

Strictly Confidential



REPUBLIC OF ZAMBIA

Ministry of Fisheries & Livestock



2023 Livestock Survey Household Questionnaire

IDENTIFICATION PARTICULARS

1.	Cluster					
2.	Province	PROV				
3.	District	DIST				
4.	Constituency	CONST				
5.	Ward	WARD				
6.	Region	REGION 1 = Rural 2 = Urban				
7.	CSA Number	CSA				
8.	SEA Number	SEA				
9.	Village/Locality Name					
10.	Household Serial Number					
11.	Name of Household Head					
12.	Contact Telephone Number (Where available)					
13.	GPS Coordinates	East	South			
14.	Name of Main Respondent					Code
15.	RESPONSE STATUS <i>Moved out of SEA 4=Non-contact 5=Household dissolved</i>	RSTATUS 1= Interview consented 2= Refusal 3=				

16.	ASSIGNMENT RECORD	Day	Month	Year
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a. Name of Enumerator:	ECODE		Date completed			2023
b. Name of Supervisor:	SCODE		Date checked			2023

SECTION 1: DEMOGRAPHIC CHARACTERISTICS OF HOUSEHOLD MEMBERS

Enumerator: Ask for and list the names of all usual household members. Then ask the following questions for each of the members. If this household is part of a polygamous family, ask only about the household members at this particular household. Note: MEM 1 must be head of the household.

Table 1 *Reference Period: Date of interview (Survey Day)* *Demog.sav*

ID	Name (Start with the head of household) Enter Surname first	What is the sex of ...? 1= male 2=female	What is the relationship of ... to the head? (See codes below)	In which year was born?	Enumerator: Ask for all persons born in <u>2011 or before</u> (12 years and above) What is the marital status of? (See codes below)	Enumerator: Ask for all persons born in <u>2018 or before</u> (5 years and above) What is the highest level of educationcompleted? (See codes below)	Enumerator: Ask for all persons born in <u>2018 or before</u> (5 years and above) Did..... participate in any agricultural activities from 1 st May 2022 to 30 th April, 2023? 1= Yes 2=No If No, skip to next MEM	In which agricultural activity did participate in from 1 st May 2022 to 30 th April, 2023? 1= Yes 2 =No					
								Crop/ Forage production	Livestock/poultry Production	Honey production			
MEM	NAME	LSD01	LSD02	LSD03	LSD04	LSD05	LSD06	LSD07	LSD08	LSD09			
1	(HH head)		1										
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
Relationship to head (LSD02)			Marital Status (LSD04)			Education levels (LSD05)							
1 = Head 2 = Spouse 3 = Son/Daughter 4 = Son/Daughter in law 5 = Grandchild 6= Parent 7= Parent in law			8 = Brother/Sister 9 = Brother/Sister in law 10 = Aunt/Uncle 11 = Nephew/Niece 12 = Not related 13 = Other, specify			1 = never married 2 = monogamously married 3 = polygamously married 4 = divorced 5 = widowed 6 = separated 7 = cohabiting			00=None 01=Sub-standard A; Grade 1 01=Sub-standard B; Grade 1 02=Standard 1; Grade 2 03=Standard 2; Grade 3 04=Standard 3; Grade 4 05=Standard 4; Grade 5		06=Standard 5;Grade 6 07=Standard 6; Grade 7 08=Form 1; Grade 8 09=Form 2; Grade 9 10=Form 3; Grade 10 11= Form 4; Grade 11 12= Form 5; Grade12		13= Form 6 Lower 14= Form 6 Upper 15= College Student 16=Undergraduate student 17=Certificate/Diploma 18= Bachelors Degree 19= Masters degree & above

SECTION 2: LIVESTOCK PRODUCTION AND HEALTH

2.1 Did the household raise any Livestock from 1st May 2022 to 30th April, 2023? <i>1= Yes 2=No. If No, skip to section 3</i>	HH01	
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Table 2.1: Livestock Production and Animal Health: Reference period 1st May 2022 to 30th April, 2023

Livestock Raised	Did the Household raisebetween 1 st May 2022 and 30th April, 2023? 1 = Yes 2 = No <i>-->go to next livestock type</i>	What was/is the main purpose of raising? <i>See codes below</i>	What is the 2 nd main purpose of raising? <i>See codes below</i>	How many were raised on 1st May 2022 <i>(Enter "0" if none were raised)</i>	How many were you raising on 30th April, 2023? <i>(Enter "0" if none, and go to LP08)</i>	How many of those in (LP04) ... belonged to members of this household? <i>(Enter "0" if none and skip to LP08)</i>	How many from those in (LP05)belonged to female members of this household? <i>(Enter "0" if none)</i> <i>CAPI LP06 should not be >LP04</i>	Of the total number of in LP04, how many were female? <i>(Enter "0" if none)</i>	How many ... were slaughtered between 1 st May 2022 and 30th April, 2023? <i>(Enter "0" if none)</i>	How many of those slaughtered were sold between 1 st May 2022 and 30th April, 2023? <i>(enter number)</i>	How many Were sold live between 1 st May 2022 and 30th April, 2023. <i>(enter number)</i>	What was the major constraint faced in raising.....? <i>See codes below</i>	Did suffer from any disease between 1 st May 2022 and 30th April, 2023? 1 = Yes 2= No >> skip to Table 2.2	What disease affected most of the between 1 st May 2022 and 30th April, 2023? <i>See codes below</i>
	LP01	LP02A	LP02B	LP03	LP04	LP05	LP06	LP07	LP08A	LP08B	LP09	LP10	LP11	LP12
Cattle														
Cows														
Heifers														
Bulls														
Weaners														
Oxen														
Steers														
Calves														
Goats														

Sheep															
Pigs															
Donkeys															
Rabbits															
Village															
Broilers															
Chickens															
Layers Exotic Chicken															
Ducks															
Turkey															
Guinea fowls															
Pigeons															
Quails															
Dogs															
Cats															
Other specify															

Codes for Table 2.1

Purpose of keeping livestock (LP02A and LP02B)	Livestock Diseases LP12		Constraints (LP10)	
1=Meat (home consumption)	1=Brucellosis	13=Helminthiosis	1=Disease	11=Lack of feed supplements
2=Milk	2=CBPP	14= ASF	2=Inadequate livestock extension services	12=Limited access to water
3=Draught power	3=Lumpy Skin Disease	15=Tick Borne Disease.	3=Inadequate feed (Pasture,/fodder)	13= Lack of access to breeding technology
4=Eggs	4=CCPP (Contagious Caprine PleuroPneumonia)	16=Typanosomiasis	4=Limited access to breeding stock	14 = Lack of equipment for livestock feed processing
5=Rodent control <i>CAP1 should only be on cats</i>	5=ECF	17= Foot Rot	5=Long distance to dipping facilities	15 = OtherSpecify
6=Aesthetic value	6= Rabies	18= Tetanus	6=Lack of credit	
7=Selling/income	7= FMD	19= Mange	7=Lack of market	
8=Manure	8= Anthrax	20=Infectious Coryza	8=Predators	
9=Security	9= Black Quarter (BQ)	21= Canine Distemper	9=Theft	
10=Other...Specify	10= Newcastle disease	22= Other, specify.....	10=Lack of access to vet drugs/vaccines	

	11=Fowl Pox			
	12=Gumboro			

Table 2.2 Livestock Management: Reference period 1st May 2022 to 30th April, 2022

2.2.1	Is any of your livestock holding enclosed by a fence? 1=Yes 2=No	HH02	
2.2.2	Did the household keep livestock production records? 1=Yes 2=No	HH03	
2.2.2.1	Did the household practice supplementary feeding for livestock excluding broilers, layers and quails? 1=Yes 2=No >>> skip to Ques 2.2.2.4	HH03A	
2.2.2.2	What type of feed did the household use? 1=Commercial 2= On farm 3=Other specify	HH03B	
2.2.2.3	What was the major constraint the household faced in feed supplementation? 1=Cost of feed 2=Access to feed 3=Cost of Ingredients 4=Access to Ingredients, 5=Lack of knowledge in feed formulation 6=Other, specify CAPI (Constraints 1, 2, 5 and 6 apply to households using commercial feed)	HH03C	
2.2.2.4	What was the main reason for household not practicing supplementary feeding? 1=Cost of feed 2=Access to feed 3=Cost of Ingredients 4=Access to Ingredients, 5=Lack of knowledge in feed formulation 6=Other, specify CAPI: 2.2.2.4 should only be asked if 2.2.2.1 is 'No'	HH03D	
2.2.2.5	What type of feed did the household use for broilers, layers and quails? 1=Commercial 2= On farm 3=Other specify CAPI: This question should only be asked if household raised broilers, layers and quails in Table 2.1 (LP01)	HH03E	
2.2.2.6	What was the major constraint the household faced in feeding broilers, layers and quails ?1=Cost of feed 2=Access to feed 3=Cost of Ingredients 4=Access to Ingredients, 5=Lack of knowledge in feed formulation 6=Other, specify CAPI (Constraints 1, 2, 5 and 6 apply to households using commercial feed)	HH03F	
2.2.3	Did the household keep financial records? 1=Yes 2=No	HH04	
2.2.4	Did the household keep animal health records? 1=Yes 2=No	HH05	
2.2.5	What was the main source of water for your livestock? (see codes below)	HH06	
2.2.6	What was the distance in kilometers to the nearest water source that you use for your livestock? Enter '0' if less than 1 km	HH07	(km)
2.2.7	Did the household have access to livestock production extension services? 1=Yes, 2=No	HH08	
2.2.8	Did the household have access to animal health extension services? 1=Yes, 2=No	HH09	
2.2.9	Did the household have access to agribusiness extension services? 1=Yes, 2=No	HH10	
2.2.10	What was the distance in kilometers to the nearest physical livestock extension service provider? Enter '0' if less than 1 km. Enter '-9' if the response does not know.	HH11	(km)
2.2.11	What was the main method the household used to control diseases? See codes below	HH12	
2.2.12	What was the main method the household used to control ticks? See codes below	HH13	
2.2.13	Did the household vaccinate any of the livestock against any disease from 1st May 2022 to 30th April 2023 1=Yes 2=No >>> skip to Ques 2.2.15	HH14	
2.2.14	Which of the following diseases did your household vaccinate against from 1st May 2022 to date?3 1=Yes 2=No	Black Quarter (BQ) (Black Leg)	HH14 A
		Haemorrhagic Septiceamia (HS)	HH14 B
		East Coast Fever (ECF)/ Corridor Disease	HH14 C
		Contagious Bovine Pleuro-pneumonia (CBPP)	HH14 D
		Foot and Mouth Disease (FMD)	HH14 E
		Brucellosis	HH14 F
		Lumpy Skin Disease (LSD)	HH14 G
		Newcastle Disease (ND)	HH14 H
		Rabies	HH14 I

		Anthrax	HH14 J	
2..2.15	Did you hire any labour to help you with livestock keeping from 1 st May 2022 to 30 th April 2023. 1=Yes 2=No		HH15	
2.2.16	What was the main type of labour employed for your livestock activities? 1= Paid Labour 2 = Unpaid Labour 3= Other..... Specify		HH16	
2.2.17	What was the total cost of the labour spent for keeping livestock from 1 st May 2022 to 30 th April 2023. <i>Enter 0 if none</i>		HH17	
2.2.18	What is the major constraint faced in raising livestock? <i>Choose only one constraint from the codes below. (See codes in table 2.2 below)</i>		HH18	

Codes for Table 2.2

Source of water (HH 06)	Disease control method (HH12)	Tick control method (HH 13)	Constraints (HH18)
1 = Stream/river	1 = Traditional medicines	1=Dipping	1=Diseases
2 =Spring	2 = Conventional medicines	2=Spraying using spray race	2=Inadequate livestock extension services
3=Lake	3 = Vaccination	3=Pour-on	3=Inadequate Pasture/feed
4 = Water utility company	4 = Destruction/Slaughter	4=Hand dressing (Tick grease)	4=Distance to dip tanks
5 = Swamp/dambo/wetlands	5 = Fencing	5=Traditional	5=Lack of credit
6=Dam/reservoir	6 = Restricted movement	6= Injectables	6=Lack of market
7=Borehole	7 = Do Nothing	7= Spraying using Knapsack	7=Predators
8=Other.....Specify	8 = Other....specify	8= None	8=Theft
		9=Otherspecify	9=Lack of access to vet drugs
			10= Distance to livestock service Centre
			11=Accessibility to water
			12= High cost of utilities (water, electricity)
			13= High Taxes/Licenses Fees
			14= Other specify

Population by Category/ Breed Type

Enumerator: Ask only for those households that raised livestock

Table 2.3: Of the total number of livestock in LP04, what types of breeds were you raising on 30th April 2023?

What Cattle breeds was the household raising on 30th April, 2023? See codes below (Cattle Breeds)	What Pig breeds was the household raising on 30th April, 2023? See codes below (Pig Breeds)	What Goats breeds was the household raising on 30th April, 2023? See codes below (Goat Breeds)	What Sheep breeds was the household raising on 30th April, 2023? See codes below (Sheep Breeds)
LB01	LB02	LB03	LB04

Codes for Table 2.3 Breed Types

LB01 (Cattle Breeds)		LB02 (Pig Breeds)	LB03 (Goat Breeds)	LB04 (Sheep Breeds)
1=Angoni	8=Jersey	1=Exotic (Large White and Landrace)	1=Local goats	1=Fat tailed
2=Tonga	9=Friesian	3=Indigenous	2=Boer	2=Dorper
3=Barotse	10= Dairy crosses	5= Other specify	3=Milk goats	3=Black head Persian
4=Baila	11=Beef and Dairy crosses	6= Don't know	4=Kalahari	4 = Other specify
5=Brahman	12= Other specify		5= Other specify	5 = Don't know
6=Boran	13= Don't Know		6= Don't know	
7= Beef crosses				

TABLE 2.4A. MILK PRODUCTION AND SALES FROM THE BEGINNING OF MAY 2022 TO THE END OF APRIL 2023

2.4.1	Enumerator: if the household raised and/or owned cattle ask the following; Did the household produce any cow milk from the beginning of May 2022 to the end of April 2023?	1=Yes	2=No	go to Table 2.5	HH19	
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Table 2.4.1.1 Cow Milk Production and sales Key Variables: CLUSTER, HH, MEF Reference Period: Beginning of May 2022 to end of April 2023

		For which months was the												In a typical high month, how much did the HH produce/sell/ consume per day? <i>(Enumerator: If no high production, sales or consumption, leave blank.)</i> <i>(liters)</i>	In a typical high month, how many days did you sell sour milk? <i>(enter number)</i>	In a typical moderate.... month, how much did the HH produce/sell/ consume per day? <i>(Enumerator: If no moderate production, sales or consumption, leave blank.)</i>	In a typical moderate month, how many days did you sell sour milk ? <i>(enter number)</i>	In a typical low month, howmuch did the HH produce/sell/ consume per day? <i>(Enumerator: Ifno low production, sales or consumption, leave blank. (liters)</i>	In a typical low month, how many days did you sell sour milk? <i>(enter number)</i>	Who primarily decides how revenue from the sales was or will be used? 1=Male spouse 2= Female Spouse 3= Male child 4= Female child 5= Other Male 6= Other Female 7= Both head and spouse 8= Non household male 9= Non household female
		0= None 1 = Low 2= Moderate 3 = High If production or sales or consumption are constant for all months, probefurther.																		
		2022 May	2022 June	2022 Jul	2022 Aug	2022 Sept	2022 Oct	2022 Nov	2022 Dec	2023 Jan	2023 Feb	2023 Mar	2023 April							
MP		MP01	MP 02	MP 03	MP 04	MP 05	MP 06	MP 07	MP 08	MP 09	MP 10	MP 11	MP 12	MP13	MP13a	MP14	MP14a	MP15	MP15a	MP16
Production of milk (including home consumption)	1																			

...?																			
Sales for cash and barter of fresh milk ...?	2																		
Sales for cash and barter of sour milk ...?	3																		
How many milking cows did you have in each month?																			

TABLE 2.4B MILK PRODUCTION AND SALES FROM THE BEGINNING OF MAY 2022 TO THE END OF APRIL 2023 CONTINUED....

Livestock Type	Who in your household mainly milked the..... From 1st May 2022 to 30th April, 2023 1=Male spouse 7= Both head and spouse 2= Female Spouse 8= Non household male 3= Male child 9= Non household female 4= Female child 5= Other Male 6= Other Female	Where did the household mainly sell the milk? 1=At the homestead 2=Milk collection centre 3=Within the community 4=Outside the community	Who determines the price of sale {this question should be repeated for all other products} 1=buyer 2=seller 3=other
	MP17	MP18	MP19
COWS			

TABLE 2.5 EGG PRODUCTION AND SALES: Reference period 1st May 2022 to 30th April, 2023

Poultry Raised	Has any of the raised by the household produced eggs from 1st May 2022 to 30th April, 2023? 1 = Yes 2=No <i>IF No = Go to next Poultry Raised</i>	What was the main purpose of producing the eggs? 1=Hatching/Breeding 2= Consumption 3= Sale	How many clutches did one have on average from 1 st May 2022 to 30 th April 2023? <i>Enter the number</i>	How many eggs per clutch did one ..lay on average in the last clutching period? <i>Enter the number</i>	How many eggs per were hatched on average in the last Clutch reported in EP04? <i>Enter the number</i>	What is the main method of hatching used in the last clutch reported in EP04? 1=Incubator 2=Natural	Who in the household is mainly in charge of the sale of eggs? 1=Male spouse 2= Female Spouse 3= Male child 4= Female child 5= Other Male 6= Other Female 7= Both head and spouse 8= Non household male 9= Non household female
	EP01	EP02	EP03	EP04	EP05	EP06	EP07
Village Chickens							
Chickens Layers							

Exotic Chickens							
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Table 2.6 Animal Draught Power Reference period 1st May 2022 to 30th April, 2023

Livestock Raised	Has this household used any of its..... for draught power (e.g. ploughing, transport) from 1st May 2022 to 30th April, 2023? 1 = Yes 2 = No IF “No” Skip to the next Livestock Type	What has been the main use of the draught power from 1st May 2022 to 30th April, 2023? 1= transport 2= crop agriculture (ploughing, planting,weeding, threshing, milling) 3 = Both 4. Other (specify)	Has this household hired out any of to provide ploughing and/or transport services to other households? 1 = Yes 2 = No
	APM01	APM02	APM03
Cattle			
Donkeys			

Table 2.7. Livestock Reproduction: Reference period 1st May 2022 to 30th April, 2023

Livestock raised	Has this household practiced any method of controlled mating (such as selection of reproductive livestock, artificial insemination, etc.) for from 1st May 2022 to 30 th April 2023? 1= Yes 2= No >>> go to next Livestock type	What has been the main method of controlled mating used by this household for from 1st May 2022 to 30 th April 2023, 2022? 1=Natural 2=Artificial insemination 3=Both	What was the main source of the semen? 1= Government 2= NGOs 3=Private	How many breeding animals did you raise from 1 st May 2022 to 30 th April 2023 <i>(Enter number)</i>
	LR01	LR02	LR03	LR04
Cattle				
Goats				
Sheep				
Pigs				

SECTION 3: HONEY PRODUCTION

Reference period: 1st May 2022 to 30th April, 2023

3.1 Was this household involved in honey production from 1 st May 2022 to 30 th April, 2023? 1=Yes 2=No. If No, go to section 4	HH20
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Table 3 Honey Production (Own Production)

3.2	How much comb honey has the household harvested from 1 st May 2022 to 30 th April, 2023? 1=20lt tin 2=5lt gallon 3=MEDA 4=kilogram 5= litre 6=Drum	Quantity	HH21A
		Unit	HH21B
3.3	Did the household sell any comb honey? 1=Yes 2=No, If No, Skip to 3.6		HH22
3.4	How much comb honey did the household sell? <i>CAPI 3.4 =< 3.2</i> 1=20lt tin 2=5lt gallon 3=MEDA 4=kilogram 5= litre 6=Drum	Quantity	HH23A
		Unit	HH23B
3.5	To whom did you mainly sell your comb honey? 1=Honey processors, 2= Buyer within province, 3=Buyer outside province,		HH24
3.6	Did you experience any constraints in honey production from 1 st May 2022 to 30 th April 2023? 1=Yes 2=No. , If No, If No, end the interview		HH25
3.7	What three (3) major constraints does the household experience in honey production? Starting with the most severe, <i>See codes below</i>	MOST SEVERE	HH26A
		SECOND SEVERE	HH27B
		LEAST SEVERE	HH28C

(Instruction to CAPI, If HH25B = 10, block HH25C)

Start with the most severe constraint

HONEY PRODUCTION CONSTRAINTS		
1. Pests	6. Low Colonization	10. Bee Diseases
2. Inadequate management skills	7. Lack of equipment & tools	11. Bush fire
3. Lack of market linkages	8. Inadequate Extension services	12. None
4. Agricultural Spraying	9. Deforestation	13. Other (specify)
5. lack of finance		

SECTION 4: FORAGE PRODUCTION

Table 4: Forage Production Reference period 1st May 2022 to 30th April, 2023

4.1. Did any member of the household grow any forage crops between 1 st May 2022 and 30 th April 2023? Yes/No (If No, end interview.)					
4.2. What forage types did you grow? <i>See codes below</i>					
4.3. What was the size of the land used for growing forages? <i>1=lima 2=acre 3=hectare 4=square metre</i>	<table border="1"> <tr> <td>Quantity</td> <td></td> </tr> <tr> <td>Unit</td> <td></td> </tr> </table>	Quantity		Unit	
Quantity					
Unit					
4.4. How did you use (utilize) the forage types cultivated for livestock feeding? <i>See codes below</i>					

Forage crops (Question 4.2)	Forage utilization (Question 4.4)
1= Sunnhemp 2= velvet beans, 3=Cowpeas, 4= Stylosanthes 5=Leucaena 5=panicum maximum, 6= Bracharia 7= Napier 8=Rhodes Grass 9=Forage sorghum, 10=Dolichos Lablab, 11=Pigeon peas 12=Others..specify..... (Tick all that apply)	1= Silage 2=Hay 3=both silage & hay 4= cut & carry 5= grazing 6= sell 7= Others specify.....

Thank you very much for participating in this interview. We appreciate your time and effort