

ZAMBIA POST-HARVEST SURVEY (1998/99)
FOR SMALL AND MEDIUM-SIZED HOLDINGS
(Synthetic Questionnaire)

Location of data files: c:\docs\Zambia\PostHarv\9898\data_____

Files created for this questionnaire:

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Corresponding Table	Table Description
n/a	Households that completed the interview
A	All households selected to be interviewed
n/a	Household level questions
I	Input use
II	Land preparation
III	Planting
IV	Planting of tubers
V	Weeding
VI	Harvesting
VII	Marketing
VIII	Consumption
IX	Sales of vegetables
X	On-farm storage
XI	Livestock production and marketing
XII	Assets and investments
XIII	Loans received in kind
XIV	Agricultural extension services
XV	Desired agricultural extension services

**ZAMBIA POST-HARVEST SURVEY (1998/99)
FOR SMALL AND MEDIUM-SIZED HOLDINGS**

“Identifying variables” (Original Questionnaire Cover)

File: id.sav

PROV _____ Province (see code list)
DIST _____ District
CSA _____ CSA (Census Supervisory Area) number
SEA ____ _ SEA (Standard Enumeration Area) number (separate 1st and 2nd digits)
HH _____ Household serial number

PROV

Value	Label
1	Central
2	Copperbelt
3	Eastern
4	Luapula
5	Lusaka
6	Northern
7	Northwestern
8	Southern
9	Western

Village/locality name: _____
Name of head of household: _____

WGT _____ Revised household weight factor
OLDWGT ____ Old weight factor
ID1A _____ Sex of head of household: 1 Male 2 Female
ID1B _____ Age of head of household (years)

Name of respondent (if different from head of household): _____

ID2 _____ Response status (see code list)
ID3 _____ Category (see code list)

ID2

ID3

Value	Label	Value	Label
1	Completed	1	A - small scale holding
2	Refusal	2	B - medium scale holding
3	Moved out of SEA		
4	Non-contact		
5	Hhold dissolved		

Household population:

	< 12 yrs	12-64 yrs	65+ yrs
Male	_____ (ID4A1)	_____ (ID4B1)	_____ (ID4C1)
Female	_____ (ID4A2)	_____ (ID4B2)	_____ (ID4C2)

Household agricultural activity:

ID5A _____ Grows crops? 1 Yes 2 No
ID5B _____ Raises livestock? 1 Yes 2 No
ID5C _____ Raises poultry? 1 Yes 2 No
ID5D _____ Farms fish? 1 Yes 2 No
OLDDIST ____ Old district codes (to be used to match to earlier PHS surveys)

Assignment record:	
Name of enumerator:	Date compiled:
Name of supervisor:	Date checked:
Conducted by the central statistical office in conjunction with the Ministry of Agriculture, Food and Fisheries	

Table A (1 of 1) - All to be interviewed households: This file should only be used if information is needed for households that **did not** complete survey. **File: allsurid.sav**

Sex of head of household	Age of head of household	Response Status 1 Completed 2 Refusal 3 Moved out of SEA 4 Non-contact 5 Hhold dissolved	Household population						Household agricultural activity				Household category 1 - A -Small scale 2 - B -Medium scale
			Males			Females			Household grows crops? 1 - Yes 2 - No	Household raises livestock? 1 - Yes 2 - No	Household raises poultry? 1 - Yes 2 - No	Household has fish farms? 1 - Yes 2 - No	
			<12 yrs	12-64 yrs	65+ yrs	<12 yrs	12-64 yrs	65+ yrs					
SEX	AGE	RESPONSE	MALE1	MALE2	MALE3	FEMALE1	FEMALE2	FEMALE3	GROWCROP	RAISLSTK	POULTRY	FISHFARM	CATEGORY

Farm land and input use (Section 1 of original questionnaire)

- HLAND1** ___ Were any crops grown on the holding in the 1998/99 agricultural season?
 1 Yes
 2 No (-> Go to question HINPUT1)
- HLAND2** ___ How many **parcels** were operated by the members of the household during the 1998/99 agricultural season?
- HLAND3** ___ How many **fields** were in the parcels reported to have been operated during the 1998/99 agricultural season?
- HLAND4** ___ What was the **total area under crops** during the 1998/99 season (ha)? (Include land under perennial crops)

Table I - Input use

Crop Production, Input Use and Marketing (Section 2 of original questionnaire)

- Table II - Land preparation*
Table III - Planting
Table IV - Planting of Tubers
Table V - Weeding
Table VI - Harvesting
Table VII - Marketing
Table VIII - Consumption

Vegetables (Section 3 of original questionnaire)

Table IX - Sales of vegetables

- HINPUT1** ___ How much money did you spend on the purchase of vegetable seeds during the 1998/99 agricultural season (Kw)?
- HINPUT2** ___ How much chemical fertilizer did you apply on the vegetables grown during the 1998/99 agricultural season (kg)?
- HINPUT3** ___ What was the cost of the insecticides and/or pesticides and/or fungicides and/or herbicides used on the vegetables during the 1998/99 agricultural season (Kw)?
- HINPUT4** ___ How much did you spend on hired casual labor to grow vegetables during the 1998/99 agricultural season (Kw)?
- HINPUT5** ___ How much did you spend on transportation of vegetables to the market during the 1998/99 agricultural season (Kw)?

Irrigation, soil conservation and on-farm storage (Section 4 of original questionnaire)

HIRR1 ___ Did you grow any crops or vegetables using irrigation during the 1998/99 agricultural season?

- 1 Yes
- 2 No (-> Go to question HSOIL1)

Which of the following did you use for irrigation?

- | | | | |
|---------------|-----|---------------------|-------|
| HIRR2A | ___ | engine pump? | 1 Yes |
| HIRR2B | ___ | hand pump? | 1 Yes |
| HIRR2C | ___ | wind mill? | 1 Yes |
| HIRR2D | ___ | sprinkler? | 1 Yes |
| HIRR2E | ___ | steel or hose pipe? | 1 Yes |
| HIRR2F | ___ | watering can? | 1 Yes |
| HIRR2G | ___ | furrow? | 1 Yes |
| HIRR2H | ___ | other equipment? | 1 Yes |

HSOIL1 ___ Did you practice any soil conservation during the 1998/99 agricultural season?

- 1 Yes
- 2 No (-> Go to question HSTOR1)

Which of the following soil conservation measures did you use?

- | | | | |
|----------------|-----|---|-------|
| HSOIL2A | ___ | Did you use mulching for soil conservation? | 1 Yes |
| HSOIL2B | ___ | Did you use contour ridging for soil conservation? | 1 Yes |
| HSOIL2C | ___ | Did you use fallowing for soil conservation? | 1 Yes |
| HSOIL2D | ___ | Did you use terracing for soil conservation? | 1 Yes |
| HSOIL2E | ___ | Did you use bunding for soil conservation? | 1 Yes |
| HSOIL2F | ___ | Did you use zero/minimum tillage for soil conservation? | 1 Yes |
| HSOIL2G | ___ | Did you use other methods of soil conservation? | 1 Yes |

HSTOR1 ___ Do you have any **on-farm storage** facility?

- 1 Yes
- 2 No (-> Go to question HSTOR7)

HSTOR2 ___ Are you storing any crops now?

- 1 Yes
- 2 No (-> Go to question HSTOR7)

Table X - On-farm storage

- HSTOR3** _____ Have you protected your stored crops against pests?
 1 Yes
 2 No (-> Go to question HSTOR5)
- HSTOR4** _____ What methods have you used to protect your crops?
 1 Chemicals
 2 Ashes
 3 Cow dung
 4 Neem tree leaves
 5 Other leave herb
 6 Combination
- HSTOR5** _____ How much produce can be stored in your storage facilities (kg)?
- HSTOR6** _____ How much produce would you like to store (kg)?
- HSTOR7** _____ Have you ever seen any demonstration storage facility?
 1 Yes
 2 No (-> Go to question HSTOR9)
- HSTOR8** _____ Where have you seen them?
 1 Chief palace
 2 Neighboring farm
 3 Extension office demonstration
 4 Other
- HSTOR9** _____ INTERVIEWER: Is the household using improved storage methods on the farm?
 1 Yes (go to question HCATT1)
 2 No
- HSTOR10** _____ Why have you not used the new methods?
 1 Only recently seen/heard about them
 2 Too expensive
 3 Need training
 4 No credit for building store
- HSTOR11** _____ Would you like to use the new methods?
 1 Yes
 2 No

Livestock production and marketing (Section 5 of original questionnaire)

HCATT1 _____ Did you or any member of the household raise any cattle of any kind during the 1998/99 agricultural season?

- 1 Yes
- 2 No

HCATT2 _____ How many cattle of all kinds did you raise on 1st October, 1998?

HCATT3 _____ How many cattle of all kinds are you raising today?

HCATT4 _____ Of the cattle you are raising, how many belong to members of this household?

Table XI - Livestock production and marketing

Fish farming (Section 6 of original questionnaire)

HFISH1 _____ INTERVIEWER: Did the household carry out any fish farming during the 1998/99 agricultural season?

- 1 Yes
- 2 No (-> Go to question HEMP1)

HFISH2 _____ How many ponds did you operate during the reference period?

HFISH3 _____ How many ponds are operational today?

HFISH4 _____ During the 1998/99 agricultural season, did you receive any income from fish farming?

- 1 Yes
- 2 No (-> Go to question HEMP1)

HFISH5 _____ What was the amount received from fish farming (Kw)?

Permanent employees (Section 7 of original questionnaire)

HEMP1 _____ Did you have any permanent employees to carry out agricultural operations during the 1998/99 agricultural season?

- 1 Yes
- 2 No (-> Go to Table XI)

How many permanent employees did you have?

HEMP2A _____ males

HEMP2B _____ females

HEMP2C _____ Total

How much did you pay to the **male permanent employees** during the 1998/99 agricultural season:

HEMP3A _____ in cash (Kw)
HEMP3B _____ in-kind (Kw)

How much did you pay to the **female permanent employees** during the 1998/99 agricultural season:

HEMP4A _____ in cash (Kw)
HEMP4B _____ in-kind (Kw)

Off-farm income (Section 8 of original questionnaire)

Over the past year, has any member of this household received any income (cash/in kind), other than from the sale of crops from:

HOFF1 _____ neighbor smallholder farm 1 Yes
HOFF2 _____ nearby commercial farm 1 Yes
HOFF3 _____ labourer on farm outside district 1 Yes
HOFF4 _____ mining labourer 1 Yes
HOFF5 _____ salary income or pension 1 Yes
HOFF6 _____ other wage labour activity 1 Yes
HOFF7 _____ food processing 1 Yes
HOFF8 _____ trading 1 Yes
HOFF9 _____ other small business activity 1 Yes

HOFF10 _____ What has been this household's most important source of off-farm income (cash/in kind)?

- 1 none
- 2 labour on smallholder farm
- 3 labour on commercial farm
- 4 labour on farm outside district
- 5 mining labour
- 6 small business activity
- 7 food processing
- 8 trading/vending
- 9 salary/pension
- 10 other

Assets and investments (Section 9 of original questionnaire)

Table XII - Assets and investments

Credit (Section 10 of original questionnaire)

- HCRED1** ___98_ For the 1998/99 agricultural season:
Credit Code
- HCRED2** _____ Did you apply for any agricultural loan from the formal sector for the 1998/99 agricultural season?
1 Yes
2 No (-> go to question HCRED14)
- HCRED3** _____ How many loans did you apply for?
- HCRED4** _____ Did you receive any of the agricultural loans applied for from the formal sector?
1 Yes
2 No (-> go to question HCRED15)
- HCRED5** _____ How many loans did you receive during the 1998/99 agricultural season?

What was the source of the loan(s)?

- | | | | |
|----------------|-------|------------------------------|-------|
| HCRED6A | _____ | CUSA | 1 Yes |
| HCRED6B | _____ | farmers association | 1 Yes |
| HCRED6C | _____ | commercial bank | 1 Yes |
| HCRED6D | _____ | private credit agent | 1 Yes |
| HCRED6E | _____ | NGO | 1 Yes |
| HCRED6F | _____ | Out-grower facilitator | 1 Yes |
| HCRED6G | _____ | government agent (OMNIA/FRA) | 1 Yes |
| HCRED6H | _____ | other (specify) | 1 Yes |

What was the purpose of the loan(s)?

- | | | | |
|----------------|-------|------------------------------------|-------|
| HCRED7A | _____ | purchase of agricultural inputs | 1 Yes |
| HCRED7B | _____ | purchase of animals | 1 Yes |
| HCRED7C | _____ | purchase of equipment | 1 Yes |
| HCRED7D | _____ | purchase/construction of structure | 1 Yes |
| HCRED7E | _____ | purchase of vehicles | 1 Yes |
| HCRED7F | _____ | other (specify) | 1 Yes |

HCRED16 _____ What was the total amount of the loan(s) that you received from the informal sector (Kw)?

Agricultural extension services (Section 11 of original questionnaire)

Table XIV - Agricultural extension services

Table XV - Desired agricultural extension services

Other agricultural services and holding information (Section 12 of original questionnaire)

Livestock services

HSICK1 _____ Interviewer: did the household raise any cattle during the 1998/99 agricultural season?

- 1 Yes
- 2 No (-> Go to question HINFO1)

HSICK2 _____ Did you vaccinate your cattle against diseases during the 1998/99 agricultural season?

- 1 Yes
- 2 No

HSICK3 _____ Did you practice tick control during the 1998/99 agricultural season?

- 1 Yes (-> Go to question HSICK5)
- 2 No

HSICK4 _____ Why did you not practice tick control?

- 1 No facility (-> Go to question HSICK6)
- 2 Cannot afford the cost (-> Go to question HSICK6)
- 3 Other (-> Go to question HSICK6)

HSICK5 _____ What type of tick control do you use most?

- 1 Dipping
- 2 Spraying
- 3 Other (Specify)

HSICK6 _____ Were any of your cattle infected by diseases during the 1998/99 agricultural season?

- 1 Yes
- 2 No (-> Go to question HINFO1)

HSICK7 _____ How many cattle were infected by disease?

HSICK8 _____ Were any of the infected cattle treated with modern medicine?
 1 Yes
 2 No (-> Go to question HSICK12)

HSICK9 _____ Of the cattle which were infected with disease, how many were treated with any modern medicine?

HSICK10 _____ What was the cost of the modern medicine (Kw)?

HSICK11 _____ What was the main source of the medicine?
 1 From neighbors or friends
 2 From a veterinary officer
 3 Bought in town
 4 Bought from a local trader
 5 Other sources

HSICK12 _____ How many cattle died due to disease?

Market information

HINFO1 _____ Did you receive any information on marketing for agricultural products during the 1998/99 agricultural season?
 1 Yes
 2 No (-> Go to question HINFO5)

HINFO2 _____ What was your most important source of market prices information for your agricultural products during the 1998/99 agricultural season?
 1 Radio
 2 Newspaper
 3 AMIC Ag Marketing Info Center
 4 Traders at the market
 5 Traders who came to the farm
 6 Fellow farmers
 7 Extension officers
 8 Other sources

HINFO3 _____ Were you satisfied with the quality of this information?
 1 Yes (-> Go to question HINFO5)
 2 No

HINFO4 _____ What was the main reason why you were not satisfied with the quality of this information?
 1 Infrequent information
 2 Inaccurate information
 3 Interest not covered
 4 Livestock not covered
 5 Too complex information

HINFO5 _____ Did you receive any information on agricultural input supply during the 1998/99 agricultural season?
 1 Yes
 2 No (-> Go to question HINPUT7A)

HINFO6 _____ What was the main source of information on agricultural input supply?
 1 Radio
 2 Newspaper
 3 AMIC Ag Marketing Info Center
 4 Traders at the market
 5 Traders who came to the farm
 6 Fellow farmers
 7 Extension officers
 8 Other sources

For your major crops, how did you obtain most of your seeds/seedlings/cuttings during the 1998/99 agricultural season?

HINPUT6A	_____	Did not use any	1 Yes
HINPUT6B	_____	Bought from input market	1 Yes
HINPUT6C	_____	Bought from trader at the farm stead	1 Yes
HINPUT6D	_____	Obtained through outgrowing arrangements	1 Yes
HINPUT6E	_____	Own retention	1 Yes
HINPUT6F	_____	Gifts	1 Yes
HINPUT6G	_____	Other (Specify)	1 Yes

HINPUT7 _____ How did you obtain most of your basal dressing fertilizer during the 1998/99 agricultural season?
 1 Did not use any
 2 Input market
 3 Trader at farmstead
 4 Out-growing arrangements
 5 Left over from last season
 6 Gifts
 7 Other (Specify)

HINPUT8 _____ How did you obtain most of your top dressing fertilizers during the 1998/99 agricultural season?

- 1 Did not use any
- 2 Input market
- 3 Trader at farmstead
- 4 Out-growing arrangements
- 5 Left over from last season
- 6 Gifts
- 7 Other (Specify)

Other agricultural services and holding information

HGRP1 _____ As an individual, what is the most important asset you would want to invest in?

- 1 Fish ponds
- 2 Small irrigation
- 3 Orchard/plantation
- 4 Livestock
- 5 Implements
- 6 Vehicle
- 7 Improved storage facility
- 8 Additional land
- 9 Other (Specify)

HGRP2 _____ What is the most important investment you would want your community to invest in?

- 1 Feeder roads
- 2 Dam
- 3 Small irrigation
- 4 Fish pond
- 5 Dip tank
- 6 Marketing center
- 7 Storage shed/depot
- 8 Other (Specify)

HGRP3 _____ Have you heard about the Rural Investment Fund (RIF) (ASIP)?

- 1 Yes
- 2 No (-> END INTERVIEW)

HGRP4 _____ Are you part of a formally established group preparing a project for financing by the RIF (ASIP)?

- 1 Yes
- 2 No (-> Go to question HGRP10)

HGRP5 _____ What is the subject of the project?

- 1 Feeder roads
- 2 Irrigation
- 3 Dip tank
- 4 Marketing center
- 5 Storage shed/depot
- 6 Transport
- 7 Other (Specify)

HGRP6 _____ Have you as a group received any funds from RIF?

- 1 Yes (-> Go to question HGRP8)
- 2 No

HGRP7 _____ Why have you not received any funds from RIF?

- 1 Project proposal not ready
- 2 Required conditions not met
- 3 Other (Specify)

HGRP8 _____ Did you as a group apply for agricultural loans from any other source in the formal sector for the 1998/99 agricultural season?

- 1 Yes (-> END INTERVIEW)
- 2 No

HGRP9 _____ Why did you not apply for agricultural loans from the formal sector?

- 1 Funded by RIF (-> END INTERVIEW)
- 2 Other (Specify) (-> END INTERVIEW)

HGRP10 _____ Why are you not part of a formally established group preparing a project for financing by the RIF (ASIP)?

- 1 Not interested
- 2 Not enough information on application procedures
- 3 Other (Specify)

END INTERVIEW

Table I (1 of 1) - Input use: For each input used, ask the following questions:

File: input.sav

Input type 1 Basal 2 Top dressing 3 Manure 4 Pesticide /Insecticides 5 Grain bags	Did you use this input during 98/99? 1 Yes 2 No	What quantity of the input did you use? (kg)	Manure type 1 Animal manure 2 Green manure 3 Animal & green	Did you purchase any of this input during 98/99? 1 Yes 2 No (go to next INPUT type)	Where did you purchase the input? 1 Co-op union 2 NGO 3 Private trader 4 Credit co-ordinator 5 Fellow farmer 6 Out-growers	What quantity did you purchase?		How much did you spend purchasing the input?		Of the quantity purchased, how much did you use? (Kg)	How much did you spend transporting the input? (Kw)	Was the input available on time? 1 Yes 2 No
						cash purchase (kg)	in-kind purchase (kg)	cash (Kw)	in-kind (Kw)			
INPUT	INP1	INP2	INP2A	INP3	INP4	INP5A	INP5B	INP6A	INP6B	INP7	INP8	INP9
1												
2												
3												
4												
5						# bags						

Table II (1 of 2) - Land preparation: For each crop grown, ask the following questions (for cassava see bottom part of table):

File: landprep.sav

Operation type 1 - Land preparation	Crop Enter crop code for cases that apply. (See code list)	Was crop grown? 1 Yes	Total area under this crop. (xx.xx ha)	Did you plant cassava in the 1998/99 agricultural season? 1 Yes 2 No	Cassava area planted in the 1998/99 agricultural season. (xx.xx ha)	No. of hh members that took part in the land preparation.				Did you use hired casual labor for land preparation? 1 Yes 2 No	How much did you pay for the hired casual labor?	
						males <12	males >=12	females <12	females >=12		in cash (Kw)	in kind (Kw)
OPTYPE	CROP	LAN1	LAN2	LAN3	LAN4	LAN5A	LAN5B	LAN5C	LAN5D	LAN6	LAN7A	LAN7B
1												
1												
1												
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1												
1												
1												
1												
1												
1												
1												

For cassava:

1												
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Crop code list:		
1	Maize	17 Sweet potatoes
2	Sorghum	18 Cassava
3	Rice	19 Kenaf
4	Millet	20 Cashew nuts
5	Sunflower	21 Other crops
6	Groundnuts	23 Oranges
7	Soyabeans	24 Bananas
8	Seed cotton	25 Pineapples
9	Irish potatoes	26 Guavas
10	Virginia tobacco	27 Pawpaws
11	Burley tobacco	28 Avocado
12	Mixed beans	29 Watermelon
13	Ground beans	30 Mangoes
14	Cowpeas	31 Other fruit
15	Velvet beans	32 Cabbage
16	Coffee	33 Rape
34	Spinach	
35	Tomatoes	
36	Onions	
37	Okra	
38	Eggplant	
39	Pumpkins	
40	Chillies	
41	Chomolia	
42	Cauliflower	
43	Carrots	
44	Lettuce	
45	Green beans	
46	Green maize	
47	Other vegetables	
48	Tangerines	

Table III (1 of 2) - Planting: For each (non-tuber) crop planted, ask the following questions:

File: plant.sav

Operation type	Crop Enter crop code for cases that apply. (See code list)	No. of hh members that took part in planting.				Did you use hired casual labor for planting?		How much did you pay for the hired casual labor?		Did you use animal draught power during planting?	What type of animal draught power did you use most?	What was the main source of your animal draught power?	What was the cost of hiring the animal draught power?	
		males <12	males >=12	females <12	females >=12	1 Yes 2 No	in cash (Kw)	in kind (Kw)	1 Yes 2 No	0 N/A 1 Fem. cattle 2 Oxen 3 Donkey 4 Oxen & fem. cattle	0 N/A 1 Own 2 Hired 3 Borrowed	in cash (Kw)	in kind (Kw)	
OPTYPE	CROP	PLA1A	PLA1B	PLA1C	PLA1D	PLA2	PLA3A	PLA3B	PLA4	PLA5	PLA6	PLA7A	PLA7B	
2														
2														
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Crop code list:		
1 Maize	17 Sweet potatoes	34 Spinach
2 Sorghum	18 Cassava	35 Tomatoes
3 Rice	19 Kenaf	36 Onions
4 Millet	20 Cashew nuts	37 Okra
5 Sunflower	21 Other crops	38 Eggplant
6 Groundnuts	23 Oranges	39 Pumpkins
7 Soyabeans	24 Bananas	40 Chillies
8 Seed cotton	25 Pineapples	41 Chomolia
9 Irish potatoes	26 Guavas	42 Cauliflower
10 Virginia tobacco	27 Pawpaws	43 Carrots
11 Burley tobacco	28 Avocado	44 Lettuce
12 Mixed beans	29 Watermelon	45 Green beans
13 Ground beans	30 Mangoes	46 Green maize
14 Cowpeas	31 Other fruit	47 Other vegetables
15 Velvet beans	32 Cabbage	48 Tangerines
16 Coffee	33 Rape	

Table IV (1 of 1) - Planting of Tubers: For each tuber crop planted, ask the following questions:

File: PlantTubers.sav

Operation type	Crop Enter crop code for cases that apply. (See code list)	No. of hh members that took part in planting.				Did you use hired casual labor for planting? 1 Yes 2 No	How much did you pay for the hired casual labor?		Did you purchase cuttings for the 1998/99 agricultural year? 1 Yes 2 No	What was the cost of the cuttings purchased?		How much did you spend on transporting most of the cuttings?		Were most of the cuttings available in time? 1 Yes 2 No	Did you apply basal dressing fertilizer to the sweet potatoes? 1 Yes 2 No	How much basal dressing fertilizer did you apply to the sweet potatoes? (kg)
		males <12	males >=12	females <12	females >=12		in cash (Kw)	in kind (Kw)		local cuttings (Kw)	improved cuttings (Kw)	in cash (Kw)	in kind (Kw)			
OPTYPE	CROP	PLA1A	PLA1B	PLA1C	PLA1D	PLA2	PLA3A	PLA3B	TUB1	TUB2A	TUB2B	TUB3A	TUB3B	TUB4	PLA8	PLA9
3	17															
3	18															

Crop code list:		
1 Maize	17 Sweet potatoes	34 Spinach
2 Sorghum	18 Cassava	35 Tomatoes
3 Rice	19 Kenaf	36 Onions
4 Millet	20 Cashew nuts	37 Okra
5 Sunflower	21 Other crops	38 Eggplant
6 Groundnuts	23 Oranges	39 Pumpkins
7 Soyabeans	24 Bananas	40 Chillies
8 Seed cotton	25 Pineapples	41 Chomolia
9 Irish potatoes	26 Guavas	42 Cauliflower
10 Virginia tobacco	27 Pawpaws	43 Carrots
11 Burley tobacco	28 Avocado	44 Lettuce
12 Mixed beans	29 Watermelon	45 Green beans
13 Ground beans	30 Mangoes	46 Green maize
14 Cowpeas	31 Other fruit	47 Other vegetables
15 Velvet beans	32 Cabbage	48 Tangerines
16 Coffee	33 Rape	

Table V (1 of 2) - Weeding: For each crop weeded, ask the following questions:

File: weed.sav

Operation type 4 - Weeding	Crop Enter crop code for cases that apply. (See code list)	How many members of the household took part in weeding?				Did you use hired casual labor for weeding? 1 Yes 2 No	How much did you pay for the hired casual labor?		Did you use any animal draught power for weeding? 1 Yes 2 No	What type of animal draught power did you use most? 1 Female cattle 2 Oxen 3 Donkeys 4 Oxen & female cattle	What was the main source of your animal draught power? 1 Own 2 Hired 3 Borrowed	What was the cost of hiring the animal draught power?	
		males <12	males >=12	females <12	females >=12		in cash (Kw)	in kind (Kw)				in cash (Kw)	in kind (Kw)
OPTYPE	CROP	WED1A	WED1B	WED1C	WED1D	WED2	WED3A	WED3B	WED4	WED5	WED6	WED7A	WED7B
4													
4													
4													
4													
4													
4													
4													
4													
4													
4													
4													

Crop code list:		
1 Maize	17 Sweet potatoes	34 Spinach
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3 Rice	19 Kenaf	36 Onions
4 Millet	20 Cashew nuts	37 Okra
5 Sunflower	21 Other crops	38 Eggplant
6 Groundnuts	23 Oranges	39 Pumpkins
7 Soyabeans	24 Bananas	40 Chillies
8 Seed cotton	25 Pineapples	41 Chomolia
9 Irish potatoes	26 Guavas	42 Cauliflower
10 Virginia tobacco	27 Pawpaws	43 Carrots
11 Burley tobacco	28 Avocado	44 Lettuce
12 Mixed beans	29 Watermelon	45 Green beans
13 Ground beans	30 Mangoes	46 Green maize
14 Cowpeas	31 Other fruit	47 Other vegetables
15 Velvet beans	32 Cabbage	48 Tangerines
16 Coffee	33 Rape	

Table VI (1 of 1) - Harvesting: For each crop harvested, ask the following questions:

File: harvest.sav

Operation type 5 - Harvest	Crop Enter crop code for cases that apply. (See code list)	If cassava, how much area was under mature cassava during the 1998/99 agricultural season? (Includes area harvested during 1998/99 season.) (Ha)	If cassava, what is the total area currently under mature cassava? (Ha)	Did you harvest the crop during the 1998/99 agricultural season? 1 Yes 2 No	How many members of the household took part in harvesting?				Did you use hired casual labor for harvesting? 1 Yes 2 No	How much did you pay for the hired casual labor?		How many X Kg bags of the crop did you produce?		Did you incur any costs on transporting the crop from the field to the homestead? 1 Yes 2 No	How much did you spend on transporting the crop from the field to the homestead?	
					males <12	males >=12	females <12	females >=12		in cash (Kw)	in kind (Kw)	# bags	Kg units		in cash (Kw)	in kind (Kw)
OPTYPE	CROP	HRV1	HRV2	HRV3	HRV4A	HRV4B	HRV4C	HRV14D	HRV5	HRV6A	HRV6B	HRV7A	HRV7B	HRV8	HRV9A	HRV9B
5																
5																
5																
5																
5																
5																
5																
5																

For cassava:

5																
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Crop code list:		
1 Maize	17 Sweet potatoes	34 Spinach
2 Sorghum	18 Cassava	35 Tomatoes
3 Rice	19 Kenaf	36 Onions
4 Millet	20 Cashew nuts	37 Okra
5 Sunflower	21 Other crops	38 Eggplant
6 Groundnuts	23 Oranges	39 Pumpkins
7 Soyabeans	24 Bananas	40 Chillies
8 Seed cotton	25 Pineapples	41 Chomolia
9 Irish potatoes	26 Guavas	42 Cauliflower
10 Virginia tobacco	27 Pawpaws	43 Carrots
11 Burley tobacco	28 Avocado	44 Lettuce
12 Mixed beans	29 Watermelon	45 Green beans
13 Ground beans	30 Mangoes	46 Green maize
14 Cowpeas	31 Other fruit	47 Other vegetables
15 Velvet beans	32 Cabbage	48 Tangerines
16 Coffee	33 Rape	

Table VII (1 of 2) - Marketing: For each crop harvested, ask the following questions (for cassava see bottom part of table):

File: market.sav

Operation type	Crop Enter crop code for each crop harvested. (See code list)	Did you sell any of the crop from the quantity produced? 1 Yes 2 No (go to MKT8)	Kg units for MKT2A and MKT2B	Of the total produce of the crop, how much have you sold during the 1998/99 agricultural season in 90kg bags?		How much did you receive from the sale of this crop?		To whom did you sell most of this crop? 1 Farmers association 2 Private trader 3 Agricultural processor 4 Other household 5 NGO 6 Government Agents (OMNIA/FRA) 7 Out-grower facilitator 8 Market - to the public 9 Other (specify)	Where did you sell most of this crop? 1 At the farm 2 At local rural market 3 At urban market	In which month did you sell most of this crop? (See code list)	To process for marketing how much money did you spend on hired casual labor?	
				for cash (bags)	for kind (bags)	in cash (Kw)	in kind (Kw)				in cash (Kw)	in kind (Kw)
OPTYPE	CROP	MKT1	MKT2	MKT2A	MKT2B	MKT3A	MKT3B	MKT4A	MKT4B	MKT5	MKT6A	MKT6B
6												
6												
6												
6												
6												
6												
6												
6												
6												
For cassava:												
6												

Crop code list:		
1 Maize	17 Sweet potatoes	34 Spinach
2 Sorghum	18 Cassava	35 Tomatoes
3 Rice	19 Kenaf	36 Onions
4 Millet	20 Cashew nuts	37 Okra
5 Sunflower	21 Other crops	38 Eggplant
6 Groundnuts	23 Oranges	39 Pumpkins
7 Soyabeans	24 Bananas	40 Chillies
8 Seed cotton	25 Pineapples	41 Chomolia
9 Irish potatoes	26 Guavas	42 Cauliflower
10 Virginia tobacco	27 Pawpaws	43 Carrots
11 Burley tobacco	28 Avocado	44 Lettuce
12 Mixed beans	29 Watermelon	45 Green beans
13 Ground beans	30 Mangoes	46 Green maize
14 Cowpeas	31 Other fruit	47 Other vegetables
15 Velvet beans	32 Cabbage	48 Tangerines
16 Coffee	33 Rape	

Month code list:
1 January
2 February
3 March
4 April
5 May
6 June
7 July
8 August
9 September
10 October
11 November
12 December

Table XI (2 of 2) - Livestock production and marketing: For each animal raised, ask the following questions:

File: livestock.sav

Animal Enter animal code for cases that apply. (See code list)	How many animals did you slaughter for cash sale/barter during the period 10/1/98 - 9/30/99?		How much did you receive from the sale of slaughterer animals (include value of items bartered for)?		How many were slaughtered for home consumption during the period 10/1/98 - 9/30/99?	How many did you give away as gifts during the period 10/1/98 - 9/30/99?	How many did you loose due to sickness, other causes of death or theft during the period 10/1/98 - 9/30/99?		
	for cash (number)	for kind (number)	in cash (Kw)	in kind (Kw)			death from disease (number)	thefts (number)	other losses (number)
ANIMAL	LIV10A	LIV10B	LIV11A	LIV11B	LIV12	LIV13	LIV14A	LIV14B	LIV14C

- Animal code list:
- 2 Cows
 - 3 Heifers
 - 4 Bulls
 - 5 Untrained oxen
 - 6 Trained oxen
 - 7 Tollies/steers
 - 8 Calves
 - 9 Pigs
 - 10 Goats
 - 11 Sheep
 - 12 Donkeys
 - 13 Chickens
 - 14 Guinea fowls
 - 15 Ducks & geese
 - 16 Rabbits

Table XII (1 of 1) - Assets and investments: For each asset owned, ask the following questions:

File: assets.sav

Type of asset	Did you or any member of the household own any of this asset?	How many of this asset did you have on 10/1/98?	How many do you have today?	What is the value of the assets today (Kw)?	Did you purchase/barter into your possessions any of this asset during the period 10/1/98 - 9/30/99?	How many of this asset did you purchase/barter into your possession?		What was the value of these assets purchased/bartered into your possession (include value of items bartered for)?		Were any of your draught animals treated with modern medicine?	How many draught animals were treated with modern medicine?	Did you spend any money repairing the asset during the period 10/1/98 - 9/30/99?	How many of this asset were repaired?	How much money was spent repairing this asset? (Kw)
1 Ploughs 2 Harrows 3 Tractors 4 Other equipment 5 Transportation equipment 6 Lorries & vans 7 Draught animal	1 Yes 2 No				1 Yes 2 No	for cash (number)	for kind (number)	in cash (Kw)	in kind (Kw)	1 Yes 2 No		1 Yes 2 No		
ASSET	AST1	AST2	AST3	AST4	AST5	AST6A	AST6B	AST7A	AST7B	AST8	AST9	AST10	AST11	AST12
1														
2														
3														
4														
5														
6														
7														

Type of asset	Did you sell or barter any of this asset during the period 10/1/98 - 9/30/99?	How much money did you realize from the cash/barter sale of this asset?		To what use did you put most of the money realized from the sale of this asset?
		in cash (Kw)	in kind (Kw)	
1 Ploughs 2 Harrows 3 Tractors 4 Other equipment 5 Transportation equipment 6 Lorries & vans 7 Draught animal	1 Yes 2 No			1 bought inputs 2 bought food 3 bought assets 4 other (specify:.....)
ASSET	AST13	AST14A	AST14B	AST15
1				
2				
3				
4				
5				
6				
7				

Table XIII (1 of 1) - Loans received in kind: For each item for which a loan was applied for, ask the following questions:

File: loans.sav

Loan item	Value applied for? (Kw)	Value received? (Kw)
LOANITEM	LON1	LON2
0 None		
1 Fertilizer		
2 Seed		
3 Oxen		
4 Pesticide-insecticide		
5 Farm implements		
6 Building material		
7 Other		

