										

	During the past 7 days, did members of this household control in the last 1 days.	onsume [FOOD	How much [IT total did your household cor the past 7 day	nsume in	How much came from purchases	•	How much did your household spend to purchase [ITEM] in total?	came from	own-	How much [IT from gifts and sources?	
T E M	PLEASE LIST NOT ONLY ITEMS CONSUMED WITHIN THE HOUSEHOLD BUT ALSO FOOD CONSUMED OUTSIDE THE HOUSEHOLD		1 Kilogram 2 Gram 3 Liter 4 Unit or Piec 5 Cane/Bask				THIS QUESTION REFERS TO THE	IF NONE. W	RITE 0 FOR	EXCLUDE FOO	THE
C O D	ASK THIS QUESTION FOR ALL ITEMS, BEFORE MOVING ON TO THE NEXT QUESTIONS FOR ITEMS WITH YES		13 Headload 14 Bunch 15 Bale 16 Sachet/tube 17 Plate 18 Cup		FOR QUA	, WRITE 0 NTITY AND P6a	QUANTITY REPORTED IN QUESTION P4a	QUANTITY		IF NONE, WRI' QUANTITY AN DASH (-) II	TE 0 FOR
E		T	18 Cup								
	Food item	1 YES 2 NO ►NEXT LINE	19 Heap 20 Bowl								
	1 ood item	2 NO PREAT LINE	QUANTITY	UNIT	QUANTITY	UNIT	GHC total	QUANTITY	UNIT	QUANTITY	UNIT
ID	P1	P2	P3a	P3b	P4a	P4b	P5	P6a	P6b	P7a	P7b
Starch	<u>nes</u>										
0201	Cassava fresh										
0202	Cassava dry/flour										
0203	Sweet potatoes										
0204	Frafra potatoes										
0205	Yams										
0206	Cocoyams										
0207	Plantains										
0299	Other starches										
Sugar	and Sweets										
0301	Sugar										
0302	Sugarcane										
	Sweets										
	Honey, syrups, jams, marmalade, jellies, canned fruits										
0399	Other sweets										

ı	During the past 7 days, did members of this household content in the last representation of the past 7 days.	onsume [FOOD	How much [IT total did your household couthe past 7 day	nsume in	How much came from purchases		How much did your household spend to purchase [ITEM] in total?	came from	own-	How much [IT from gifts and sources?	
T E M	PLEASE LIST NOT ONLY ITEMS CONSUMED WITHIN THE HOUSEHOLD BUT ALSO FOOD CONSUMED OUTSIDE THE HOUSEHOLD		1 Kilogram 2 Gram 3 Liter 4 Unit or Pied 5 Cane/Bask				THIS QUESTION REFERS TO THE	IF NONE, W		EXCLUDE FOO	THE
C O	ASK THIS QUESTION FOR ALL ITEMS, BEFORE MOVING ON TO THE NEXT QUESTIONS FOR ITEMS WITH YES		6 Bucket 13 Headload 14 Bunch 15 Bale 16 Sachet/tul		FOR QUA	, WRITE 0 NTITY AND P6a	QUANTITY REPORTED IN QUESTION P4a	QUANTITY	and ▶P7a	HOUSEH  IF NONE, WRI'  QUANTITY AN  DASH (-) II	TE 0 FOR D WRITE
D E			17 Plate 18 Cup	Je							
	Food item	1 YES 2 NO ►NEXT LINE	19 Heap 20 Bowl								
ID	P1	P2	QUANTITY	UNIT <b>P3b</b>	QUANTITY <b>P4a</b>	UNIT <b>P4b</b>	GHC total	QUANTITY <b>P6a</b>	UNIT <b>P6b</b>	QUANTITY	UNIT <b>P7b</b>
ID Pulse:		P2	P3a	P30	P4a	P40	Pa	Poa	Pop	P7a	P/D
	Peas, beans, lentils										
	Cow peas										
	Other pulses										
	und Seeds										
0501	Groundnuts in shell/shelled										
0502	Bambara nuts										
0503	Seeds and products from nuts/seeds (excl. cooking oil)										
0504	Wild nuts and seeds										
0599	Other nuts and seeds										
<u>Veget</u>	<u>ables</u>										
0601	Onions										
0602	Spinach										
0603	Cabbage										
0604	Moringa										
0605	Canned, dried and wild vegetables										

	During the <u>past 7 days</u> , did members of this household co	nsume [FOOD	How much [IT total did your household cor the past 7 day	nsume in	How much came from purchases	•	How much did your household spend to purchase [ITEM] in total?	came from	own-	How much [IT from gifts and sources?	
T E M	PLEASE LIST NOT ONLY ITEMS CONSUMED WITHIN THE HOUSEHOLD BUT ALSO FOOD CONSUMED OUTSIDE THE HOUSEHOLD		1 Kilogram 2 Gram 3 Liter 4 Unit or Piec				THIS QUESTION REFERS TO THE	IF NONE, W	RITE 0 FOR	EXCLUDE FOO	THE
C	ASK THIS QUESTION FOR ALL ITEMS, BEFORE MOVING ON TO THE NEXT QUESTIONS FOR ITEMS WITH YES		6 Bucket 13 Headload 14 Bunch 15 Bale 16 Sachet/tube 17 Plate		FOR QUA	, WRITE 0 NTITY AND P6a	QUANTITY REPORTED IN QUESTION P4a	QUANTITY		HOUSEH  IF NONE, WRI  QUANTITY AN  DASH (-) II	TE 0 FOR D WRITE
D E			17 Plate 18 Cup	oe							
	Food item	1 YES 2 NO ▶NEXT LINE	19 Heap 20 Bowl								
ID	P1	P2	QUANTITY P3a	UNIT P3b	QUANTITY <b>P4a</b>	UNIT <b>P4b</b>	GHC total	QUANTITY <b>P6a</b>	UNIT <b>P6b</b>	QUANTITY <b>P7a</b>	UNIT <b>P7b</b>
0606	Tomatoes	1 2	1 34	1 35	1 44	1 40	13	ı oa	1 00	174	175
0607	Carrots										
0608	Green pepper										
0610	Wild vegetables										
0699	Other vegetables										
<u>Fruits</u>											
0701	Ripe bananas										
0702	Citrus fruits (oranges, lemon, tangerines,	etc.)									
0703	Mangoes										
0704	Avocadoes										
0705	Wild fruits										
0799	Other fruits										

	During the <u>past 7 days</u> , did members of this household co	-	How much [IT total did your household cor the past 7 day	nsume in	How much came from purchases		How much did your household spend to purchase [ITEM] in total?	came from o	own-	How much [IT from gifts and sources?	
T E M	PLEASE LIST NOT ONLY ITEMS CONSUMED WITHIN THE HOUSEHOLD BUT ALSO FOOD CONSUMED OUTSIDE THE HOUSEHOLD		1 Kilogram 2 Gram 3 Liter 4 Unit or Piec 5 Cane/Baske				THIS QUESTION REFERS TO THE	IF NONE, WF	RITE 0 FOR	EXCLUDE FOO	THE
C O	ASK THIS QUESTION FOR ALL ITEMS, BEFORE MOVING ON TO THE NEXT QUESTIONS FOR ITEMS WITH YES		6 Bucket 13 Headload 14 Bunch 15 Bale		FOR QUA	, WRITE 0 NTITY AND P6a	QUANTITY REPORTED IN QUESTION P4a	QUANTITY a	and ▶P7a	IF NONE, WRI QUANTITY AN DASH (-) II	TE 0 FOR D WRITE
D E			16 Sachet/tub 17 Plate 18 Cup	oe						DASH (-) II	<b>VF7</b> 5
	Food item	1 YES 2 NO ►NEXT LINE	19 Heap 20 Bowl								
10	B4	DO.	QUANTITY		QUANTITY	UNIT		QUANTITY	UNIT	QUANTITY	UNIT
ID	P1	P2	P3a	P3b	P4a	P4b	P5	P6a	P6b	P7a	P7b
	meat products, fish Goat meat										
	Beef including minced sausage										
	Pork including sausages and bacon										
0804	Chicken and other poultry										
0805	Wild birds, insects, mice										
0806	Other domestic meat products										
0807	Bushmeat										
8080	Eggs										
0809	Fresh fish and other seafood										
0810	Smoked fish										
0811	Dried/salted fish										
0812	Package/Canned fish										
0899	Other meat										
	nd milk products										
0901	Fresh milk										
0902	Milk products										

	During the <u>past 7 days</u> , did members of this household co	onsume [FOOD	How much [IT total did your household couthe past 7 day	nsume in	How much came from purchases	•	How much did your household spend to purchase [ITEM] in total?	came from	own-	How much [IT from gifts and sources?	EM] came other
T E M	PLEASE LIST NOT ONLY ITEMS CONSUMED WITHIN THE HOUSEHOLD BUT ALSO FOOD CONSUMED OUTSIDE THE HOUSEHOLD		1 Kilogram 2 Gram 3 Liter 4 Unit or Piece 5 Cane/Basket 6 Bucket 13 Headload 14 Bunch 15 Bale 16 Sachet/tube 17 Plate				THIS QUESTION REFERS TO THE	IE NONE W		EXCLUDE FOO	
C	ASK THIS QUESTION FOR ALL ITEMS, BEFORE MOVING ON TO THE NEXT QUESTIONS FOR ITEMS WITH YES				FOR QUA	, WRITE 0 NTITY AND P6a	QUANTITY REPORTED IN QUESTION P4a	IF NONE, WRITE 0 FOR QUANTITY and ▶ P7a		HOUSEHOLD  IF NONE, WRITE 0 FOR QUANTITY AND WRITE DASH (-) IN P7b	
D E										2.5(7	
	Food item	1 YES 2 NO ▶NEXT LINE	19 Heap 20 Bowl								
			QUANTITY		QUANTITY	UNIT	GHC total	QUANTITY	UNIT	QUANTITY	UNIT
ID	P1	P2	P3a	P3b	P4a	P4b	P5	P6a	P6b	P7a	P7b
0903	Canned milk/milk powder										
0999	Other dairy products		XIIIIIIIIIIIIIIII								
Oil an	d fats										
1001	Cooking oil										
1002	Butter, margarine, ghee										
1099	Other fat products										
Spice	s and other foods										
1101	Salt										
1102	Saltpetre (kawa)										
1103	Pepper										
1104	Ginger										
1105	Ethiopian pepper										
1106	Dawadawa										
1199	Other spices										

	During the <u>past 7 days</u> , did members of this household co ITEM]?	onsume [FOOD	How much [IT total did your household cor the past 7 day	nsume in	How much came from purchases		How much did your household spend to purchase [ITEM] in total?	came from	own-	How much [IT from gifts and sources?	
T E M	PLEASE LIST NOT ONLY ITEMS CONSUMED WITHIN THE HOUSEHOLD BUT ALSO FOOD CONSUMED OUTSIDE THE HOUSEHOLD		1 Kilogram 2 Gram 3 Liter 4 Unit or Piece 5 Cane/Basket				THIS QUESTION REFERS TO THE	IF NONE. WRITE 0 FOR		EXCLUDE FOO	
C	ASK THIS QUESTION FOR ALL ITEMS, BEFORE MOVING ON TO THE NEXT QUESTIONS FOR ITEMS WITH YES		6 Bucket 13 Headload 14 Bunch 15 Bale		FOR QUA	, WRITE 0 NTITY AND P6a	QUANTITY REPORTED IN QUESTION P4a	QUANTITY		HOUSEH  IF NONE, WRI  QUANTITY AN  DASH (-) II	TE 0 FOR ID WRITE
D E			16 Sachet/tub 17 Plate 18 Cup	oe							
	Food item	1 YES 2 NO ▶NEXT LINE	19 Heap 20 Bowl								
			QUANTITY		QUANTITY	UNIT	GHC total	QUANTITY	UNIT	QUANTITY	UNIT
ID	P1	P2	P3a	P3b	P4a	P4b	P5	P6a	P6b	P7a	P7b
Bever	ages										
1201	Tea dry										
1202	Coffee and cocoa										
1203	Other raw materials for drinks										
1204	Bottled/canned soft drinks (soda, juice, wa	ater)									
1205	Prepared tea, coffee										
1206	Bottled beer										
1207	Local brews (pito, sobolo, zomkom)										
1208	Wine and spirits										
1299	Other										
Food	outside the household										
1301	Full meals (breakfast, lunch or dinner)										
1302	Barbecued meat, chips, roast bananas										
1303	Samosa, cake and other snacks										

#### SECTION Q1: NON-FOOD EXPENDITURES - PAST ONE WEEK & ONE MONTH

#### ENUMERATOR: ASK THE HOUSEHOLD HEAD AND THE SPOUSE (TOGETHER AND AS APPROPRIATE).

#### **ONE WEEK RECALL**

Item code	Over the past 7 days, did you purchase any [ITEM]?	1 YES 2 NO ▶NEXT LINE	How much did you pay/purchase in total for [ITEM]?
ID	Q1_1	Q1_2	Q1_3
101	Cigarettes or tobacco		
102	Matches		
103	Public transport		
104	Cell phone voucher		

#### **ONE MONTH RECALL**

Item code	Over the past 30 days, did you purchase or pay for any [ITEM]?	1 YES 2 NO ▶NEXT ITEM	How much did you pay in total?		
		Z NO PNEXT ITEM	GHC		
ID	Q1_1	Q1_4	Q1_5		
201	Kerosene				
202	Electricity, including electricity vouchers				
203	Gas (for lighting/cooking)				
204	Water				
205	Petrol or diesel				
206	Other utilities (i.e., sewage)				

#### **ONE MONTH RECALL**

	NIH RECALL		
Item code	Over the past 30 days, did you purchase or pay for any [ITEM]?	1 YES 2 NO ▶NEXT LINE	How much did you pay in total for [ITEM]?
ID	Q1_1	Q1_4	Q1_5
207	Charcoal		
208	Firewood		
209	Milling fees, grain		
210	Bar soap (for body or cloths)		
211	Clothes soap (powder)		
212	Toothpaste, toothbrush, chewing stick		
213	Toilet paper		
214	Glycerine, Vaseline, skin creams		
215	Personal care products for women (shampoo, cosmetics, hair products, etc.)		
216	Personal care products for men (shampoo, razor blades, hair products, etc.)		
217	Household cleaning products (dish soap, toilet cleansers, etc.)		
218	Light bulbs/candles/tourch batteries		
219	Phone, internet, postage stamps or other postal fees		
220	Donation - to church, mosque, charity, beggar, etc.		
221	Motor vehicle service, repair, or parts		
222	Fuel for motor cycle		
223	Bicycle service, repair, or parts		
224	Wages paid to servants		
225	Repair cost to farm implements		
226	Mortgage (regular payment to purchase house) or rent		
227	Repairs to household and personal items (radios, watches, etc.)		
228	Lotteries and raffles		
229	Sacrifice (animals)		

## SECTION Q2: NON-FOOD EXPENDITURES – PAST TWELVE MONTHS ENUMERATOR: ASK THE HOUSEHOLD HEAD AND THE SPOUSE (TOGETHER AND AS APPROPRIATE).

ITEM	Over the past 12 months, did you purchase or pay for any [ITEM]?	What was the cost of [ITEM] that you purchased?			
CODE	Q2 1	Q2 2	Q2_3		
301	Carpet, rugs, drapes, curtains	QL_L	<u> </u>		
302	Linen - towels, sheets, blankets				
303	Mat - sleeping or for drying maize flour				
304	Mosquito net				
305	Mattress				
306	Farm implements (e.g., cutlass, hoe)				
307	Building items - cement, bricks, timber, iron sheets, tools, etc.				
308	Health insurance fee (NHIS, etc.)				
309	Losses to theft (value of items or cash lost)				
310	Fines or legal fees				
311	Bride price /Marriage costs				
312	Funeral costs				
313	Repairs to consumer durables (e.g., repair cost for TV, Radio)				
314	Taxes for income, property, etc.				
315	Construction, repairs & maintenance to dwelling (human) (e.g., roofing sheet)				
316	Construction, repairs & maintenance to housing for animals				
317	Garments for men				
318	Garments for women				
319	Garments for children and babies				
320	Footwear for men				
321	Footwear for women				
322	Footwear for children and babies				
323	Membership fees (e.g., christian mothers association, funeral associations)				
324	School fees				
325	Motor bike				
326	Cooking utensils /jerry cans				
327	Medical expense (excluding health insurance fee)				
328	Other costs not stated elsewhere				

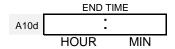
	Over the past 12 months did			What was the estimated total value
	you gather, purchase, or pay		of [ITEM] that you	of [ITEM], from what you have
	for any [ITEM]?			gathered? [WRITE 0 IF NO
			0 IF NOT	GATHERING]
		1 YES	PURCHASED]	
ITEM	ITEM NAME	2 NO ►NEXT		
CODE	IIEM NAME	ITEM	GHC	GHC
ID	Q2_1	Q2_2	Q2_3	Q2_4
401	Wood poles, bamboo			
402	Grass for thatching roof or other use			
403	Mud bricks			

#### SECTION R: RECENT SHOCKS TO HOUSEHOLD WELFARE

ENUMERATOR: ASK THE HOUSEHOLD HEAD OR THE MOST KNOWLEDGEABLE HOUSEHOLD MEMBER

														2 RECEIVED UNCONDITIONAL HELP
	Over the past five years, was your household		Can you rank the		Did [SHOCK]	How dispersed was this			How long did the last					FROM RELATIVES/FRIENDS
s	severely affected negatively by any of the		[SHOCK] among the		cause a reduction	shock? It affected	and mor			last?		se to this [		3 RECEIVED UNCONDITIONAL HELP
н.	following events?		three most significant		in household	1 ONLY THIS	this [SH		las			egain your	former	FROM GOVERNMENT
0	IF THE HOUSEHOLD DID NOT EXPERIENCE ANY OF THE FOLLOWING SHOCKS, GO TO 'END THE		shocks you experienced?		income and/or assets?	HOUSEHOLD	[ENTER				welfare le	vei?		4 RECEIVED UNCONDITIONAL HELP
C K	INTERVIEW' MODULE		1 MOST SEVERE		a55015 !	2 SOME OTHER HOUSEHOLDS	DO NO			USE CODES ON RIGHT				FROM NGO/RELIGIOUS INSTITUTION
K.		1	2 SECOND MOST SEVERE		1 INCOME LOSS	3 MOST HOUSEHOLDS	20110	•		1 Months	USEC	CODES ON F	RIGHT	5 CHANGED EATING PATTERNS
- 1			3 THIRD MOST SEVERE		2 ASSET LOSS 3 LOSS OF BOTH	IN THIS COMMUNITY	ļ			2 Weeks				(RELIED ON LESS PREFERRED FOOD OPTIONS, REDUCED THE
D		1 YES			4 NEITHER	4 ALL HOUSEHOLDS IN THIS COMMUNITY				3 Days	MOST	TO 3 IN OR	CIDENT	PROPORTION OR NUMBER OF
		2 NO ▶NEXT	PUT CODE OF 3			5 DO NOT KNOW								MEALS PER DAY, OR HOUSEHOLD MEMBERS SKIPPED DAYS OF
		ITEM	BIGGEST SHOCKS				YEAR	MONTH	DURATION	UNIT	1ST 2ND		3RD	EATING, ETC.)
ID	R1	R2	R3		R4	R5	R6a	R6b	R7a	R7b	R8a	R8b	R8c	6 EMPLOYED HOUSEHOLD MEMBERS
101	Drought or floods			1										TOOK ON MORE EMPLOYMENT
102	Strong winds/storms													7 ADULT HOUSEHOLD MEMBERS WHO
103	Crop disease or pests			QUESTIONS										WERE PREVIOUSLY NOT WORKING HAD TO FIND WORK
104	Livestock died or stolen			TO THE										8 HOUSEHOLD MEMBERS MIGRATED
105	Household business failure, non-agricultural			RIGHT SHOULD										9 REDUCED EXPENDITURES ON
106	Loss of salaried employment or non-payment of salary			ONLY BE										HEALTH AND/OR EDUCATION
107	Large fall in sale prices for crops			ASKED FOR THE THREE										10 OBTAINED CREDIT
108	Large rise in price of food			MOST										11 SOLD AGRICULTURAL ASSETS
109	Large rise in agricultural input prices			SEVERE										12 SOLD DURABLE ASSETS
110	Severe water shortage			SHOCKS, AS NOTED IN										13 SOLD LAND/BUILDING
111	Loss of land			QUESTION										14 SOLD CROP STOCK
112	Chronic/severe illness or accident of household member			R3.										15 SOLD LIVESTOCK 16 INTENSIFY FISHING
113	Death of a member of household			LEAVE ALL										17 SENT CHILDREN TO LIVE
114	Death of other family member			OTHER ROWS										ELSEWHERP
115	Break-up of the household (e.g.,divorce, separation)			BLANK.										18 ENGAGED IN SPIRITUAL EFFORTS - PRAYER, SACRIFICES, DIVINER
116	Jailed													CONSULTATIONS
117	Fire													19 SMOKING AND DRINKING
118	Hijacking/robbery/burglary/assault													20 BEGGING
119	Dwelling damaged, destroyed													21 DID NOT DO ANYTHING 22 OTHER
120	Immediate needs of money and selling crop at lowest price													
121	Political, tribal, and farmers' livestock conflict													
122	Other													

1 RELIED ON OWN-SAVINGS



Thank you very much for participating in this survey and for your time!

BRIEF DESCRIPTION OF LOCATION OF HOUSEHOLD - INCLUDE ANY IDENTIFYING CHARACTERISTICS OF DWELLING, NAME OF NEIGHBOURING HOUSEHOLDS & KEY PERMANENT CONTACTS, PHONE NUMBER (IF ANY).

PLEASE GIVE THE INCENTIVE TO THE HOUSEHOLD HEAD

	CONVER	SION F	ROM Y	EAR OF	BIRTH	TO AGE		YEA	R EVENT	YEAR	EVENT	YEAR	EVENT	YEAR EVENT
YEAR		YEAR		YEAR		YEAR			King Prempeh removed from Sierra Leone to				Closure of the three Universities following	Draught, Bush fires and Hunger (Rawlings
OF BIRTH	AGE	OF BIRTH	AGE	OF BIRTH	AGE	OF BIRTH	AGE	1900	the Seychelles Island	1961	Railway Employees at Takoradi went on strike	1977	demonstration by the students against High Prices of Food	1983 chain)
1906		1933	81	1960	54	1987	27	1900	0 Yaa Asantewaa War	1962	The Kulungugu bomb explosion	1977	Strike Action by members of Ghana Medical Association Demanding early re-opening of the	1987 Voters Registration Exercise
1907	107	1934	80	1961	53	1988	26	190:	1 Capture of Yaa Asantewaa	1962	Tema Harbour opened	1977	The Ghana Bar Association called on the SMC 1 Government to handover power to a Presidential Commission Pending a Return to Civilian rule	1989 District Level Elections
1908	106	1935	79	1962	52	1989	25	1914	4 First World War	1962	Detention of Ako Adjei, Tawiah Adamafo and H. Coffie Crabbe	1978	Discovery of Oil in commercial quantities offshore Saltpond by Agric-Petco Ghana Incorporated	1991 Constitution for 4 <sup>th</sup> Republic
1909	105	1936	78	1963	51	1990	24	1918	8 West African Currency Notes introduced	1963	President Nkrumah dismissed Sir Arku Korsah from his Post as Chief Justice	1978	Referendum on Union Government	1992 Election of J. J. Rawlings as President of Ghana
1910	104	1937	77	1964	50	1991	23	1918	8 Armistice Day(End of 1 <sup>st</sup> World War	1964	Flagstaff House shooting incident involving Ametewee	1978	Strike Action by the Ghana Bar Association	1993 An elephant wandered into Navrongo
1911	103	1938	76	1965	49	1992	22	192	5 Prince of Wales visited Gold Cost	1965	Death of Dr. J.B. Danquah	1978	Demonstration by University Students against the Union Government concept and the invasion of Legon Campus by Police armoured Cars	1996 J.J. Rawlings elected President for a second term
1912	102	1939	75	1966	48	1993	21	1920	6 First Aeroplane arrived in Accra	1965	Formal Opening of Akosombo Dam	1978	Formation of People's Movement for Freedom and Justice(PMFJ) led by K.A. Gbedema, A.A. Afrifa and William Ofori-Atta	1998 Visit of the American President (Bill Clinton)
1913	101	1940	74	1967	47	1994	20	192	7 Dr. J.E. Kwagyir Aggrey died	1965	O.A.U Summit Conference in Accra	1978	Banning of PMFJ, the Front for the Prevention of Dictatorship and the Third Force by General Acheampong	1998 Death of Dr. Hilla Limann (February)
1914	100	1941	73	1968	46	1995	19	1928	8 Takoradi Harbour opened	1965	Introduction of Decimal Currency in Ghana(the Old Cedi and Old Pesewa)	1978	General Acheampong removed from Office and Lt General F.W.K. Akuffo became Chairman of the reconstituted Supreme Military Council(SMC II)	2000 Election of President John Agyekum Kufour ( Fourth Republic)
1915	99	1942	72	1969	45	1996	18	1936	6 Introduction of Basic Rate	1966	Military coup d'etat in Nigeria	1978	Dr. K.A. Busia died in London	2000 Second visit of Queen Elizabeth to Ghana
1916	98	1943	71	1970	44	1997	17	1938	8 Cocoa Hold-up	1966	Overthrow of President Nkrumah by the Army and the Police	1979	Appointment of Mr. Justice Amissah and Mrs Gloria Amon-Nikoi as Attorney General and Commissioner for Foreign Affairs respectively	2001 Accra Sport Stadium Disaster (9 <sup>th</sup> May)
1917	97	1944	70	1971	43	1998	16	1939	9 Earthquake	1967	Introduction of the New Cedis and New Pesewas	1979	Currency Change Exercise	2001 First mass cancellation of JSS results in Ghana
1918	96	1945	69	1972	42	1999	15	1939	9 Second World War Started	1967	Death of Lieutenant-General E.K. Kotoka	1979	An abortive uprising in which Flt. Lt. J.J. Rawlings was Arrested	2006 Eclipse of the sun
1919	95	1946	68	1973	41	2000	14	1947	7 Eclipse of the sun	1969	Lifting of Ban on Political Acrtivity in Ghana after the 1966 Coup	1979	The Revolution that overthrew SMC II lead by J.J Rawlings as Chairman of the Armed Forces Revolutionary Council(AFRC)	2007 Ghana Celebrates 50 years of independence from Britain (March)
1920	94	1947	67	1974	40	2001	13	1948	Looting in various parts of the country resulting 8 from the shooting of Sergeant Adjetey and others	1969	Dr. K.A. Busia made Prime Minister of Ghana	1979	Execution of General Acheampong, General Akuffo, Lt. General A. A. Afrifa, Major General Utuka and four other Senior Military Officers	2007 Major off-shore oil discovery announced (June)
1921	93	1948	66	1975	39	2002	12	1948	Arrest of six Leaders of the United Gold Coast Convention	1970	Death of Asantehene Nana Sir Osei Agyeman Prempeh II	1979	General Elections	2007 Redenomination of the cedi by Kufour administration
1922	92	1949	65	1976	38	2003	11	1949	9 Founding of CPP by Kwame Nkrumah	1970	Formation of "Justice Party" by a merger of National Alliance of Liberals and three other Opposition Parties	1979	Major General Odartey Wellington given a state Burial	Worst floods in over 30 years cause 2007 widespread devastation and destroys much of harvest (September)
1923	91	1950	64	1977	37	2004	10	1950	O Positive Action Declared	1972	Overthrow of Dr. K.A. Busia's Progress Party Government by Colonel I.K. Acheampong	1979	Demolition of Makola No. 1 Market	2008 Election of President John Evans Atta Mills
1924	90	1951	63	1978	36	2005	9	195	Kwame Nkrumah made Leader of Government	1972	Students harvested Sugar Cane at Asutsuare and	1979	Mr. Justice Akuffo-Addo died and was buried at	(December) US President Barrack Obama visits Ghana
1925	89	1952	62	1979	35	2006	8	1952	Business Kwame Nkrumah made first Prime Minister of the Gold Coast	1972	Komenda  Operation Feed Yourshelf Programme launched	1979	Akropong Second Round of Presidential Election	(July) 2012 Election of President John Dramani Mahama (December)
1926	88	1953	61	1980	34	2007	7	195	7 Ghana's Independence declared	1972	Death of Kwame Nkrumah in Romania	1979	Handing over of Power to the People's National Party(PNP) Administration by the AFRC	2013 Election Petition to Supreme Court by NPP
1927	87	1954	60	1981	33	2008	6	1958	R.R. Amponsah and M.K. Apaloo (both opposition members arrested)	1972	Arrival of Dr. Kwame Nkrumah corpse in Ghana from Guinnea	1979	Usher Fort Jail Break By Captain Koda, Captain Okaikoi and Three other military Personnel	NORTHERN AND UPPER REGIONS
1928	86	1955	59	1982	32	2009	5	1958	8 Preventive Detention Act came into force	1973	Ghana broke Diplomatic Relations with Israel	1980	Pope John Paul II visited Ghana	1934 First Aeroplane to Northern Territories
1929	85	1956	58	1983	31	2010	4	1960	0 French Togoland become Independent State	1974	Introduction of Right Hand Traffic	1980	Head of Ahmadiyya Muslim visited Ghana	1940 Construction of Wa/Tamale road
1930	84	1957	57	1984	30	2011	3	1960	O Ghana Became a Republic	1975	J.H. Mensah and Two others Arrested on Sedition Charge	1980	Visit to Ghana by Archbishop of Canterbury(Head of the Anglican Church	1975 Construction of Tano Irrigation Dam started
1931	. 83	1958	56	1985	29	2012	2	196:	1 Queen Elizabeth II visited Ghana	1975	Creation of Supreme Military Council (SMC 1)	1981	Commissioning of Ghana's first Satellite earth station at Nkuntunse	Shooting of Colonel Felli and Others by Firing Squad
1932	82	1959	55	1986	28	2013	1	196:	Murder of former Congo Premier Patrice Lumumba	1977	Appointment of Dr. Koranteng Addo's Adhoc Committee to gather information on how to implement a Union Government for Ghana	1981	Overthrow of PNP Administration by J.J. Rawlings as Chairman of PNDC	1997 Reconstruction of the Tamale-Paga Road