

CENSUS OF AGRICULTURE, ZAMBIA (1991/1992)
STRUCTURAL TYPE AND 1990/91 POST-HARVEST SURVEY
FOR SMALL AND MEDIUM-SIZED HOLDINGS – QUESTIONNAIRE 2A
(Synthetic Questionnaire)

Location of data files: c:\docs\Zambia\PostHarv\9091\data_____

The original survey instrument is partially available. The remaining questions are derived from the variable labels from the data dictionary and later survey instruments. Variable names correspond to later surveys so that will be easier to match up questions across years, if the question was asked in the later surveys.

NOTE: not all questions in the survey are specific to the 90/91 cropping season. Some ask about information starting 1st October 1991.

Files created for this questionnaire:

File name	Level of Data	Page
id.sav	household	1
hh.sav	household	2
demog.sav	household, member	7
crops.sav	household, crop	8
fruit.sav	household, crop	9
veg.sav	household, crop	10
livestock.sav	household, animal	11
seedtype.sav	household, crop	12

Corresponding Table	Table Description
n/a	Identifying information for household
n/a	Household level questions
1	Demography questions at member level
2	Crops planted, harvested, marketed
3	Number of tree fruits and area of orchard
4	Sales of vegetables
5	Livestock production and marketing
6	Seed type used for specific crops

SECTION 1 - Table 1 – Demography – household information

SECTION 2 – Particulars of Holding

File: hh.sav

What type of agricultural activities is the household engaged in?

CROP _____ Crop growing? 1 Yes
LIVESTOCK _____ Livestock raising? 1 Yes
POULTRY _____ Poultry raising? 1 Yes
FISHFARM _____ Fish farming? 1 Yes

CROPHH _____ Is this a crop growing household?
 1 Yes 2 No (-> **Go to Section 4**)

TENURE _____ Is this holding leased in, rented in or in owner-like possession or some other type of possession?
 1 Leased in 2 Rented in 3 Owner-like possession 4 Other-specify

CROP912 _____ Have any crops been grown on this holding this 1991/92 season? (include any perennial crops planted in previous seasons)
 1 Yes 2 No (-> **Go to HLAND2C**)

H LAND2c _____ What was the **total area under crops** during the **1990/91** season (hectares)? (Include all fields)

H LAND2d _____ What was **the total area planted** during the **1990/91** agricultural season (hectares)?

H LAND5a _____ How many **parcels** were operated by the members of the household during the 1991/92 agricultural season?

H LAND5b _____ How many **fields** were in the parcels reported to have been operated during the 1991/92 agricultural season?

H LAND5b _____ What was the **total area under crops** during the **1991/92 agricultural season** (hectares)? (Include all fields)

H LAND5c _____ What was the total area planted during the **1991/92 agricultural season** (hectares)?

SECTION 3 – Table 2 – Crop production and sales 1990/91

SECTION 4 – Table 3 – Fruits

SECTION 5 – Table 4 – Vegetables

SECTION 6 – SECTION 7 - Table 5 – Livestock and poultry

SECTION 8 – Fish Farming

HFISH1 _____ Did the household carry out any **fish farming** during the 1990/91 agricultural season?
 1 Yes 2 No (-> **Go to Section 9**)

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

HFISH6 _____ What was the number of fish harvested?

HFISH7 _____ What were the kilograms of fish harvested?

HFISH3a _____ Do you have fish ponds now?

HFISH3 _____ How many ponds **did** you **operate** at the end of the season?

SECTION 9 – Crop Husbandry

ANYCROPS _____ Does the household grow any crops?

1 Yes

2 No (-> **Go to Section 10**)

Do you practice any of the following types of cultivation on your holding?

hcrop2a _____ Chitemene 1 Yes
hcrop2b _____ Shifting 1 Yes
hcrop2c _____ Rotation 1 Yes
hcrop2d _____ Intercropping 1 Yes
hcrop2e _____ (Other) Specify 1 Yes

What type of equipment do you use most for (NOTE: This question was not analyzed by CSO. CSO did not add value labels to identify the equipment.)

hcrop3a _____ Opening up new land?
hcrop3b _____ Ploughing / ridging?
hcrop3c _____ Preparing seed beds?
hcrop3d _____ Planting ?
hcrop3e _____ Weeding?
hcrop3f _____ Crop protection?
hcrop3g _____ Harvesting?

What method do you use most for soil conservation?

hsoil2a _____ Mulching 1 Yes
hsoil2b _____ Contour ridging 1 Yes
hsoil2c _____ Fallowing 1 Yes
hsoil2d _____ Terracing 1 Yes
hsoil2e _____ Bunding 1 Yes
hsoil2f _____ Other-specify 1 Yes

What method of sowing do you usually use?

hcrop4a _____ Hand 1 Yes
hcrop4b _____ Sowing behind plough 1 Yes
hcrop4c _____ Other-specify 1 Yes

Table 6 – Types of Seed used for maize, sorghum, groundnuts, soyabeans, sunflower and seed cotton

HINPUT7 _____ Did you apply any basal dressing fertilizer during the 1990/91 season?
 1 Yes 2 No (-> **Go to HINPUT8**)

HINPUT7a _____ At what stage of crop growth did you apply basal dressing fertilizer?
 1 At planting 2 Soon after germination 3 Long after germination

HINPUT8 _____ Do you usually use compost / animal manure?
 1 Yes 2 No

HCROP5 _____ Did you experience crop disease on your crop during 1990/91 season?
 1 Yes 2 No (-> **Go to HCROP6**)

HINPUT9 _____ Did you apply any chemicals to control crop disease during 1990/91 season?
 1 Yes 2 No (-> **Go to HCROP6**)

Specify type of chemical (NOTE: these variables were not completed and not analyzed. Value labels were not added by CSO).

hinput9a _____
hinput9b _____
hinput9c _____

HCROP6 _____ Did you experience pest damage on your crop during 1990/91 season?
 1 Yes 2 No (-> **Go to SECTION 10**)

HINPUT3 _____ Did you apply any pesticides to control pests on your crop?
 1 Yes 2 No

Specify type of pesticide (NOTE: these variables were not completed and not analyzed. Value labels were not added by CSO).

hinput3a _____
hinput3b _____
hinput3c _____

HEMP6 _____ Did you **make any payments in kind to permanent employees?**
 1 Yes 2 No (-> **Go to HEMP7**)

What was the value of these payments made **in kind**?

HEMP6A _____ in-kind (Kwacha)

HEMP7 _____ Did you **engage any wage/piece workers** during the period October 1, 1991 to date?
 1 Yes 2 No (-> **Go to Section 12**)

HEMP7AA _____ Did you make any cash payments to the wage/piece-rated workers?
 1 Yes 2 No (-> **Go to HEMP8**)

How much did you **pay** to the **wage/piece workers**?

HEMP7A _____ in-cash (Kwacha)

HEMP8 _____ Did you **make any payments in kind to wage/piece workers?**
 1 Yes 2 No (-> **Go to Section 12**)

What was the value of these payments made **in kind**?

HEMP8A _____ in-kind (Kwacha)

SECTION 12 – Extension, Research and Information Services

HEXT1 _____ Did you or any member of this household attend any course at a farmers’ training center or at a farm institute or any other agriculture?
 1 Yes 2 No

HEXT2 _____ Is anybody in this household a member of the rapid farm forum?
 1 Yes 2 No

HEXT3 _____ Do you have access to a radio?
 1 Yes 2 No (-> Go to

HEXT4 _____ Do you or any other member of this household listen to any agricultural programme on the radio?
 1 Yes 2 No (-> Go to

To which program do you listen?

- hext5a** _____ Radio Forum 1 Yes
- hext5b** _____ Rural Notebook 1 Yes
- hext5c** _____ Lima programme (on TV) 1 Yes
- hext5d** _____ Other-specify 1 Yes

HEXT6 _____ Usually how many times do agricultural extension workers visit to advise?
 1 Never
 2 Once a week
 3 Once a month
 4 2-3 times a month
 5 Once in 3 months
 6 Once a year
 8 Not applicable

HEXT7 _____ Usually how many times do veterinary extension workers visit to advise?
 1 Never
 2 Once a week
 3 Once a month
 4 2-3 times a month
 5 Once in 3 months
 6 Once a year
 8 Not applicable

HEXT8 _____ Are you registered with a primary co-operative society?
1 Yes 2 No (**End Interview**)

HEXT9 _____ Why are you not registered?
1 Does not exist
2 Non-beneficial
3 Not aware of it
4 Other-specify

END INTERVIEW

Table 1. Section 1: Household Information

File: demog.sav

Member Serial number	What is the relationship to the head of household? 1 Head 2 Spouse 3 Own son/daughter 4 Step child 5 Other relative	Sex 1 Male 2 Female	Age on last birthday Estimate if unsure	Persons 5 years and above	Complete for persons 12 years and above				
				Highest level of education 1 None 2 Primary 3 Junior secondary 4 senior secondary 5 College 6 University 9 Not stated	What was the main activity? 1 Working 2 Student 3 Unemployed 4 Home duties 5 Retired 6 Other 9 Not stated	What is the main industry working since October 1991		Is person married? 1 Married 2 Separated 3 Divorced 4 Widowed 5 Never married	Persons how have management control in household (Holder) 1 Holder 2 Non holder
mem	rstatus	sex	age	educ	activity	indcat	industry		

Indcat codes:		Industry codes:			
0 Not adequately defined	0 Not adequately defined	371 Iron-steel	719 Other transport	960 International	
1 Agriculture	111 Agriculture	381 Metal-manufacturing	720 Communication	999 Not stated	
2 Mining	121 Forestry	410 Electricity-gas	810 Financial		
3 Manufacturing	130 Fishing	420 Water	820 Insurance		
4 Electricity and Water Services	210 Mining	500 Construction	831 Business-service		
5 Construction	311 Food-beverage-tobacco	610 Wholesale	910 Public administration		
6 Wholesale and Retail	321 Textiles	621 Retail	920 Sanitary		
7 Transport and Communication	331 Wood-manufacture	631 Restaurant-hotel	931 Education-research		
8 Finance and Business Services	341 Paper-print-publishing	711 Land transport	941 Entertainment		
9 Other	351 Chemical manufacturing	712 Water transport	951 Repair service		
10 Not Stated	361 Pottery-glass	713 Air transport	959 Personal service		

Table 3 (1 of 1) -For each tree fruit, ask the following questions:

File: fruit.sav

Fruit crop Enter crop code (See code list)	Number of trees	Total hectares 90/91	Old fruit code
crop	ntrees	lan2a	oldcrop

Crop code list:

- 23 Oranges
- 24 Bananas
- 25 Pineapples
- 31 Other Fruit
- 48 Tangerine-Mandarin

The 1990 data were recoded to match the later crop codes.

Table 6 (1 of 1) – Seed types: What type of seed did you use most during the 1990/91 season?

File: seedtype.sav

Crop 1 Maize 2 Sorghum 5 Sunflowers 6 Groundnuts 7 Soyabeans 8 Seed cotton	What type of seed was used? 1 Improved 2 Recycled 3 Local
crop	seedtype

END OF TABLES