

**ZAMBIA POST-HARVEST SURVEY (1997/98)**  
**FOR SMALL AND MEDIUM-SIZED HOLDINGS**  
**(Synthetic Questionnaire)**

Location of data files: c:\docs\Zambia\PostHarv\9798\data\\_\_\_\_\_

Files created for this questionnaire:

File name	Level of Data	Page
id.sav	household	1
allsurid.sav	household	2
hh.sav	household	4
input.sav	household, input type	16
landprep.sav	household, crop	17-18
plant.sav	household, crop	19-20
PlantTubers.sav	household, crop	21
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livestock.sav	household, animal	29-30
assets.sav	household, asset	31
loans.sav	household, loan item	32
advice.sav	household, type of advice	33
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Corresponding Table	Table Description
n/a	Households interviewed, wgt variable
n/a	Households surveyed
n/a	Household level questions
I	Input use
II	Land preparation
III	Planting
IV	Planting of tubers
V	Weeding
VI	Harvesting
VII	Marketing
VIII	Sales of vegetables
IX	On-farm storage
X	Livestock production and marketing
XI	Assets and investments
XII	Loans received in kind
XIII	Agricultural extension services
XIV	Desired agricultural extension services

**ZAMBIA POST-HARVEST SURVEY (1997/98)**  
**FOR SMALL AND MEDIUM-SIZED HOLDINGS**  
(Synthetic Questionnaire)

**“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 1<sup>st</sup> and 2<sup>nd</sup> 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)

<b>ID2</b>		<b>ID3</b>	
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:**  
**ID4A** \_\_\_\_\_ Number of males in household  
**ID4B** \_\_\_\_\_ Number of females in household  
**ID4C** \_\_\_\_\_ Total number of household members

**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 previous 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	

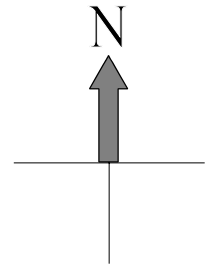
**Table A (1 of 1) - All interviewed households:** This file should only be used if information is needed for households that **did not** complete survey. **File: allsurid.sav**

Sex of head of household 1=Male 2=Female	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	Total	Household grows crops? 0 - NA 1 - Yes 2 - No	Household raises livestock? 0 - NA 1 - Yes 2 - No	Household raises poultry? 0 - NA 1 - Yes 2 - No	Household has fish farms? 0 - NA 1 - Yes 2 - No	
SEX	AGE	RESPONSE	MALE	FEMALE	TOTPOP	GROWCROP	RAISLSTK	POULTRY	FISHFARM	CATEG

NOTE: crop codes were different for 1997 than they are for subsequent years. **The 1997 data were recoded to match later crop codes.**

PROV\_\_\_ DIST\_\_\_ CSA\_\_\_ SEA\_\_\_ HH\_\_\_

**SKETCH THE PARCELS/FIELDS UNDER CROPS IN THE 1997/98 AGRICULTURAL SEASON**



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

- HLAND1**     \_\_\_   Were any crops grown on the holding in the 1997/98 agricultural season?  
                   1 Yes  
                   2 No    (-> Go to question HINPUT1)
- HLAND2**     \_\_\_   How many **parcels** were operated by the members of the household during the 1997/98 agricultural season?
- HLAND3**     \_\_\_   How many **fields** were in the parcels reported to have been operated during the 1997/98 agricultural season?
- HLAND4**     \_\_\_   What was the **total area under crops** during the 1997/98 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***Vegetables (Section 3 of original questionnaire)***Table VIII - Sales of vegetables*

- HINPUT1**     \_\_\_   How much money did you spend on the purchase of vegetable seeds during the 1997/98 agricultural season (Kw)?
- HINPUT2**     \_\_\_   How much chemical fertilizer did you apply on the vegetables grown during the 1997/98 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 1997/98 agricultural season (Kw)?
- HINPUT4**     \_\_\_   How much did you spend on hired casual labor to grow vegetables during the 1997/98 agricultural season (Kw)?
- HINPUT5**     \_\_\_   How much did you spend on transportation of vegetables to the market during the 1997/98 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 1997/98 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

**HSOIL1** \_\_\_ Did you practice any soil conservation during the 1997/98 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 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 IX - 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 1997/98 agricultural season?

- 1 Yes
- 2 No

HCATT2 \_\_\_\_\_ How many cattle of all kinds did you raise on 1<sup>st</sup> October, 1997?

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 X - Livestock production and marketing*

**Fish farming (Section 6 of original questionnaire)**

HFISH1 \_\_\_\_\_ INTERVIEWER: Did the household carry out any fish farming during the 1997/98 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 1997/98 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 1997/98 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 1997/98 agricultural season:

**HEMP3A**      \_\_\_ in cash (Kw)  
**HEMP3B**      \_\_\_ in-kind (Kw)

How much did you pay to the **female permanent employees** during the 1997/98 agricultural season:

**HEMP4A**      \_\_\_ in cash (Kw)  
**HEMP4B**      \_\_\_ in-kind (Kw)

**Assets and investments (Section 8 of original questionnaire)**

*Table XI - Assets and investments*

**Credit (Section 9 of original questionnaire)**

**HCRED1**        97   For the 1997/98 agricultural season:  
 Credit Code

**HCRED2**      \_\_\_ Did you apply for any agricultural loan from the formal sector for the 1997/98 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 1997/98 agricultural season?

What was the source of the loan(s)?

<b>HCRED6A</b>	___	Agricultural financial institution	1 Yes
<b>HCRED6B</b>	___	Cooperative society	1 Yes
<b>HCRED6C</b>	___	Commercial bank	1 Yes
<b>HCRED6D</b>	___	Private credit agent	1 Yes
<b>HCRED6E</b>	___	NGO	1 Yes
<b>HCRED6F</b>	___	Out-grower facilitator	1 Yes
<b>HCRED6G</b>	___	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

What kind(s) of collateral/security was required?

- HCRED8A    \_\_\_    None    1 Yes
- HCRED8B    \_\_\_    Livestock    1 Yes
- HCRED8C    \_\_\_    House    1 Yes
- HCRED8D    \_\_\_    Machinery    1 Yes
- HCRED8E    \_\_\_    Group guarantee    1 Yes
- HCRED8F    \_\_\_    Land    1 Yes
- HCRED8G    \_\_\_    Transport equipment    1 Yes
- HCRED8H    \_\_\_    Other (Specify)    1 Yes

- HCRED9    \_\_\_    Was/were the loan(s) received in cash or in kind?
- 1    Cash
  - 2    In kind
  - 3    Both cash and in kind

*Table XII - Loans received in kind*

HCRED10    \_\_\_    For the loan(s) received in cash, what was the total amount applied for (Kw)?

HCRED11    \_\_\_    For the loan(s) received in cash, what was the total amount received (Kw)?

What was (were) the interest rate(s) on the loan(s) received in cash (percent)?

- HCRED12A    \_\_\_    %
- HCRED12B    \_\_\_    %

HCRED13    \_\_\_    For loan(s) received in cash, how much of the debt is still outstanding (Kw)?

**HCRED14** \_\_\_\_\_ Why did you not apply?  
 1 Inability to pay back  
 2 Credit facility too far  
 3 Interest rate is too high  
 4 Unaware  
 5 Defaulted on earlier loan  
 6 No collateral  
 7 No need  
 8 Other (Specify)

**HCRED15** \_\_\_\_\_ Did you obtain agriculture loans in cash from the informal sector (i.e. friends, neighbors, money lenders) for the 1997/98 agriculture season?  
 1 Yes  
 2 No (-> Go to Table XIII)

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

**Agricultural extension services (Section 10 of original questionnaire)**

*Table XIII - Agricultural extension services*

*Table XIV - Desired agricultural extension services*

**Other agricultural services and holding information (Section 11 of original questionnaire)**

**\*Livestock services\***

**HSICK1** \_\_\_\_\_ Interviewer: did the household raise any cattle during the 1997/98 agricultural season?  
 1 Yes  
 2 No (-> Go to question HINFO1)

**HSICK2** \_\_\_\_\_ Did you vaccinate your cattle against diseases during the 1997/98 agricultural season?  
 1 Yes  
 2 No

**HSICK3** \_\_\_\_\_ Did you practice tick control during the 1997/98 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** \_\_\_\_\_ Where any of your cattle infected by diseases during the 1997/98 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 1997/98 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 1997/98 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 1997/98 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 1997/98 agricultural season?

- |                 |       |  |       |
|-----------------|-------|--|-------|
| <b>HINPUT7A</b> | _____ | Did not use any                          | 1 Yes |
| <b>HINPUT7B</b> | _____ | Bought from input market                 | 1 Yes |
| <b>HINPUT7C</b> | _____ | Bought from trader at the farm stead     | 1 Yes |
| <b>HINPUT7D</b> | _____ | Obtained through outgrowing arrangements | 1 Yes |
| <b>HINPUT7E</b> | _____ | Own retention                            | 1 Yes |
| <b>HINPUT7F</b> | _____ | Gifts                                    | 1 Yes |
| <b>HINPUT7G</b> | _____ | Other (Specify)                          | 1 Yes |

**HINPUT8** \_\_\_\_\_ How did you obtain most of your basal dressing fertilizer during the 1997/98 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)

**HINPUT9** \_\_\_\_\_ How did you obtain most of your top dressing fertilizers during the 1997/98 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 Deep 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 1997/98 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 97/98? 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 97/98? 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	Weight*	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 1997/98 agricultural season?  1 Yes 2 No	Cassava area planted in the 1997/98 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	WGT	CROP	LAN1	LAN2	LAN3	LAN4	LAN5A	LAN5B	LAN5C	LAN5D	LAN6	LAN7A	LAN7B
1													
1													
1													
1													
1													
1													
1													
1													
1													
1													
1													

For cassava:

1													
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\*Weights for various crops may be different from the weight used for household level variables.

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	Weight*	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 use animal draught power during planting? 1 Yes 2 No	What type of animal draught power did you use most? 0 N/A 1 Fem. cattle 2 Oxen 3 Donkey 4 Oxen & fem. cattle	What was the main source of your animal draught power? 0 N/A 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	WGT	CROP	PLA1A	PLA1B	PLA1C	PLA1D	PLA2	PLA3A	PLA3B	PLA4	PLA5	PLA6	PLA7A	PLA7B
2														
2														
2														
2														
2														
2														
2														
2														
2														
2														

\*Weights for various crops may be different from the weight used for household level variables.

Crop code list:		
1	Maize	17 Sweet potatoes
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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 IV (1 of 1) - Planting of Tubers: For each tuber crop planted, ask the following questions:**

**File: PlantTubers.sav**

Operation type	Weight*	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 1997/98 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	WGT	CROP	PLA1A	PLA1B	PLA1C	PLA1D	PLA2	PLA3A	PLA3B	TUB1	TUB2A	TUB2B	TUB3A	TUB3B	TUB4	PLA8	PLA9
3		17															
3		18															

\*Weights for various crops may be different from the weight used for household level variables.

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	Weight*	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	WGT	CROP	WED1A	WED1B	WED1C	WED1D	WED2	WED3A	WED3B	WED4	WED5	WED6	WED7A	WED7B
4														
4														
4														
4														
4														
4														
4														
4														
4														
4														
4														

\*Weights for various crops may be different from the weight used for household level variables.

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

**File: harvest.sav**

Operation type	Weight*	Crop Enter crop code for cases that apply.  (See code list)	If cassava, how much area was under mature cassava during the 1997/98 agricultural season? (Includes area harvested during 1997/98 season.) (Ha)	If cassava, what is the total area currently under mature cassava? (Ha)	Did you harvest the crop during the 1997/98 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 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)	number of bags	Kg unit of measure		in cash (Kw)	in kind (Kw)
OPTYPE	WGT	CROP	HRV1	HRV2	HRV3	HRV4A	HRV4B	HRV4C	HRV4D	HRV5	HRV6A	HRV6B	HRV7	HRV7B	HRV8	HRV9A	HRV9B
5																	
5																	
5																	
5																	
5																	
5																	
5																	
5																	

For cassava:

5																	
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\*Weights for various crops may be different from the weight used for household level variables.

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	Weight*	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 conversion unit	Of the total produce of the crop, how much have you sold during the 1997/98 agricultural season in 90kg bags?		How much did you receive from the sale of this crop?		To whom/where did you sell most of this crop?  1 Co-operative 2 Private trader 3 Agricultural processor 4 Other household 5 NGO 6 Credit co-ordinator 7 Out-grower facility 8 Market 9 Other (specify)	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?		How much did you spend to transport this crop to the market?	
					for cash (90kg bags)	for kind (90kg bags)	in cash (Kw)	in kind (Kw)			in cash (Kw)	in kind (Kw)	in cash (Kw)	in kind (Kw)
OPTYPE	WGT	CROP	MKT1	MKT2	MKT2A	MKT2B	MKT3A	MKT3B	MKT4	MKT5	MKT6A	MKT6B	MKT7A	MKT7B
6														
6														
6														
6														
6														
6														
6														
6														
6														
For cassava:														
6														

\*Weights for various crops may be different from the weight used for household level variables.

Crop code list:			Month code list:		
1 Maize	17 Sweet potatoes	34 Spinach	1 January		
2 Sorghum	18 Cassava	35 Tomatoes	2 February		
3 Rice	19 Kenaf	36 Onions	3 March		
4 Millet	20 Cashew nuts	37 Okra	4 April		
5 Sunflower	21 Other crops	38 Eggplant	5 May		
6 Groundnuts	23 Oranges	39 Pumpkins	6 June		
7 Soyabeans	24 Bananas	40 Chillies	7 July		
8 Seed cotton	25 Pineapples	41 Chomolia	8 August		
9 Irish potatoes	26 Guavas	42 Cauliflower	9 September		
10 Virginia tobacco	27 Pawpaws	43 Carrots	10 October		
11 Burley tobacco	28 Avocado	44 Lettuce	11 November		
12 Mixed beans	29 Watermelon	45 Green beans	12 December		
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 XI (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 10/1/97?	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 10/1/97 - 9/30/98?	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 10/1/97 - 9/30/98?	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 10/1/97 - 9/30/98?	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 XII (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		
1		
2		
3		
4		
5		
6		
7		



