

English version

PLOT ID | | | | | | | | | | | | | | | |

REPUBLIC OF RWANDA



NATIONAL INSTITUTE OF STATISTICS  
OF RWANDA

MINISTRY OF AGRICULTURE AND  
ANIMAL RESOURCES

**SEASONAL AGRICULTURAL SURVEY (SAS)**

**PLOT QUESTIONNAIRE (2024/2025)  
AGRICULTURAL SEASON: A,B,C 2025**

**Self-introduction: Introduce to the farmer about the survey**

My name is....., I work for the National Institute of Statistics of Rwanda. We are conducting the Upgraded Seasonal Agricultural Survey in which farmers are asked to provide information on the crops grown in 2024/2025 agricultural year. The purpose of this survey is to provide data for estimating crops productivity during this season and monitoring agriculture policy and practices in Rwanda. Individual reports are kept confidential. You are among operators, whose plots/farms have been sampled for this survey. The reason why you are asked to provide information related to this Survey.

**Section I: GENERAL INFORMATION**

| Segment/LSF identification   |   |
|--|---|
| 1.1 Province: 1=Kigali city, 2=South, 3=West, 4=North, 5=East  | Write the convenient name & code of the province the segment/LSF farm is located  |
| 1.2 District : Name & code   | Write the convenient name & code of the district the segment/LSF farm is located (See district codes on the last page)..... / |
| 1.3 Stratum: 10=Agricultural land on hillside<br>20=Agricultural land in marshland; 30=Rangeland; 40=Mixed;<br>90=Large Scale Farmer/LSF | Write the convenient code of the stratum the segment is located   |
| 1.4 Segment/LSF ID :   | Write the convenient code of the segment/LSF: .....   |
| 1.5 Farmer's names / LSF :   | Write the Names of the farmer   |
| 1.6 Farmer ID  | Write the ID of the farmer: .....   |
| 1.7 Farmer/LSF type (1): If the answer is 2 or 4, →Q. 1.10   | Write the farmer/LSF type as mentioned (1) :.....   |
| 1.8 Farmer's gender : 1=Male ; 2=Female  | Write the gender of the farmer :.....   |
| 1.9 Farmer's Age :   | Write the age of the farmer :.....  |
| 1.10 Farmer's address : Sector   | Write the sector name where the farmer lives/stays:.....  |
| 1.11 Farmer's address : Cell   | Write the cell name where the farmer lives/stays:.....  |
| 1.12 Farmer's address : Village  | Write the village name where the farmer lives/stays:.....   |
| 1.13 Farmer's phone No: If the respondent is the farmer himself/herself, answer this question and then, →Q1.17                           | Write the phone number of the farmer :  |
| 1.14 Names of respondent :   | Write the names of respondent if is not the farmer himself / herself : .....  |
| 1.15 Respondent's phone Number   | Write the phone number of the respondent:   |
| 1.16 Relationship of respondent to the farmer (2):   | Write the convenient code for the relationship of respondent to the farmer :  |
| 1.17 Enumerator's names and ID :   | Write your full names & code as enumerator; ...../  |
| 1.18 District Team leader's names and ID:  | Write the full names & code of your Team Leader ...../  |

**SECTION II: MAIN CROP GROWN, SEEDS USED, CROP PRODUCTION, USE OF PRODUCTION AND LOSSES**

• **Main crops grown**

| 2.1 Plot No | 2.2 Plot area (m <sup>2</sup> ) | Crops planted in the plot   |  |   |  |
|-------------|---------------------------------|---|--|---|--|
|             |                                 | 2.3 Number of main crops grown during this agricultural season in the plot. | 2.4 Crop name (3)<br><b>NB:</b><br>-In case of banana plantation, specify banana varieties.<br>-In case of seasonal/annual crops, answer this question and then skip to <b>Q 2.7</b> | 2.5 Number of plants in this plot (for perennial crops) | 2.6 Number of plants to be harvested in this agricultural season (for perennial crops) |
|             |                                 |   | Crop 1   |   |  |
|             |                                 |   | Crop 2   |   |  |
|             |                                 |   | Crop 3   |   |  |
|             |                                 |   | Crop 4   |   |  |
|             |                                 |   | Crop 5   |   |  |
|             |                                 |   | Crop 6   |   |  |
|             |                                 |   | Crop 7   |   |  |

**SECTION II: MAIN CROP GROWN, SEEDS USED, CROP PRODUCTION, USE OF PRODUCTION AND PRODUCTION LOSSES (Cont'd)**

**• Seeds sown**

| 2.7<br>Sowing date<br>(4) | 2.8 What is the expected period for crop harvesting? (5) | 2.9 Did you use improved seed for this crop in any of your plots in this season?<br><br><b>N.B:</b><br>Plots outside segment also included<br><br>1= Yes<br>2= No<br>If No, skip to Q 2.11 | 2.10 Where did improved seeds sown come from? (6)<br><br><b>N.B:</b><br>Plots outside segment also included | 2.11 Type of seeds sown in this plot:<br>1=Traditional seeds<br>2= Improved seeds<br>3= 1&2 | 2.12 Is the seed sown in this plot for the current season?<br><br>1=Yes<br>2=No<br><br>-If no, skip to Q 2.19<br>-If yes, and the answer is 2 on Q2.11, skip to 2.16 | Traditional seeds sown                                   |                 |  |   | Improved seeds sown   |   |                 |   |   |   |
|---------------------------|--|--|---|---|--|--|-----------------|--|---|---|---|-----------------|---|---|---|
|                           |  |  |   |   |  | 2.13 Quantity of traditional seeds sown in this plot     |                 | 2.14 Quantity of traditional seeds purchased and sown in the plot<br><br>NB: If not purchased, put 0 | 2.15a. Amount spent for the purchase of traditional seeds for this plot (Rwf)<br><br><i>If only traditional seeds were used, skip to Q 2.19</i> | 2.15b. what is the monetary value of seeds sown but not purchased t ? (Rwf)<br><br><i>If only traditional seeds were used, skip to 2.19</i> | 2.16 Quantity of improved seeds sown in this plot       |                 | 2.17 Quantity of improved seeds purchased and sown in this plot | 2.18a. Amount spent for the purchase of improved seeds sown in this plot (in Rwf) | 2.18b. what is the monetary value of improved seeds sown but not purchased ?<br><br><i>(Refer to the unit price in the region during that time of sowing)</i> |
|                           |  |  |   |   |  | 2.13.1 Unit of measurement (7)<br>-If "NA", skip to 2.15 | 2.13.2 Quantity |  |   |   | 2.16.1 Unit of measurement (7)<br>If "NA", skip to 2.18 | 2.16.2 Quantity |   |   |   |
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**SECTION II: MAIN CROP GROWN, SEEDS USED, CROP PRODUCTION, USE OF PRODUCTION AND LOSSES (Cont'd)**

• **Crop production**

**Key message of self-introduction for Enumerator to the farmer during crop production interview:**

“.....as you are aware, according to the crop type, the harvest could be either fresh or dry; in addition to that, usually the farmer should forget to count the harvest already used at home as fresh produce or dry, that qty already sold or given to the neighbors and mention only the qty received and recognized by the household members without taking into account the post-harvest losses during various stages of crop production processing , the reason of reminding you those farmers’ steps before starting interview to ensure data quality control”.

| 2.19 Quantity already harvested in this agricultural season (Estimated post-harvest losses included) |  |  | 2.20 Remaining quantity to be harvested (estimated post-harvest losses included) |   | 2.21 Total quantity of harvest for this season (in Kg) | 2.22 Total quantity of harvest for this crop during the current season (Kg)<br><br><b>NB:</b> Even plots outside the segment are now included | 2.23 Could you compare the production of this crop during the current agricultural season and its production in the same last season? (crop performance or productivity in the region)<br><br>1= highly increased<br>2= Increased<br>3= No change<br>4=Decreased<br>5=highly decreased<br>6= It is the first time to grow this crop | 2.24 Explanation on crop production status (8)<br><br><b>(Order the explanations starting by the main that you have been told by operator)</b> |                                 |
|--|--|--|--|---|--|---|---|--|---------------------------------|
| 2.19.1 Local unit of measurement<br>1= Kg<br>2= Stems/leaves<br>3=Bundle/Bulk<br>4=Pieces/Numbers    | 2.19.2 Quantity harvested in local unit of measurement | 2.19.3 Estimate of harvested qty in kg<br><br><b>NB:</b> Answer this question if the answer on Q 2.19.1 is not 1 | 2.20.1 Quantity to be harvested in local unit of measurement                     | 2.20.2 Estimates of qty to be harvested in kg<br><br><b>NB:</b> Answer this question if the answer on Q 2.19.1 is not 1 |  |   |   | 2.24.1 Explanation <sub>1</sub>  | 2.24.2 Explanation <sub>2</sub> |
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**SECTION II: MAIN CROP GROWN, SEEDS USED, CROP PRODUCTION, USE OF PRODUCTION AND LOSSES (Cont'd)**

**• Use of production for the current season**

| 2.25 On the total production of this crop what was the quantity transformed/to be transformed at farm level? (Kg) |                             |                                 | 2.26 On the total production of this crop what is the quantity that has been sold/to be sold? (Kg)<br><br><i>NB: If there is no production sold or to be sold, skip to 2.29</i> | 2.27 On which market this crop was sold? (9) | 2.28 What was the selling price per kilogram? (Rwf/Kg)<br><br><i>(Report farm gate price)</i> | 2.29 On the total production of this crop what is the quantity that has been used/ to be used by the household (auto consumption)? (Kg) | 2.30 On the total production of this crop what is the quantity that has been used/to be used as wage for hired labour? Kg) | 2.31 On the total production of this crop which quantity has been used /to be used as farm rent? (Kg) | 2.32 On the total production of this crop what is the quantity that has been offered/to be offered as a gift? (Kg) | 2.33 On the total production of this crop what is the quantity that has been exchanged/ to be exchanged with other things? (Kg) | 2.34 On the total production of this crop what is the quantity that has been used/to be used as seeds? (Kg) | 2.35 On the total production of this crop what is the quantity that has been used/to be used as fodder? (Kg) | 2.36 On the total production of this crop what is the quantity that has been stored/to be stored (Kg) (If 0kg, skip to 2.39) | 2.37 What is the storage facility used during this agricultural season? (10) | 2.38 On the total production of this crop what is the quantity that has been used /to be used in any other way not mentioned before? (Kg) |
|---|-----------------------------|---------------------------------|---|--|---|---|--|---|--|---|---|--|--|--|---|
| Transformed & used as food  | Transformed & used as drink | Transformed & used in other way |   |  |   |   |  |   |  |   |   |  |  |  |   |
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**SECTION II: MAIN CROP GROWN, SEEDS USED, CROP PRODUCTION, USE OF PRODUCTION AND LOSSES (Cont'd)**

• **Production losses**

| Pre-harvest losses  |  |   |  |  | Post-harvest losses  |  |   |   |   |
|---|--|---|--|--|--|--|---|---|---|
| 2.41 What was the total quantity of crop stolen at farm level? (kg) | 2.42 What was the total quantity of crop damaged by insects or pests at farm level? (kg) | 2.43 What was the total quantity of crop lost due to birds or other animals? (kg) | 2.44 What was the total quantity of crop's stalks fallen to the ground? (kg) | 2.45 What was the total quantity of crop lost during harvesting procedures? (kg) | 2.46 What was the total quantity of crop production lost in the transport of | 2.47 What was the total quantity of crop production lost during storage procedures? (kg) | 2.48 What was the total quantity lost during processing (Shelling/winnowing / threshing/sorting etc.)? (kg) | 2.49 What was the total quantity of harvest lost during packaging? (kg) | 2.50 What was the total quantity of harvest lost at sales? (kg) |
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**SECTION III: INPUTS USED**

• **Use of organic Fertilizer**

| <p><b>2.1</b><br/>Plot<br/>No</p> | <p><b>3.1</b> Did you use organic fertilizer in any of your plots during this agricultural season?<br/><br/><b>N.B:</b> Plots outside segment also included<br/><br/>1= Yes<br/>2= No<br/><br/><i>If answer is 2, skip to 3.7</i></p> | <p><b>3.2a</b> Where did organic fertilizer used came from?<br/><br/>1= Own preparation<br/>2=Bought<br/>3=Received for free<br/>4=Other (Specify)<br/><br/><b>NB:</b> Source may be more than one</p> | <p><b>3.2b</b> Types of organic fertilizer<br/><br/>1=Manure<br/>2=Green manure<br/>3=Compost<br/>4=Biogas<br/>5=Other(specify)</p> | <p><b>3.3</b> Have you used organic fertilizer in this plot during this agricultural season?<br/><br/>1= Yes<br/>2= No<br/><br/><i>-If no, skip to 3.7</i><br/><i>-If yes, and not bought on Q 3.3, skip to 3.4.b</i></p> | <p><b>3.4a</b> Total cost of organic fertilizer purchased and used (Frw)</p> | <p><b>3.4.b</b> <i>If not purchased what is the monetary value of fertilizer used (Frw)?</i></p> | <p><b>3.5</b> Was the quantity of organic fertilizer used sufficient compared to the quantity supposed to be used?<br/><br/>1=Yes<br/>2=No<br/><br/><i>If yes, skip to 3.7</i></p> | <p><b>3.6</b> If the organic fertilizer used was not sufficient, what are the main reasons of not using the quantity supposed to be used?<br/><br/>1= No livestock at home<br/>2=Few livestock at home<br/>3=Not available on market<br/>4=Lack of financial means<br/>5=Lack of transport facilities<br/>6=Other reason (specify)<br/><br/><b>NB:</b> Write the 2 main reasons</p> |
|-----------------------------------|---|--|---|---|--|--|--|---|
|                                   |   |  |   |   |  |  |  |   |

**SECTION III: INPUTS USED (Cont'd)**

**• Use of inorganic fertilizers and pesticides/fungicides**

| 2. Plot No | 3.7 Did you use inorganic fertilizer in any of your plots during this season?<br><br><b>N.B:</b> Plots outside segment also included<br><br>1= Yes<br>2= No<br><br>If 2, skip to 3.16 | 3.8 What is the main source of fertilizer used?<br><br>(11) | 3.9 Have you used inorganic fertilizer in this plot during this season?<br>1=Yes<br>2= No<br><br>If 2, skip to 3.16 | Inorganic fertilizer used                   |                            |                                       |  |  |   | 3.16 Did you use any type of micro-nutrients in any of your plots this season?<br><br><b>N.B:</b> Plots outside segment also included<br><br>1= Yes<br>2= No | 3.17 Did you use any type of micro-nutrients in this plot during this season?<br><br>1= Yes<br>2= No | 3.18 Did you use pesticide/ Fungicide in any of your plots during this season?<br><br><b>N.B:</b> Outside segment included<br>1= Yes<br>2= No<br>If no, skip to 4.1 | 3.19 Have you used pesticide/ Fungicide/herbicides in this plot during this current season?<br><br>1= Yes.<br>2= No<br>If 2, skip to 4.1 | Pesticide/fungicide used                               |                            |                          |  |  |   |  |
|------------|---|---|---|---|----------------------------|---------------------------------------|--|--|---|--|--|---|--|--|----------------------------|--------------------------|--|--|---|--|
|            |   |   |   | 3.10 Type of inorganic fertilizer used (12) | 3.11 Measurement unit (13) | 3.12 Total quantity used in this plot | 3.13 Quantity purchased and used in this plot<br><br>NB: If not purchased, put 0 | 3.14 Unit price (Rwf/kg)<br><br>NB: If not purchased, here we write the market price | 3.15 The main crop on which fertilizer was applied on |  |  |   |  | 3.20 Type of pesticide/fungicide/ herbicides used (14) | 3.21 Measurement unit (13) | 3.22 Total quantity used | 3.23 Quantity purchased and used in the plot | 3.24a Total amount spent on quantity purchased | 3.24b what is the monetary value of quantity used but not purchased?<br><br>(Refer to the unit price on market for that moment) |  |
|            |   |   |   |   |                            |                                       |  |  |   |  |  |   |  |  |                            |                          |  |  |   |  |
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## SECTION IV: AGRICULTURAL PRACTICES

### Soil erosion control measures

| 2.1 Plot No | 4.1 What is the degree of erosion on this plot? (16) | 4.2 Is there any anti-erosion activity in any of your plots?<br><br><b>N.B:</b> Outside segment included<br>1=Yes<br>2=No<br><i>If No, skip to 4.6</i> | 4.3 Is there any anti-erosion activity on this plot?<br><br>1=Yes<br>2=No<br><i>If no, skip to 4.6</i> | 4.4 Were these anti-erosion activities done during the current agricultural season?<br><br>1=Yes<br>2=No<br><i>If no, skip to 4.6</i> | 4.5.a. What is the total cost of anti-erosion activities done during this agricultural season (Frw)?<br><br><b>(Ex: Purchase of agroforestry trees, etc.)</b> | 4.5.b. If there is no cost spent on anti-erosion activities, estimate the monetary values of anti-erosion activities done during this agricultural season | 4.6 Is this plot located in consolidated site in this season?<br><br>1= Yes<br>2= No<br><br><i>If no, skip to 4.8</i> | 4.7 What do you gain as support from land consolidation program? (15) |
|-------------|--|--|--|---|---|---|---|---|
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**SECTION IV: AGRICULTURAL PRACTICES (Cont'd)**

**• Soil preparation and Irrigation**

| 2.<br>I<br>Plot<br>No | 4.8 Did you use any mechanical equipment for agricultural activities in any of your plots during this agricultural season?<br><br><b>N.B:</b><br>Outside segment included<br>1=Yes<br>2=No<br>If No skip to 4.13 | 4.9 Did you use any mechanical equipment for agricultural activities on this plot during this agricultural season?<br>1=Yes<br>2=No<br><br>If No skip to 4.13 | Agriculture mechanization  |   |   |  |   |  |  |  |   | Irrigation   |   |   |   |  |   |
|-----------------------|--|---|--|---|---|--|---|--|--|--|---|--|---|---|---|--|---|
|                       |  |   | 4.10 Use of animals (oxen)   |   |   | 4.11 use of tractor  |   |  | 4.12 Use of other mechanical equipment's   |  |   | 4.13 Did you practice irrigation in any of your plots during this agricultural season?<br><br>1=Yes<br>2=No<br><br>If no, skip to the section V<br><br><b>N.B:</b><br>Outside segment included | 4.14 Has this plot been irrigated during this agricultural season?<br><br>1=Yes<br>2=No<br><br>If no, skip to the section V | 4.15 What is the irrigation technique used on this plot? (18) | 4.16 What is the source of water for irrigation? (19) | 4.17 What is the irrigation tool have you used? (20) | 4.18 What is the cost spent for irrigation activities? (Rwf)<br><br><i>including Water cost fuel/electricity and Renting cost</i> |
|                       |  |   | 4.10.1 Have you used animals (oxen) in this plot during this season?<br>1=Yes<br>2=No<br><br>If no, skip to 4.11 | 4.10.2 At which stage of agricultural practice have you used animal? (17) | 4.10.3 Amount paid on animals during this season<br><br><b>At each stage, refer on Q4.10.2</b><br><br>(Renting of animal, etc.) | 4.11.1 Have you used a tractor in this plot during this season?<br><br>1=Yes<br>2=No<br><br>If 2, skip to 4.12 | 4.11.2 At which stage of agricultural practices have you used tractor? (17) | 4.11.3 Amount paid on tractor (Rwf) in this season?<br><br><b>At each stage, refer Q4.11.2</b><br><br>(renting, fuel, electricity, etc.) | 4.12.1 Have you used any other mechanical equipment not mentioned in this plot during this season?<br><br>1=Yes<br>2=No<br><br>If no, skip to 4.13 | 4.12.2 At which stage of agricultural practices have you used other mechanical equipment? (17) | 4.12.3 Name of other mechanical equipment used during this season |  |   |   |   |  |   |
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## CODES\_1 :

- (1) **Farmer type:** 1- Small scale farmer as individual; 2- Small Scale farmer as Cooperative/Company/Association, 3- Large scale farmer as individual, 4-Large scale farmer as Cooperative/Company/Association
- (2) **Codes for the relationship of respondent to the farmer:** 1= Spouse; 2 =Adopted child 3= Child; 4= Relative; 5= Parent; 6=housekeeper; 7=Manager 8= Other
- (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- Sun flower, 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- Broccoli, 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-Tobacco, 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-Mandarine, 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- Between16- 31/10; 10- After 31/10; 11-Other season (for all types of crops)  
**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- Between16 –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
- (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- 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-Agro-dealers; 3-NGOs; 4 -Market; 5-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-insufficient/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; 13- lack of improved seed; 14- Strong winds ;15- Perennial crops not yet mature ;16-Appropriate use of fertilizers; 17=Good quality of seeds; 18=Appropriate agricultural practices;; 19=Other reason (Specify)
- (9) **Market place:** 1-At Farm /Home; 2-Market; 3-Cooperative/company/Association; 4-Outside the country 5-Another selling place

## CODES<sub>1</sub> (Cont'd)

- (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-Other (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-solid; 7=Urea liquid (mbonea majimaji) ;  
8=DAP; 9= TSP; 10= KCL/MOP; 11=Omax; 12= Winner; 13=Yara Viva; 14=Amidas; 15= Cereal; 16=Boaster; 17=Lime;  
18=Risobium; 19=DI Grow; 20=Dyna gro; 21= Other fertilizer (specify)
- (13) **Fertilizer and Pesticide unit:** 1-Kg; 2-g; 3-L, 4-Cc
- (14) **Type of pesticides/fungicides/herbicides:** 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-Carbendazim/Carbapu supa/Akavuguto; 54- 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) **Degree of erosion:** 1-Severe (Rill erosion, Gully erosion, Mass movement/landslides); 2- Moderate (Diffuse overland flow Erosion, Overland flow erosion, erosion by Infiltration);  
3- Low (Wind erosion), 4-Very Low (Splash erosion)
- (17) **Stages of agriculture practices:** 1-Ploughing; 2- Soil leveling; 3- Raking; 4-Manuring; 5- Sowing; 6- Weeding; 7- Irrigation; 8-Harvesting; 9-Threshing;  
10- Winnowing; 11-Harvest packing; 12- Pesticides Spraying; 13-Other stage of agriculture practice (Specify)
- (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- Water catchment (dam);  
6- Other source (specify).
- (20) **Irrigation tools:** 1-Irrigation machine; 2-Moto pump; 3- Tube wells; 4-Water can; 5-Water channels; 6-Jerycan/basin; 7-Another tool (specify)

**DISTRICTS CODES<sub>2</sub>:**

| Province    | District code | District name | Province | District code | District name | Province | District code | District name |
|-------------|---------------|---------------|----------|---------------|---------------|----------|---------------|---------------|
| Kigali city | 11            | Nyarugenge    | South    | 28            | Kamonyi       | North    | 43            | Musanze       |
| Kigali city | 12            | Gasabo        | West     | 31            | Karongi       | North    | 44            | Burera        |
| Kigali city | 13            | Kicukiro      | West     | 32            | Rutsiro       | North    | 45            | Gicumbi       |
| South       | 21            | Nyanza        | West     | 33            | Rubavu        | East     | 51            | Rwamagana     |
| South       | 22            | Gisagara      | West     | 34            | Nyabihu       | East     | 52            | Nyagatare     |
| South       | 23            | Nyaruguru     | West     | 35            | Ngororero     | East     | 53            | Gatsibo       |
| South       | 24            | Huye          | West     | 36            | Rusizi        | East     | 54            | Kayonza       |
| South       | 25            | Nyamagabe     | West     | 37            | Nyamasheke    | East     | 55            | Kirehe        |
| South       | 26            | Ruhango       | North    | 41            | Rulindo       | East     | 56            | Ngoma         |
| South       | 27            | Muhanga       | North    | 42            | Gakenke       | East     | 57            | Bugesera      |

| <b>List of season C crops</b> |                  |                     |                  |
|-------------------------------|------------------|---------------------|------------------|
| <b>Crop name</b>              | <b>Crop code</b> | <b>Crop name</b>    | <b>Crop code</b> |
| Bush beans                    | 106              | Black eggplant      | 125              |
| Climbing beans                | 107              | Sweet pepper        | 126              |
| Pea                           | 108              | Amaranths           | 127              |
| Other pulses                  | 109              | Celery              | 128              |
| Irish potato                  | 110              | Spinach             | 129              |
| Sweet potato                  | 111              | Small red bean      | 130              |
| Tomato                        | 115              | Suger beet          | 131              |
| Cabbage                       | 116              | Garlic              | 132              |
| Cauliflower                   | 117              | African cabbage     | 133              |
| Onion                         | 118              | Leek                | 134              |
| Carrot                        | 119              | French beans        | 135              |
| Eggplant                      | 120              | Lettuce             | 136              |
| Other seasonal vegetables     | 121              | Broccoli            | 137              |
| Soybeans                      | 122              | Chia seeds          | 140              |
| Pepper                        | 202              | Other seasonal crop | 141              |
| Other cereals                 | 105              | Other tubers        | 114              |
| Pumpkin                       | 203              | Watermelon          | 413              |

**CROP CATEGORIES CODES<sub>3</sub>:**

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