ZAMBIA POST-HARVEST SURVEY (1993/94)
FOR SMALL AND MEDIUM-SIZED HOLDINGS
(Synthetic Questionnaire)

Location of data files: c:\docs\Zambia\PostHarv\9394\data\_______

Files created for this questionnaire:

<table>
<thead>
<tr>
<th>File name</th>
<th>Level of Data</th>
<th>Page</th>
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<table>
<thead>
<tr>
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<tr>
<td>1</td>
<td>Crops planted, harvested, marketed, consumed</td>
</tr>
<tr>
<td>2</td>
<td>Sales of vegetables and fruits</td>
</tr>
<tr>
<td>3</td>
<td>Livestock production and marketing</td>
</tr>
<tr>
<td>4</td>
<td>Assets and investments</td>
</tr>
</tbody>
</table>
ZAMBIA POST-HARVEST SURVEY (1993/94)
FOR SMALL AND MEDIUM-SIZED HOLDINGS

“Identifying variables”

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

Village/locality name: ______________________________________
Name of head of household: ________________________________

WGT ______ Revised Household weight factor
OLDWGT ___ Original 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)

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

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

ID2  ID3
Value Label  Value Label
1  Completed 1  A - small scale holding
2  B - medium scale holding
Section 1. Farm land

**hland1**  Did you raise any crops this year?
1 Yes  2 No  (-> Go to hland4a)

**hland2a**  How many parcels were under crops?

**hland2b**  How many fields were in the parcels?

**hland2c**  What was the total area of the fields?

**hland2d**  Of the total area reported above, how much was planted in the 1993/94 agricultural season (hectares)?

**hland4a**  Were crops grown in the 1992/93 agricultural season?
1 Yes  2 No  (-> Go to Section 2)

**hland4b**  What was the total area under crops during the 1992/93 agricultural season (hectares)? (Include land under perennial crops)

**hland4c**  What was the total area planted to crops during the 1992/93 agricultural season (hectares)?

Section 7 – Farm employment

**hemp1**  Did you have any permanent employees during the 1993/94 agricultural season?
1 Yes  2 No  (-> Go to hemp7)

How many permanent employees did you have?

**hemp2a**  males

**hemp2b**  females

How much money did you pay to these employees?

**hemp5**  in cash (Kwacha)

**hemp6**  Did you make any payments in kind to permanent employees during the 1993/94 agricultural season?
1 Yes  2 No  (-> Skip to hemp7)

How much did you pay to the permanent employees in kind?

**hemp6a**  in-kind (Kwacha)

**hemp7**  Did you engage any wage/piece workers to assist in farming operations during the 1993/94 agricultural season?
1 Yes  2 No  (-> Skip to hemp9)
How much did you pay to the wage/piece workers during the 1993/94 agricultural season:

hemp7a _____ in-cash (Kwacha)

hemp8 _____ Did you make any payments in kind to casual workers during the 1993/94 agricultural season?

1  Yes   2  No  (-> Skip to hemp9)

How much did you pay to the casual workers in kind during the 1993/94 agricultural season:

hemp8a _____ in-kind (Kwacha)

hemp9 _____ Did any household members work without formal pay during the 1993/94 agricultural season?

1  Yes   2  No  (-> Go to Section 8)

How many household members worked on the holding during the 1993/94 agricultural season without formal pay:

hemp9a _____ males
hemp9b _____ females

SECTION 8. Farm Inputs

hinp1 _____ Did you purchase seeds or seedlings for the 1993/94 agricultural season?

1  Yes   2  No  (-> Go to hinp7)

hinp2a _____ Kilograms of seed purchased
hinp2b _____ Number of seedlings purchased

hinp3 _____ Kwacha value of seeds / seedlings purchased

hinp4 _____ Did the household use all the seeds/seedlings purchased?

1  Yes   2  No  (-> Go to hinp7)

hinp5a _____ Kilograms of seed used from total purchased
hinp5b _____ Number of seedlings used from total purchased

hinp6 _____ Kwacha value of seeds / seedlings used

hinp7 _____ During the 1993/94 agricultural season, did you use any seed purchased for the 1992/93 agricultural season?

1  Yes   2  No  (-> Go to hinp9)

hinp8 _____ Kilograms of seed used from purchased in the 1992/93 agricultural season
hinp9  ____ Did you purchase chemical fertilizer for the 1993/94 agricultural season?
    1  Yes       2  No  (-> Go to hinp13)

hinp10a ____ Kilograms of chemical fertilizer purchased
hinp10b ____ Kwacha value of chemical fertilizer purchased

hinp11 ____ Did the household use all chemical fertilizer purchased during the 1993/94 agricultural season?
    1  Yes       2  No  (-> Go to hinp13)

hinp12a ____ Kilograms of chemical fertilizer used from purchase
hinp12b ____ Kwacha value of chemical fertilizer used from purchase

hinp13 ____ During the 1993/94 agricultural season, did you use any chemical fertilizer purchased for the 1992/93 agricultural season?
    1  Yes       2  No  (-> Go to Section 9)

hinp14 ____ Kilograms of chemical fertilizer used in the 93/94 season from purchase for 92/93 season

SECTION 9. Farm Loans

hcred2 ____ Did you or any members of the household apply for any agricultural loan for agricultural purposes for the 1993/94 agricultural season?
    1  Yes
    2  No  (-> go to Section 10)

hcred3 ____ How many loans were applied for?

Which agency was approached for these loans?

hcred6a ____ Agricultural financial institution  1 Yes
hcred6b ____ Cooperative union  1 Yes
hcred6c ____ Commercial bank  1 Yes
hcred6g ____ Other (Specify)  1 Yes

What was the purpose of each of these loans?

hcred7a ____ Farm inputs  1 Yes
hcred7b ____ Purchase of draught animals  1 Yes
hcred7c ____ Purchase or repair of farm equipment and implements  1 Yes
hcred7d ____ Purchase construction or repair of farm buildings and structures  1 Yes
hcred7g ____ Purchase of livestock/poultry for raising or breeding on the holding  1 Yes
hcred7f ____ Other (Specify)  1 Yes

hcred5 ____ How many loans were approved? (Note: original questionnaire has 2 questions, only one was entered into the data files.)
**SECTION 11: Miscellaneous**

**Repair**
- **hmisc1** Kwacha paid to repair own equipment and/or implements
- **hmisc2** Kwacha paid to repair rented and/or hired equipment and/or implements

**Hire**
- **hmisc3** Kwacha paid to hire and/or rent equipment and/or implements

**Miscellaneous farm expenditure**
- **hmisc4** Kwacha paid to transport crops to market
- **hmisc5** Kwacha paid to transport livestock to market

**Other farm expenditure**
- **hmisc6** Other farm expenditure (specify)
- **hmisc7** Other farm expenditure (specify)

**Input Supply Situation**

**Agricultural Credit:**
- **hcred1a** Agricultural Credit - timely 1 Yes
- **hcred1b** Agricultural Credit - late 1 Yes
- **hcred1c** Agricultural Credit - adequate 1 Yes
- **hcred1d** Agricultural Credit - inadequate 1 Yes
- **hcred1e** Agricultural Credit - other 1 Yes

**Hybrid maize seed:**
- **hinput1a** Hybrid maize seed - timely 1 Yes
- **hinput1b** Hybrid maize seed - late 1 Yes
- **hinput1c** Hybrid maize seed - adequate 1 Yes
- **hinput1d** Hybrid maize seed - inadequate 1 Yes
- **hinput1e** Hybrid maize seed - other 1 Yes
<table>
<thead>
<tr>
<th>Input</th>
<th>Description</th>
<th>Code</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>hinput2a</td>
<td>Basal dressing (fertilizer) – timely</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>hinput2b</td>
<td>Basal dressing (fertilizer) - late</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>hinput2c</td>
<td>Basal dressing (fertilizer) - adequate</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>hinput2d</td>
<td>Basal dressing (fertilizer) - inadequate</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>hinput2e</td>
<td>Basal dressing (fertilizer) - other</td>
<td>2</td>
<td>Yes</td>
</tr>
<tr>
<td>hinput3a</td>
<td>Top dressing (fertilizer) – timely</td>
<td>3</td>
<td>Yes</td>
</tr>
<tr>
<td>hinput3b</td>
<td>Top dressing (fertilizer) - late</td>
<td>3</td>
<td>Yes</td>
</tr>
<tr>
<td>hinput3c</td>
<td>Top dressing (fertilizer) – adequate</td>
<td>3</td>
<td>Yes</td>
</tr>
<tr>
<td>hinput3d</td>
<td>Top dressing (fertilizer) - inadequate</td>
<td>3</td>
<td>Yes</td>
</tr>
<tr>
<td>hinput3e</td>
<td>Top dressing (fertilizer) - other</td>
<td>3</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**END INTERVIEW**
Table 1 (1 of 1) – Section 2: Crop production: For each crop grown, ask the following questions (harvesting / marketing / consumption):

<table>
<thead>
<tr>
<th>Crop</th>
<th>Was crop planted?</th>
<th>Total hectares planted under this crop in 93/94</th>
<th>Number of times planted mixed beans</th>
<th>Crop code = 12</th>
<th>Did you harvest all the area planted?</th>
<th>Total hectares harvested</th>
<th>Did you harvest any cassava?</th>
<th>Hectares under mature cassava in 93/94</th>
<th>Number of bags harvested</th>
<th>Number of kgs harvested</th>
<th>Conversion value to convert to kgs</th>
<th>Total kgs harvested</th>
<th>Number of bags sold</th>
<th>Number of kgs sold</th>
<th>Total kgs sold</th>
<th>Kwacha received for sold</th>
<th>Number of bags for consumption</th>
<th>Number of kgs for consumption</th>
<th>Total kgs consumed</th>
<th>Old crop codes</th>
<th>Year</th>
<th>Median price (provincial or national) (Kw/kg)</th>
<th>Source of price</th>
</tr>
</thead>
<tbody>
<tr>
<td>crop</td>
<td>lan1</td>
<td>lan2a</td>
<td>pla20</td>
<td>hrv3a</td>
<td>lan2b</td>
<td>hrv3</td>
<td>qhbags</td>
<td>qbkgs</td>
<td>conver</td>
<td>kg_harv</td>
<td>qsbags</td>
<td>qskgs</td>
<td>kg_sold</td>
<td>mkt3a</td>
<td>csmbag</td>
<td>csmkg</td>
<td>kg_cons</td>
<td>olderop</td>
<td>year</td>
<td>medprice</td>
<td>src</td>
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</tbody>
</table>

The 1993/94 data were recoded to match 1997 crop codes.

Crop code list:
1. Maize
2. Sorghum
3. Rice Paddy
4. Millet
5. Sunflower
6. Groundnuts
7. Soyabeans
8. Seed cotton
9. Irish potatoes
10. Virginia tobacco
11. Burley tobacco
12. Mixed beans
13. Ground beans
14. Cowpeas
15. Velvet beans
16. Coffee
17. Sweet potatoes
18. Cassava
19. Kenaf
20. Cashew nuts
21. Other crops
22. Round nuts

The 1993/94 data were recoded to match 1997 crop codes.
Table 2 (1 of 1) - Sales of fruits and vegetables: For each crop raised/sold, ask the following questions:

<table>
<thead>
<tr>
<th>Fruit / Vegetable crop</th>
<th>Number of trees</th>
<th>Total hectares planted 93/94</th>
<th>How much was realized from the sale of this fruit or vegetable in the 1993/94 agricultural season? (Kw)</th>
<th>Old fruit / vegetable code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>crop</td>
<td>ntrees</td>
<td>lan2a</td>
<td>mkt3a</td>
<td>oldcrop</td>
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<td></td>
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</tr>
</tbody>
</table>

Crop code list:

- 23 Oranges
- 24 Bananas
- 25 Pineapples
- 26 Guavas
- 27 Paw paws
- 28 Avocado
- 29 Watermelon
- 30 Mangoes
- 31 Other fruit
- 32 Cabbage
- 33 Rape
- 34 Spinach
- 35 Tomato
- 36 Onion
- 37 Okra
- 38 Eggplant
- 39 Pumpkin
- 40 Chilies
- 41 Chomeoili
- 42 Cauliflower
- 43 Carrots

The 1993/94 data were recoded to match the later crop codes.
Table 3 (1 of 2) - Livestock production and marketing: For each animal raised, ask the following questions:

<table>
<thead>
<tr>
<th>Animal</th>
<th>Age category (for pigs only)</th>
<th>Was animal raised during 1993/94 season?</th>
<th>How many did you raise on 10/1/93?</th>
<th>If animal &gt;= 13, skip this question</th>
<th>How many are you raising today?</th>
<th>Number of bulls</th>
<th>Number of cows and heifers</th>
<th>Number of calves</th>
<th>Number of oxen</th>
<th>Number of trained oxen, tollies/steers</th>
<th>Number of un-trained oxen</th>
<th>Number of un-trained tollies/steers</th>
<th>How many were born alive? (Not asked for animal codes 13-17.)</th>
<th>How many did you purchase/barter into your possession between 10/1/93 and 9/30/94? (Include value of items bartered for the animals.)</th>
<th>How much did you pay for the animals purchased bartered into your possession? (Include value of items bartered for the animals.)</th>
<th>How many did you receive as gifts during the period 10/1/93 - 9/30/94?</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>animal</th>
<th>agecat</th>
<th>liv1</th>
<th>liv2</th>
<th>liv3</th>
<th>cows</th>
<th>bulls</th>
<th>calves</th>
<th>oxen</th>
<th>ox_str</th>
<th>u_ox</th>
<th>u_str</th>
<th>liv4</th>
<th>liv5a</th>
<th>liv6a</th>
<th>liv7</th>
</tr>
</thead>
</table>

Animal code list:

1. Cattle
2. Pigs
3. Goats
4. Sheep
5. Chickens
6. Guinea fowls
7. Ducks & geese
8. Turkeys
Table 3 (2 of 2) - Livestock production and marketing: For each animal raised, ask the following questions:

<table>
<thead>
<tr>
<th>Animal</th>
<th>liv8a</th>
<th>liv9a</th>
<th>live10a</th>
<th>liv11a</th>
<th>liv12</th>
<th>liv13</th>
<th>liv14a</th>
<th>sellskin</th>
<th>numskin</th>
<th>kwskin</th>
<th>animold</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

Animal code list:

1. Cattle
2. Pigs
3. Goats
4. Sheep
5. Chickens
6. Guinea fowls
7. Ducks & geese
8. Turkeys

---

<table>
<thead>
<tr>
<th>Animal code list:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1    Cattle</td>
</tr>
<tr>
<td>2    Pigs</td>
</tr>
<tr>
<td>3    Goats</td>
</tr>
<tr>
<td>4    Sheep</td>
</tr>
<tr>
<td>5    Chickens</td>
</tr>
<tr>
<td>6    Guinea fowls</td>
</tr>
<tr>
<td>7    Ducks &amp; geese</td>
</tr>
<tr>
<td>8    Turkeys</td>
</tr>
</tbody>
</table>
**Table 4 (1 of 1) - Assets and investments:** For each asset owned, ask the following questions:

<table>
<thead>
<tr>
<th>Type of asset</th>
<th>Did you or any member of the household own any of this asset in 93/94?</th>
<th>How many of this asset did you own today?</th>
<th>Did you purchase/barter into your possessions any of this asset during the period 10/1/93 - 9/30/94?</th>
<th>How many of this asset did you purchase/barter into your possession?</th>
<th>What was the value of these assets purchased/bartered into your possession (include value of items bartered for)? in cash (Kwacha)</th>
<th>Did you purchase / barter any used asset during the period 10/1/93 - 9/30/94?</th>
<th>How many of this used asset did you purchase/barter into your possession?</th>
<th>What was the value of these used assets purchased/bartered into your possession (include value of items bartered for)? in cash (Kwacha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Cultivator</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td></td>
</tr>
<tr>
<td>2 Planter</td>
<td>2 No</td>
<td>1</td>
<td>2 No</td>
<td>1</td>
<td>2 No</td>
<td>2</td>
<td>2 No</td>
<td></td>
</tr>
<tr>
<td>3 Ridger-Plough</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td></td>
</tr>
<tr>
<td>4 Ox-cart</td>
<td>2 No</td>
<td>1</td>
<td>2 No</td>
<td>1</td>
<td>2 No</td>
<td>2</td>
<td>2 No</td>
<td></td>
</tr>
<tr>
<td>5 Sledge</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td></td>
</tr>
<tr>
<td>7 Other</td>
<td>2 No</td>
<td>1</td>
<td>2 No</td>
<td>1</td>
<td>2 No</td>
<td>2</td>
<td>2 No</td>
<td></td>
</tr>
<tr>
<td>21 Draught animal</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td></td>
</tr>
<tr>
<td>22 Animal powered plough</td>
<td>2 No</td>
<td>1</td>
<td>2 No</td>
<td>1</td>
<td>2 No</td>
<td>2</td>
<td>2 No</td>
<td></td>
</tr>
<tr>
<td>23 Animal drawn harrow</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td>1</td>
<td>1 Yes</td>
<td></td>
</tr>
</tbody>
</table>

**File:** assets.sav

**END OF TABLES**