

**ZAMBIA POST-HARVEST SURVEY (1995/96)**  
**FOR SMALL AND MEDIUM-SIZED HOLDINGS**  
**(Synthetic Questionnaire)**

Location of data files: c:\docs\Zambia\PostHarv\9596\data\\_\_\_\_\_

Files created for this questionnaire:

File name	Level of Data	Page
id.sav	household	1
hh.sav	household	2
input.sav	household, input type	9
field.sav	Household, parcel, field	10
landprep.sav	household, crop	11
plant.sav	household, crop	13
PlantTubers.sav	household, crop	14
weed.sav	household, crop	15
harvest_labor.sav	household, crop	16
market_consumption.sav	household, crop	17
livestock.sav	household, animal	18
assets.sav	household, asset	21
loans.sav	household, loan item	22
advice.sav	household, type of advice	23
likeadvice.sav	household, type of advice	24

Corresponding Table	Table Description
n/a	identifying information for household
n/a	household level questions
1	Input use
2	Field level information including harvest
3	Land preparation
4	Planting
5	Planting of tubers
6	Weeding
7	Labour for harvesting and transport expenses
8	Marketing and consumption, mature cassava area
9	Livestock production and marketing
10	Assets and investments
11	Loans received in kind
12	Agricultural extension services
13	Desired agricultural extension services

**ZAMBIA POST-HARVEST SURVEY (1995/96)  
FOR SMALL AND MEDIUM-SIZED HOLDINGS**

**“Identifying variables” (Original Questionnaire Cover)**

**File: id.sav**

**PROV**     \_\_\_\_\_ Province (see code list)  
**OLDDIST**     \_\_\_\_\_ 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 household weight  
**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	B - medium scale holding

**Household population:**

**ID4A**     \_\_\_\_\_ Number of males in household  
**ID4B**     \_\_\_\_\_ Number of females in household  
**ID4C**     \_\_\_\_\_ Total number of household members

**Household agricultural activity:**

**ID5A**     \_\_\_\_\_ Crop growing     1 Yes    2 No  
**ID5B**     \_\_\_\_\_ Livestock raising    1 Yes    2 No  
**ID5C**     \_\_\_\_\_ Poultry raising     1 Yes    2 No  
**ID5D**     \_\_\_\_\_ Fish farming        1 Yes    2 No

**DIST**     District codes to match later surveys

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

File: hh.sav

**hland0** \_\_\_\_ What was the **total area under crops** during the **1994/95 season** (ha)? (Include land under perennial crops)

**hland1** \_\_\_\_ Were any crops grown on the holding in the **1995/96** agricultural season?  
 1 Yes                      2 No      (-> Go to Section 3 – Livestock Production and Marketing)

**hland4** \_\_\_\_ What was the **total area under crops** during the **1995/96** season (ha)? (Include land under perennial crops)

**hinput3** \_\_\_\_ Did you use any fertilizer during the **1995/96** agricultural season?  
 1 Yes                      2 No      (-> Go to **inp3 (input.sav)**– Input use)

**hinput4** \_\_\_\_ Did you purchase any fertilizer for the **1995/96** agricultural season?  
 1 Yes                      2 No      (-> Go to **inp3 (input.sav)** – Input use)

**hinput5** \_\_\_\_ What was the **value of fertilizer** that was **used** from what was **purchased** for the **1995/96** agricultural season (Kwacha)?

*Table 1 - Input use (Section 1)*

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

*Table 2 – Field level information and harvest*

*Table 3 - Land preparation*

*Table 4 - Planting*

*Table 5 - Planting of Tubers*

*Table 6 - Weeding*

*Table 7 – Harvest labor and transport*

*Table 8 – Marketing and consumption – area for mature cassava*

**Livestock Production and Marketing (Section 3 of original questionnaire)**

**hcatt1** \_\_\_\_ Did you or any member of the household **raise any cattle of any kind** during the 1995/96 agricultural season?  
 1 Yes                      2 No

**hcatt2** \_\_\_\_ How many **cattle of all kinds** did you raise on **1<sup>st</sup> October, 1995?**

**hcatt3** \_\_\_\_ How many **cattle of all kinds** are you raising today?

*Table 9 - Livestock production and marketing*

**Fish Farming (Section 4 of original questionnaire)**

**hfish1** \_\_\_\_ INTERVIEWER: Did the household carry out any **fish farming** during the 1995/96 agricultural season?  
 1 Yes            2 No (-> Go to question **hemp1**)

**hfish2** \_\_\_\_ How many ponds **did you operate** during the reference period?

**hish5** \_\_\_\_ During the 1995/96 agricultural season, did you **receive any income** from **fish farming**?  
 1 Yes            2 No (-> Go to question **hemp1**)

**hfish4** \_\_\_\_ What was the **amount** received from **fish farming** (Kwacha)?

**hfish3** \_\_\_\_ How many ponds are **operational today**?

**Permanent employees (Section 5 of original questionnaire)**

**hemp1** \_\_\_\_ Did you **have any permanent employees** to carry out **agricultural operations** during the 1995/96 agricultural season?  
 1 Yes            2 No (-> Go to **Section 6**)

How many **permanent employees** did you have?

**hemp2a** \_\_\_\_ males

**hemp2b** \_\_\_\_ females

How much did you **pay** to the **male permanent employees** during the 1995/96 agricultural season:

**hemp3a** \_\_\_\_ in cash (Kwacha)

**hemp3b** \_\_\_\_ in-kind (Kwacha)

How much did you **pay** to the **female permanent employees** during the 1995/96 agricultural season:

**hemp4a** \_\_\_\_ in cash (Kwacha)

**hemp4b** \_\_\_\_ in-kind (Kwacha)

**Assets and investments (Section 6 of original questionnaire)**

*Table 10 - Assets and investments*

**Credit (Section 7 of original questionnaire)**

*Table 11 - Credit*

**Agricultural extension services (Section 8 of original questionnaire)**

*Table 12 - Agricultural extension services*

*Table 13 - Agricultural extension services – like advice*

**Other agricultural services and holding information (Section 9 of original questionnaire)**

**\*Livestock services\***

**hsick1** \_\_\_\_ Interviewer: did the household **raise any cattle** during the reference period?  
 1 Yes            2 No (-> Go to question **hinfo1**)

**hsick1a** \_\_\_\_ Where do you **graze your cattle** most of the time?  
 1 Own land    2 Rented        3 Communal land    4 Other .....

**hsick1b** \_\_\_\_ Is there **overgrazing** in your area?  
 1 Yes            2 No

**hsick2** \_\_\_\_ Do you **vaccinate your cattle** against diseases?  
 1 Yes            2 No

**hsick3** \_\_\_\_ Do you **practice tick control**?  
 1 Yes            2 No (-> Go to question **hsick6**)

**hsick5** \_\_\_\_ What **type of tick control** do you **use most**?  
 1 Dipping        2 Spraying (-> go to question **hsick6**)    3 Other (Specify) (-> go to question **hsick6**)

**hsick5a** \_\_\_\_ Who **owns the dip tank** you use?  
 1 Self            2 Private        3 Government        4 Community        5 Other .....

**hsick5b** \_\_\_\_ How **far** is the **nearest functional** dip tank?  
 1 Less than 1 Km    2 1 to less than 3 Km    3 3 to less than 5 Km    4 5+ Km

**hsick6** \_\_\_\_ Were any of your **cattle infected** by diseases during the 1995/96 agricultural season?  
 1 Yes            2 No (-> Go to question **hinfo1**)

**hsick6a** \_\_\_\_ How **many instances** were the cattle infected by disease?

**hsick7** \_\_\_\_ How **many cattle were infected** by disease?

**hsick6b** \_\_\_\_ In these instances of disease, did you **consult a veterinary officer**?  
 1 Yes            2 No (-> Go to question **hsick11a**)

**hsick6c** \_\_\_\_ How many **times** did you consult a veterinary officer?

**hsick9** \_\_\_\_ Of the **cattle** which were **infected** with disease, **how many** were **treated** with any modern medicine?

**hsick11** \_\_\_ What was the **main source** of the medicine? (-> Go to question **hsick12**)

- 1 From neighbors or friends
- 2 From a veterinary officer
- 3 Bought in town
- 4 Bought from a local trader
- 5 Other sources

**hsick11a** \_\_\_ **Why didn't** you **consult** a veterinary officer?

- 1 No transport to see him
- 2 No money to buy medicine
- 3 No veterinary officer in the area

**hsick12** \_\_\_ How many **cattle died** due to disease?

**\*Market information\***

**hinfo1** \_\_\_ Did you receive any **information on marketing** for agricultural products?

- 1 Yes
- 2 No (-> Go to question **hinfo5**)

Where did you **obtain information** on **market prices** for your agricultural products? (Rank from 1 = most important to the least important)

- hinfo2a** \_\_\_ Radio
- hinfo2b** \_\_\_ Newspaper
- hinfo2c** \_\_\_ AMIC Ag Marketing Info Center
- hinfo2d** \_\_\_ Traders at the market
- hinfo2e** \_\_\_ Traders who came to the farm
- hinfo2f** \_\_\_ Fellow farmers
- hinfo2g** \_\_\_ Extension officers
- hinfo2h** \_\_\_ Other sources

How often did you obtain this information?

- 1 Once a week
- 2 Once a month
- 3 2 - 3 times a month
- 4 Once in three months
- 5 Once in a season

- hinfo2aa** \_\_\_ Radio
- hinfo2bb** \_\_\_ Newspaper
- hinfo2cc** \_\_\_ AMIC Ag Marketing Info Center
- hinfo2dd** \_\_\_ Traders at the market
- hinfo2ee** \_\_\_ Traders who came to the farm
- hinfo2ff** \_\_\_ Fellow farmers
- hinfo2gg** \_\_\_ Extension officers
- hinfo2hh** \_\_\_ Other sources

**hinfo3** \_\_\_ Are you **satisfied with the quality of this information**?

- 1 Yes (-> Go to question **hinfo5**)
- 2 No

Why are you **not satisfied** with the **quality** of this information? (Indicate up to two choices ranked by importance.)

- hinfo4a** \_\_\_\_\_ Infrequent information
- hinfo4b** \_\_\_\_\_ Inaccurate information
- hinfo4c** \_\_\_\_\_ Interest not covered
- hinfo4d** \_\_\_\_\_ Livestock not covered
- hinfo4e** \_\_\_\_\_ Information is too complex

**hinfo5** \_\_\_\_\_ Did you **receive any information on agricultural input supply**?  
 1 Yes                      2 No (-> Go to question **hdist1**)

**hinfo6** \_\_\_\_\_ Where do you **obtain information on agricultural input supply**? (Rank from 1 = most important to the least important.)

- hinfo6a** \_\_\_\_\_ Radio
- hinfo6b** \_\_\_\_\_ Newspaper
- hinfo6c** \_\_\_\_\_ AMIC Ag Marketing Info Center
- hinfo6d** \_\_\_\_\_ Traders at the market
- hinfo6e** \_\_\_\_\_ Traders who came to the farm
- hinfo6f** \_\_\_\_\_ Fellow farmers
- hinfo6g** \_\_\_\_\_ Extension officers
- hinfo6h** \_\_\_\_\_ Other sources

**hdist1** \_\_\_\_\_ What is the **distance to the nearest all-weather road**?  
 1 Less than 5 Km              2 5 to 10 Km                      3 More than 10 Km

**hdist2** \_\_\_\_\_ What is the **distance to the nearest input market**?  
 1 Less than 10 Km              2 10 to 15 Km                      3 More than 20 Km

**hdist3** \_\_\_\_\_ What is the **distance to the place** where you **normally obtain** your **inputs**?  
 1 Less than 10 Km              2 10 to 15 Km                      3 More than 20 Km                      4 Not Applicable

**hdist4** \_\_\_\_\_ What **mode of transport** do you **normally use** to get there?  
 1 On foot  
 2 Bicycle  
 3 Scotch cart  
 4 Own vehicle  
 5 Public transport  
 6 Other (specify)

**hinput1** \_\_\_ How do you **obtain most of your inputs**?

- 1 Do not use any
- 2 Buy from input market
- 3 By from trader at farmstead
- 4 Obtain through out-growing arrangements
- 5 Own retention
- 6 Gifts
- 7 Other (Specify)

**hinput2** \_\_\_ How do you **finance most of your inputs**?

- 1 Pay in cash
- 2 Pay in kind
- 3 Purchase on credit and repay in cash
- 4 Purchase on credit and repay in kind
- 5 Through outgrowing arrangement
- 6 Not Applicable

**\*Other agricultural services and holding information\***

What **assets** would you want to **invest in** as an individual? (If multiple rank from 1 = most important to the least important.)

- hgrp1a** \_\_\_ Fish ponds
- hgrp1b** \_\_\_ Small irrigation
- hgrp1c** \_\_\_ Orchard/plantation
- hgrp1d** \_\_\_ Livestock
- hgrp1e** \_\_\_ Implements
- hgrp1f** \_\_\_ Vehicle to transport produce to market
- hgrp1g** \_\_\_ Acquisition of additional land through clearing (or purchase)
- hgrp1h** \_\_\_ Dip tank
- hgrp1i** \_\_\_ Other (specify)

What **investments** would you would want your **community** to **undertake**? (If multiple rank from 1 = most important to the least important.)

- hgrp2a** \_\_\_ Feeder roads
- hgrp2b** \_\_\_ Small irrigation
- hgrp2c** \_\_\_ Fish pond
- hgrp2d** \_\_\_ Dip tank
- hgrp2e** \_\_\_ Marketing center
- hgrp2f** \_\_\_ Other (Specify)

**hgrp3** \_\_\_ Have you heard about the Rural Investment Fund (RIF) (ASIP)?

1 Yes            2 No (-> **hgrp11**)

**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 Transport (Specify)

**hgrp8** \_\_\_\_ Did you **as a group** apply for **agricultural loans from the formal sector** for the 1995/96 agricultural season?  
 1 Yes            2 No

**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 Transport (Specify)  
 4 NA

**hgrp11** \_\_\_\_ Do **you** currently have title to your **land**?  
 1 Yes (-> **END INTERVIEW**)            2 No

**hgrp12** \_\_\_\_ Would you like to obtain title to your **land**?  
 1 Yes            2 No (-> **END INTERVIEW**)

**hgrp13** \_\_\_\_ How much would you be willing to pay to obtain title for your land? (Kwacha)

**END INTERVIEW**

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

**File: input.sav**

Input type	What quantity of the input did you use? (kg)	Did you purchase any of this input during 95/96? 1 Yes 2 No (go to next INPUT type)	What quantity did you purchase?		How much did you spend purchasing the input?		What was the quantity used from purchase? (Kg)	What was the value of the quantity used from what was purchased? (Kwacha)	How much did you spend on transporting the input?		Was the input available in time? 1 Yes 2 No	
			cash purchase (kg)	in-kind purchase (kg)	cash (Kwacha)	in-kind (Kwacha)			cash (Kwacha)	in kind (Kwacha)		
	INPUT	INP2	INP3	INP5A	INP5B	INP6A	INP6B	INP7A	INP7B	INP8A	INP8B	INP9
Basal Fertilizer	1											
Top Dressing	2											
Pesticides/Insecticides	4											
Grain bags	5			# bags								

**Table 2 (1 of 1) – Field level – harvest information: Please supply the following information field by field:**

**File: field.sav**

Parcel no.	Field no.	What crop(s) were grown in the field	Area of field (ha)	What method of cultivation was used? 1 full tillage 2 minimum tillage	Month planted	Week planted	How much fertilizer was applied to this field?		How much was produced from this field?	Unit code	Conversion to kgs	Total kgs produced	If field was cultivated for last 5 years, how is soil fertility? 1 Better 2 Unchanged 3 Worse 4 Not applicable	Did you apply animal manure? 1 Yes 2 No	Crops grown in this field in the 1994/95 season	
							Basal (kg)	Top (kg)							crp94951	crp94952
parcel	field	crop	area	cultmthd	plntmnth	plntweek	basl	topdress	hrv7	hrv7a	hrv7b	kg_harv	soilfert	manure	crp94951	crp94952

Parcel no.	Field no.	Which of the following <b>soil conservation methods</b> do you use in this field? 1 Yes 2 No							Old crop codes	Old crop codes for 94/95
		nouse	mulch	contour	fallow	terrace	bunding	other		

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           | 88 NA               |

**Table 3 (1 of 2) - Land preparation: For each crop grown, ask the following questions (for cassava see bottom part of table):**

**File: landprep.sav**

**NOTE: This information was not collected for each specific field.**

Operation type	Crop Enter crop code for cases that apply. (See code list)	Did you plant cassava in the 1995/96 agricultural season? 1 Yes 2 No	Cassava area planted in the 1995/96 agricultural season. (ha)	No. of adult household members that took part in the land preparation.		Did you use hired casual labor for land preparation? 1 Yes 2 No (go to lan8)	How much did you pay for the hired casual labor?	
				males	females		in cash (Kwacha)	in kind (Kwacha)
otype	crop	lan3	lan4	lan5b	lan5d	lan6	lan7a	lan7b
1								
1								
1								
1								
1								
1								
1								
1								
1								
1								
1	18							

**The 1996 data were recorded to match later crop codes.**

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		
88	NA		



**Table 4 (1 of 1) - 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 adult household members that took part in planting.		Did you use and casual hired labor for planting? 1 Yes 2 No	How much did you pay for the hired casual labor?		Did you purchase seed for 1995/96 season? 1 Yes 2 No (go to <b>pla18</b> )	What was the quantity and cost of <b>local seed</b> purchased and used?		What was the quantity and cost of <b>hybrid seed</b> purchased and used?		What was the quantity and cost of <b>recycled seed</b> purchased and used?		Amount spent on transporting seed from market to home?		Was most of seed available in time? 1 Yes 2 No
		males	females		in cash (Kwacha)	in kind (Kwacha)		Quantity (kg)**	Cost (Kwacha)	Quantity (kg)**	Cost (Kwacha)	Quantity (kg)**	Cost (Kwacha)	cash (Kwacha)	in kind (Kwacha)	
optype	crop	pla1b	pla1d	pla2	pla3a	pla3b	pla12	pla13a	pla13b	pla14a	pla14b	pla15a	pla15b	pla16a	pla16b	pla17
2																
2																
2																
2																
2																
2																
2																
2																
2																
2																

**Crops were recoded to match later crop codes.**

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	88 NA

**Table 5 (1 of 1) - Planting of Tubers: For each tuber crop (cassava only) planted, ask the following questions:** **File: PlantTubers.sav**

Operation type	Crop Enter crop code for cases that apply. (See code list)	No. of adult household members that took part in planting.		Did you use any casual hired labor for planting? 1 Yes 2 No	How much did you pay for the hired casual labor?		What was the cost of the cuttings (if purchased)? (Kwacha)	How much did you spend on transporting most of the cuttings? (Kwacha)	Were most of the cuttings available in time? 1 Yes 2 No
		males	females		cash (Kwacha)	in kind (Kwacha)			
optype	crop	pla1b	pla1d	pla2	pla3a	pla3b	tub2a	tub3a	tub4
3	18								

**Crop codes were recoded to match later crop codes.**

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	88 NA	

**Table 6 (1 of 2) - Weeding: For each crop weeded, ask the following questions:** **File: weed.sav**

Operation type	Crop Enter crop code for cases that apply.  (See code list)	How many adult members of the household took part in weeding?		Did you use any casual hired labor for weeding?  1 Yes 2 No	How much did you pay for the casual hired labor?		Did you use any animal power for weeding?  1 Yes 2 No	What type of animal power did you use most?  1 Female cattle 2 Oxen 3 Donkeys 4 Oxen & female cattle	What was the main source of your animal power?  1 Own 2 Hired 3 Borrowed	What was the cost of hiring the animal draught power?		Did you use any mechanical power for weeding?  1 Yes 2 No	What type of mechanical power did you use most?  1 Tractor 2 Hand-tractor 3 Bulldozer 4 Other (Specify)	What was the main source of your mechanical power?  1 Own 2 Hired 3 Borrowed	What was the cost of hiring the mechanical power?	
		males	females		cash (Kwacha)	in kind (Kwacha)				cash (Kwacha)	in kind (Kwacha)				in cash (Kwacha)	in kind (Kwacha)
optype	crop	wed1b	wed1d	wed2	wed3a	wed3b	wed4	wed5	wed8	wed9	wed7b	wed8	wed9	wed10	wed11a	wed11b
4																
4																
4																
4																
4																
4																
4																
4																
4																
4																
4																

**Crop codes were recoded to match later crop codes.**

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	88 NA



**Table 8 (1 of 2) – Marketing and consumption: For each crop marketed, ask the following questions: (cassava at end of table) File: market\_consumption.sav**

Operation type	Crop Enter crop code  (See code list)	Did you sell any of the crop from the quantity produced?  1 Yes 2 No (go to mkt8)	Of the total produce of the crop, how much have you sold during the 1995/96 agricultural season ?								How much did you receive from the sale of this crop?		To whom did you sell most of this produce? 1 Co-operative 2 Private trader 3 Agricultural processor 4 Local household 5 NGO 6 Credit co-ordinator 7 Other	In which month did you sell most of this crop?  (See code list)	To process for marketing how much money did you spend on casual hired labor?		How much did you spend to transport this crop to the market?	
			Cash (Kwacha)	Unit of measure	Kg conversion value	Kgs sold for cash	in kind (Kwacha)	Unit of measure	Kg conversion value	Kgs sold in kind	cash (Kwacha)	in kind (Kwacha)			cash (Kwacha)	in kind (Kwacha)	cash (Kwacha)	in kind (Kwacha)
optype	crop	mkt1	mkt2a	mkt2au	mkt2ac	kg_soldc	mkt2b	mkt2bu	mkt2bc	kg_soldk	mkt3a	mkt3b	mkt4	mkt5	mkt6a	mkt6b	mkt7a	mkt7b
6																		
6																		
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6																		

For cassava:

6																		
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**Crop codes were recoded to match later crop codes.**

- |                     |                   |                     |
|---------------------|-------------------|---------------------|
| 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           | 88 NA               |

- |                  |
|------------------|
| 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 9 (1 of 2) - Livestock production and marketing: For each animal raised, ask the following questions:** **File: livestock.sav**

Animal Enter animal code (See code list)	Was animal raised during 1995/96 season? 1 Yes 2 No	How many did you raise on 10/1/95? If animal >= 13, skip this question.	How many are you raising today?	How many were born alive? (Not asked for animal codes 2-7 or 13-16.)	How many did you purchase/barter into you possession between 10/1/95 and 9/30/96?		How much did you pay for the animals purchased/bartered into your possession? (Include value of items bartered for the animals.)		How many did you receive as gifts during the period 10/1/95 - 9/30/96?	How many did you sell/barter out during the period 10/1/95 - 9/30/96?		How much did you receive from the sales of these animals? (Include value of items bartered for the animals.)	
					for cash (number)	in kind (number)	for cash (Kwacha)	in kind (Kwacha)		for cash (number)	in kind (number)	for cash (Kwacha)	in kind (Kwacha)
animal	liv1	liv2	liv3	liv4	liv5a	liv5b	liv6a	liv6b	liv7	liv8a	liv8b	liv9a	liv9b

- 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 10 (1 of 1) - Assets and investments: For each asset owned, ask the following questions:** File: assets.sav

Type of asset 1 Ploughs 2 Harrows 3 Tractors 4 Planter 5 Ox carts 6 Draught animal	Did you or any member of the household own any of this asset during the 1995/96 agricultural season? 1 Yes 2 No	How many of this asset did you have on 10/1/95?	How many were service-able then?	How many do you have today?	How many are service-able today?	What is the value of the assets today (Kwacha)?	Did you purchase/barter into your possessions any of this asset during the period 10/1/95 - 9/30/96? 1 Yes 2 No	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)?		Did you spend money on treatment of draught animals during this period? 1 Yes 2 No	How many draught animals were treated?	How much money was spent on treatment?
								for cash (number)	in kind (number)	for cash (Kwacha)	in kind (Kwacha)			
asset	ast1	ast2	ast2a	ast3	ast3a	ast4	ast5	ast6a	ast6b	ast7a	ast7b	ast8	ast9	ast9a
1														
2														
3														
4														
5														
6														

Type of asset 1 Ploughs 2 Harrows 3 Tractors 4 Planter 5 Ox carts 6 Draught animal	Did you spend any money repairing the asset during the period 10/1/95 - 9/30/96? 1 Yes 2 No	How many of this asset were repaired?	How much money was spent repairing this asset?  (Kwacha)	Did you sell or barter any of this asset during the period 10/1/95 - 9/30/96? 1 Yes 2 No	How much money did you realize from the cash/ barter sale of this asset?  (Kwacha)	To what use did you put most of the money realized from the sale of this asset?  1 Bought inputs 2 Bought food 3 Bought assets 4 Other (specify:.....) 8 NA
asset	ast10	ast11	ast12	ast13	ast14a	ast15
1						
2						
3						
4						
5						
6						

**Table 11 (1 of 1) - Loans received in kind: For each item for which a loan was applied for, ask the following questions:**

File: loans.sav

In kind loan item	Credit year				
1 Fertilizer	94 PHS94/95	Quantity applied for?	Quantity received?	Unit of measure	Kg conversion value
2 Seed	95 PHS95/96				
3 Oxen	96 PHS96/97				
4 Pesticide-insecticide					
5 Farm implements					
6 Building material					
7 Other					
loanitem	credit	lon1	lon2	lon3	lon3a
1					
2					
3					
4					
5					
6					
7					

**Table 12 (1 of 1) - Agricultural extension services: For each type of advice received, ask the following questions:**

**File: advice.sav**

Type of advice	Did you receive any advice of this type during the 1995/96 agricultural season?  1 Yes	What was the most important source of such advice?  1 Individual contact 2 Farmer group 3 Field days 4 Radio 5 Publications 6 Marketing agents 7 NGO 8 Fellow farmer 9 Other Specify:.....	How often did you receive advice from this source?  1 Once a week 2 Once a month 3 2 to 3 times a month 4 Once in 3 months 5 Once a season	Did you use any of the advice received during the last agricultural season?  1 Yes (-> Go to next advice) 2 No	Why did you not use the advice?  1 Irrelevant 2 Lack of funds 3 Lack of inputs 4 Other (Specify: .....)
advice	adv1	adv2	adv3	adv4	adv5
1. Crop husbandry					
2. Crop diversification					
3 Animal husbandry					
4 Marketing					
5 Credit					
6 Conservation farming					
7 Fruits and vegetables					
8 Irrigation					
9 Fish farming					
10 Household food security					
11 Farm management					
12 Farm power					
13 Post harvest processing					
14 Storage of farm produce					

**Table 13 (1 of 1) - Agricultural extension services: For each type of advice received, ask the following question:**

**File: likeadvice.sav**

Type of advice	Would you like to receive advice / more advice on ....? 1 Yes 2 No
likeadv	adv11
1. Crop husbandry	
2. Crop diversification	
3 Animal husbandry	
4 Marketing	
5 Credit	
6 Conservation farming	
7 Fruits and vegetables	
8 Irrigation	
9 Fish farming	
10 Household food security	
11 Farm management	
12 Farm power	
13 Post harvest processing	
14 Storage of farm produce	

**END OF TABLES**