

QUESTIONNAIRE ID |__||__||__||__||__||__||__||__||__||__||__||__||

REPUBLIC OF RWANDA



**NATIONAL INSTITUTE OF STATISTICS
OF RWANDA**

**MINISTRY OF AGRICULTURE AND ANIMAL
RESOURCES**

AGRICULTURAL HOUSEHOLD SURVEY / 2016-2017

QUESTIONNAIRE

SECTION 0. GENERAL INFORMATION

0.0 <i>Is there any household in the segment</i>	1= Yes, 2=No If 2 on 0.0 skip to the next segment
0.1 Province: 1= Kigali, 2=South, 3=West, 4=North, 5=East /
0.2 District /
0.3 Stratum	
0.4 Segment	
0.5 House number	
0.6 Household number	
0.7 Names of Household Head
0.8 Contact of Household Head	
0.9 Is the respondent the Household head? 1=Yes, 2=No If 1, skip to 0.13	
0.10. Names of the respondent if not the Household Head
0.11 Contact of the respondent if not the Household head	
0.12 Relationship to the Household head: 1= Spouse; 2= Son/daughter; 3= Brother /Sister; 4= Parent; 5=Employee; 6=Other relationship	
0.13 What is the agricultural activity of the Household? 1= Cropping only; 2= Livestock only; 3= Aquaculture only; 4=Forestry only; 5=Nursery only; 6= Apiculture ;7=Both cropping and livestock; 8=Cropping and agriculture activity than livestock ; 9=Livestock and other agriculture activities than cropping; 10=Cropping, livestock and other agriculture activity ; 11=No agricultural activity	
0.14 Is any member of the household belonging to any agricultural cooperative? 1= Yes 2=No If No, skip to 0.16	
0.15 Types of agricultural cooperative? 1= Cropping cooperative/association 2= Livestock cooperative/association 3= Both cropping & Livestock cooperative/association 4=Water user cooperative/association 5=Other type 6= Both cropping and water user association, 7= Cropping, livestock and water user association	
0.16 Total number of household members	
0.17 Date of interview/...../.....
0.18 Enumerator name
0.19 Team Leader name
0.20 Regional supervisor name	
0.21 Control results: 1= No problem; 2= Questionnaire corrected; 3=Questionnaire redone	

SECTION I: HOUSEHOLD MEMBERS CHARACTERISTICS

1.1 Household member number	1.2 Household member names	1.3 What is the member relationship with the household Head? <i>1= Head; 2= Spouse; 3= Child; 4= Relatives; 5= Parent 6= Other relationship</i>	1.4 What is the sex of household member? <i>1=Male; 2=Female</i>	1.5 What is the age of household member? <i>If age > 10 skip to 1.7</i>	1.6 Did this child schooled? <i>1=Yes; 2=No Ask this question to Household members of 10-year-old and below Skip to next household member number</i>	Ask these questions to Household members above 10 year old		
						1.7 What is the highest level of education attained by the household member? <i>1= Primary; 2= Secondary; 3= Tertiary; 4=No education level</i>	1.8 What is the main economic activity of household member? <i>1= Cropping activity; 2= Non farming activity; 3= Cropping and Livestock activity; 4=None of them 5= Livestock activity; 6= Both farming and non-farming activities; If 2 or 4 or 5, skip to next household member number</i>	1.9 Where the farming activity is located? (4) <i>1= In the household farms; 2=Outside the household farm; 3=Both 1&2 If 2, skip to next household member number</i>
01								
02								
03								
04								
05								

Number of days worked on the farm by household members

The time spent by each household member working in the household farms during season A 2017 (days per month)						The time spent by each household member working in the household farms during season B 2017 (days per month)					
1.10 Average number of Hours/day that the household member worked per day in Season A 2017	1.11 Number of days that the household member worked in Sept -16	1.12 Number of days that the household member worked in Oct-16	1.13 Number of days that the household member worked in Nov-16	1.14 Number of days that the household member worked in Dec-16	1.15 Number of days that the household member worked in Jan-17	1.16 Average number of Hours/day that the household member worked per day in Season B 2017	1.17 Number of days that the household member worked in Feb -17	1.18 Number of days that the household member worked in March -17	1.19 Number of days that the household member worked in April -17	1.20 Number of days that the household member worked in May -17	1.21 Number of days that the household member worked in Jun-17

SECTION II: LAND TENURE AND CROPS PLANTED DURING AGRICULTURAL YEAR 2016-2017

Land tenure						Crops grown					
Land tenure and crops grown during Season A 2017											
						2.7 What are major 3 crops did your household grow during Season A 2017			2.8 What are 3 major crops would your household have preferred to grow during Season A 2017		
2.1 Did any member of your household own land used for dwelling during Season A 2017? 1=Yes, 2=No	2.2 Did any member of your household own land used for cropping during Season A 2017? 1=Yes, 2=No	2.3 Did any member of your household own land used for grazing during Season A 2017? 1=Yes, 2=No	2.4 Did any member of your household rented land used for cropping for fixed amount of money during Season A 2017? 1=Yes, 2=No	2.5 Did any member of your household rented land used for cropping and paid rent cost by giving a part of the production during Season A 2017? 1=Yes, 2=No	2.6 Did any member of your household rented land used for cropping, for free during Season A 2017? 1=Yes, 2=No <i>If 2 on 2.2,2.4 ,2.5 and 2.6 skip to2.9</i>	2.7.1 Crop 1 <i>(Select one among crops on this list)</i>	2.7.2 Crop 2 <i>(Select one among crops on this list)</i>	2.7.3 Crop 3 <i>(Select one among crops on this list)</i>	2.8.1 Crop 1 <i>(Select one among crops on this list)</i>	2.8.2 Crop 2 <i>(Select one among crops on this list)</i>	2.8.3 Crop 3 <i>(Select one among crops on this list)</i>
_	_	_	_	_	_	_ _ _ _	_ _ _ _	_ _ _ _	_ _ _ _	_ _ _ _	_ _ _ _
Land tenure and crops grown during Season B 2017											
						2.15 What are major 3 crops did your household grow during Season B 2017			2.16 What are 3 major crops would your household have preferred to plant during Season B 2017		
2.9 Did any member of your household own land used for dwelling during Season B 2017? 1=Yes, 2=No	2.10 Did any member of your household own land used for cropping during Season B 2017? 1=Yes, 2=No	2.11 Did any member of your household own land used for grazing during Season B 2017? 1=Yes, 2=No	2.12 Did any member of your household rented land used for cropping for fixed amount of money during Season B 2017? 1=Yes, 2=No	2.13 Did any member of your household rented land used for cropping and paid rent cost by giving a part of the production during Season B 2017? 1=Yes, 2=No	2.14 Did any member of your household rented land used for cropping for free during Season B 2017? 1=Yes, 2=No <i>If 2 on 2.10,2.12 ,2.13 and 2.14 skip to 3.1</i>	2.15.1 Crop 1 <i>(Select one among crops on this list)</i>	2.15.2 Crop 2 <i>(Select one among crops on this list)</i>	2.15.3 Crop 3 <i>(Select one among crops on this list)</i>	2.16.1 Crop 1 <i>(Select one among crops on this list)</i>	2.16.2 Crop 2 <i>(Select one among crops on this list)</i>	2.16.3 Crop 3 <i>(Select one among crops on this list)</i>
_	_	_	_	_	_	_ _ _ _	_ _ _ _	_ _ _ _	_ _ _ _	_ _ _ _	_ _ _ _

SECTION III: EXTENSION SERVICES AND AGRICULTURAL PROGRAMMES IN 2016-2017 AGRICULTURAL YEAR

3.1 Has any member of this household benefited from any extension service during this agricultural year 2016-2017? <i>Yes=1, No=2 If 2, skip to 3.5</i>	3.2 What type of extension service provided? <i>1=Cropping 2=Livestock 3= Both If 2, skip to 3.4.1</i>	3.3 Cropping extension services received								3.4 Livestock extension services							
		Type 1		Type 2		Type 3		Type 4		Type 1		Type 2		Type 3		Type 4	
		3.3.1 Cropping service received _type 1 (1)	3.3.2 Who was the Provider of this service (2)	3.3.3 Cropping service received _type 2 (1)	3.3.4 Who was the Provider of this service (2)	3.3.5 Cropping service received _type 3 (1)	3.3.6 Who was the Provider of this service (2)	3.3.7 Cropping service received _type 3 (1)	3.3.8 Who was the Provider of this service (2)	3.4.1 Livestock service received_type 1 (3)	3.4.2 Who was the Provider of this service (2)	3.4.3 Livestock service received_type 2 (3)	3.4.4 Who was the Provider of this service (2)	3.4.5 Livestock service received_type 3 (3)	3.4.6 Who was the Provider of this service (2)	3.4.7 Livestock service received_type 3 (3)	3.4.8 Who was the Provider of this service (2)
_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	

(1) 1=Cropping system; 2= Fertilizers application; 3= Crop protection; 4= Post harvest handling and storage; 5= Mechanization; 6= Plant breeding; 7= Water harvesting techniques; 8= Soil protection; 9= Horticulture skills; 10= Cooperative cropping based trainings; 11= Other cropping related extension service(Specify).

(2) 1=MINAGRI/RAB/NAEB 2=District officer 3=Cell officer 4=Sector Officer 5=Research institutions 6=NGOs 7= Cooperative /company 8=Other service provider

(3) 1= Animal keeping; 2= Animal feeding; 3= Veterinary services; 4= Sanitation; 5= Fodder storage; 6= Bee keeping; 7= Cooperative livestock based trainings; 8= Other livestock related extension service(Specify).

AGRICULTURAL PROGRAMMES

3.5 Does any member of this household belong to at least one of "Twigire muhinzi" group implementation programmes? <i>1= Yes, 2= No</i>	3.6 Has any member of this household benefited from contract farming during 2016-2017 Agricultural year? <i>1= Yes, 2= No</i>	3.7 Has any member of this household reared at least one cow during 2016-2017 Agricultural year? <i>1=Yes, 2=No</i>	3.8 Was there any reared cow received from GIRINKA program in your household during 2016-2017 Agricultural year? <i>1=Yes, 2=No</i>	3.9 Was there any reared cow donated by NGOs in your household during 2016-2017 Agricultural year? <i>1=Yes, 2=No</i>	3.10 Was there any reared cow donated by friends during 2016-2017 Agricultural year? <i>1=Yes, 2=No</i>	3.11 Was there any reared cow bought by any household member during 2016-2017 Agricultural year? <i>1=Yes, 2=No</i>	3.12 Was there any reared cow that was neither bought nor donated but own raised by any household member during 2016-2017 Agricultural year? <i>1=Yes, 2=No</i> Skip to 3.15 if on question 3.8 answer is 2	3.13 If there is a cow received from GIRINKA Program, does any member of this household still has cow provided by GIRINKA Program? <i>1= Yes; 2=No</i> If 1 skip to 3.15	3.14 If "No" why doesn't s/he still have that cow? (1) 1= Died; 2= Stolen; 3= Given to other due to lack of fodder and feeding means; 4=replaced; 5=Other reason	3.15 Did any child of your household benefit one cup of milk program at school last term? <i>1= Yes, 2= No</i>	3.16 Do you have a kitchen garden at your home? <i>1=Yes, 2=No</i>
_	_	_	_	_	_	_	_	_	_	_	_

SECTION IV: FUNDING DURING 2016-2017 AGRICULTURAL YEAR

4.1 Does the member of your household have any account in any financial institution ?	4.2 During agricultural year 2016-2017, did any member of the household request an agricultural loan?	Loan 1			Loan 2			Loan 3			Fund received for agricultural purposes	
		4.3 From which type of financial Institution was the loan 1 requested? <i>1=Commercial Bank; 2=Credit & Saving Cooperative 3=Microfinance; 4= SACCO 5= VUP financial services loan; 6= Ubudehe loan 7= Employer loan; 8=Relative /Friend; 9=Ikimina/Solidarity fund</i>	4.4 Was the requested loan 1 approved? <i>1=Yes from 75% and above; 2=Yes but less than 75%; 3=Rejected if 3, skip to 4.5</i>	4.5 If the agricultural loan 1 was requested but not approved what was the main reason? <i>1= Insufficient income; 2=Insufficient collateral; 3=Problems related to debts history; 4=Unclear purpose of the loan; 5=Other reasons</i>	4.6 From which type of financial Institution was the loan 2 requested? <i>1=Commercial Bank; 2=Credit & Saving Cooperative 3=Microfinance; 4= SACCO 5= VUP financial services loan; 6= Ubudehe loan 7= Employer loan; 8=Relative /Friend; 9=Ikimina/Solidarity fund</i>	4.7 Was the requested loan approved? <i>1=Yes from 75% and above; 2=Yes but less than 75%; 3= Rejected if 3, skip to 4.8</i>	4.8 If the agricultural loan was requested but not approved what was the main reason? <i>1= Insufficient income; 2=Insufficient collateral; 3=Problems related to debts history; 4=Unclear purpose of the loan; 5=Other reasons</i>	4.9 From which type of financial Institution was the loan 2 requested? <i>1=Commercial Bank; 2=Credit & Saving Cooperative 3=Microfinance; 4= SACCO 5= VUP financial services loan; 6= Ubudehe loan 7= Employer loan; 8=Relative /Friend; 9=Ikimina/Solidarity fund</i>	4.10 Was the requested loan approved? <i>1=Yes from 75% and above; 2=Yes but less than 75%; 3= Rejected if 3, skip to 4.11</i>	4.11 If the agricultural loan was requested but not approved what was the main reason? <i>1= Insufficient income; 2=Insufficient collateral; 3=Problems related to debts history; 4=Unclear purpose of the loan; 5=Other reasons</i>	4.12 Have you received any fund for grant for agricultural purpose during 2016-2017	4.13 What is the origin of that grant? <i>categories of funds received for agriculture purposes 1= Government 2=NGOs 3=Friends and relatives 4=Company/Association 4= Other</i>
_	_	_	_	_	_	_	_	_	_	_	_	_

SECTION V: AGRICULTURAL INPUTS DURING 2016-2017 AGRICULTURAL YEAR

V.1 Use of organic fertilizer during 2016-2017 agriculture year

Use of organic fertilizer in Season A 2017									
<p>5.1.1 Did any member of your household use organic fertilizer at least in one of the cultivated plots during agricultural Season A 2017? 1=Yes; 2= No If 2, skip to 5.1.9</p>	<p>5.1.2 Quantity of organic fertilizer used during agricultural Season A 2017 (Kg)</p>	<p>5.1.3 Source of used organic fertilizer during season A 2017 1= Own prepared 2=Bought 3=One part bought and the other own prepared 4=Gift 3=One part bought, the other own prepared and the other was a gift If 1, skip to 5.1.6.1 If 4, skip to 5.1.7</p>	<p>5.1.4 Quantity purchased during agricultural Season A 2017 (Kg) N.B: The quantity purchased should not exceed the quantity used</p>	<p>5.1.5 Amount paid for purchasing the organic fertilizer during agricultural Season A 2017 (RWF) Skip to 5.1.7</p>	<p>5.1.6 Which method has that member of your household used for preparing manure during agricultural Season A 2017? 1=Compost ditch; 2=Ground compost; 3=Manure heap; 4= Prepared in other way Skip to 5.1.8 if 5.1.3 is 1 or 3</p>			<p>5.1.7 Is there any quantity of used organic fertilizer that any member of the household received for free during agricultural Season A 2017? 1=Yes; 2= No</p>	<p>5.1.8 Did any member of your household use lime or gypsum at least in one plot during agricultural Season A 2017? 1=Yes; 2= No</p>
_		_			_	_	_	_	_
Use of organic fertilizer in Season B 2017									
<p>5.1.9 Did any member of your household use organic fertilizer at least in one of the cultivated plots during agricultural Season B 2017? 1=Yes; 2= No If 2, skip to 5.1.18</p>	<p>5.1.10 Quantity of organic fertilizer used during agricultural Season B 2017 (in Kg)</p>	<p>5.1.11 Source of used organic fertilizer during season A 2017 1= Own prepared 2=Bought 3=One part bought and the other own prepared 4=Gift 3=One part bought, the other own prepared and the other was a gift If 1, skip to 5.1.14.1 If 4, skip to 5.1.15</p>	<p>5.1.12 Quantity purchased during agricultural Season B 2017 (in Kg) N.B: The quantity purchased should not exceed the quantity used</p>	<p>5.1.13 Amount paid for purchasing the organic fertilizer during agricultural Season B 2017 (in RWF) Skip to 5.1.15</p>	<p>5.1.14 Which method has that member of your household used for preparing manure during agricultural Season B 2017? 1=Compost ditch; 2=Ground compost; 3=Manure heap; 4= Prepared in other way Skip to 5.1.16 if 5.1.11 is 1 or 3</p>			<p>5.1.15 Is there any quantity of used organic fertilizer that any member of the household received for free during agricultural Season B 2017? 1=Yes; 2= No</p>	<p>5.1.16 Did any member of your household use lime or gypsum at least in one plot during agricultural Season B 2017? 1=Yes; 2= No</p>
_	_				_	_	_	_	_

V.2 Use of inorganic fertilizer during 2016-2017 agriculture year

Use of inorganic fertilizer in Season A 2017																		
5.2.1	5.2.2	5.2.3	5.2.4	5.2.5	5.2.6	5.2.7	5.2.8	5.2.9	5.2.10	5.2.11	5.2.12	5.2.13	5.2.14	5.2.15	5.2.16	5.2.17	5.2.18	5.2.19
Did any member of your household use inorganic fertilizer at least in one of the cultivated plots during agricultural Season A 2017? <i>1=Yes; 2= No If 2, skip to 5.2.19</i>	Inorganic fertilizer used_Type 1 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Quantity of used fertilizer_Type 1 (Kg)	Quantity of purchased fertilizer_Type 1 (Kg)	Price of inorganic fertilizer_Type 1 (RWF/Kg)	Source of inorganic fertilizer_Type 1 (2)	Inorganic fertilizer used_Type 2 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Quantity of used fertilizer_Type 2 (Kg)	Quantity of purchased fertilizer_Type 2 (Kg)	Price of inorganic fertilizer_Type 2 (RWF/Kg)	Source of inorganic fertilizer_Type 2 (2)	Inorganic fertilizer used_Type 3 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Quantity of used fertilizer_Type 3 (Kg)	Quantity of purchased fertilizer_Type 3 (Kg)	Price of inorganic fertilizer_Type 3 (RWF/Kg)	Source of inorganic fertilizer_Type 3 (2)
__	__	__					__	__					__			__		__
Use of inorganic fertilizer in Season B 2017																		
5.2.20	5.2.21	5.2.22	5.2.23	5.2.24	5.2.25	5.2.26	5.2.27	5.2.28	5.2.29	5.2.30	5.2.31	5.2.32	5.2.33	5.2.34	5.2.35	5.2.36	5.2.37	5.2.38
Did any member of your household use inorganic fertilizer at least in one of the cultivated plots during agricultural Season B 2017? <i>1=Yes; 2= No If 2, skip to 5.3.1</i>	Inorganic fertilizer used_Type 1 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Quantity of used fertilizer_Type 1 (Kg)	Quantity of purchased fertilizer_Type 1 (Kg)	Price of inorganic fertilizer_Type 1 (RWF/Kg)	Source of inorganic fertilizer_Type 1 (2)	Inorganic fertilizer used_Type 2 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Quantity of used fertilizer_Type 2 (Kg)	Quantity of purchased fertilizer_Type 2 (Kg)	Price of inorganic fertilizer_Type 2 (RWF/Kg)	Source of inorganic fertilizer_Type 2 (2)	Inorganic fertilizer used_Type 3 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Quantity of used fertilizer_Type 3 (Kg)	Quantity of purchased fertilizer_Type 3 (Kg)	Price of inorganic fertilizer_Type 3 (RWF/Kg)	Source of inorganic fertilizer_Type 3 (2)
__	__	__					__	__					__			__		__
(1) 1= NPK 17-17-17; 2= NPK 20-10-10; 3= NPK 25-5-5; 4= Urea; 5= liquid urea; 6= DAP; 7= TSP; 8= KCL/MOP; 9= Other inorganic fertilizer (2) 1= Government(MINAGRI/RAB/NAEB/District) 2= Market; 3= Government & Market; 4= NGO; 5= Other place																		

V.3 Use of Pesticide during 2016-2017 agriculture year

Use of pesticide during Season A 2017																					
5.3.1	5.3.2	5.3.3	5.3.4	5.3.5	5.3.6	5.3.7	5.3.8	5.3.9	5.3.10	5.3.11	5.3.12	5.3.13	5.3.14	5.3.15	5.3.16	5.3.17	5.3.18	5.3.19	5.3.20	5.3.21	5.3.22
Did any member of your household applied pesticide at least in one of the cultivated plots during agricultural Season A 2017? <i>1=Yes; 2= No If 2, skip to</i>	Pesticide used_Type 1 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Used Quantity of Pesticide used_Type 1 (Kg)	Purchased Quantity (Kg)	Price of purchased Pesticide_Type 1 (RWF/Kg)	Source of used pesticide_Type 1 (2)	What was the purpose of applying pesticide? <i>1= Disease prevention 2= Disease treatment</i>	Pesticide used_Type 2 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Used Quantity of Pesticide used_Type 2 (Kg)	Purchased Quantity (Kg)	Price of Pesticide_Type 1 (RWF/Kg)	Source of used pesticide (2)	What was the purpose of applying pesticide? <i>1= Disease prevention 2= Disease treatment</i>	Pesticide used_Type 3 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Used Quantity of Pesticide used_Type 3 (Kg)	Purchased Quantity of Pesticide used_Type 3 (Kg)	Price of Pesticide_Type 3 (RWF/Kg)	Source of used pesticide (2)	What was the purpose of applying pesticide? <i>1= Disease prevention 2= Disease treatment</i>
___	___	___				___	___	___	___				___	___	___	___				___	___
Use of pesticide during Season B 2017																					
5.3.23	5.3.24	5.3.25	5.3.26	5.3.27	5.3.28	5.3.29	5.3.30	5.3.31	5.3.32	5.3.33	5.3.34	5.3.35	5.3.36	5.3.37	5.3.38	5.3.39	5.3.40	5.3.41	5.3.42	5.3.43	5.3.44
Did any member of your household applied pesticide at least in one of the cultivated plots during agricultural Season A 2017? <i>1=Yes; 2= No If 2, skip to</i>	Pesticide used_Type 1 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Used Quantity of Pesticide used_Type 1 (Kg)	Purchased Quantity (Kg)	Price of purchased Pesticide_Type 1 (RWF/Kg)	Source of used pesticide_Type 1 (2)	What was the purpose of applying pesticide? <i>1= Disease prevention 2= Disease treatment</i>	Pesticide used_Type 2 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Used Quantity of Pesticide used_Type 2 (Kg)	Purchased Quantity (Kg)	Price of Pesticide_Type 1 (RWF/Kg)	Source of used pesticide (2)	What was the purpose of applying pesticide? <i>1= Disease prevention 2= Disease treatment</i>	Pesticide used_Type 3 (1)	Measurement unit <i>1= Kg 2= g 3= l 4= cc</i>	Used Quantity of Pesticide used_Type 3 (Kg)	Purchased Quantity of Pesticide used_Type 3 (Kg)	Price of Pesticide_Type 3 (RWF/Kg)	Source of used pesticide (2)	What was the purpose of applying pesticide? <i>1= Disease prevention 2= Disease treatment</i>
___	___	___				___	___	___	___				___	___	___	___				___	___
<p>(1) 1= Dithane; 2= Ridomil; 3= Dimethoate; 5=Cypermethrin; 5= Dursiban; 6= Tilt; 7= Pilkare; 8= Rocket; 9= Other Pesticide</p> <p>(2) 1= Government(MINAGRI/RAB/NAEB/District); 2= Market; 3= Government & Market; 4= NGO; 5= Other place</p>																					

V.4 Use of seeds during 2016-2017 agriculture year

Seeds used during Season A 2017										
Traditional seeds						Improved seeds				
5.4.1 Crops 1 planted in season A 2017	5.4.2 Type of seeds used <i>1=Traditional 2=Improved 3=Both 1&2</i> If 2 skip to 5.4.6	5.4.3.0 Measurement unit <i>1=Kg 2=g 3=NA</i>	5.4.3 Quantity of traditional seeds sown (Kg)	5.4.4 Quantity of traditional seeds bought (Kg)	5.4.5 Amount spent for the purchase of traditional seeds (RWF)	5.4.6.0 Measurement unit <i>1=Kg 2=g 3=NA</i>	5.4.6 Quantity of improved seeds sown (Kg)	5.4.7 Quantity of improved seeds bought (Kg)	5.4.8 Amount spent for the purchase of improved seeds (RWF)	5.4.9 Source of improved seeds used <i>1= Government (MINAGRI/RAB/NAEB/ District) 2= Market; 3= Government & Market; 4= NGO 5= Other place</i>
Crops 2	_	_				_	_			
Crops 3	_	_				_	_			
Seeds used during Season B 2017										
5.4.10 Crops 1 planted in season B 2017	5.4.11 Type of seeds used <i>1=Traditional 2=Improved 3=Both 1&2</i> If 2 skip to 5.4.15	5.4.12.0 Measurement unit <i>1=Kg 2=g 3=NA</i>	5.4.12 Quantity of traditional seeds sown (Kg)	5.4.13 Quantity of traditional seeds bought (Kg)	5.4.14 Amount spent for the purchase of traditional seeds (RWF)	5.4.15.0 Measurement unit <i>1=Kg 2=g 3=NA</i>	5.4.15 Quantity of improved seeds sown (Kg)	5.4.16 Quantity of improved seeds bought (Kg)	5.4.17 Amount spent for the purchase of improved seeds (RWF)	5.4.18 Source of improved seeds used <i>1= Government (MINAGRI/RAB/NAEB/ District) 2= Market; 3= Government & Market; 4= NGO 5= Other place</i>
Crops 1	_	_				_	_			
Crops 2	_	_				_	_			
Crops 3	_	_				_	_			

SECTION VI: AGRICULTURAL PRACTICES DURING 2016-2017 AGRICULTURAL YEAR

VI.1 Erosion control measures

6.1.1 Did any member of your household practice any type of erosion control measure at least in one of the plots during the 2016-2017 agricultural year? <i>1=Yes, 2=No</i> <i>If 2, skip to 6.1.3</i>	6.1. 2.1 Which soil protection measure have members of your household used during 2016-2017 year? Measure 1	6.1. 2.2 Which soil protection measure have members of your household used during 2016-2017 year? Measure 2	6.1. 2.3 Which soil protection measure have members of your household used during 2016-2017 year? Measure 3	6.1.3 Is soil erosion on any of your household member's land increasing over time? <i>1=Yes, 2=No, 3= I don't know</i>	6.1.4.1 What is the main form of erosion is that member of your household facing? Form 1 (2)	6.1.4.2 What is the main form of erosion is that member of your household facing? Form 2 (2)	6.1.4.3 What is the main form of erosion is that member of your household facing? Form 3 (2)	6.1.5.0 Is there any limitation in applying soil protection? Limitation 1 (3)	6.1.5.1 Which main limitations do members of your household face to apply soil protection on their agricultural land? Limitation 1 (3)	6.1.5.2 Which main limitations do members of your household face to apply soil protection on their agricultural land? Limitation 2 (3)	6.1.5.3 Which main limitations do members of your household face to apply soil protection on their agricultural land? Limitation 3 (3)
_	_	_	_	_	_	_	_	_	_	_	_

(1) 1=Radical terraces; 2=progressive terraces; 3=Trenches (imiringoti); 4=Trees/Wind break/Shelterbelt; 5=Cover plants/grasses; 6=Water drainage; 7=Mulching; 8=Beds/ridges; 9 = Others
(2): 1=loss of top soil; 2=change in soil color; 3=reduction of the yield over time; 4=Other
(3): 1=Lack of finance resources; 2=Lack of family labor assigned to this task; 3=Land tenure insecurity; 4=Lack of knowledge; 5=Other limitations;

VI.2 Irrigation and mechanization

Irrigation practices							Mechanization			
6.2.1 Did any member of your household practice any irrigation technique at least in one of the plots during 2017 agricultural year? <i>1=Yes, 2=No</i> <i>If 2, skip to 6.2.4</i>	6.2.2.1 Which irrigation techniques have members of your household used during 2017 agricultural year? Technique 1 (1)	6.2.2.2 Which irrigation techniques have members of your household used during 2017 agricultural year? Technique 2 (1)	6.2.2.3 Which irrigation techniques have members of your household used during 2017 agricultural year? Technique 3 (1)	6.2.3.1 What was the main source of water used for irrigation? Source 1 (2)	6.2.3.2 What was the main source of water used for irrigation? Source 2 (2)	6.2.3.3 What was the main source of water used for irrigation? Source 3 (2)	6.2.4 Did any member of your household use any mechanical equipment? <i>1=Yes, 2=No; If 2 skip to 7.1</i>	6.2.5.1 Which mechanical equipment were used? Mechanical equipment 1 (3)	6.2.5.2 Which mechanical equipment were used? Mechanical equipment 2 (3)	6.2.5.3 Which mechanical equipment were used? Mechanical equipment 3 (3)
_	_	_	_	_	_	_	_	_	_	_

(1): 1=Surface irrigation; 2=Flood irrigation (for paddy); 3=Drip irrigation; 4=Sprinkler irrigation; 5=Traditional technique
(2): 1=rainwater harvesting; 2=water treatment plant; 3=Underground water; 4=Lake/stream water; 5= Valley dam; 6=Hillside dam; 7=Other
(3): 1=Oxen; 2= Tractor; 3=Other mechanical equipment

SECTION VII: AGRICULTURAL TOOLS DURING 2016-2017 AGRICULTURAL YEAR

Small tools	7.1 Code	7.2 Does any member of your household own this tool for farming activities? 1=Yes, 2=No	7.3 What is the number of this tool owned by the household?	7.4 What was the number of this tool purchased by your household during the agricultural year 2016-2017?	7.5 What was the average unit price for the purchased tool? (RwF)	7.6 What is the number of this tool was rented by your household?	7.7 Amount paid for rented small tools	Durable tools	7.8 Code	7.9 Did any member of your household use this equipment? 1=Yes, 2=No	7.10 What is the number of this tool existing in the farm at the day of the interview?	7.11 What was the number of this tool acquired during the agricultural year 2016-2017?	7.12 What was the unit price for the purchased equipment? (RwF)	7.13 What is the number of this equipment has any member of your household rent?	7.14 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							Motorcycle	28						
Fork hoe	5							Bicycle/Ikinyamitende	29						
Hoe	6							Vehicle used for agriculture transportation	30						
Hoe sleeve	7							Ploughing machine	31						
Jerry-can	8							Sowing machine	32						
Machete	9							Peeling machine	33						
Pick/ Ipiki	10							Motor-pump	34						
Sack	11							Spray machine	35						
Scale	12							Fertilizer drop machine	36						
Saw	13							Thresher machine	37						
Secateurs	14							Harvesting machine	38						
Sheeting	15							Barn	39						
Shovel/igitiyo	16							Other durable tool	40						
Chum	17							Bike							
Milk can	18														
Milk Jug	19														
Sickle	20														
Spring Hoe	21														
Watering can	22														
Wheelbarrow	23														
Winnower	24														
Bucket	25														
Other small tool	26														

SECTION VIII: Use of production, storage facilities and expenses on harvesting and storage during 2016-2017 agricultural years

SEASON A 2017																
Use of production in KG with regard to the total production																
8.1.1. Name of Crop 1	8.1.2 What was the quantity produced? (Kg)	8.1.3 What was the quantity processed at farm level?	8.1.4 What was the quantity sold?	8.1.5 On which market this crop was sold?(1)	8.1.6 What was the selling price per kilogram? (Rwf/Kg)	8.1.7 What was the quantity used for own consumption?	8.1.8 What was the quantity used as wages?	8.1.9 What was the quantity used as farm rent?	8.1.10 What was the quantity used as gift?	8.1.11 What was the quantity exchanged for other goods?	8.1.12 What was the quantity used as seeds?	8.1.13 What was the quantity used to feed animals?	8.1.14 What was the quantity stored?	8.1.15 Storage facility used	8.1.16 What was the quantity lost after harvest?	8.1.17 What was the quantity used in other forms?
				_												
				_												
				_												
8.1.18 Did you apply training skills on post-harvest-handling and storage on this crop? <i>1=Yes, 2=No</i>		8.1.19 Amount paid to labour for harvest and transport of the harvest of this crop during Season A 2017 (RWF)		8.1.120 Amount paid on renting equipment used to harvest this crop during Season A 2017 (RWF)		8.1.21 Amount paid on rehabilitation and maintenance of buildings and other equipment used in harvest during Season A 2017 (RWF)		8.1.22 Amount paid on rehabilitation and maintenance of buildings and other equipment used in storage during Season A 2017 (RWF)			8.1.23 Amount paid for insecticides to keep stored production against pests during Season A 2017 (RWF)		8.1.24 Any other amount paid on harvest and storage activities during Season A 2017 (RWF)			
SEASON B 2017																
8.1.25 Name of Crop 1	8.1.26 What was the quantity produced? (Kg)	8.1.27 What was the quantity processed at farm level?	8.1.28 What was the quantity sold?	8.1.29 On which market this crop was sold? (1)	8.1.30 What was the selling price per kilogram? (Rwf/Kg)	8.1.31 What was the quantity used for own consumption?	8.1.32 What was the quantity used as wages?	8.1.33 What was the quantity used as farm rent?	8.1.34 What was the quantity used as gift?	8.1.35 What was the quantity exchanged for other goods?	8.1.36 What was the quantity used as seeds?	8.1.37 What was the quantity used to feed animals?	8.1.38 What was the quantity stored?	8.1.39 Storage facility used	8.1.40 What was the quantity lost after harvest?	8.1.41 What was the quantity used in other forms?
				_												
				_												
				_												
8.1.42 Did you apply training skills on post-harvest-handling and storage on this crop? <i>1=Yes, 2=No</i>		8.1.42 Amount paid to labour for harvest and transport of the harvest of this crop during Season A 2017 (RWF)		8.1.43 Amount paid on renting equipment used to harvest this crop during Season A 2017 (RWF)		8.1.44 Amount paid on rehabilitation and maintenance of buildings and other equipment used in harvest during Season A 2017 (RWF)		8.1.45 Amount paid on rehabilitation and maintenance of buildings and other equipment used in storage during Season A 2017 (RWF)			8.1.46 Amount paid for insecticides to keep stored production against pests during Season A 2017 (RWF)		8.1.47 Any other amount paid on harvest and storage activities during Season A 2017 (RWF)			

(1):1=Farm-gate; 2=Local market; 3=District market; 4=Regional market; 5=Contract farming; 6=Contract with exporter;7=other market

(2):1=Own storage; 2=Public owned storage; 3=Storage owned by Cooperatives or private companies

SECTION IX: Number of animals

9.1 Name of animal raised	9.2 Did any member of your household rear this animal during 2016-2017 agricultural year? <i>1=Yes; 2=No If 2, skip to next animal</i>	9.3 What is the total number of animal reared now?	9.4 Male		9.5 Female			9.6 How many born animals in last 12 months	9.7 How many bought animals in last 12 months <i>If 0 Skip to 9.9</i>	9.8 Total Amount paid	9.9 Number received as gift in last 12 months	9.10 Number slaughtered for own consumption in last 12 months	9.11 Number of animals sold in last 12 months	9.12 Total Amount received	9.13 Number of animals given away as gift in last 12 months	9.14 Number of animals died for any reasons in last 12 months	9.15 Number of animals lost or stolen in last 12 months	9.16 Number of animals vaccinated in last 12 months	9.17 Number of animals treated for sickness in last 12 months
			9.4.1 Adults	9.4.2 Young	9.5.1 Adults not lactating	9.5.2 Adults Lactating	9.5.3 Young												
Exotic Cattle																			
Hybrid cattle																			
Local cattle																			
Exotic goats																			
Hybrid goats																			
Local goats																			
Exotic sheep																			
Local sheep																			
Exotic pig																			
Local pig																			
Exotic hen																			
Local hen																			
Duck																			
Turkey																			
Rabbits																			
Guinea pig																			

SECTION IX: Number of animals

	9.18.1 Number of animals own consumed per week	9.18.2 Numbe r of weeks animals were consum ed	9.19 Num ber of anim als sold per week	9.20 Sale price per animal	9.21 Number of animals lost per week	9.22 Numbe r of animal s used in other ways not mentio ned	9.23 Number eggs produced per week	9.24 Number eggs consumed per week	9.25 Number eggs sold per week	9.26 Unit price per egg sold	9.27 Number eggs damaged per week	9.28 Number eggs in other ways per week
Exotic Cattle												
Hybrid cattle												
Local cattle												
Exotic goats												
Hybrid goats												
Local goats												
Exotic sheep												
Local sheep												
Exotic pig												
Local pig												
Exotic hen												
Local hen												
Duck												
Turkey												
Rabbits												
Guinea pig												

SECTION X: Animals products and use

X.1 Cattle Milk production in last 12 months

10.1.1 Lactating cow number	10.1.2 Lactating cow race: <i>1=Exotic; 2=Hybrid; 3=Local</i>	10.1.3 Lactation length in days in last 12 months (<i>in days</i>)			10.1.4 Average daily milk production In last 12 months (<i>in L</i>)		10.1.5 Months of calving	10.1.6 Has your cattle had any problem that caused low milk yield during these last 12 months? <i>Yes = 1; No =2 If 2, skip to 10.2.1</i>	10.1.7 What are major problem among the following that caused low milk yield during these last 12 months? <i>1=Lack of fodder; 2=Health problems; 3=Other</i>
		10.1.3.1 High lactation	10.1.3.2 Low lactation	10.1.3.3 Whole lactation	10.1.4.1 High lactation	10.1.4.2 Low lactation			
01									__
02									__
03									__
04									__
05									__

X.2 Cattle milk production use

10.2.1	10.2.2 Average daily quantity consumed	10.2.3 Average daily quantity given to others	10.2.4 Average daily quantity processed in farm/at home	10.2.5 Average daily quantity used in other way	10.2.6 Average daily quantity sold to milk collection site	10.2.7 Price (Rwf/l)	10.2.8 Average daily quantity sold to others	10.2.9 Price (Rwf/l)	10.2.10 Average daily quantity of milk lost
high lactation period									
Low lactation period									

X.3 Honey production during agricultural year 2016-2017

10.3.1 Types of bee hive <i>1=Traditional hives</i> <i>2=Modern hives</i>	10.3.2 Number of bee hives hung during 12 months	10.3.3 Quantity of honey production during 12 months (Kg)	10.3.4 Quantity of produced honey that has been consumed at home during 12 months	10.3.5 Sale in last 12 months-quantity(Kg)	10.3.6 Sale price per kg	10.3.7 Honey stored up to the end of August 2017
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SECTION XI: Animal inputs and services

11.1 Animal category	11.2 Amount spent on rent for land grazing	11.3 Amount spent on purchasing fodder crop	11.4 Amount spent on purchasing feed	11.5 Amount spent on purchasing salt and minerals	11.6 Amount spent on purchasing artificial insemination	11.7 Amount spent on purchasing vaccines, dips, sprays and medicine	11.8 Amount spent on purchasing veterinary services	11.9 Amount spent on purchasing repairs of fencing, sheds	11.10 Amount spent on setting new fences, sheds	11.11 Amount spent on purchasing pesticides used to protect/cure animals from insects, dips, sprays and medicine	11.12 Amount spent on farm maintenance activities	11.13 Amount spent on purchasing payment of shepherds	11.14 Other expenditures
For Cows													
For All other animals													