



NATIONAL INSTITUTE OF STATISTICS OF RWANDA

MINISTRY OF AGRICULTURE AND ANIMAL RESOURCES

AGRICULTURAL HOUSEHOLD SURVEY(AHS) B 2024

-INTERVIEW QUESTIONNAIRE-

CUSTER ID: |__|__|__|__|

SECTION 0. GENERAL INFORMATION

SECTION 0. GENERAL INFORMATION	
0.1 Province: 1=Kigali, 2=South, 3=West, 4=North, 5=East	Write the convenient name & code of the province in which the Enumeration area is located / ____
0.2 District: 11=Nyarugenge, 12=Gasabo; 13=Kicukiro; 21=Nyanza; 22=Gisagara; 23=Nyaruguru ; 24= Huye; 25= Nyamagabe; 26= Ruhango; 27= Muhanga; 28= Kamonyi ; 31= Karongi; 32= Rutsiro ; 33= Rubavu; 34= Nyabihu; 35= Ngororero; 36= Rusizi; 37= Nyamasheke; 41= Rulindo 42= Gakenke; 43= Musanze; 44= Burera 45= Gicumbi , 51=Rwamagana; 52= Nyagatare; 53= Gatsibo 54= Kayonza 55= Kirehe 56= Ngoma 57= Bugesera	Write the convenient name & code of the district in which the Enumeration Area is located / ____
0.3 Sector	Write the convenient name & code of the sector in which the Enumeration Area is located / ____ / ____
0.4 Cell	Write the convenient name & code of the cell in which the Enumeration Area is located / ____ / ____
0.5 Village	Write the convenient name & code of the village in which the Enumeration Area is located / ____ / ____
0.6 Enumeration area code	Write the convenient code of the Enumeration Area in which the household you are interviewing is located ____ / ____
0.7 Household number	Write the convenient number of the household the interview is going to be done ____ / ____ / ____
0.8 Names of Household Head	Write names of Household Head
0.9 Contact of Household Head	Write names of Household Head ____ / ____ / ____ / ____ / ____ / ____ / ____
0.10 Is the respondent the Household head? 1=Yes, 2=No If 1, skip to 0.14	Write the convenient code ____
0.11. Names of the respondent if not the Household Head	Write the name of the respondent if he/she is not the household head
0.12 Contact of the respondent if not the Household head	Write the Contact of the respondent ____ / ____ / ____ / ____ / ____ / ____ / ____
0.13 Relationship of respondent to the Household head 1= Spouse; 2= Child; 3= brother & sister; 4= Parent. 5= Housekeeper; 6= Manager; 7= Other relationship	Write the convenient code of relationship of respondent to household head / ____
0.14 The main livelihood activity of your household 1. Agriculture 2. No agricultural activities If 2, skip to 0.16	Write the convenient code of the main livelihood activity of your household. ____
0.15 What is the agricultural activity of the Household? 1= Cropping; 2= Livestock; 3= Aquaculture/Pisciculture. 4= Forestry; 5= Apiculture 6= Other agriculture activity, Ask if the Answer on 0.14 is 1	Choose one main agricultural activity of the household ____
0.16 Non_agricultural activities 1=Daily Labour, 2=Fishing 3=Skilled labor; 4=Purchase and Sale of agricultural products; 5=Purchase and sale of livestock; 6=Informal Sale; 7=Handicrafts, 8=Transport, 9=Salaried work; 10 Pension; 11=Own Business/Self Employed, 12=VUP Public Works, 13=VUP Direct Transfers and other Social Transfers, 14=Remittances from friends and relatives, 15=Other(specify)	Choose one main non_agricultural activity of the household ____
0.17 Date of interview:	Write the day/ month and Year of interview. ____ / ____ / ____ / ____ / ____ / ____ Day Month Year
0.18 Enumerator name & code	Write your full names and code as enumerator ____ / ____ / ____
0.19 Team Leader name & code	Write full names and code of your Team Leader... ____ / ____ / ____

SECTION I: HOUSEHOLD MEMBERS CHARACTERISTICS

I.1 Total number of household members | | | |

I.2 Household member code	I.3 Household member names	I.4 What is the sex of household member? 1=Male 2=Female	I.5 What is the age of [the name of household member]? If age is less than 1 year, write 0	I.6 Relationship with Household Head Household head (HH).....01 Spouse of HH.....02 Son or Daughter of HH.....03 Step/adopted or foster child of HH.....04 Parent of HH.....05 Brother or Sister of HH.....06 Grandchild of HH.....07 Parent-in-law of HH08 Brother or Sister-in-law of HH.....09 Nephew/Niece of HH.....10 Other relationship to HH.....11 Waged Domestic worker.....12 No relationship to HH.....13 Unkown relationship with HH.....14
01			
02			
03			
04			
05			

SECTION II: LAND TENURE

2.1 Plot No. <i>Add plot designation in look up</i>	2.2. Plot area (sqm)	2.2.a Plot land use 96=Agricultural 97=Pasture 98= Fallow 99=Building 95=Forest	2.3 Owners/users of this plot, select codes of HH members from household roster) (Multiple choice)	2.4 How did the owners/users get access to this plot? <i>1=Inherited 2=Purchase 3=Gift 4= Rented in (fixed amount) 5= Rented in (sharecropping) 6=Borrowed for free 7=Communal rights/public shared</i> If the answer is 1,2, or 3, skip to 2.7	2.5 How much did you pay in cash for renting this plot this season? Ask if 2.4 is 4	2.6 What is the value of the products you shared as a payment of the rent of this plot this season? (Estimate the value of shared crops into cash) Ask if 2.4 is 5	2.7 Is this plot belong in household parcels that have a land title? <i>1=Yes; 2= No, 3=Don't know</i> Ask if the answer on 2.4 is 1,2,3	2.8 Household members with the right to sell/use the land as a guarantee for a loan. select codes of HH members from household roster (Multiple choices are allowed) Ask if the answer on 2.4 is 1,2,3.	2.9 Household members with the right to bequeath the land. select codes of HH members from household roster (Multiple choices are allowed) Ask if the answer on 2.4 is 1,2,3.

SECTION III: CROP GROWN, SEEDS AND PRODUCTION

3.1 Crop grown.

2.1 Plot No. <i>Add plot designation in look up</i>	2.2 Plot area (m ²)	Crops planted in the plot					
		3.3 Number of crops to be surveyed on during this season in the plot. NB : -In case of banana plantation, specify banana varieties. -In case of seasonal/annual crops, skip to Q 3.5	3.4 Crop name (3)	3.4.1a Crop proportion (in %)	3.4.1b Crop density (in %)	3.5 Number of plants in this plot (for perennial crops)	3.6 Number of plants to be harvested in this season (for perennial crops)
			Crop 1				
			Crop 2				
			Crop 3				
			Crop.....				

3.2 SEED SOWN

3.7 Sowing date (4)	3.7a Was this crop planted in this season?	3.7b Will this crop be harvested in this season?	3.8 Expected period for crop harvesting (5)	3.9 Type of seeds sown in this plot: 1=Traditional seeds 2= Improved seeds 3= Both If I skip to 3.11	3.10 Where did improved seeds sown come from? (6) If the answer on 3.8 is 2 then skip to 3.12	Traditional seeds			Improved seeds sown		
						3.11 Quantity of traditional seeds sown in this plot	3.11.1 Unit (7) If "NA", skip to 3.13	3.11.2 Quantity	3.12 Quantity of traditional seeds purchased and sown in the plot	3.13 Amount spent for the purchase of traditional seeds for this plot (Rwf) <i>If only traditional seeds were used, skip to 3.15</i>	3.14 Quantity of improved seeds sown in this plot

3.3. CROP PRODUCTION

3.17 Unit measurement (in used local recipient)	3.18 Quantity already harvested. in this season for this plot		3.19 Remaining quantity to be harvested in this season for this plot.		3.20 Total quantity of harvest for this season in this plot (in Kg)	3.21. Explanation on crop production status (8) (Order the explanations starting by the main that you have been told by operator)	
Unit measurement (in used local recipient) 1=Kg 2=Bowl 3=Stems/leaves 4=Bundle/Bulk 5=Pieces/Numbers 6= Other (specify)	Quantity harvested in local recipient	Estimate of harvested qty in kg	Quantity to be harvested (in local recipient)	Estimates of qty to be harvested in kg		3.21.1 Explanation1	3.21.2 Explanation2

SECTION IV: AGRICULTURAL INPUTS AND PRACTICES

2.1 Plot No. Add plot desig nation in look up	4.1 Have you used organic fertilizer in this plot during this season? 1= Yes 2= No -If No, skip to 4.4	4.2 Where did organic fertilizer used came from? 1= Own preparation (manure, compost, Biogas, etc.) 2=Bought 3=Received for free 4=Other (Specify) NB: Source may be more than one	4.3 Total cost of organic fertilizer purchas ed (Frw) Ask if the answer on 4.2=2	4.4 Have you used inorganic fertilizer in this plot during this season? 1=Yes 2= No <i>If 2, skip to 4.12.</i>	4.5 What is the main source of fertilizer used? (11)	Inorganic fertilizer used						4.12 Have you used pesticide/ Fungicide in this plot during this current season? 1= Yes. 2= No <i>If 2, skip to 4.18</i>	Pesticide/fungicide used				
						4.6 Type of inorg anic fertil izer used (12)	4.7 Meas urem ent unit (13)	4.8 Total quantit y used in this plot	4.9 Quantity purchase d and used in this plot	4.10 Unit price (Rwf)	4.11 Main crops to be fertilized?		4.13 Type of pesticide/fung icide used (14)	4.14 Meas urem ent unit (13)	4.15 Total quantit y used	4.16 Quantity purchase d and used in the plot	4.17 Total amount spent on quantity purchase d (Frw)

SECTION IV: AGRICULTURAL INPUTS AND PRACTICES (Cont'd)

4.18 Have you experienced any of the following soil degradation threats on this plot? (16) Reference period: <i>Last 3 calendar years</i>	4.19 Is there any anti-erosion activity on this plot? 1=Yes 2=No 4.19a Types of anti-erosion activities existing on this plot 1=Ditches, 2=Trees/Windbreak/Shelterbelt, 3=Bench terraces, 4=Progressive terraces, 5=Cover plants/Grasses 6=Water drainage, 7=Mulching 8=Beds/Ridges, 9=Water channel, 10=Other(specify) NB: List 3 main activities	4.20 Were these anti-erosion activities done during the current agricultural season? 1=Yes 2=No If No, skip to 4.22.	4.21 What is the total cost of anti-erosion activities done during this season? (Frw)?	4.22 Has this plot been irrigated during this agricultural season? 1=Yes 2= No, I don't need irrigation 3= No, I can't afford irrigation 4= No, there is no water available If 2,3,4, skip to 4.27.	4.23 What is irrigation technique used on this plot? (18)	4.24 What is the source of water for irrigation? (19)	4.25 What is the cost spent for irrigation tool have you used? (20)	4.26 What is the cost spent for irrigation activities? (Rwf) <i>includes all costs related to irrigation</i>	4.27 Did you use any mechanical equipment for agriculture activities on this plot during this season? 1= Yes 2= No If No skip to 4.30	4.28 Type of mechanical equipment used. 1= Tractor 2= Ploughing animals (oxen) 3=Other mechanical equipment's (Specify)	4.29 Amount paid for use of mechanical equipment on this plot during this season? (Rwf)	4.30 Amount spent on any other agricultural related activities including hired labor used in land preparation, sowing, weeding, applying fertilizers/pesticides, fencing, farm security until harvesting in this season (Rwf)	4.31 Is there any agroforestry practice on this plot? 1=Yes 2=No	4.32 Types of agroforestry trees planted in this plot? 1=Calliandra, 2=Leucaena, 3=Sesbania, 4=Acacia, 5=Erythrina, 6=Casuarina, 7=Maesopsis, 8=Alnus acuminata 9=Grevillea 10=Fruits trees, 11=Markhamia lutea 12=Tephrosia vogelii hook 13=velnonia amygdalina del 14=ikibonobono 15=Others(specify) NB: List 4 main types of agroforestry trees

SECTION V. FRUITS PRODUCTION

5.1 Did your household have fruits trees scattered in any of your plot during this season? 1=Yes, 2=No								
5.2 Fruit name (See fruit tree name below)	5.3 Total Number of Fruit trees owned by your household in this season	5.4 How many fruits trees are expected to be harvested in this season. <i>If 0, skip to next fruit</i>	5.5 What was the total production from harvested fruits? (in kg)	5.6 On the total production of this fruit what is the quantity that has been sold/to be sold? (Kg) <i>is 0, skip to next 6.8</i>	5.7 What was the selling price per kilogram? (Rwf/Kg)			
					5.8 On the total production of this fruit what is the quantity that has been used/ to be used by the household (auto consumption)? (Kg)			
Fruit1	1 1 1 1	1 1 1 1	1 1 1 1 1 1 1 1		1 1			1 1
Fruit2	1 1 1 1	1 1 1 1	1 1 1 1 1 1 1 1		1 1			1 1
Fruit3	1 1 1 1	1 1 1 1	1 1 1 1 1 1 1 1		1 1			1 1
Fruit4	1 1 1 1	1 1 1 1	1 1 1 1 1 1 1 1		1 1			1 1

401-Tree tomato, 403-Avocado, 405-Palm, 406- Mango, 407- Apple, 408- Papaya, 409- Orange, 410- Lemon, 411- Guava, 412-Olive, 414-Mandaline, 415-Jack fruits, 416-Gooseberry, 417-Strawberry, 418-Sugar apple/Coeur de boeuf/Annona squamosa, 419- Other fruits (specify).

SECTION VI: EXTENSION SERVICES AND AGRICULTURAL PROGRAMMES

6.1. Extension service code and name		6.2 Household members who ever received each extension/advisory service. <i>select codes of HH members from household roster)</i> <i>(Multiple choice)</i>	6.3 Household members who received extension/advisory services in this season. <i>select codes of HH members from household roster)</i> <i>(Multiple choice)</i>	6.4 Source of extension/advisory services? <i>1=Government officials (District, Sector, Cell, village officials) 2=Government extension workers (MINAGRI, NAEB, RAB.) 3= NGO/Companies 4= Farmer Field School facilitator 5=Farmer /Livestock promoters 6=Media (Radio/ TV, Newspaper) 7= Telephone (Message) 8= Meeting/Community work 9=Friend or family 10=School 11=Suppliers 12=Other(specify)</i>
1	Improved cropping practices (spacing, intercropping, crop rotation,,)			1 1 1 1
2	fertilizers application			1 1 1 1
3	Irrigation system			1 1 1 1
4	Post-harvest handling and storage			1 1 1 1
5	Erosion control measures			1 1 1 1
6	Horticulture skills			1 1 1 1
7	Animal health and feeding			1 1 1 1
8	Veterinary services			1 1 1 1
9	Agribusiness skills			1 1 1 1

10	Weather and climate information products/services			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
11	Financially literacy (Credit, Saving.....)			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
12	Integrated pest management			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
13	Nutrition and food security			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
14	Smart Nkunganire program			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
15	Other (specify)			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
16	None NB: if none Skip to Q 6.7			

			Household members belong/ benefited from this program. select codes of HH members from household roster) (Multiple choice)
6.5 Does any household member belong to “Twigire muhinzi/mworozi” group? 1= Yes, 2=No			<input type="checkbox"/>
6.6 Does any household member belong to “Farmer field school”? 1= Yes, 2=No			<input type="checkbox"/>
6.7 Is there any household member who benefited from contract farming in this season? 1= Yes, 2=No			<input type="checkbox"/>
6.8 Is there any household member who took crop insurance in this season? 1= Yes, 2=No			<input type="checkbox"/>
6.9 Is there any household member who took livestock insurance in this season? 1= Yes, 2=No			<input type="checkbox"/>
6.10 Does any member of this household belong to agricultural cooperatives/Association/group? 1= Yes, 2=No if 2, skip to 13.13			<input type="checkbox"/>
6.11 Type of cooperative (Multiple choice), 1=Crop producers cooperative, 2= Livestock producers cooperative, 3= water users cooperative, 4=Apiculture cooperative, 5=Fishery cooperative, 6=Other agricultural related cooperative(specify)			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6.12 What types of services do you get from these cooperative/or associations? 1=Farming advice, 2= They markets our products, 3=Access to farm inputs (fertilizer, seeds, water, etc), 4= Storage facilities 5=Access to loans,6= Share in the profit, 7=None, 8=Other(specify)			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6.13 Do you have a kitchen garden at your home? 1=Yes, 2=No			<input type="checkbox"/>
6.14 Have you received any support/ fund for grant for agricultural purposes in this season? 1=Yes, 2=No If 2, end case			<input type="checkbox"/>
6.15 What types of support/funds received? 1= Money, 2= Agricultural material/tools, 3= post-harvests tools, 4=Other(specify)			<input type="checkbox"/>
6.16 What is the origin of that support? 1= Government; 2=NGOs; 3=Friends and relatives 4=Company/Association; 5= Other(specify)			<input type="checkbox"/> <input type="checkbox"/>

SECTION VI. AGRICULTURAL TOOLS

Small tools	7.1 Code	7.2 Has any member of your household purchased and used this tool during this season? 1=Yes, 2=No <i>If 2 skip to 7.5</i>	7.3 Number of tools purchased and used during this season?	7.4 What was the average unit price for the purchased tools? (Rwf)	7.5 What is the number of the tool that any member of your household has rented in this season? If 0 skip the next tool	7.6 Amount paid for rented small tools	Durable tools	7.7 Code	7.8 Has any member of your household purchased this equipment during this season? 1=Yes, 2=No <i>If 2 skip to 7.11</i>	7.9 What was the number of this equipment purchased by your household in this season?	7.10 What was the unit price for the purchased equipment? (Rwf)	7.11 Number of the equipment that any member of your household has rented in this season? If 0 skip to the next tool	7.12 Amount paid for rented durable tools
Barrel	1						Drying ground	25					
Basket	2						Storage facilities	26					
Bowl	3						Animal shed facilities	27					
Crops Sprayer	4						Wheelbarrow	28					
Fork hoe	5						Motorcycle	29					
Hoe	6						Bike/Igare	30					
Hoe sleeve	7						Bicycle/Ikinyamitende	31					
Jerry-can	8						Vehicle used for agriculture transportation	32					
Machete	9						Ploughing machine	33					
Pick/ Ipiki	10						Sowing machine	34					
Sack	11						Peeling machine	35					
Scale	12						Motor-pump	36					
Saw	13						Spray machine	37					
Secateurs	14						Fertilizer drop machine	38					
Sheeting	15						Thresher machine	39					
Shovel/igitiyo	16						Harvesting machine	40					
Milk can	17						Barn	41					
Milk Jug	18						Other durable tool	42					
Sickle	19												
Spring Hoe	20												
Watering can	21												
Winnower	22												
Bucket	23												
Other small tool	24												

SECTION VIII: SUSTAINABLE AGRICULTURE

8.1 Fertilizers management

8.1 Are you aware of the environmental risks associated with the excessive use or misuse of inorganic fertilizers? 1=Yes 2=No

8.2 Did your household take specific measures to mitigate the environmental risks associated with the use of inorganic fertilizers? 1=Yes 2=No **If the answer is 2 skip to 8.4**

8.3 Among the following specific measures to mitigate the environmental risks associated with the use of inorganic fertilizers, which ones that your household has taken or adopted in this season?

1. Follow protocols as per extension service or retail outlet directions or local regulations, not exceeding recommended doses.
2. Use organic sources of nutrients (including manure or composting residues) alone, or in combination with inorganic fertilizers.
3. Use legumes as a cover crop, or component of a multi/crop or pasture system to reduce fertilizer inputs.
4. Distribute synthetic or mineral fertilizer application over the growing period.
5. Consider soil type and climate in deciding fertilizer application doses and frequencies.
6. Use soil sampling at least every 5 years to perform nutrient budget calculations.
7. Perform site-specific nutrient management or precision farming.
8. Use buffer strips along water courses.
9. Other (Specify)

8.2 Pesticides management

8.4 Are you aware of the environmental and health risks associated with the use of pesticides? 1=Yes 2=No **If the answer is 2 skip to 9.1**

8.5 In this season, which of the following measures did your household adopt to protect people from health-related risks due to pesticides.

1. Adherence to label directions for pesticide use (including use of protection equipment)
2. Maintenance and cleansing of protection equipment after use
3. Safe disposal of waste (cartons, bottles, and bags)
4. Other (Specify)

8.6 To avoid environment-related risk, which of the following measures did your household adopt in relation to pest control this season?

1. Adherence to label directions for pesticide application
2. Adopt any of the Good Agricultural Practices (GAPs): adjust planting time, apply crop spacing, crop rotation, mixed cropping or inter-cropping Application of crop spacing.
3. Perform biological pest control or use bio pesticides.
4. Adopting pasture rotation to suppress livestock pest population.
5. Systematic removal of plant parts attacked by pests.
6. Maintenance and cleansing of spray equipment after use
7. Use one pesticide no more than two times or in mixture in a season to avoid pesticide resistance.
8. Other (Specify)

SECTION IX: LIVESTOCK NUMBERS

9.1 Did your household rear any domestic animals during last 12 months? 1= Yes, 2=No | | **If 2, Skip to 11.3.1** N.B: reference period: September 2023 up to August 2024

9.2 Animal reared in last 6 months	9.3. Number of animals reared in September 2023.	9.4. Number of animals reared now. <i>If 0, skip to next animal</i>	9.5 Number of reared animals by sex and age							
			0-6 months		7-12 months		13-24 months		Above 24 months	
			9.5.1 Male	9.5.2 Female	9.5.3 Male	9.5.4 Female	9.5.5 Male	9.5.6 Female	9.5.7 Male	9.5.8 Female
01	Exotic cattle									
02	Cross cattle									
03	Local cattle									
04	Exotic goats									
05	Cross goats									
06	Local goats									
07	Exotic sheep									
08	Cross sheep									
09	Local sheep									
10	Exotic pig									
11	Cross pig									
12	Local pig									
13	Broiler chicken									
14	Layers chicken									
15	Dual purpose chicken									
16	Local chicken									
17	Duck									
18	Turkey									
19	Exotic rabbits									
20	Cross rabbits									
21	Local rabbits									
22	Guinea pig									

23	Other animal (specify)												
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SECTION X: LIVESTOCK CHANGE IN STOCK IN 12 MONTHS

10.1 Animal species name and code	10.2 How many animals born		10.3 How many animals bought <i>If male=0 and female=0, skip to 10.5</i>		10.4 Amount paid (Frw)	10.5 How many animals received as gift		10.6 How many animals Sold to farmers <i>if male=0 and female=0, skip to 10.8</i>		10.7 Amount received (Frw)	10.8 How many animals Sold to consumers (abbatoirs, hotels, resto,etc.) <i>if male=0 and female=0, skip to 10.10</i>		10.9 Total Amount received (Frw)	10.10 How many animals slaughtered for own consumption		10.11 How many animals given as gift		10.12 How many animals given to others for keeping at a given period		10.13 How many animals' dead		10.14 How many animals stolen	
	10.2.1 Male	10.2.2 Female	10.3.1 Male	10.3.2 Female		10.5.1 Male	10.5.2 Female	10.6.1 Male	10.6.2 Female		10.8.1 Male	10.8.2 Female		10.10.1 Male	10.10.2 Female	10.11.1 Male	10.11.2 Female	10.12.1 Male	10.12.2 Female	10.13.1 Male	10.13.2 Female	10.14.1 Male	10.14.2 Female
01 Exotic cattle																							
02 Cross cattle																							
03 Local cattle																							
04 Exotic goats																							
05 Cross goats																							
06 Local goats																							
07 Exotic sheep																							
08 Cross sheep																							
09 Local sheep																							
10 Exotic pig																							
11 Cross pig																							
12 Local pig																							
13 Broiler chicken																							
14 Layers chicken																							
15 Dual purpose chicken																							
16 Local chicken																							
17 Duck																							
18 Turkey																							

19	Exotic rabbits																		
20	Cross rabbits																		
21	Local rabbits																		
22	Guinea pig																		
23	Other animal (specify)																		

SECTION XI: LIVESTOCK PRODUCTS

11.1 CATTLE MILK PRODUCTION AND USE DURING THE LAST 6 MONTHS

11.1.1 Did your household produce milk during the last 6 months? 1= Yes, 2=No **If 2, Skip to 11.2.1**

11.1.2 Month	11.1.3 Cattle that were lactating in this/that month of	11.1.4 Number of cattle that were lactating in this/that month of	11.1.5 Number of days that cattle were lactating in this/that month of	PRODUCTION		UTILIZATION				
				11.1.6 quantity produced(liter) per day	11.1.7 Quantity consumed (liter)	11.1.8 Quantity sold (liter)	11.1.9 Price per/ liter	11.1.10 Quantity given as gift (liter)	11.1.11 Quantity used in any other way (liter)	
August 2024	Exotic cattle									
	Cross cattle									
	Local cattle									
July 2024	Exotic cattle									
	Cross cattle									
	Local cattle									
June 2024	Exotic cattle									
	Cross cattle									
	Local cattle									
May 2024	Exotic cattle									
	Cross cattle									
	Local cattle									
April 2024	Exotic cattle									
	Cross cattle									
	Local cattle									
March 2024	Exotic cattle									
	Cross cattle									
	Local cattle									
Feb 2024	Exotic cattle									
	Cross cattle									
	Local cattle									
Jan 2024	Exotic cattle									
	Cross cattle									
	Local cattle									
Dec 2023	Exotic cattle									
	Cross cattle									
	Local cattle									
Nov 2023	Exotic cattle									

	Cross cattle								
	Local cattle								
Oct 2023	Exotic cattle								
	Cross cattle								
	Local cattle								
Sept 2023	Exotic cattle								
	Cross cattle								
	Local cattle								

11.2 EGG PRODUCTION IN THE LAST 6 MONTHS

11.2.1 Did your household produce eggs during the last 6 months? 1= Yes, 2=No **If 2, Skip to 11.3.1**

11.2.2 Month	PRODUCTION			UTILIZATION			
	11.2.3 Number of laying hen in the month of	11.2.4 Number of eggs produced in the month of NB: If the number is 0 in this month, skip to the following month	11.2.5 Number of eggs consumed at home in the month of	11.2.6 Number of eggs sold in the month of	11.2.7 Price per egg (price for last sold eggs)	11.2.8 Quantity used in hatching in the month of....	11.2.9 Quantity used in any other way in the month of....
August 2024							
July 2024							
June 2024							
May 2024							
April 2024							
March 2024							
Feb 2024							
Jan 2024							
Dec 2023							
November 2023							
October 2023							
September 2023							

11.3 HONEY PRODUCTION DURING LAST SIX MONTHS

	Bee hives numbers		Production						
11.3.1 Have you done bee keeping in last Six months? 1= Yes, 2=No <i>If 2, skip to 12.1.</i> <i>If 2, and the answer on 9.1 is 2 skip to 13.1</i>	11.3.2 Number of traditional bee hives owned now	11.3.3 Number of modern bee hives owned now	11.3.4 Quantity of honey produced from traditional bee hives during 6 last months(kg)	11.3.5 Quantity of honey produced from modern bee hive during 6 last months (kg)	11.3.6 Quantity consumed by your household during last 6 months (kg)	11.3.7 Quantity sold during last 6 months (kg)	11.3.8 Average selling price per kg (Rwf) (price for last sold honey)	11.3.9 Quantity used in any other way during last 6 months (kg)?	
<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

SECTION XII: Animal inputs expenditures during 6 last months

12.1 Animal species name and code		12.2 Amount spent on rent for land grazing/ kraal/ renting animal shelter	12.3 Amount spent on purchasing fodder crop	12.4 Amount spent on purchasing feeds/water	12.5 Amount spent on purchasing salt and minerals	12.6 Amount spent on purchasing artificial insemination	12.7 Amount spent on purchasing vaccines, dips, sprays and medicine	12.8 Amount spent on paying veterinary services	12.9 Amount spent on setting new fences/sheds or repairs of fencing/ sheds	12.10 Amount spent on farm maintenance activities	12.11 Amount spent on payment of shepherds	12.12 Other expenditures in livestock
01	Exotic cattle											
02	Cross cattle											
03	Local cattle											
04	Exotic goats											
05	Cross goats											
06	Local goats											
07	Exotic sheep											
08	Local sheep											
09	Exotic pig											
10	Cross pig											
11	Local pig											
12	Broiler chicken											
13	Layers chicken											
14	Dual purpose chicken											
15	Local chicken											
16	Duck											
17	Turkey											
18	Cross rabbits											
19	Local rabbits											
20	Guinea pig											
21	Other animal (specify)											

CODE:

(3) **Crop names:** **101**- Maize, **102**- Paddy rice, **103**- Sorghum, **104**- Wheat, **105**- Other cereal(specify), **106**- Bush bean, **107**- Climbing bean, **108**- Pea, **109**- Other pulse (specify), **110**- Irish potato, **111**- Sweet potato, **112**-Taro, **113**-Yams, **114**-Other tubers(specify), **115**- Tomato, **116**-Cabbage, **117**- Cauliflower, **118**- Onion, **119**-Carrot, **120**-Eggplant, **121**-Other seasonal vegetables(specify), **122**- Soybean, **123**- Groundnut, **124**- Sunflower, **125**- Black eggplant, **126**-Sweet pepper, **127**-Amaranth, **128**-Celery ,**129**- Spinach, **130**- Small red bean, **131**- Sugar beet, **132**- Garlic, **133**-African cabbage, **134**- Leek, **135**-French beans, **136**- Letus, **137**- Brocolli, **138**- Millet, **139**- Cucumber, ,**140**- Chia seeds, **141**-Other seasonal Crops (specify).
201- Pyrethrum ,**202**-Pepper, **203**-Pumpkin, **204**-Napia grass, **205**-Sugar cane, **206**-Itabi, **207**- Other annual crops (specify).
300-Banana, **301**- Cooking banana, **302**- Dessert banana, **303**-Banana for beer, **304**-Coffee, **305**-Cassava, **306**-Mulberry, **307**-Jatropha, **308**-Stevia, **309**-Macadamia, **310**-Tea, **311**- Other perennial crop (Specify).
401-Tree tomato,**402**-Pineapple,**403**-Avocado,**404**-Passion fruits,**405**-Palm,**406**- Mango, **407**- Apple, **408**- Papaya, **409**- Orange, **410**- Lemon, **411**- Guava, **412**-Olive ,**413**-Water melon, **414**-Mandaline, **415**-Jack fruits, **416**-Gooseberry, **417**-Strawberry, **418**-Sugar apple/Coeur de boeuf/Annona squamosa, **419**- Other fruits (specify).
501-Napia grass for fodder, **502**-Maize for fodder, **503**- Soybean for fodder, **504**-Leucena, **505**-Desmodium, **506**-Mucuna, **507**-Setaria, **508**-Tripsacum, **509**-Herbaceous **510**- Other fodder crop (specify).

(4) **Sowing dates:** **Season A:** **1**- Before 01/07; **2**-Between 01-15/07; **3**-Between 16-31/07; **4**-Between 01-15/08; **5**-Between 16-31/08;
6- Between 01-15 /09; **7**- Between 16- 30/09; **8**- Between 01-15/10; **9**- Between 16- 31/10; **10**- After 31/10;
11-Other season (for all types of crop)
Season B: **12**-Before 01/01; **13**-Between 01-15/01; **14**-Between 16-31/01; **15**-Between 01-15/02; **16**-Between 16-28/02;
17- Between 01- 15/03; **18**- Between 16 -31/03; **19**- After 31/03; **20**-Other season (for all types of crop)
Season C: **21**- Before 01/05; **22**- Between 01- 31/05; **23**- Between 01- 30/06; **24**- Between 01-31/07; **25**- After 31/07;**26**-Other season

(5) **Expected period of harvesting:**
Season A: **1**-Before 01/12; **2**-Between 01-15/12; **3**-Between 16-31/12; **4**-Between 01-15/01; **5**-Between 16- 31/01; **6**-Between 01-28/02; **7**-After Feb ;
8-Other season (applicable for all types of crops)
Season B: **9**-Before 01/05; **10**-Between 01-15/05; **11**-15-31/05 **12**- Between 01- 15/06; **13**- Between 16 -30/06; **14**- Between 01-15/07; **15**-Between 16-31/07;
16- Between 01-31/08; **17**- After August ; **18**-Other season (applicable for all types of crops)
Season C: **19**- Before 01/08; **20**- Between 01-15/08; **21**- Between 16- 31/08; **22**- Between 01-15/09; **23**- Between 16 -30/09; **24**- After 30/09; **25**-Other season

(6) **Source of improved seeds used:** **1** - Government (MINAGRI/RAB/NAEB); **2** - Recognized seed multipliers; **3**-Agro dealers; **4**-NGOs; **5** -Market.
6-Agriculture cooperative; **7**-other (specify)

(7) **Seeds Units:** **1**- Kg; **2**- g; **3**- Cuttings; **4**- Not applicable (NA)

(8) **Explanation on production status :** **1**- Drought; **2**- Heavy rainfall/Hailstones; **3**- Insufficient rainfall; **4**-insuffiicient/Lack of fertilizers ;
5- Late sowing; **6**- Flood; **7**- Landslide; **8**-Crop destroyed by animals (grazes); **9**- Diseases and pests ;
10- Unfertile soil; **11**- Inappropriate seeds; **12**-Biennial effect (for coffee); **13**- lack of improved seeds
14- Strong winds ;**15**- Perennial crops not yet mature ;**16**- Appropriate use of fertilizers;**17**- Good quality of seeds.
18-Appropriate sowing period; **19**-Best agricultural practices; **20**-Good weather; **21**-Over mixing of crops; **22**-Other reason (specify)

(9) **Market place:** 1-Farm/Home; 2-Market; 3-Cooperative/company/Association; 4-Other selling place

(10) **Types of storage facilities:** 1-Own storage; 2-Public storage ; 3- Storage owned by Cooperatives or private companies
4-Other storage(specify)

(11) **Main source of fertilizers:** 1- Government (MINAGRI/RAB/NAEB); 2- Agro-dealers; 3- NGOs; 4-Market; 5-Agriculture cooperative.
6- other place (Specify)

(12) **Type of inorganic fertilizers:** 1- NPK 17-17-17; 2- NPK 20-10-10; 3- NPK 25-5-5; 4- NPK 22-6-12; 5-Other NPK; 6-Urea;
7- liquid urea (Mbonea Majimaji); 8- DAP; 9- TSP; 10- KCL/MOP; 11-Omax; 12- Winner; 13-Yara Viva;
14-Amidas; 15- Cereal; 16-Boaster; 17-DI Grow; 18-Dyna gro;
19- Other type of fertilizer (specify).

(13) **Fertilizer and Pesticide unit:** 1-Kg; 2-g; 3-L, 4-Cc

(14) **Type of pesticides/fungicides:** 1- Dithane; 2- Ridomil; 3- Dimethoate (DUDU); 4- Cypermethrin; 5-Dursiban; 6-Tilt; 7- Pilkare; 8-Rocket; 9-Beam;
10-Lava; 11-Rodazim; 12-Thiovit; 13-Safari max; 14-Victory; 15-Copper (akaribata); 16-Supra; 17-Alfatox; 18-Daconil;
19-Vendex; 20-Ortivatop; 21-Mastercop; 22-Atoce; 23-Lambdex; 24- Evisect; 25- Prove; 26- Abamectin; 27-Fenvalerate; 28- Copper
oxychloride; 29- Othello; 30- Balcolex; 31- Cabrio; 32- Commando; 33- Confidor; 34- Cypro; 35- Easygrowth
36- Endofil; 37- Indofil M 45; 38- Safari; 39- Jacket; 40- Lambda; 41- Mancozeb; 42-Millmax; 43- Miovit; 44- Octiva;
45- Orius; 46- Ramdan; 47- Profex super; 48- Round all; 49- Safari Zeb; 50- Scower; 51- Sumithio; 52- Vital.
53-other pesticides/fungicides (specify)

(15) **Benefits from land consolidation program:** 1=Seeds, 2=Fertilizer, 3=Access to irrigation facilities, 4=Access to storage facilities, 5=Access to market, 6=Extension
services, 7=No benefit, 8= Other (Specify)

(16) **Threats:** 1- Soil erosion (loss of topsoil through wind or water erosion), 2- Reduction in soil fertility 3- Waterlogging, including by floods 4-Salinization of irrigated land 5-
Landslides 6-Other (specify) 7-None of the above

(18) **Irrigation Techniques:** 1- Surface irrigation; 2-Flood irrigation (especially for rice) ; 3- Drip irrigation ; 4- Sprinkler irrigation ; 5- Pivot irrigation
6-Traditional techniques

(19) **Irrigation water source:** 1=rainwater harvesting; 2=water treatment plant; 3=Underground water; 4=Lake/stream water; 5= Valley dam; 6=Hillside dam; 7=Other

(20) **Irrigation tools:** 1-Irrigation machine; 2-Pump; 3- Tube wells; 4-Water can; 5-Water channels; 6-Jerycan/basin; 7-Other tool(specify)