REPUBLIC OF ZAMBIA
Ministry of Agriculture & Cooperatives and Central Statistical Office
Crop Forecast Survey 2009/2010
(For small and medium scale holdings)

IDENTIFICATION PARTICULARS

1.	Cluster Number	**CLUSTER**				
2.	Province	**PROV**				
3.	District	**DIST**				
4.	Constituency	**CONST**				
5.	Ward	**WARD**				
6.	Region	**REGION** *1 = Rural 2 = Urban*				
7.	CSA Number	**CSA**				
8.	SEA Number	**SEA**				
9.	Village/Locality Name					
10.	Household Serial Number	**HH**				
11.	Category	**CATEGORY** *1 =A, 2 =B, 3 =C*				
12	Name of Household Head					
13.	Name of Main Respondent (If different from head)					
14.	RESPONSE STATUS *1=Complete 2=Refusal 3=Moved out of SEA 4=Non-contact 5=Household dissolved*	**RSTATUS**				

	ASSIGNMENT RECORD				Day/	Mon/	Year
15.	a. Name of Enumerator:	**ECODE**		Date completed			2010
	b. Name of Supervisor:	**SCODE**		Date checked			2010

SECTION 1: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS

Enumerator: Ask and list the names of all current household members. Then ask the following questions for each of the members. If this household is part of a polygamous family, ask only about the household members at this particular household.   *Note: MEM 1 must be head of the household.*

Table 1.1 Key Variables: CLUSTER, HH, MEM   *Reference Period: Date of interview (Today)*   *Demog.sav*

ID	Name *(Start with the head of household)* *Enter surname first*	What is the **sex** of .... ? *1=male* *2=female*	What is the **relationship** of … to the **current** head? *(See code below)*	In which **year** was this person born?	*Enumerator: Ask only for persons born before 1998 (12 years and above)* What is the **marital status** of …..? *(See code below)*	*Enumerator: Ask only for persons born before 2005 (5 years and above)* What is the **highest** level of education …….completed? *(For students at college/university, use codes 15 & 16)* *(See codes below)*
MEM	**NAME**	**CFD01**	**CFD02**	**CFD03**	**CFD04**	**CFD05**
1	*(HH head)*		**1**			
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						

Relationship to head (CFD02)		Marital Status (CFD04)	Education levels (CFD05)		
1= head	8= son/daughter-in-law	1 = never married	00=None	06=Standard 5; Grade 6	13= Form 6 Lower
2= spouse	9= brother/sister-in-law	2 = monogamously married	01=Sub-standard A; Grade 1	07=Standard 6; Grade 7	14= Form 6 Upper
3= own child	10= parent-in-law	3 = polygamously married	01=Sub-standard B; Grade 1	08=Form 1; Grade 8	15= College Student
4= step child	11= grandchild	4 = divorced	02=Standard 1; Grade 2	09=Form 2; Grade 9	16=Undergraduate student
5= parent	12=other relative	5 = widowed	03=Standard 2; Grade 3	10=Form 3; Grade 10	17=Certificate/Diploma
6= brother/sister	13=unrelated	6 = separated	04=Standard 3; Grade 4	11= Form 4; Grade 11	18= Bachelors Degree
7= nephew/niece		7 = cohabiting	05=Standard 4; Grade 5	12= Form 5; Grade12	19= Masters degree & above

1

SECTION 2: FARM LAND AND USE

2.1 Has any member of this household planted/grown any crop, including cassava, this agricultural season (2009/2010)?   *1=Yes   2=No*
 (Include perennial crops planted outside this season)

HH01	

Sketch all fields that the household has (cultivated fields, borrowed out fields, rented out fields, fallow fields, orchards, gardens, and virgin land). Also include all borrowed in or rented in fields that were used for the 2009/2010 agricultural season. Serially number all fields starting with mono-cropped fields, followed by fields in mixture without cassava, fields in mixture with cassava and end with pure cassava fields (including rented in and borrowed in fields). List all other fields including gardens, fallow fields and virgin fields last.
Important note: Please also sketch cassava fields that may not exist now but were in existence when the season started on 1ˢᵗ October 2009.

Table 2.1 – Summary of Cropped Fields

Enum: Fill this table Before leaving the household		
Crop Name	**Crop Code (Enter 00 for crop mixtures**	**Number of Fields**
	CFSN01	**CFSN02**
Total number of cropped fields		

Crop Codes CFSN01					
1= Maize	6 = Groundnuts	11 = B. tobacco	16 = Coffee	21=other crops (specify)	
2 = Sorghum	7 = Soybeans	12= Mixed beans	17=Sweet potatoes	22=Paprika	
3 = Rice	8 = Seed Cotton	13= Bambara nuts	18=Cassava	25=Pineapples	
4 = Millet	9=Irish potatoes	14=Cowpeas	19=Kenaf	60=Popcorn	
5 = Sunflower	10 = V. tobacco	15 = Velvet beans	20=Cashew nuts	61=Sugar Cane	
00=ALL CROP MIXTURES					

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2.2 *Enumerator: According to the sketch, how many fields (including virgin land) did the household indicate that they had in the 2009/2010 agricultural season?*

Table 2.2 Fields Key Variables: CLUSTER, HH, FIELD Reference Period: 2009/2010 agricultural season **Field.sav**

Field ID	What is the land-use of this field? *(Enumerator: Transfer land use from the field sketch)* 1=own cultivated field 2= rented-in cultivated field (paid in cash or in-kind) 3=borrowed in cultivated field (without payment) 4=garden 5= orchard 6=fallow 7=rented-out 8=borrowed out 9=virgin land 10=other (specify) _____	What is the area of this field? *(Enumerator: Transfer from the sketch)* Quantity	Unit 1=lima 2=acre 3=hectare 4=square metre	*Enumerator: Transfer from Sketch (Ask only if CFL01 = 1, or =2, or= 3)* Is this field a mono-crop or mixture? 1=Mono-crop 2=Mixture	**Enum: ask only if CFL01=6 (fallow)** What was the main reason you did not cultivate this field? 1= need to rest the soil 2=not enough labour 3=land not productive 4=inadequate seed and fertilizer 5= inadequate implements / draught power 6=other use of labor more important 7=field too far 9=water logging 10=illness/death 11=animal destruction 12=other (specify) _____	*Enum: ask only If CFL01= 6 or =7 or= 8 or =9 (fallow=6 or rented out=7 or borrowed out=8 or virgin=9)* Does the household plan to plant any crop in this field next agriculture season 2010/11? 1 = Yes 2 = No - →skip to next field 3 =Do not know → skip to next field	*Enum: ask only if CFL06=1 (Yes)* What main crop does the household intend to plant in this field next agriculture season, 2010/2011? *See crop codes below*
FIELD	**CFL01**	**CFL02**	**CFL03**	**CFL04**	**CFL05**	**CFL06**	**CFL07**
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Crop Codes CFL07						
1= Maize	5 = Sunflower	9=Irish potatoes	13= Bambara nuts	17=Sweet potatoes	21 Other field crop (specify)	61=Sugar Cane
2 = Sorghum	6 = Groundnuts	10 = V. tobacco	14=Cowpeas	18=Cassava	22=Paprika	
3 = Rice	7 = Soybeans	11 = B. tobacco	15 = Velvet beans	19=Kenaf	25=Pineapples	
4 = Millet	8 = Seed Cotton	12= Mixed beans	16 = Coffee	20=Cashew nuts	60=Popcorn	

Field ID	What is the land-use of this field? *(Enumerator: Transfer land use from the field sketch)* *1=own cultivated field* *2= rented-in cultivated field (paid in cash or in-kind)* *3=borrowed in cultivated field (without payment)* *4=garden* *5= orchard* *6=fallow* *7=rented-out* *8=borrowed out* *9=virgin land* *10=other (specify) _____*	What is the area of this field? *(Enumerator: Transfer from the sketch)*		*Enumerator: Transfer from Sketch (Ask only if CFL01 = 1, or =2, or =3)* Is this field a monocrop or mixture? *1=Monocrop* *2=Mixture*	*Enum: ask only if CFL01=6 (fallow)* What was the main reason you did not cultivate this field?		*Enum: ask only If CFL01= 6 or= 7 or= 8 or =9 (fallow=6 or rented out=7 or borrowed out=8 or virgin=9* Does the household plan to plant any crop in this field next agriculture season 2010/11? *1 = Yes* *2 = No - →skip to next field* *3 =Do not know → skip to next field*	*Enum: ask only if CFL06=1 (Yes)* What main crop does the household intend to plant in this field next agriculture season, 2010/2011? *See crop codes below*
		Quantity	Unit *1=lima* *2=acre* *3=hectare* *4=square metre*		*1= need to rest the soil* *2=not enough labour* *3=land not productive* *4=inadequate seed and fertilizer* *5= inadequate implements / draught power*	*6=other use of labor more important* *7=field too far* *9=water logging* *10=illness/death* *11=animal destruction* *12=other (specify) _____*		
FIELD	**CFL01**	**CFL02**	**CFL03**	**CFL04**	**CFL05**		**CFL06**	**CFL07**
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Crop Codes CFL07					
1= Maize	5 = Sunflower	9=Irish potatoes	13= Bambara nuts	17=Sweet potatoes	22=Paprika
2 = Sorghum	6 = Groundnuts	10 = V. tobacco	14=Cowpeas	19=Kenaf	25=Pineapples
3 = Rice	7 = Soybeans	11 = B. tobacco	15 = Velvet beans	20=Cashew nuts	60=Popcorn
4 = Millet	8 = Seed Cotton	12= Mixed beans	16 = Coffee	21 Other field crop (specify)	61=Sugar Cane

2.3 CROP FORECAST – MONO-CROPPED FIELDS ONLY (Enumerator: ask only if hh had Crops during 2009/2010 season)

Enumerator: Transfer field numbers from the sketch for mono-cropped fields. Ask the following questions for each of the fields the household MONO-CROPPED in 2009/2010 agricultural season. Exclude all cassava fields. Calculate the quantity harvested / expected to be harvested in kilograms (kgs) for seed cotton, Virginia tobacco, Burley tobacco, paprika and coffee.

Table 2.3 Mono-cropped fields   Key Variables: CLUSTER, HH, FIELDA, CROPA   Reference period: The current agricultural season (2009/2010)   crop.sav

Field ID Number the fields serially Exclude garden, orchard, fallow etc	Crop code *Enter correct crop code for each field* *See codes below*	What was the main tillage method used? *See codes below*	When was tillage done? *1= before the rains* *2= during the rains*	What is the AREA planted under this crop?		What portion of the AREA planted will be harvested or is expected to be harvested?		*Enumerator: Is the area harvested or expected to be harvested equal to area planted?* *1=Yes→ skip to CF09A* *2=No*	*Ask if CF07A is 2(No)* What is the main reason for not harvesting or not expecting to harvest the whole area planted? *See codes below*	What main seed variety did you plant? *See code sheet on the next page.*	What type and quantity of basal dressing fertilizer did you apply?		What type and quantity of top dressing fertilizer did you apply?		What quantity of this crop have you harvested/do you expect to harvest from this field?		Does the household plan to plant any crop in this field next agriculture season 2010/11? *1 = Yes* *2 = No → skip to next field* *3 =Do not know → skip to next field*	*Enum: ask only if CF16A=1 (Yes)* What main crop does the household intend to plant in this field next agriculture season, 2010/11? *See crop codes below*
				Qty	Unit *1 = Lima 2 = Acre 3 = Ha 4 = sq metres*	Qty	*(Report Same unit as CF04A)* Unit *1 = Lima 2 = Acre 3 = Ha 4=sq metres*				Type *See codes below - if none enter 0 and skip to CF12A*	Quantity *(kgs)*	Type *See codes below - if none enter 0 and skip to CF14A*	Quantity *(kgs)*	Qty	Unit *See codes below*		
FIELDA	CROPA	CF01A	CF02A	CF03A	CF04A	CF05A	CF06A	CF07A	CF08A	CF09A	CF10A	CF11A	CF12A	CF13A	CF14A	CF15A	CF16A	CF17A

CF01A	Crop codes (CROPA, CF17A)		CF08A		Unit (CF15A)		BASAL FERT (CF10A)	TOP DRESSING FERT (CF12A)
1 = conventional hand hoeing	1= Maize	13= Bambara nuts	1 = water logging	11=lack management experience	1 = 90kg bag	12=Meda	0 = None	0 = None
2= planting basins (pot-holes)	2 = Sorghum	14=Cowpeas	2 = wilting due to drought	12=received bad advice	2 = 50kg bag	13=bunches	1 = Compound D	1 = Urea
3=zero tillage	3 = Rice	15 = Velvet beans	3 = animal/bird destruction	13=not enough labour	3 = 25kg bag	14=Muchumbu	2 = Compound X	2 = Ammonium Nitrate
4=ploughing	4 = Millet	16 = Coffee	4 = field not weeded, weeded late	14=dont know	4 = 10kg pocket/bag	15=ka B.P.	3 = Compound S	3 = CAN(calcium ammon. nitr)
5=ripping	5 = Sunflower	17=Sweet potatoes	5 = pests and diseases	16=seeds not good	5 = 20lt tin	16=crates	4 = Triple Super Phosphate (TSP)	4 = Do not know
6=ridging	6 = Groundnuts	19=Kenaf	6 = fire	17=planted late	6 = 90kg bag unshelled/unpolished	17=tonnes	5 = Single Super Phosphate(SSP)	
7=bunding	7 = Soybeans	20=Cashew nuts	7 = theft	18=eaten fresh	7 = 50kg bag unshelled/unpolished	18=boxes	6 = Compound R	
	8 = Seed Cotton	21=Other crops	8 = floods, heavy rain	15= other specify	8 = 25kg bag unshelled/unpolished	19=number	7 = Do not know	
	9=Irish potatoes	22=Paprika	9 = soils generally bad	_____	9=10kg bag unshelled	20=kilogram (kg)		
	10 = V. tobacco	25=Pineapples	10=lack of fertiliser		10=20lt tin unshelled/unpolished			
	11 = B. tobacco	60=Popcorn			11=5lt/gallon			
	12= Mixed beans	61=Sugar Cane						

Seed variety codes

Maize
68 = Local maize
69 = Hybrid maize - non specific
70 = Recycled hybrid maize
71 = OPV maize

ZAMSEED
1 = Pool 16 (OP)
19 = GV 61 Yellow
6 = GV 408
3 = GV 412
5 = GV 470
12 = GV 512
13 = GV 607
14 = GV 702
15 = GV 703
18 = GV 704
16 = GV 722
4 = MM 441
7 = MM 501
8 = MM 502
9 = MM 601
10 = MM 603
11 = MM 604
177=MM 606
17 = MM 752
2 = MMV 400 (OP)
178= MMV 600 (OP)
141 = ZMS 402
179= ZMS 510
180= ZMS 528
181= ZMS 602
142 = ZMS 606
143 = ZMS 607
182= ZMS 616
144 = ZMS 737
145 = ZMV 600

ZARI-MACO
146 = ZM 421
147 = ZM 521 (OP)
148 = ZM 621

AFGRI Cooperation
183= AFRIC 1 (OP)
184 = AFG 4611
185 = AFG 4663

Maize (cont'd)

PANNAR
186=PAN 4M – 17
187=PAN 4M – 19
188=PAN 6M – 55
152 = PAN 7M – 97
189=PAN 8M – 91
190=PAN 8M - 95
31 = PAN 14 (Y)
191=PAN 53
192=PAN 57
29 = PAN 61
24 = PAN 64
22 = PAN 67 - African Queen
153 = PAN 69
149 = PAN 77
26 = PAN 87
193=PAN 413
150 = PAN 5503
151 = PAN 6017
23 = PAN 6243 - in a class of its own
20 = PAN 6363 - Chipolopolo
25 = PAN 6479
21 = PAN 6549 - Mr. Reliable
27 = PAN 6573
28 = PAN 6777
30 = PAN 6823
154 = PAN 6966 (Y)

MRI
194=MRI EP (OP)
195=MRI MP (OP)
196=MRI 404
67 = MRI 455
66 = MRI 514
157 = MRI 534
65 = MRI 594
63 = MRI 611
64 = MRI 614
62 = MRI 624
61 = MRI 634
158 = MRI 644
60 = MRI 651 (Y)
159 = MRI 694
197= MRI 704
161 = MRI 711 (Y)
160 = MRI 714
57 = MRI 724
59 = MRI 734
58 = MRI 744

Maize (cont'd)

SEED-CO
56 = SC 206 (Y)
47 = SC 401
48 = SC 403
49 = SC 405
50 = SC 407
198=SC 411
42 = SC 501
55 = SC 506 (Y)
44 = SC 513
43 = SC 515
45 = SC 517
46 = SC 521
199=SC 525
40 = SC 601
53 = SC 602 (Y)
54 = SC 604 (Y)
41 = SC 621
39 = SC 625
38 = SC 627
155 = SC 633
200=SC 637
36 = SC 701
51 = SC 704 (Y)
52 = SC 706 (Y)
37 = SC 707
32 = SC 709
35 = SC 711
33 = SC 713
34 = SC 715
201=SC 719

Progene Seeds
202=PGS 53

Monsanto
203=DK 8031
204=DK 8051
205=DK 8071
206=DKC 8033
207=DKC 8053
208=DKC 8073

Sorghum
81 = Local sorghum
82 = Hybrid sorghum
83 = Recycle hybrid sorghum
84 = OPV sorghum

ZAMSEED
75 = KUYUMA
76 = SIMA
77 = ZSV 15
78 = WP 13
162 = MMSH 375
163 = MMSH 413

SEED-CO
79 = MACIA (OP - white)
80 = NS5511 (Hybrid - brown)

Sunflower

90 = Local sunflower
91 = Hybrid sunflower
92 = Recycled hybrid sunflower
93 = OPV sunflower

ZAMSEED
85 = MILIKA
86 = RECORD

PANNAR
87 = PAN 7369
88 = PAN 7353
89 = PAN 7351

Groundnuts
99 = Local groundnuts
100 = Hybrid groundnuts
101 = Recycled hybrid groundnuts
102 = OPV groundnuts

ZAMSEED
94 = CHIPEGO
95 = MGV-4
96 = CHALIMBANA
164 = FLAMINGO

SEED-CO
97 = FLAMINGO
98 = NYANDA

Soyabeans
109 = Local soyabeans
110 = Hybrid soyabeans
111 = Recycled hybrid soyabeans
112 = OPV soyabeans

ZAMSEED
103 = KELEYA
104 = MAGOYE
165 = HERNON-147

MRI
166 = DINA
167 = MILA

SEED-CO
105 = STORM
106 = SOLITAIRE
107 = SOPRANO
108 = SAFARI

Cowpeas
115 = Local cowpeas
116 = Hybrid cowpeas
117 = Recycled hybrid cowpeas
118 = OPV cowpeas

ZAMSEED
113 = LUTEMBWE
114 = BUBEBE

Tobacco

BURLEY
119=Bunckett
120=BO 1
121=BO 2
122=BO 3
123=A 1
124=A 2
125=A3

VIRGINIA
126=HG
127=T26
128=RK326
129=T29

Cotton
130= F135
131= Chureza
132= Ngwezi
133= CDT 1

Sweet Potatoes
300 = Chingovwa
301 = Mulungushi
302 = Lukulu
303 = Kalungwishi
304 = Lunga
305 = Zambezi
306 = other improved varieties
307 = local sweet potato varieties

Other crops not listed
134= Local
135=Improved

SEED COMPANIES
136= ZAMSEED
137= PANNAR
138= SEED-CO
139= MRI
209= AFGRI Coop
210= MONSANTO
211= PROGENE SEEDS
212= PIONEER
213= KAMANO
214= OTHER COMPANY

140 = Do not know

2.4 CROP FORECAST – FIELDS IN CROP MIXTURE ONLY (Enumerator: ask only if hh had Crops during 2009/2010 season)

Enumerator: Please transfer the data for all the fields the household had in CROP MIXTURE from the sketch to the table below and ask additional questions on each CROP in the mixture.
Include all fields crop mixed with cassava but do not ask about cassava. Calculate the quantity harvested/expected to be harvested in <u>kilograms (kgs) for seed cotton, virginia tobacco, burley tobacco, paprika and coffee.</u>

Table 2.4   *Key Variables: CLUSTER, HH, FIELDB, CROPB*   **Reference period: The current agricultural season (2009/2010)**   **crop.sav**

Field ID Number the fields serially Exclude garden, orchard, fallow etc	Crop code **Enter correct crop code for each field** *see codes below*	What was the main tillage method used? *See codes below*	When was tillage done? *1= before the rains* *2= during the rains*	What is the area planted under this crop?		What area is harvested or expected to be harvested?		*Enumerator: Is the area harvested or expected to be harvested equal to area planted?* *1=Yes → skip to CF09B* *2=No*	*Ask if CF07B is 2(No)* What is the main reason for not harvesting or not expecting to harvest the whole area planted? *See codes below*	What main seed variety did you plant? *See code sheet on the next page..*	What **type and quantity of basal dressing** fertilizer did you apply?		What **type and quantity of top dressing** fertilizer did you apply?		What quantity of this crop have you harvested/do you expect to harvest from this field?		Does the household plan to plant any crop in this field next agriculture season 2010/11? *1 = Yes* *2 = No → skip to next field* *3 =Do not know → skip to next field*	*Enum: ask only if CF16B=1 (Yes)* What main crop does the household intend to plant in this field next agriculture season, 2010/11? *See crop codes below*
				Qty	Unit 1 = Lima 2 = Acre 3 = Ha 4=sq metres	Qty	*(Report Same unit as CF04A)* Unit 1 = Lima 2 = Acre 3 = Ha 4=sq metres				Type *See codes below- if none skip to CF12B*	Quantity *(kgs)*	Type *See codes below - if none skip to CF14B*	Quan-tity *(kgs)*	Qty	Unit *See codes below*		
FIELDB	CROPB	CF01B	CF02B	CF03B	CF04B	CF05B	CF06B	CF07B	CF08B	CF09B	CF10B	CF11B	CF12B	CF13B	CF14B	CF15B	CF16B	CF17B

CF01B	Crop codes (CROPB, , CF17B)		CF08B		Unit (CF15B)		BASAL FERT (CF10B)	TOP DRESSING FERT CF12B
1 = conventional hand hoeing	1= Maize	13= Bambara nuts	1 = water logging	11=lack management experience	1 = 90kg bag	12=Meda	0 = None	0 = None
2= planting basins (pot-holes)	2 = Sorghum	14=Cowpeas	2 = wilting due to drought	12=received bad advice	2 = 50kg bag	13=bunches	1 = Compound D	1 = Urea
3=zero tillage	3 = Rice	15 = Velvet beans	3 = animal/bird destruction	13=not enough labour	3 = 25kg bag	14=Muchumbu	2 = Compound X	2 = Ammonium Nitrate
4=ploughing	4 = Millet	16 = Coffee	4 = field not weeded, weeded late	14=dont know	4 = 10kg pocket/bag	15=ka B.P.	3 = Compound S	3 = CAN(calcium ammon. nitr)
5=ripping	5 = Sunflower	17=Sweet potatoes	5 = pests and diseases	16=seeds not good	5 = 20lt tin	16=crates	4 = Triple Super Phosphate (TSP)	4 = Do not know
6=ridging	6 = Groundnuts	19=Kenaf	6 = fire	17=planted late	6 = 90kg bag unshelled/unpolished	17=tonnes	5 = Single Super Phosphate(SSP)	
7=bunding	7 = Soybeans	20=Cashew nuts	7 = theft	18=eaten fresh	7 = 50kg bag unshelled/unpolished	18=boxes	6 = Compound R	
	8 = Seed Cotton	21=Other crops	8 = floods, heavy rain	19= other specify	8 = 25kg bag unshelled/unpolished	19=number	7 = Do not know	
	9=Irish potatoes	22=Paprika	9= soils generally bad	_____	9=10kg bag unshelled	20=kilogram (kg)		
	10 = V. tobacco	25=Pineapples	10=lack of fertiliser		10=20lt tin unshelled/unpolished			
	11 = B. tobacco	60=Popcorn			11=5lt/gallon			
	12= Mixed beans	61=Sugar Cane						

Seed variety codes

Maize

68 = Local maize
69 = Hybrid maize - non specific
70 = Recycled hybrid maize
71 = OPV maize

ZAMSEED
1 = Pool 16 (OP)
19 = GV 61 Yellow
6 = GV 408
3 = GV 412
5 = GV 470
12 = GV 512
13 = GV 607
14 = GV 702
15 = GV 703
18 = GV 704
16 = GV 722
4 = MM 441
7 = MM 501
8 = MM 502
9 = MM 601
10 = MM 603
11 = MM 604
177=MM 606
17 = MM 752
2 = MMV 400 (OP)
178= MMV 600 (OP)
141 = ZMS 402
179= ZMS 510
180= ZMS 528
181= ZMS 602
142= ZMS 606
143= ZMS 607
182= ZMS 616
144 = ZMS 737
145 = ZMV 600

ZARI-MACO
146 = ZM 421
147 = ZM 521 (OP)
148= ZM 621

AFGRI Cooperation
183= AFRIC 1 (OP)
184 = AFG 4611
185 = AFG 4663

Maize (cont'd)

PANNAR
186=PAN 4M – 17
187=PAN 4M – 19
188=PAN 6M – 55
152 = PAN 7M – 97
189=PAN 8M – 91
190=PAN 8M - 95
31 = PAN 14 (Y)
191=PAN 53
192=PAN 57
29 = PAN 61
24 = PAN 64
22 = PAN 67 - African Queen
153 = PAN 69
149 = PAN 77
26 = PAN 87
193=PAN 413
150 = PAN 5503
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23 = PAN 6243 - in a class of its own
20 = PAN 6363 - Chipolopolo
25 = PAN 6479
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27 = PAN 6573
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30 = PAN 6823
154 = PAN 6966 (Y)

MRI
194=MRI EP (OP)
195=MRI MP (OP)
196=MRI 404
67 = MRI 455
66 = MRI 514
157 = MRI 534
65 = MRI 594
63 = MRI 611
64 = MRI 614
62 = MRI 624
61 = MRI 634
158 = MRI 644
60 = MRI 651 (Y)
159 = MRI 694
197=MRI 704
161 = MRI 711 (Y)
160 = MRI 714
57 = MRI 724
59 = MRI 734
58 = MRI 744

Maize (cont'd)

SEED-CO
56 = SC 206 (Y)
47 = SC 401
48 = SC 403
49 = SC 405
50 = SC 407
198=SC 411
42 = SC 501
55 = SC 506 (Y)
44 = SC 513
43 = SC 515
45 = SC 517
46 = SC 521
199=SC 525
40 = SC 601
53 = SC 602 (Y)
54 = SC 604 (Y)
41 = SC 621
39 = SC 625
38 = SC 627
155 = SC 633
200=SC 637
36 = SC 701
51 = SC 704 (Y)
52 = SC 706 (Y)
37 = SC 707
32 = SC 709
35 = SC 711
33 = SC 713
34 = SC 715
201=SC 719

Progene Seeds
202=PGS 53

Monsanto
203=DK 8031
204=DK 8051
205=DK 8071
206=DKC 8033
207=DKC 8053
208=DKC 8073

Sorghum

81 = Local sorghum
82 = Hybrid sorghum
83 = Recycle hybrid sorghum
84 = OPV sorghum

ZAMSEED
75 = KUYUMA
76 = SIMA
77 = ZSV 15
78 = WP 13
162 = MMSH 375
163 = MMSH 413

SEED-CO
79 = MACIA (OP - white)
80 = NS5511 (Hybrid - brown)

Sunflower

90 = Local sunflower
91 = Hybrid sunflower
92 = Recycled hybrid sunflower
93 = OPV sunflower

ZAMSEED
85 = MILIKA
86 = RECORD

PANNAR
87 = PAN 7369
88 = PAN 7353
89 = PAN 7351

Groundnuts

99 = Local groundnuts
100 = Hybrid groundnuts
101 = Recycled hybrid groundnuts
102 = OPV groundnuts

ZAMSEED
94 = CHIPEGO
95 = MGV-4
96 = CHALIMBANA
164 = FLAMINGO

SEED-CO
97 = FLAMINGO
98 = NYANDA

Soyabeans

109 = Local soyabeans
110 = Hybrid soyabeans
111 = Recycled hybrid soyabeans
112 = OPV soyabeans

ZAMSEED
103 = KELEYA
104 = MAGOYE
165 = HERNON-147

MRI
166 = DINA
167 = MILA

SEED-CO
105 = STORM
106 = SOLITAIRE
107 = SOPRANO
108 = SAFARI

Cowpeas

115 = Local cowpeas
116 = Hybrid cowpeas
117 = Recycled hybrid cowpeas
118 = OPV cowpeas

ZAMSEED
113 = LUTEMBWE
114 = BUBEBE

Tobacco

BURLEY
119=Bunckett
120=BO 1
121=BO 2
122=BO 3
123=A 1
124=A 2
125=A3

VIRGINIA
126=HG
127=T26
128=RK326
129=T29

Cotton

130= F135
131= Chureza
132= Ngwezi
133= CDT 1

Sweet Potatoes

300 = Chingovwa
301 = Mulungushi
302 = Lukulu
303 = Kalungwishi
304 = Lunga
305 = Zambezi
306 = other improved varieties
307 = local sweet potato varieties

Other crops not listed

134= Local
135=Improved

SEED COMPANIES
136= ZAMSEED
137= PANNAR
138= SEED-CO
139= MRI
209= AFGRI Coop
210= MONSANTO
211= PROGENE SEEDS
212= PIONEER
213= KAMANO
214= OTHER COMPANY

140 = Do not know

SECTION 3:   FERTILISER ACQUISITION

3.1   Did the household **acquire fertilizer from any source** for the **2009/2010** agricultural season?   *1 = Yes   2 = No →go to Section 4*

HH03	

Table 3.1 Fertilizer acquisition   Key Variables: CLUSTER ,HH, FERTCH   *Reference Period: Current Agricultural Season 2009/2010*   *Fertch.sav*

Source or Sources of Fertilizer	FERTCH	Did the hh **acquire fertilizer** from this **source**? *1= Yes 2= No –> go to next source*	**How far** is the **point of collection** to the **homestead** in **kilometers**? *km (1 mile=1.6km)*	What **quantity** of basal dressing **fertilizer** did you acquire? *(kg)*	*Enum: write in words the number of bags where applicable For example:. 2 X 50kg*	What **quantity** of top dressing **fertilizer** did you acquire? *(kg)*	*Enum: write in words the number of bags where applicable For example:. 2 X 50kg*	Was **fertilizer** from **this channel available** at the time you **needed** it? Basal *1 = Yes 2 = No 3 = not applicable*	Top *1 = Yes 2 = No 3 = not applicable*
	FERTCH	CFF01	CFF02	CFF03		CFF04		CFF05	CFF06
GOVERNMENT									
FISP/FSP/MACO (Direct from FISP or via a COOP)	1								
Program Against Malnutrition (PAM)/Ministry of Community Development & Social Services	2								
COMMERCIAL									
Cash purchase from private trader/retailer	3								
Purchase from cooperative or farmer association	4								
Purchase from another farmer	5								
Purchase from another individual (not a farmer)	6								
Loan purchase from private trader/retailer	7								
Loan purchase from out-grower scheme or others	8								
Direct commercial exchange/barter	9								
GIFTS/FREE/GRANT (excluding PAM))									
Other households	10								
Institutions	11								
Other Sources	12								

Enumerator: Ask the following questions only if the household purchased fertilizer by "commercial cash terms" Table 3.1 where FERTCH = 3, 4, 5 or 6.

Table 3.2 Fertilizer prices and transport costs   Key Variables: CLUSTER ,HH   *Reference Period: Current Agricultural Season 2009/2010   HH.sav*

3.2.1 When you made your **biggest commercial purchase of basal dressing fertilizer** what **price** did you **pay** at the **point of purchase?**			3.2.2 When you made your **biggest commercial purchase of top dressing fertilizer** what **price** did you **pay** at the **point of purchase?**			**Ask only if the HH04a=4, 5 or 6 and/or HH05a=4, 5 or 6** 3.2.3When you made your **biggest commercial purchase**, how much did you **spend** on **transport** from **purchase point to your homestead** per **bag**? If you used your own transport, how much would you have charged someone to transport the purchase?	
Price per unit (ZMK)	Unit 2=50kg 3=25kg 4=10kg 5=20 litre tin 12=Meda 21=5kg		**Price per unit (ZMK)**	Unit 2=50kg 3=25kg 4=10kg 5=20 litre tin 12=Meda 21=5kg		**Transport Cost Per bag**	Unit 2=50kg bag 3=25kg bag 4=10 kg bag
HH04	HH04a	Write unit in words	HH05	HH05a	Write unit in words	HH06	HH07

SECTION 4: SEED TYPE, USE AND SOURCE

Enumerator: Ask the following questions for MAIZE ONLY

Table 4.1 Seed type, use and source   Key Variables: CLUSTER, HH, FIELDST   Reference *period: The current agricultural season (2009/2010)*   *maizeseed.sav*

Field ID MAIZE FIELDS ONLY Enum: Enter Field Number from Sketch	LOCAL MAIZE SEED						HYBRID/IMPROVED MAIZE SEED						RECYCLED MAIZE SEED					
	Did the household use local seed for this field? *1=Yes 2=No→skip to CFSS7*	What is the total amount of **LOCAL SEED** used for each field?		**How much in total did you pay for the local maize seed? (ZMK)** *Enter 0 if not bought*	What was the source of most of the local seed? *See codes below*	What main transaction did you use to get the seed? *See codes below*	Did the household use **hybrid /improved** seed for this field-? *1=Yes 2=No-→ skip to CFSS 13*	What is the total amount of **HYBRID/IMPROVED SEED** used for each field?		**How much in total did you pay for the hybrid /improved maize seed? (ZMK)** *Enter 0 if not bought*	What was the source of most of the **hybrid /improved** seed? *See codes below*	What main transaction did you use to get the seed? *See codes below*	Did the household use recycled seed for this field? *1=Yes 2=No skip to next field*	What is the total amount of **RECYCLED SEED** used for each field?		**How much in total did you pay for the recycled maize seed? (ZMK)** *Enter 0 if not bought*	What was the source of most of the recycled seed? *See codes below*	What main transaction did you use to get the seed? *See codes below*
		Quantity	Unit *See codes below*					Quantity	Unit *See codes below*					Quantity	Unit *See codes below*			
FIELDST	**CFSS1**	**CFSS2**	**CFSS3**	**CFSS4**	**CFSS5**	**CFSS6**	**CFSS7**	**CFSS8**	**CFSS9**	**CFSS10**	**CFSS11**	**CFSS12**	**CFSS13**	**CFSS14**	**CFSS15**	**CFSS16**	**CFSS17**	**CFSS18**

UNIT (CFSS3, CFSS9, CFSS15)		MAIN SOURCE OF SEED (CFSS5, CFSS11, CFSS17)	MAIN TRANSACTION FOR SEED (CFSS6, CFSS12, CFSS18)
1 = 90kg bag	12=Meda	1=Private retailer at boma	1 = Cash purchase
2 = 50kg bag		2=Private retailer outside boma	2 = Loan
3 = 25kg bag	14=Muchumbu	3=Seed company	3 = Barter
4 = 10kg pocket	15=ka B.P.	4=NGOs	4 = Grant/gift/free
5 = 20lt tin		5=Government food security pack/PAM/MCDSS	5 = Seed from own harvest
		6=Government fertilizer support program (MACO)	6 = Other (specify)_____
		7=Farmer, friends or relatives	
		8=Own harvest	
	20 = kilogram (kg)	9=Out-grower	
		10=Other (specify) _____	
11=5lt /gallon			

Enumerator: This table is at the crop level. Ask the following questions for all other Food CROPS planted <u>excluding maize, cassava, sweet potatoes and irish potatoes</u>

Table 4.2   Seed type, use and source for all other food crops   Key Variables: CLUSTER, HH, CROPSTB   Reference period: The current agricultural season (2009/2010)   cropseed.sav

CROP NAME	CROP CODE	LOCAL SEED			HYBRID/IMPROVED SEED			RECYCLED SEED		
		Did the household use local seed for this crop? *1=Yes 2=No → skip to CFSS7B*	What was the source of most of the local seed *See codes below*	What main transaction did you use to get the seed? *See codes below*	Did the household use **hybrid /improved** seed for this crop? *1=Yes 2=No- → skip to CFSS 13B*	What was the source of most of the **hybrid /improved seed** *See codes below*	What main transaction did you use to get the seed? *See codes below*	Did the household use recycled seed for this crop? *1=Yes 2=No skip to next crop*	What was the source of most of the recycled seed *See codes below*	What main transaction did you use to get the seed? *See codes below*
Crop name	**CROPSTB**	**CFSS1B**	**CFSS5B**	**CFSS6B**	**CFSS7B**	**CFSS11B**	**CFSS12B**	**CFSS13B**	**CFSS17B**	**CFSS18B**

CROPSTB		MAIN SOURCE OF SEED (CFSS5B, CFSS11B, CFSS17B)	MAIN TRANSACTION FOR SEED (CFSS6B, CFSS12B, CFSS18B)
	13= Bambara nuts	1=Private retailer at boma	1 = Cash purchase
2 = Sorghum	14=Cowpeas	2=Private retailer outside boma	2 = Loan
3 = Rice		3=Seed company	3 = Barter
4 = Millet		4=NGOs	4 = Grant/gift/free
5 = Sunflower		5=Government food security pack/PAM/MCDSS	5 = Seed from own harvest
6 = Groundnuts		6=Government fertilizer support program (MACO)	6 = Other (specify)_____
		7=Farmer, friends or relatives	
		8=Own harvest	
	21=Other crops	9=Out-grower	
		10=Other (specify) _____	
12= Mixed beans	60 =Popcorn		

SECTION 5: CASSAVA PRODUCTION FORECAST

Enumerator: Look at the sketch on pages 2 & 3.

HH08 [   ]

5.1 *Did/Does the household have any cassava fields in this 2009/2010 agricultural season?*   *1=yes,*   *2=no -> go to Section 6*

Table 5.1. Cassava production forecast Key Variables: CLUSTER, HH, FIELDC   *Reference period: The current agricultural season (2009/2010)*   **cassava.sav**

FIELD ID *Record field numbers from the <u>sketch</u> starting with <u>cassava fields in mixture</u> and <u>end with mono-cropped cassava fields</u>*	What main variety of cassava was/is in this field? *1=Bangweulu 6 = Tanganyika* *2=Nalumino 7 = Improved (Other)* *3=Kapumba 8 = Local variety* *4=Chila 9 = Kampolombo* *5=Mweru 10 = Manyokola (Maniopola)* *11=Other (specify)*	What is the area of the field?		When did you plant most of this field?		Is the cassava in this field mature or expected to mature between now and 30th April 2010? *1 = yes* *2 = no* *3 = field already harvested*
		Quantity	Unit *1 = Lima* *2 = Acre* *3 = Ha* *4 = Sq. metre*	Year	Month *1=Jan 5=May 9=Sept* *2=Feb 6=June 10=Oct* *3=Mar 7=July 11=Nov* *4=Apr 8=Aug 12=Dec*	
FIELDC	**CS01**	**CS02**	**CS03**	**CS04**	**CS05**	**CS06**

5.2 Did the household harvest any cassava between April 2009 and March 2010. *1= Yes,   2= No ->go to Section 6*

HH08a [   ]

Table 5.2   Seasonality of raw cassava harvesting   *cassharv.sav*

For each of the 12 months listed below, was your cassava harvest heavy, little or none? *Heavy = 2 Little =1 None = 0*												What **quantity** of raw cassava did you **harvest** in a typical **heavy** month?			What **quantity** of raw cassava did you **harvest** in a typical **minor (little)** month?		
April 2009	May 2009	June 2009	July 2009	Aug 2009	Sep 2009	Oct 2009	Nov 2009	Dec 2009	Jan 2010	Feb 2010	Mar 2010	Total number of times harvested per month	Unit *1=90kg bag* *2=50kg bag* *3=25kg bag* *4=10kg pocket* *5=20lt tin* *21=Basket/dish/bafa*	Quantity harvested each time	Total number of times per month	Unit *1=90kg bag* *2=50kg bag* *3=25kg bag* *4=10kg pocket* *5=20lt tin* *21=Basket/dish/bafa*	Quantity harvested each time
CS07	CS08	CS09	CS10	CS11	CS12	CS13	CS14	CS15	CS16	CS17	CS18	CS19	CS20	CS21	CS22	CS23	CS24

For Heavy Harvest *If unit is basket/dish/bafa (21):* How many baskets/dish/bafa can fill a 50kg bag?	HH08b	*For Minor Harvest* *If unit is basket/dish/bafa (21):* How many baskets/dish/bafa can fill a 50kg bag?	HH08c

SECTION 6: LABOUR COSTS FOR THE LARGEST MAIZE FIELD

6.1 Enumerator: Tell the respondent that we would now like to get information about their labour use and costs for their <u>largest maize field</u>

(record the field number)

HH09	

6.2 Was this largest maize field cultivated last season (2008/2009)?   1=cultivated   2=not cultivated-virgin   3= not cultivated-Fallow

HH09a	

Table 6.1: Maize field labour cost (part 1)   Key *Variables: CLUSTER, HH, CFSL00*   **Reference period**: *The current agricultural season (2009/2010)* **labour.sav**

Activity (Enumerator: Remind the respondent that the costs you are collecting is for the *Largest Maize field*)		Mechanical/Draught Power						Hired Labour					Unpaid Family Labour (include friends, extended family etc)						
		Did the household use mechanical/ draught power to do ------in this field? *1 =Yes 2 = No → skip to CFSL07*	What <u>main</u> type of mechanical/ draught power did the household use? *1=Own/borrowed animal draught power → skip to CFSL07 2=Hired animal draught power 3=Own/borrowed tractor → skip to CFSL07 4=Hired tractor → skip to CFSL05*	*Enum: Ask if CFSL02=2* *If hired animal draught power, how much did you pay in TOTAL?* *Enum: If the payment was in kind ask respondent to estimate the value of this in-kind payments*		*Enum: Ask if CFSL02=4* *If hired a tractor, how much did you pay in TOTAL?* *Enum: If the payment was in kind ask respondent to estimate the value of this in-kind payments*		How many people does the household expect to hire to do ---- ? *Enter 0 if none and skip to CFSL06*	How many days did these people take to complete ------- in this field?	On average how many hours were they working per day?	How much in total did you pay all the hired people for doing --- in this field ? *Enum: If the payment was in kind ask respondent to estimate the value of this in-kind payments*		Did the household use Unpaid family labour to do ------in this field? *1=Yes 2=No→ skip to next activity (include friends, extended family etc)*	How many male/female adult members were involved in ------- in this field? [Age 12 and over] *(Enter 0 if none)*		How many children were involved in ---- in this field? [Under 12 years] *(Enter 0 if none)*		How many days did it take to complete ……….. in this field ?	On average how many hours did the household work per day?
														Adults		Children			
				Cash *(Enter 0 if none)*	In-Kind *(Enter 0 if none)*	Cash *(Enter 0 if none)*	In-Kind *(Enter 0 if none)*				Cash *(Enter 0 if none)*	In-Kind *(Enter 0 if none)*		Number of males	Number of females	Number of Boys	Number of Girls	Days	Hours per day
CFSL00		CFSL01	CFSL02	CFSL03	CFSL04	CFSL05	CFSL06	CFSL07	CFSL08	CFSL09	CFSL10	CFSL11	CFSL12	CFSL13	CFSL14	CFSL15	CFSL16	CFSL17	CFSL18
Land preparation	1																		
Planting	2																		
Basal Dressing	3																		
Top Dressing	4																		
1st Weeding	5																		
2nd Weeding	6																		
3rd Weeding	7																		

14

Enumerator: *information on labour for harvesting, shelling, packing and transportation of maize from the field to the homestead will be forecasted because by the time you interview the household these activities may not have happened*

Table 6.2: Maize field labour cost (part 2)　　　　　*Reference period: The current agricultural season (2009/2010)*　　　**labour.sav**

Activity		Mechanical/Draught Power						Hired Labour					Unpaid Family Labour (include friends, extended family etc)						
		Does the household expect to use mechanical power to do ------? 1 =Yes 2 = No → skip to CFSL07b	What main type of mechanical power does the household expect to use? 1=Own/borrowed animals/ Sheller → skip to CFSL07b 2=Hired animals/Sheller 3=Own/borrowed tractor → skip to CFSL07b 4=Hired tractor → skip to CFSL05b	Enum: Ask if CFSL02B=2 If the household expects to hire animals/sheller, how much do you expect to pay in TOTAL? Enum: If the payment would be in kind ask respondent to estimate the value of such an in-kind payments		Enum: Ask if CFSL02B=4 If the household expects to hire a tractor, how much do you expect to pay in TOTAL? Enum: If the payment would be in kind ask respondent to estimate the value of such an in-kind payments		How many people does the household expect to hire to do ---- ? Enter 0 if none and skip to CFSL12b	How many days does the household expect them to take to complete -- ------ ?	How many hours does the household expect them to work each day during --?	How much in total does the household expect to pay all the hired people for --- ? Enum: If the payment would be in kind ask respondent to estimate the value of this in-kind payments		Does the household expect to use unpaid family labour to do ------? 1=Yes 2=No → skip to next activity (include friends, extended family etc)	How many children do you expect to be involved in -------? [Under 12 years] (Enter 0 if none)		How many male/female adult members do you expect to be involved in -------? [Age 12 and over] (Enter 0 if none)		How many days does the household expect the family to take to complete -------- ?	On average how many hours does the household expect the family to work each day?
				Cash (Enter 0 if none)	In-Kind (Enter 0 if none)	Cash (Enter 0 if none)	In-Kind (Enter 0 if none)				Cash (Enter 0 if none)	In-Kind (Enter 0 if none)		Children		Adults		Days	Hours per day
														Number of Boys	Number of Girls	Number of males	Number of females		
CFSL00		CFSL01b	CFSL02b	CFSL03b	CFSL04b	CFSL05b	CFSL06b	CFSL07b	CFSL08b	CFSL09b	CFSL10b	CFSL11b	CFSL12b	CFSL13b	CFSL14b	CFSL15b	CFSL16b	CFSL17b	CFSL18b
Harvesting	8																		
Transporting maize from the field to homestead	9																		
Shelling and Packing	10																		

6.3　　Did the household use any herbicides?　　　　　*1=Yes　2=No→ skip to 6.5*　　**HH10** [　　]

6.4　　What was the **Total Cost** in ZMK of the herbicides? (If not sure, enter '0')　　**HH10a** [　　]

6.5　　If you were **to rent out** this largest maize field to someone else to use it for **one season**, **how much** would you charge**?**　　**HH10b** [　　]

Table: 6.3   Village labour costs per lima/Acre of Maize
Key Variables: CLUSTER, HH, LABACT   *Reference period: The current agricultural season (2009/2010)*   **villabour.sav**

Activity		HIRED MANUAL LABOUR			ANIMAL DRAUGHT POWER			
		In this village how much does it cost to hire someone to do ------- for a lima/Acre of maize manually?		How many days does it take this person to complete--------- of a lima/Acre of maize?	On average how many hours does this person work per day?	In this village how much does it cost to hire someone to do ------- for a lima of maize using animal draught power?		How many days does it take the person using animal draught power to complete--------- of a lima/Acre of maize?	On average how many hours do this person(s) using draught animals work per day?
		(ZMK)	Unit 1=Lima 2=Acre			**(ZMK)**	Unit 1=Lima 2=Acre		
	LABACT	**LAB02a**	**LAB02b**	**LAB02c**	**LAB02d**	**LAB02e**	**LAB02f**	**LAB02g**	**LAB02h**
Land preparation	1								
Planting	2								
Fertiliser application	3								
Weeding	4								
Harvesting	5								

	Hired Manual Labour (ZMK)	Mechanical Sheller (ZMK)
	LAB02i	**LAB02j**
6.6 In this village how much does it cost to shell and pack a 50kg bag of maize using -------------?		

SECTION 7: CROP FORECAST SALES AND SEED RETENTION FROM OWN PRODUCTION

__Enumerator__: Ask the following questions for __all FOOD CROPS__. __Exclude cassava and cash crops__.

Table 7.1   *Key Variables: CLUSTER, HH, CROPF*   *Reference period: The current agricultural season (2009/2010 season)*   **sales.sav**

Food crops harvested or expected to be harvested in 2009/2010		Of the ------ that you harvested/expect to harvest what quantity do you expect to sell and/or exchange? *Enter "0" if they will not sell. (please make sure sales do not exceed production as reported in the harvest section* *Quantity and unit from mono-crop [CF14A, CF15A] plus quantity and unit from mixture [CF14B, CF15B] should not be less than Quantity and unit in this table)*		From the total quantity harvested/expect to harvest of this crop, how much do you intend to keep as seed for the next Agricultural Season (2010/2011) *Enumerator: Do not ask for Sweet Potatoes (CROPF=17)*	
		Quantity	Unit	Quantity	Unit
CROP NAME	**CROPF**	**CFS1**	**CFS2**	**CFS3**	**CFS4**
Maize	1				

CROPF		CFS2, CFS4	
1= Maize	12= Mixed beans	1 = 90kg bag	12=Meda
2 = Sorghum	13= Bambara nuts	2 = 50kg bag	
3 = Rice	14=Cowpeas	3 = 25kg bag	14=Muchumbu
4 = Millet		4 = 10kg pocket	15=ka B.P.
		5 = 20lt tin	
6 = Groundnuts	17=Sweet potatoes	6 = 90kg bag unshelled/unpolished	17=tonnes
		7 = 50kg bag unshelled/unpolished	
		8 = 25kg bag unshelled/unpolished	
9=Irish potatoes		9=10kg bag unshelled	20 = kilogram (kg)
	21=Other crops	10=20lt tin unshelled/unpolished	
	60=Popcorn	11=5lt /gallon	

SECTION 8: CROP STOCKS

**Enumerator**: Ask the following questions for the FOOD CROPS listed.

Table 8.1 _Key Variables: CLUSTER, HH, CROPSTK_   _Reference period: The 2008/2009 and 2009/2010 agricultural seasons_   **stocks.sav**

Food crops harvested or acquired		Does the household have any ……… from last season's crop from **own harvest or purchase or gifts** in storage NOW? _1 = yes_ _2 = no –>skip to CSS6_	What quantity of ……… does the household have, from previous harvest/s **or purchase or gifts?**				Enum: If CSS1=2(No) When did/will the Household **run out of stocks of --- from the 2008/2009 harvest?** _(See codes below)_	What is the **quantity of maize** you expect to purchase in cash or in kind to meet your family needs between this year's harvest and the next harvest (2011 harvest)? _Enter '0' if none_		_Ask if, CSS7 is not 0_ When does the household expect maize from this season's harvest (2009/10) to run out ? _(See codes below)_
			Quantity held now		From what the household has now, what quantity is the household expected to have by the end of April 2010?					
			Quantity	Unit	Quantity	Unit		Quantity	Unit	
CROPSTK		**CSS1**	**CSS2**	**CSS3**	**CSS4**	**CSS5**	**CSS6**	**CSS7**	**CSS8**	**CSS9**
Maize	1									
Sorghum	2									
Rice	3									
Millet	4									

CSS3, CSS5, CSS8		**CSS6**	**CSS9**
1 = 90kg bag	12=Meda	1=May 2009	1=May 2010
2 = 50kg bag		2=June 2009	2=June 2010
3 = 25kg bag	14=Muchumbu	3=July 2009	3=July 2010
4 = 10kg pocket	15=ka B.P.	4=August 2009	4=August 2010
5 = 20lt tin		5=September 2009	5=September 2010
6 = 90kg bag unshelled/unpolished	17=tonnes	6=October 2009	6=October 2010
7 = 50kg bag unshelled/unpolished		7=November 2009	7=November 2010
8 = 25kg bag unshelled/unpolished		8=December 2009	8=December 2010
9=10kg bag unshelled	20 = kilogram (kg)	9=January 2010	9=January 2011
10=20lt tin unshelled/unpolished		10=February 2010	10=February 2011
11=5lt/gallon		11=March 2010	11=March 2011
		12=April 2010	12=April 2011

18

SECTION 9. MAIZE SALES TO FRA BETWEEN MAY 2009 TO NOVEMBER 2009

Enumerator: Tell the respondent that we'd now like to know about their maize sales to FRA and other Private buyers from May 2009 to November 2009

Table 9.1 Households selling maize to FRA   *Reference period: Beginning of May 2009 to November 2009*   *HH.sav*

CROP	Did the household sell maize from own harvest to FRA directly or to FRA via a Cooperative? 1 = yes, 2 = no -> go to table 9.2 below	Between May 1st 2009 to Nov 09, did the household sell maize to FRA directly or sell to FRA via a COOP 1=Sold to FRA directly 2=Sold to FRA via a COOP	Where did this transaction take place? 1=Within village 2=Outside village but within the district 3=Outside district	How many 50kg Bags of maize did you sell to FRA during the last 2008/09 marketing season? Quantity	When did the household sell maize to FRA between May 1st 2009 and Nov 2009 1=June 2009 2=July 2009 3=August 2009 4=September 2009 5=October 2009 6=November 2009	How much did you pay to transport a 50kg bag of maize from your homestead to the FRA Depot or Cooperative who then sold to FRA? (ZMK) (Enter '0' if none)
	HH11	**HH12**	**HH13**	**HH14**	**HH15**	**HH16**
Maize						

Table 9.2 Households selling maize to Private Buyers   *Reference period: Beginning of May 2009 to Present*   *HH.sav*

CROP	Since May 2009, did the HH sell or barter any Maize to Private Buyers 1=Yes 2=No---> go to question HH25	How much maize have you sold for cash and/or barter for goods since May 2009?		*Ask the following questions for the largest cash/barter transaction*						Roughly, how many private maize buyers have come *into this village* since May 2009 harvest to buy maize directly from farmers?
		Quantity sold	Unit See codes below	When did the household sell?	What type of buyer did the HH sell to? See codes below	Where did this transaction take place? See codes below	How far is this location from your homestead? (1 mile =1.6 kilometer)	What was the price per unit for the largest cash transaction? ZMK	Unit See codes below	
CROP	**HH17**	**HH18**	**HH19**	**HH20**	**HH21**	**HH22**	**HH23**	**HH24**	**HH25**	**HH26**
Maize										

Month of sale (HH20)
1 = May 2009
2 = June 2009
3 = July 2009
4 = August 2009
5 = September 2009
6=October 2009
7= November 2009
8=December 2009
9=January 2010
10= February 2010
11=March 2010
12=April 2010

Buyer codes (HH21)
1 = Private trader
3 =Marketeer
2 = Other households
3 = NGO
4 = Cooperative
5 = Miller
6 =Other (specify)

Location of transaction (HH22)
1 = Within village
2 = Within district (rural)
3 = Within district (urban)
4 = Other district (rural)
5 = Other district (urban)
6 = Another country

Unit (HH19 and HH25)
1 = 90kg bag
2 = 50kg bag
3 = 25kg bag
4 = 10kg pocket/bag
5 = 20lt tin
6 = 90kg bag unshelled/unpolished
7 = 50kg bag unshelled/unpolished
8 = 25kg bag unshelled/unpolished
9=10kg bag unshelled
10=20lt tin unshelled/unpolished
11=5lt /gallon
12=Meda
13=bunches
14=Muchumbu
15=ka B.P.
16=crates
17=tonnes
18=boxes
19=number
20=kilogram (kg)

SECTION 10:   DISTANCE AND MARKET ACCESS

.10.1 How many **kilometers** is it from your **homestead** to the nearest **FRA buying point or depot**? *(1 mile = 1.6 kilometres)*	**(km)**	**HH27**	
10.2 How many **kilometers** is your **homestead** from the point **where household members** can get **vehicular transport**? *(1 mile = 1.6 kilometres)*	**(km)**	**HH28**	
10.3 How many kilometers is it from the homestead to the nearest maize market	**(km)**	**HH29**	
10.4 How many kilometers is it from your **homestead** to the **nearest boma?** *(1 mile = 1.6 kilometres)*	**(km)**	**HH30**	
10.5. How much would it **cost to transport** a **50kg bag of maize** from your homestead to the **nearest boma?**	**(ZMK)**	**HH31**	

END INTERVIEW

THANK THE RESPONDENT

CONVERSION TABLE

Acres to Hectares

1/4	ACRE	=	0.1	HECTARES
1/3	ACRE	=	0.13	HECTARES
1/2	ACRE	=	0.2	HECTARES
2/3	ACRE	=	0.27	HECTARES
3/4	ACRE	=	0.3	HECTARES
1	ACRE	=	0.4	HECTARES
2	ACRES	=	0.81	HECTARES
3	ACRES	=	1.22	HECTARES
4	ACRES	=	1.62	HECTARES
5	ACRES	=	2.02	HECTARES
6	ACRES	=	2.43	HECTARES
7	ACRES	=	2.84	HECTARES
8	ACRES	=	3.24	HECTARES
9	ACRES	=	3.64	HECTARES
10	ACRES	=	4.05	HECTARES
15	ACRES	=	6.08	HECTARES
20	ACRES	=	8.1	HECTARES

Lima To Hectares

1/4	LIMA	=	0.06	HECTARES
1/3	LIMA	=	0.08	HECTARES
1/2	LIMA	=	0.12	HECTARES
2/3	LIMA	=	0.17	HECTARES
3/4	LIMA	=	0.19	HECTARES
1	LIMA	=	0.25	HECTARES
2	LIMA	=	0.5	HECTARES
3	LIMA	=	0.75	HECTARES
4	LIMA	=	1	HECTARE
5	LIMA	=	1.25	HECTARES
6	LIMA	=	1.5	HECTARES
7	LIMA	=	1.75	HECTARES
8	LIMA	=	2	HECTARES
9	LIMA	=	2.25	HECTARES
10	LIMA	=	2.5	HECTARES
11	LIMA	=	2.75	HECTARES
12	LIMA	=	3	HECTARES

1 hectare = 100m x 100m = 10,000sq metres

0.5 hectares= 50m x 100m = 5,000sq metres

1 lima   = 50m x 50m   = 2,500sq metres