#	Question	Response	
P1	PERSON ADMINISTERING THE QUESTIONNAIRE	ID	
P2	PRIMARY CULTIVATOR GADCO ID NUMBER		
P3	PRIMARY CULTIVATOR RESPONDENT ID	-	<u>  </u>
P4	PRIMARY CULTIVATOR NAME	First	Last
P5	How many parcels does [PRIMARY CULTIVATOR] currently cultivate that are part of the Kpong/ Weta irrigation scheme, including parcels currently left fallow? ENUMERATOR: THIS QUESTION MUST BE ADMINISTERED TO THE PRIMARY CULTIVATOR DIRECTLY	<u>  </u>	PARCELS
P6	IS [PRIMARY CULTIVATOR] the farm manager? [ENUMERATOR: THE PRIMARY CULTIVATOR IS CONSIDERED THE FARM MANAGER IF THEY HAVE THE MOST KNOWLEDGE REGARDING THE QUANTITY, TIMING, AND COST OF CHEMICAL, LABOR, AND MECHANIZED INPUTS APPLIED TO THE PARCELS]	1=YES >> P7	2=NO
	If no, what is the name of the farm manager?	NAN	<u>1E</u>
P6b	What is the farm manager's telephone number?		
P7	DID THE RESPONDENT (FARM MANAGER) CONSENT TO INTERVIEW?	1= YES>>P8	2= NO
P7a	IF NO, STATE REASON FOR REFUSAL (after, skip to end of interview)	>> SKIP TO END OF INTERVIEW	
P8	PHOTOGRAPH OF RESPONDENT	INTERVIEW	
P9	DATE OF INTERVIEW		
	START TIME OF INTERVIEW (24HRS)	Recorded in E	3ackground
P10	,	1.000.000 11.1	zaongrouna
P11	LIST ALL IRRIGATION SCHEME PARCELS THAT ARE CURRENTLY CULTIVATED BY [PRIMARY CULTIVATOR] AS WELL AS ANY IRRIGATION SCHEME PARCELS THAT APPEAR ON THE BASELINE PARCEL ROSTER, BUT ARE NO LONGER CULTIVATED.  ENUMERATOR: IF NEW PARCEL, BE SURE TO ASSIGN A NEW PARCEL ID NUMBER [FOR EXAMPLE, "NP1", "NP2", etc.]	T E      BASELINE PARCEL ID     BASELINE PARCEL ID	
P12	LIST THE PARCEL ID FOR THE PARCEL FOR WHICH YOU ARE ABOUT TO ADMINISTER QUESTIONS P13a-86	BASELINE PARCEL ID	
P12a	[TREATMENT VERSION ONLY]: Is this parcel currently enrolled in the CCSP program?	1=YES 2=NO	
P13	Is [RESPONDENT] still the primary cultivator of this parcel?	1=YES >> P14	2=NO
P13a	If no, do you know the <b>current</b> Primary Cultivator of this parcel?	1=Yes	2=NO>>Q87
P13b	What is the name of the current primary cultivator?	NAME	
P13c		>>Q87 [NEX	Γ PARCEL]
P14	Was this parcel captured on the baseline parcel roster? ENUMERATOR: REFER TO THE BASELINE PARCEL LISTING TO CONFIRM THIS.	1=YES >>P15	2=NO
P14a	If no, please provide a brief description of the location.	[ALLOW AS MANY CHARACTERS AS POSSIBLE]	

	What is the size of this parcel?	1 1 1 1 1 1	UNIT
P14b			1=HECTARES
			2=ACRES
	How did the primary cultivator obtain the right to use this	1=Allocated Free >> P15	
	parcel?	2=Inherited >> P15 3=Purchased >> P15	
P14c		4=Hire-in/Sublet-in	
		555=Other (Specify) >> P15	
		Coo-Cirici (Opeciny) >> 1 10	
P14d	If Hire-in/Sublet-in,what is the name of the owner?	NAN	 1E
	What is the owner's telephone number?		
	Was any portion of this parcel left fallow for the 2013 Minor	1=NONE OF PARCEL	3=ALL OF PARCEL >>
P15	Season?		Q87 (NEXT PARCEL)
		2=PART OF PARCEL	
	How many [HECTARES/ACRES] of the parcel were <b>planted</b>	lll · ll	UNIT
P16	this season?	QUANTITY	1=HECTARES
	Did you plough/cross/till this parcel before planting?		2=ACRES
1	bid you ploughtoosstill this parcer before planting:	1=YES	2=NO >> Q4
	How did you plough/cross/till this parcel?		
	n low did you ploughterosstill tills parcer!	1=Tractor	2. Dower Tiller
		T=Tractor	2=Power Tiller (Kobuta/Agrimat)
2			(Nobala/Agrillat)
		3=Animal traction	
			4=Manually >> Q4
	What was the total cost to hire this machine, including any		· ····airaaiiy / / a ·
	payment for fuel, chop money for the operator and tip?		
3			GHC
	[IF OWNED, ENTER -111]		
	Did you soak the seeds used on this parcel before planting?		
4		1=YES	2=NO >>Q6
	On what day did you soak the seeds used on this parcel before planting [TRANSPLANTING OR BROADCASTING]?		
	before planting [TRANSPLANTING OR BROADCASTING]?		
-		I I MONTH	I I IDAV
5		MONTH	DAY
	Which method of planting did you primarilly use on this	4 TD 4110E:	
•	parcel?	1=TRANSPLANTING	
6		2=DIRECT SEEDING / BROADCASTING >> Q9	
			1 1 1507
7	On what day did you sow seeds on the nursery bed?	_  MONTH	DAY
<u>8</u> 9	On what day did you transplant seeds from the nursery to On what day did you broadcast the seeds used on this	MONTH     MONTH	DAY     DAY
3	On what day after broadcasting was water released unto the		DAT
	parcel for germination, either from irrigation water or rain?		
10		MONTH	DAY
-		, <del></del> , -	; <del></del> !

10a	What type of seed did you use on this parcel?	1=Togo Marshall 2=Jet3 3=Jasmine 4=Perfume Rice 5=Aman Kwatia 6=Tox 7=Jasmine 85	
		8=Aromatic -555=Other (Specify)	
10b	What was the quantity of seeds you used on this parcel?	_    QUANTITY	UNIT 1=Headpan (15KG) 2=Bucket (15KG) 3=GMG Mini (45KG) 4=GMG Maxi (90KG) 10=Bowl/Alonka 11=American Tin 17=Beer Bottle 42=Stick -555=OTHER (SPECIFY)
11	Have you applied any herbicide to this parcel?	1=YES	2=NO >> Q16
12	On what day did you apply this herbicide?	_  MONTH	DAY
13	Which type of herbicide did you apply?	1=SOI 2=PROI 3=2 <sup>4</sup> 4=BASA 5=CORN 6=RUI 7=HORIZO 8=STA 9=ORESO 10=STU 11=BOI 12=SUNPI 13=EWUR -555=OTHER	PANIL 4-D GRAN I DUST N UP ON PLUS AMP O PLUS INPFM UNTY HOSATE A WURA
13a	[CONTROL VERSION ONLY]: [IF 13==1 (SOLITO) &13a==1]:  What was the source of this herbicide?	ENUMERATOR: DO NOT READ RESPONSE CODES TO RESPONDENT 1=GADCO/COPA-CONNECT 2=WIENCO 3=SHOP 4=A FRIEND -555=Others	

14	How much herbicide (before mixing with water) was used for this application?  ENUMERATOR: PLEASE NOTE QUANTITY AND UNIT  1=Milk Tin (40ml) 2=Tomato Tin (20ml) 3=Liter 4=Cap 5=Sachet 6=Bottle -555=Other (Specify)	Quantity	Unit
15	Did you apply herbicide an additional time?	1=YES >> LOOP TO Q12	2=NO
16	Have you applied any insecticide to this parcel?	1=YES	2=NO >> Q21
17	On what day did you apply this insecticide?	MONTH	DAY
18	Which type of insecticide did you apply?	1=EFC 2=CYPERI 3=KAR 4=CONTR 5=BOOST 6=DURSE 7=POV 8=SEMI -555= OTHER (SPEC	METRIN ATE COLLER EXTRA BAN 4E VER ETOE
19	How much insecticide (before mixing with water) was used for this application?  ENUMERATOR: PLEASE NOTE QUANTITY AND UNIT  1=Milk Tin (40ml) 2=Tomato Tin (20ml) 3=Liter 4=Cap 5=Sachet -555=Other (Specify)	Quantity	<u> </u>  Unit
20	Did you apply insecticide an additional time?	1=YES >> LOOP TO Q17	2=NO
21	Did you apply any fungicide to this parcel?	1=YES	2=NO >> Q26
22	On what day did you apply this fungicide?	_  MONTH	DAY
23	Which type of fungicide did you apply?	1=AMIST/ 2=MANC 3=TOPS 4=TRYM/ 5=QUAN 6=SULPH 7=FUR/ -555=OTHER (SPEC	COZEB SIN M ANGOR ITIZIP HUR 80 ADAN

	How much fungicide (before mixing with water) was used for this application?		
	ENUMERATOR: PLEASE NOTE QUANTITY AND UNIT		
	1=Milk Tin (40ml)		
24	2=Tomato Tin (20ml) 3=Liter	Quantity	Unit
	4=Cap		
	5=Sachet		
	-555=Other (Specify)		
	-555=Other (Specify)		
25	Did you apply fungicide an additional time?	1=YES >> LOOP TO Q22	2=NO
26	Did you apply any fertilizer to this parcel?	1=YES	2=NO >> 30a
27	On what day did you apply fertilizer to this parcel?	MONTH	_  DAY
	Which type of fertilizer did you apply?	1=NPK/A	
28	IDECORD ONLY ONE ADDITION AND TYPE OF	2=UR	
	[RECORD ONLY ONE APPLICATION AND TYPE OF FERTILIZER IN EACH LOOP]	3=AM0 4=-555 OTHER (SPE0	
29	How many 50 KG Bags did you apply?	1   1	BAGS
	Did you apply fertilizer an additional time?	<u>  </u>	27.00
			_
30		1=YES >> LOOP TO Q27	2=NO
20-	Did you hire any permanent laborers during the 2013 Minor	4 VEC	2 NO
30a	Season?	1=YES	2=NO
30B	Now I would like to ask you about the number of days that lab		
31	Male family members of age 18 or older		ABOR DAYS
32 33	Female family members of age 18 or older Family members of age 17 or younger		ABOR DAYS ABOR DAYS
34	Permanent laborers	1	ABOR DAYS
35	Did you hire any casual group laborers?	1=YES	2=NO >> 37
36	How much in total did you pay for this work?		GHC
37	Did you hire any casual individual laborers?	1=YES	2=NO >> 39a
	How many person days did these individual laborers work in		
	total?		
38			ABOR DAYS
_	How much did you pay for this work?		
39	, I ,	_ _  GHC	UNIT
39A	Now I would like to ask you about the number of days that lab		
40	Male family members of age 18 or older	1	ABOR DAYS
41 42	Female family members of age 18 or older Family members of age 17 or younger		ABOR DAYS ABOR DAYS
43	Permanent laborers		ABOR DAYS
44	Did you hire any casual group laborers?	1=YES	2=NO >> 46
45	How much in total did you pay for this work?		GHC
46	Did you hire any casual individual laborers?	1=YES	2=NO >> 48a

47	How many person days did these individual laborers work in total?	<u>                                    </u>	LABOR DAYS
	How much did you pay for this work?		
48	ENUMERATOR: PLEASE NOTE QUANITITY AND UNIT  1=WAGE PAID PER DAY PER INDIVIDUAL LABORER (WAGE RATE) 2=TOTAL SUM PAID TO ALL INDIVIDUAL LABORERS (ALL DAYS AND LABORERS COMBINED)	_  GHC	UNIT
48A	Now I would like to ask you about the number of days that lab		
49	Male family members of age 18 or older	111	ABOR DAYS
50	Female family members of age 18 or older	111	ABOR DAYS
51	Family members of age 17 or younger		ABOR DAYS
52	Permanent laborers	111	ABOR DAYS
53	Did you hire any casual group laborers?	1=YES	2=NO >> 55
54 55	How much in total did you pay for this work?  Did you hire any casual individual laborers?	1=YES	_   GHC 2=NO >> 57a
56	How many person days did these individual laborers work in total?	1-120	2-110 >> 37 d
57	How much did you pay for this work?  ENUMERATOR: PLEASE NOTE QUANITITY AND UNIT  1=WAGE PAID PER DAY PER INDIVIDUAL LABORER (WAGE RATE)  2=TOTAL SUM PAID TO ALL INDIVIDUAL LABORERS (ALL DAYS AND LABORERS COMBINED)	GHC	UNIT
57A	Now I would like to ask you about the number of days that lab	orers contributed to scaring bir	rds.
58	Male family members of age 18 or older		_ABOR DAYS
59	Female family members of age 18 or older		_ABOR DAYS
60	Family members of age 17 or younger	1 1 11	4 D O D D A V O
61	·		_ABOR DAYS
	Permanent laborers	<u> </u>	_ABOR DAYS
62	Permanent laborers Did you hire any casual group laborers?		
62 63	Permanent laborers	<u> </u>	_ABOR DAYS
	Permanent laborers  Did you hire any casual group laborers?  How much in total did you pay for this work?  Did you hire any casual individual laborers?	<u> </u>	_ABOR DAYS 2=NO >> 64
63	Permanent laborers  Did you hire any casual group laborers?  How much in total did you pay for this work?  Did you hire any casual individual laborers?  How many person days did these individual laborers work in total?	1=YES	_ABOR DAYS   2=NO >> 64 _   GHC
63 64	Permanent laborers  Did you hire any casual group laborers?  How much in total did you pay for this work?  Did you hire any casual individual laborers?  How many person days did these individual laborers work in	1=YES	_ABOR DAYS   2=NO >> 64 _   GHC
63 64 65	Permanent laborers  Did you hire any casual group laborers?  How much in total did you pay for this work?  Did you hire any casual individual laborers?  How many person days did these individual laborers work in total?	1=YES 1=YES	2=NO >> 64    GHC    SHO >> 66a    UNIT

68	Female family members of age 18 or older	<u>   </u> L	ABOR DAYS
69	Family members of age 17 or younger	L	ABOR DAYS
70	Permanent laborers	L	ABOR DAYS
71	Did you hire any casual group laborers?	1=YES	2=NO >> 73
72	How much in total did you pay for this work?		GHC
73	Did you hire any casual individual laborers?	1=YES	2=NO >> 75a
74	How many person days did these individual laborers work in total?		ABOR DAYS
75 75A	How much did you pay for this work?  ENUMERATOR: PLEASE NOTE QUANITITY AND UNIT  1=WAGE PAID PER DAY PER INDIVIDUAL LABORER (WAGE RATE)  2=TOTAL SUM PAID TO ALL INDIVIDUAL LABORERS (ALL DAYS AND LABORERS COMBINED)  Now I would like to ask you about the number of days that lab	_  GHC	UNIT     activities not previously
76	Did laborers contribute any days to other activities not	1=YES	2=NO >> 87
	previously mentioned?	1-120	2=110 >> 01
77	What was the name of the activity?		
78	Male family members of age 18 or older		ABOR DAYS
79	Female family members of age 18 or older		ABOR DAYS
80	Family members of age 17 or younger		ABOR DAYS
81	Permanent laborers		ABOR DAYS
82	Did you hire any casual group laborers?	1=YES	2=NO >> 84
83	How much in total did you pay for this work?		GHC
84	Did you hire any casual individual laborers?	1=YES	2=NO >> 87
85	How many person days did these individual laborers work in total?	L	ABOR DAYS
86	How much did you pay for this work?  ENUMERATOR: PLEASE NOTE QUANITITY AND UNIT  1=WAGE PAID PER DAY PER INDIVIDUAL LABORER (WAGE RATE)  2=TOTAL SUM PAID TO ALL INDIVIDUAL LABORERS (ALL DAYS AND LABORERS COMBINED)	GHC	UNIT
87	Would you like to include information for another parcel?  ENUMERATOR: PLEASE RECORD INFORMATION FOR ALL IRRIGATION SCHEME PARCELS THAT ARE CURRENTLY CULTIVATED BY [PRIMARY CULTIVATOR] AS WELL AS ANY IRRIGATION SCHEME PARCELS THAT APPEAR ON THE BASELINE PARCEL ROSTER, BUT ARE NO LONGER CULTIVATED.	1=YES >> LOOP TO P13_2	2=NO
88	How old is [PRIMARY RESPONDENT] in completed years?		AGE
89	Has [RESPONDENT] ever attended school?	1=Yes	2=NO >> 91
90	What was the highest grade successfully completed?	(\	USE CODES)
	GRADE LEVEL CODES		
	01=None;	17=JSS1;	25=SSS2;

	02=Pre-school;	18=JSS2;	26=SSS3;
	11=P1;	19=JSS3;	28='O' level
	12=P2;	20=M1;	29= 'A' level
	13=P3;	21=M2;	30= Polytechnic
	14=P4;	22=M3;	31=Training College
	15=P5;	23=M4;	32= University
	16=P6;	24=SSS1;	33= Medical Training institution
			555= Other (Specify)
91	On which month and week do you expect to finish harvesting?	MONTH	WEEK
91	END TIME OF INTERVIEW (24HRS)	l IHRS	l IMINS

	Question	Response	
P1	PERSON ADMINISTERING THE QUESTIONNAIRE	ID	
	PRIMARY CULTIVATOR GADCO ID NUMBER		
	PRIMARY CULTIVATOR RESPONDENT ID	_ -	
	PRIMARY CULTIVATOR NAME	First	Last
P5	How many parcels does [PRIMARY CULTIVATOR] currently cultivate <b>that are part of the Kpong/ Weta irrigation scheme</b> , including parcels currently left fallow? ENUMERATOR: THIS QUESTION MUST BE ADMINISTERED TO THE PRIMARY CULTIVATOR DIRECTLY		PARCELS
	Is [PRIMARY CULTIVATOR] the farm manager? [ENUMERATOR: THE PRIMARY CULTIVATOR IS CONSIDERED THE FARM MANAGER IF THEY HAVE THE MOST KNOWLEDGE REGARDING THE QUANTITY, TIMING, AND COST OF CHEMICAL, LABOR, AND MECHANIZED INPUTS APPLIED TO THE PARCELS]	1=YES >> P7	2=NO
	If no, what is the name of the farm manager?	NAME	
P6b	What is the farm manager's telephone number?		
P7	DID THE RESPONDENT (FARM MANAGER) CONSENT TO INTERVIEW?	1= YES>>P8	2= NO
	IF NO, STATE REASON FOR REFUSAL (after, skip to end of interview)	>> SKIP TO END OF INTERVIEW	
	DATE OF INTERVIEW		
P10	START TIME OF INTERVIEW (24HRS)		
	LIST ALL IRRIGATION SCHEME PARCELS THAT ARE CURRENTLY CULTIVATED BY [PRIMARY CULTIVATOR] AS WELL AS ANY IRRIGATION SCHEME PARCELS THAT APPEAR ON THE BASELINE PARCEL ROSTER, BUT ARE NO LONGER CULTIVATED.  ENUMERATOR: THIS SHOULD BE THE SAME AS IN MODULE 1. IF NEW PARCEL, BE SURE TO INDICATE A NEW PARCEL ID NUMBER [FOR EXAMPLE, "NP1", "NP2", etc.]	BASELIN	IE PARCEL ID IE PARCEL ID IE PARCEL ID
P12	LIST THE PARCEL ID FOR THE PARCEL FOR WHICH YOU ARE ABOUT TO ADMINISTER QUESTIONS P13-76	BASELINE PARCEL ID	
P12a	[TREATMENT VERSION ONLY]: Is this parcel currently enrolled in the CCSP program?	1=YES	2=NO
P13	Is [RESPONDENT] still the primary cultivator of this parcel?	1=YES >> P14	2=NO
P13a	If no, do you know the <b>current</b> Primary Cultivator of this parcel?	1=Yes	2=NO>>76
P13b	What is the name of the current primary cultivator?	NAME	
P13c	What is this person's telephone number?	>>Q76 [NEXT PAF	RCEL]
P14	Was this parcel captured on the baseline parcel roster? ENUMERATOR: REFER TO THE BASELINE PARCEL LISTING TO CONFIRM THIS.	1=YES >>P15	2=NO
P14a	If no, please provide a brief description of the location.	[ALLOW AS MANY CHARACTERS AS P	OSSIBLE]
P14b	What is the size of this parcel?	_ .  QUANTITY	UNIT 1=HECTARES 2=ACRES
P14c	How did the primary cultivator obtain the right to use this parcel?	1=Allocated Free >> P15 2=Inherited >> P15 3=Purchased >> P15 4=Hire-in/Sublet-in 555=Other (Specify) >> P15	
P14d	If Hire-in/Sublet-in, what is the name of the owner?	NAME	
P14e	What is the owner's telephone number?		
P15	Was any portion of this parcel left fallow for the 2013 Minor Season?	1=NONE OF PARCEL	3=ALL OF PARCEL >> Q76 (NEXT PARCEL)
P16	How many [HECTARES/ACRES] of the parcel were <b>planted</b> this season?	2=PART OF PARCEL	UNIT 1=HECTARES 2=ACRES
1	Have you applied any herbicide to this parcel since [DATE OF LAST INTERVIEW]?	1=YES	2=NO >> Q6
2	On what day did you apply this herbicide?	MONTH	_  DAY

	DWILLE Form of the state of the	I	
3	Which type of herbicide did you apply?	1=SOLITO 2=PROPANIL 3=24-D 4=BASAGRAN 5=CORN DUST 6=RUN UP 7=HORIZON PLUS 8=STAMP 9=ORESO PLUS 10=STUNPFM 11=BOUNTY 12=SUNPHOSATE 13=EWURA WURA -555=OTHER (SPECIFY)	
3a	[CONTROL VERSION ONLY]: [IF 13==1 (SOLITO) &13a==1]: What was the source of this herbicide?	ENUMERATOR: DO NOT READ RESPONSE CODES TO RESPONDENT  1=GADCO/COPA-CONNECT 2=WIENCO 3=SHOP 4=A FRIEND -555=Others(Specify)	
4	How much herbicide (before mixing with water) was used for this application?  ENUMERATOR: PLEASE NOTE QUANTITY AND UNIT  1=Milk Tin (40ml) 2=Tomato Tin (20ml) 3=Liter 4=Cap 5=Sachet 6=Bottle -555=Other (Specify)	_  Quantity	<u> </u>   Unit
5	Did you apply herbicide an additional time?	1=YES >> LOOP TO Q2	2=NO
6	Have you applied any insecticide to this parcel?[SINCE DATE OF LAST	1=YES	2=NO >> Q11
7	INTERVIEW] On what day did you apply this insecticide?	MONTH	DAY
8	Which type of insecticide did you apply?	1=EFORIA 2=CYPERMETRIN 3=KARATE 4=CONTROLLER 5=BOOST EXTRA 6=DURSBAN 4E 7=POWER 8=SEMETOE -555= OTHER (SPECIFY)	
9	How much insecticide (before mixing with water) was used for this application?  ENUMERATOR: PLEASE NOTE QUANTITY AND UNIT  1=Milk Tin (40ml) 2=Tomato Tin (20ml) 3=Liter 4=Cap 5=Sachet -555=Other (Specify)	_  Quantity	Unit
10	Did you apply insecticide an additional time?	1=YES >> LOOP TO Q7	2=NO
11	Did you apply any fungicide to this parcel since [DATE OF LAST INTERVIEW]?	1=YES	2=NO >> Q16
12	On what day did you apply this fungicide?	_ MONTH	_  DAY

13	Which type of fungicide did you apply?  How much fungicide (before mixing with water) was used for this application?  ENUMERATOR: PLEASE NOTE QUANTITY AND UNIT	1=AMISTAR TOP 2=MANCOZEB 3=TOPSIN M 4=TRYMANGOR 5=QUANTIZIP 6=SULPHUR 80 7=FURADAN -555=OTHER (SPECIFY)	
14	1=Milk Tin (40ml) 2=Tomato Tin (20ml) 3=Liter 4=Cap 5=Sachet -555=Other (Specify)	_  Quantity	_  Unit
15	Did you apply fungicide an additional time?	1=YES >> LOOP TO Q12	2=NO
16	Did you apply any fertilizer to this parcel since [DATE OF LAST INTERVIEW]?	1=YES	2=NO >> Q21
17	On what day did you apply fertilizer to this parcel?	MONTH	_  DAY
18	Which type of fertilizer did you apply?  [RECORD ONLY ONE APPLICATION AND TYPE OF FERTILIZER IN EACH LOOP]  How many 50 KG Bags did you apply?	1=NPK/ACTIVIA 2=UREA 3=AMONIA 4=-555 OTHER (SPECIFY) BAGS	
	Did you apply fertilizer an additional time?	1=YES >> LOOP TO Q17	2=NO
21	On what date did you <b>begin</b> cutting the rice crop on this parcel for harvest?	_  MONTH	_  DAY
22	On what date did you <b>complete</b> threshing the rice crop from this parcel?	_  MONTH	_  DAY
23	How did you cut the crop on this parcel during the harvest?	1=Combine >>Q26 2=Other Cutting Machine 3=Manually>>Q25	
24	What was the total cost to hire this machine, including chop money for the operator and tip??  [IF OWNED, ENTER -111]		
25	How was the threshing done during the harvest?	1=Combine 2=Threshing Machine 3=Manually >> Q27	
26	What was the total cost to hire this machine, including chop money for the operator and tip??  [IF OWNED, ENTER -111]	[ _ GHC	
27	What was the total quantity of paddy harvested from this parcel? [AFTER THRESHING AND BEFORE DRYING]  1=Headpan (15KG) 2=Bucket (15KG) 3=GMG Mini (45KG) 4=GMG Maxi (90KG) 5=Bag # 3 (45KG) 6=Bag # 4 (60 KG) 7=Bag # 5 (135 KG) [For Weta] 10=Bowl/Alonka 96=OTHER (SPECIFY)	L   QUANTITY	_ UNIT

27A	FOR CONTROL: What was the total quantity of paddy harvested from this parcel? [AFTER DRYING - BEFORE ANY MILLING]  1=Headpan (15KG) 2=Bucket (15KG) 3=GMG Mini (45KG) 4=GMG Maxi (90KG) 5=Bag # 3 (45KG) 6=Bag # 4 (60 KG) 7=Bag # 5 (135 KG) [For Weta] 10=Bowl/Alonka 96=OTHER (SPECIFY)  FOR TREATMENT: WHAT WAS THE TOTAL QUANTITY OF PADDY THAT WAS GIVEN TO GADCO FROM THIS PARCEL? [AFTER THRESHING]	_  QUANTITY	<u> </u>  UNIT
27B	1=Headpan (15KG) 2=Bucket (15KG) 3=GMG Mini (45KG) 4=GMG Maxi (90KG) 5=Bag # 3 (45KG) 6=Bag # 4 (60 KG) 7=Bag # 5 (135 KG) [For Weta] 10=Bowl/Alonka 96=OTHER (SPECIFY)	_  QUANTITY	<u> </u>  UNIT
27C	FOR TREATMENT: WHAT WAS THE TOTAL QUANTITY OF PADDY THAT WAS KEPT FOR YOUR OWN USE FROM THIS PARCEL? [AFTER THRESHING AND BEFORE DRYING] [ENUMERATOR: CHECK THAT THE QUANTITIES GIVEN TO GADCO AND KEPT FOR OWN USE ADD UP TO THE TOTAL QUANTITY HARVESTED]  1=Headpan (15KG) 2=Bucket (15KG) 3=GMG Mini (45KG) 4=GMG Maxi (90KG) 5=Bag # 3 (45KG) 6=Bag # 4 (60 KG) 7=Bag # 5 (135 KG) [For Weta] 10=Bowl/Alonka 96=OTHER (SPECIFY)	_  QUANTITY	UNIT
28	Did you hire any <b>permanent laborers</b> during the 2013 Minor Season?	1=YES	2=NO
28A	Now I would like to ask you about the number of days that laborers contributed to fungicide, insecticides) [SINCE DATE OF LAST INTERVIEW]	o applying fertilizer and crop prote	ection chemicals (herbicide,
29	Male family members of age 18 or older		LABOR DAYS
30	Female family members of age 18 or older		LABOR DAYS
31	Family members of age 17 or younger		LABOR DAYS
32	Permanent laborers		LABOR DAYS
33	Did you hire any casual group laborers?	1=YES	2=NO >> Q35
34	How much in total did you pay for this work?		_   GHC
35	Did you hire any casual individual laborers?	1=YES	2=NO >> Q37A
36	How many person days did these individual laborers work in total?	_  LABOR DAYS	
	How much did you pay for this work?		
37	ENUMERATOR: PLEASE NOTE QUANITITY AND UNIT  1=WAGE PAID PER DAY PER INDIVIDUAL LABORER (WAGE RATE)  2=TOTAL SUM PAID TO ALL INDIVIDUAL LABORERS (ALL DAYS AND LABORERS COMBINED)	<u> </u>    GH	C UNIT
37A	Now I would like to ask you about the number of days that laborers contributed t	o scaring birds [ SINCE DATE O	FLAST INTERVIEW]
38	Male family members of age 10 or older		LABOR DAYS
	Male family members of age 18 or older		
39	Female family members of age 18 or older		LABOR DAYS

42	Did you hire any casual group laborers?	1=YES	2=NO >> Q44		
43	How much in total did you pay for this work?		GHC		
44	Did you hire any casual individual laborers?	1=YES	2=NO >> Q46A		
	How many person days did these individual laborers work in total?				
45		LABOR DAYS			
	Harrison I. P. Larrison for the control of				
	How much did you pay for this work?				
	ENLINEDATOR RICEAGE MOTE OLIANITITY AND LINET				
	ENUMERATOR: PLEASE NOTE QUANITITY AND UNIT				
46		GHC	UNIT		
	1=WAGE PAID PER DAY PER INDIVIDUAL LABORER (WAGE RATE)				
	2=TOTAL SUM PAID TO ALL INDIVIDUAL LABORERS (ALL DAYS AND				
	LABORERS COMBINED)				
46A	Now I would like to ask you about the number of days that laborers contributed to	handpicking/weeding. [SINCE DATE OF I	LAST INTERVIEW]		
47	Male family members of age 18 or older	I I I IIAPOI	R DAYS		
47					
	Female family members of age 18 or older	III	R DAYS		
49	Family members of age 17 or younger		R DAYS		
50	Permanent laborers	I——I——I	R DAYS		
	Did you hire any casual group laborers?	1=YES	2=NO >> 53		
	How much in total did you pay for this work?		GHC		
53	Did you hire any casual individual laborers?	1=YES	2=NO >> 55A		
54	How many person days did these individual laborers work in total?	_  LABOI	R DAYS		
	How much did you pay for this work?				
	ENUMERATOR: PLEASE NOTE QUANITITY AND UNIT				
55		_  GHC	UNIT		
"	1=WAGE PAID PER DAY PER INDIVIDUAL LABORER (WAGE RATE)		S		
	2=TOTAL SUM PAID TO ALL INDIVIDUAL LABORERS (ALL DAYS AND				
	LABORERS COMBINED)				
	ENDOTICING COMBINED)				
	Now I would like to ask you about the number of days that laborers contributed to	harvest activities on this parcel, including	cutting, preparation of		
55A	threshing ground, threshing, transportation of output to roadside, drying, winnowir	ng and bagging of rice (Do not include the	cost of transport from		
	roadside to the drying floor or from the drying floor to market).				
	Mails from the manufacture of a metal on	I I I IIADOI	DAVE		
56	Male family members of age 18 or older	I——I——I	R DAYS		
57	Female family members of age 18 or older	III	R DAYS		
58	Family members of age 17 or younger	III	R DAYS		
59	Permanent laborers		R DAYS		
	Did you hire any casual group laborers?	1=YES	2=NO >> 62		
	How much in total did you pay for this work?	III	GHC		
62	Did you hire any casual individual laborers?	1=YES	2=NO >> 64A		
63	How many person days did these individual laborers work in total?	_  LABOI	R DAYS		
	How much did you pay for this work?				
	ENUMERATOR: PLEASE NOTE QUANITITY AND UNIT				
64			UNIT		
	1=WAGE PAID PER DAY PER INDIVIDUAL LABORER (WAGE RATE)	<u> </u>	·		
	2=TOTAL SUM PAID TO ALL INDIVIDUAL LABORERS (ALL DAYS AND				
	LABORERS COMBINED)				
	What was the total amount paid for transport of this parcel's rice crop from				
64a	roadside to the drying floor and from the drying floor to market?	GHC			
<b>-</b>	, ,	<u> </u>			
65A	Now I would like to ask you about the number of days that laborers contributed to	any other activities not previously mention	ned. EXCLUDING LAND		
054	PREPARATION AND PLANTING ACTIVITIES				
	Did laborers contribute any days to other activities not previously mentioned?				
65	Did laborers contribute any days to other activities not previously mentioned:	1=YES	2=NO >> 76		
66	What was the name of the activity?	<u> </u>	1		
			B DAVE		
67	Male family members of age 18 or older		R DAYS		
68	Female family members of age 18 or older	111	R DAYS		
	Family members of age 17 or younger		R DAYS		
	Permanent laborers		R DAYS		
	Did you hire any casual group laborers?	1=YES	2=NO >> 73		
72	How much in total did you pay for this work?		GHC		
73	Did you hire any casual individual laborers?	1=YES	2=NO >> 76		
74	How many person days did these individual laborers work in total?		RDAYS		
	How much did you pay for this work?				
1					
	ENUMERATOR: PLEASE NOTE QUANITITY AND UNIT				
75		_  GHC	UNIT		
	1=WAGE PAID PER DAY PER INDIVIDUAL LABORER (WAGE RATE)				
	2=TOTAL SUM PAID TO ALL INDIVIDUAL LABORERS (ALL DAYS AND				
l	LABORERS COMBINED)				

76	Would you like to include information for another parcel?  ENUMERATOR: PLEASE RECORD INFORMATION FOR ALL IRRIGATION SCHEME PARCELS THAT ARE CURRENTLY CULTIVATED BY [PRIMARY CULTIVATOR] AS WELL AS ANY IRRIGATION SCHEME PARCELS THAT APPEAR ON THE BASELINE PARCEL ROSTER, BUT ARE NO LONGER CULTIVATED.	1=YES >> LOOP TO P12	2=NO
77	How much in total did you pay to <b>permanent laborers</b> during the entire minor season of 2013? [IF NO PERMANET LABORES HIRED, ENTER 0 ]	GHC	
78	How old is [PRIMARY RESPONDENT] in completed years?	_  AGE	
79	On which month and week do you expect to plant in the 2014 Major Season?	_  MONTH	_  WEEK
80	END TIME OF INTERVIEW (24HRS)	HRS	MINS

## TREATMENT GROUP ONLY

#	EXTENSION WORKER: PLEASE EXAMINE THE FIELD WITH THE FARMER	Value
	HAS THE FIELD BEEN DRAINED?	
1	1=YES 2=NO	
	ARE THERE WEEDS ON THE PLOT?	
2	1=YES 2=NO>>SKIP	
	WHAT IS THE AVERAGE LEAF STAGE OF THE LEAVES?	
3	[FILL RESPONSE CODES]	
	ENTER THE CODE OF THE PHOTO THAT MOST CLOSELY RESEMBLES THE LEAVES [LAMINATED PHOTO SHEET TO BE	
4	PROVIDED]	
	WHAT IS THE NUMBER OF TILLERS PER SQURE METER?	
5	IF GREATER THAN 'X' >> 7	
6	IF LOW PLANT DENSITY, IS THERE ANY FILLING?	
7	WHAT IS THE SOIL MOISTURE CONTENT?	
	ARE INSECTS DAMAGING THE PLANTS?	
8	1=YES 2=NO>>	
	WHAT TYPE OF DAMAGE DID THE INSECTS LEAVE?	
9	[FILL RESPONSE CODES]	
	ENTER THE CODE OF THE PHOTO THAT MOST CLOSELY RESEMBLES THE INSECT DAMAGE [LAMINATED PHOTO	
10	SHEET TO BE PROVIDED]	
	ARE THERE SYMPTOMS OF BLAST INFECTION?	
11	1=YES 2=NO >> 14	
	WHAT IS THE DISEASE SEVERITY?	
	1=VERY HIGH SEVERITY	
1	2=MODERATE SEVERITY	
12	3=LOW SEVERITY	
12	ENTER THE CODE OF THE PHOTO THAT MOST CLOSELY RESEMBLES THE BLAST INFECTION [LAMINATED PHOTO	
13	SHEET TO BE PROVIDED]	
	ARE THE PLANTS SHOWING SIGNS OF NUTRIENT DEFICIENCY?	
14	1=YES 2=NO	