Republic
of Rwanda

NATIONAL INSTITUTE OF
STATISTICS OF RWANDA

SEASONAL AGRICULTURAL SURVEY

Annual Report

2025

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Acronyms and Abbreviations

%: Percentage

Cs Entry: Census and Survey Processing data collection application

CSPro: Census and Survey Processing System

DAP: Diammonium Phosphate

GIS: Geographic Information System

GPS: Global Positioning System

Ha: Hectares

KCL/MOP: Potassium Chloride or Muriate of Potash

Kg: Kilograms

LSF: Large-Scale Farmer

MINAGRI: Ministry of Agriculture and Animal Resources

MFS: Multiple-Frame Sampling

MT: Metric Tones

NAEB: National Agricultural Export Development Board

NGOs: Non- Governmental Organization

NISR: The National Institute of Statistics of Rwanda

NPK: Nitrogen, Phosphorus and Potassium

PSTA: Strategic Plan for Agriculture Transformation

RAB: Rwanda Agriculture and Animal Resources Development Board

SAS: Seasonal Agricultural Survey

Sqm: Square meter

SSF: Small Scale Farmer

STATA: Software for Statistics and data Science

FOREWORD

The National Institute of Statistics of Rwanda (NISR) has been conducting the Seasonal Agricultural Survey (SAS) to provide timely and accurate estimates on crop production, cultivated and harvested areas, crop yields, agricultural inputs, and farming practices. These data are crucial for monitoring the progress of agricultural programs and policies in Rwanda. The survey is carried out in close collaboration with the Ministry of Agriculture and Animal Resources (MINAGRI), and the Rwanda Agriculture and Animal Resources Development Board (RAB).

This report highlights the results of the 2025 Seasonal Agricultural Survey covering all the agricultural seasons. It is a vital tool for tracking the progress of national agricultural programs and policies. By providing essential data, the SAS enables policymakers and stakeholders to identify priority areas for intervention and to address critical agricultural challenges effectively.

NISR values the feedback from all users of this report. In this regard, NISR is committed to continuously enhance the diversity of its analyses and the presentation of results to better support the effective use of these findings. NISR acknowledges all individuals who contributed to this exercise.

In particular, NISR expresses its gratitude to the survey coordinators, supervisors, analysts, team leaders, interviewers, drivers for their indispensable dedication and professionalism which were crucial to the successful completion of this survey. NISR also acknowledges the role of respondents who generously gave their time and information. Their contribution has been a cornerstone for the success of the survey.

NISR further encourages all stakeholders, government agencies, researchers, partners, and the general public to use the findings of this report for evidence-based decision-making and to drive the development of Rwanda's agricultural sector.

MURENZI Ivan

Director General, NISR

EXECUTIVE SUMMARY

This is the annual report for the Seasonal Agricultural Survey (SAS) conducted by the National Institute of Statistics of Rwanda (NISR) for the 2024/2025 agricultural year. It covers Rwanda's three agricultural seasons. The main agricultural seasons include Season A, starting from September 2024 to February 2025, Season B starting from March to June 2025, and Season C starting from July to September 2025.

Key findings

A comprehensive summary of the primary indicators assessed during SAS 2025 is presented in Table 0. These indicators include crop production, yield estimates, land use, use of agricultural inputs and agricultural practices.

Land use

In 2025 agricultural year, the country's total land area was estimated at 2.376 million hectares. In season A, 1.399 million hectares (59%) were used for agricultural purposes, of which 1.019 million hectares were used for Seasonal crops, 0.492 million hectares used for permanent crops, and 0.096 million hectares to permanent pasture. In season B, the total land area remained 2.376 million hectares, with 1.423 million hectares (60%) used for agricultural purposes. 1.022 million hectares were allocated to Seasonal crops, 0.524 million hectares for crops, and 0.1 million hectares were allocated to permanent pasture.

Use of inputs

Agricultural inputs include improved seeds, organic and chemical fertilizers, as well as pesticides and fungicides. In 2025, 37.3 % of farmers used improved seeds during season A, compared to 18% in season B, and 18.9% in season C. The organic fertilizers was used by 88% of farmers in season A, compared to 80.8% in season B, and 83.5 % in season C. In contrast, the inorganic fertilizers was used by 63.2% of farmers in season A, compared to 55.5% in season B, and 65.8 % in season C. Pesticides and fungicides was used by 41.9% of farmers in season A, compared to 36.6% in season B, and 67 % in season C.

Agricultural practices

In season A of 2025, 13.4% of farmers practiced irrigation compared to 11.5% of farmers in season B and 58.9% in season C. In 2025 Season A, 90.3% of farmers practiced anti-erosion activities, compared to 89.9% of farmers in season B and 94.7% of farmers in season C.

Table 0. Summary of Seasonal Agricultural Survey main indicators

SAS main indicators	SAS 2023 Season			SAS 2024 Season			SAS 2025 Season		
	A	B	C	A	B	C	A	B	C
Cultivated area for major crops (Ha)									
Maize	226,982	93,927	-	249,435	92,944		244,095	93,005	
Sorghum	38,979	121,079	-	34,720	120,005		40,353	107,195	
Paddy rice	16,135	16,678	-	17,173	17,994		17,312	17,970	
Wheat	2,975	10,375	-	2,618	10,294		2,391	9,298	
Cassava	239,221	159,089	-	251,019	172,596		247,839	196,881	
Sweet potato	106,670	96,231	4,235	95,683	97,289	4,429	82,458	89,679	4,539
Irish potato	55,613	48,210	10,540	54,048	41,836	8,846	54,485	45,940	10,389
Yams & Taro	21,066	16,015	-	24,766	16,725		23,150	18,573	
Banana	255,290	258,094	-	273,223	258,564		268,552	238,119	
Cooking banana	96,262	87,735	-	102,458	90,123		104,232	85,221	
Dessert banana	37,009	54,000	-	44,094	48,809		40,540	35,832	
Banana for beer	122,019	116,359	-	126,671	119,632		123,780	117,067	
Bean	312,279	309,489	3,476	329,001	329,112	2,892	327,147	335,052	3,136
Pea	10,475	8,383	459	10,245	8,248	527	9,882	8,089	590
Groundnut	11,191	17,745	-	9,563	21,085		10,832	17,804	21
Soybean	29,778	40,235	759	31,515	40,059	576	29,361	38,152	643
Vegetables	16,758	19,164	5,233	19,142	20,161	5,738	20,780	20,699	5,796
Fruits	10,131	10,507	-	10,332	10,463		14,021	11,945	
Harvested area for major crops (Ha)									
Maize	224,976	93,816	-	249,276	92,749		242,439	92,979	
Sorghum	38,935	121,054	-	34,719	120,005		40,298	107,195	
Paddy rice	16,070	16,603	-	16,973	17,578		17,078	17,970	
Wheat	2,891	10,375	-	2,617	10,294		2,384	9,298	
Cassava	45,182	49,655	-	38,833	54,679		40,090	59,053	
Sweet potato	90,657	83,212	4,235	88,708	86,580	4,429	78,583	81,045	4,539
Irish potato	55,583	48,205	10,540	53,957	41,716	8,846	54,465	45,928	10,389
Yams & Taro	13,371	13,621	-	13,482	15,334		12,951	15,839	
Banana	107,411	88,361	-	109,985	92,501		109,994	93,803	
Cooking banana	39,234	28,294	-	40,365	30,323		41,198	30,604	
Dessert banana	15,459	13,068	-	15,503	13,442		15,455	13,746	
Banana for beer	52,718	46,998	-	54,118	48,737		53,341	49,453	
Beans	312,160	309,410	3,476	328,961	328,858	2,892	327,090	334,988	3,136
Pea	10,472	8,383	459	10,244	8,245	527	9,880	8,087	590
Groundnut	11,191	17,745	-	9,563	21,086		10,832	17,803	21
Soybean	29,701	40,231	759	31,513	39,999	576	29,361	38,151	643
Vegetables	16,382	17,854	5,233	18,322	19,842	5,738	19,815	19,674	5,796
Fruits	3,579	4,625	-	5,378	5,346		5,705	5,572	

Table 0. Summary of Seasonal Agricultural Survey main indicators(cont'd)

SAS main indicators	2023 Season			2024 Season			2025 Season		
	A	B	C	A	B	C	A	B	C
Production for major crops (MT)									
Maize	390,879	117,613	-	507,985	119,101		481,246	117,711	
Sorghum	46,296	139,425	-	47,452	140,314		54,994	125,656	
Paddy Rice	63,688	69,940	-	69,098	72,834		69,680	72,976	
Wheat	3,527	13,129	-	3,371	13,045		3,144	11,667	
Cassava	608,693	736,686	-	518,044	783,294		542,874	852,541	
Sweet potato	667,598	620,185	24,595	692,945	666,814	38,293	656,320	652,515	41,289
Irish potato	454,355	326,677	83,981	460,830	285,596	80,929	475,785	314,093	94,892
Yams & Taro	85,259	106,665	-	91,306	112,370		82,307	117,941	
Banana	1,219,408	1,089,377	-	1,294,683	1,142,552		1,278,234	1,166,247	
Cooking banana	555,973	493,865	-	587,981	515,798		590,252	527,109	
Dessert banana	129,371	149,266	-	133,317	152,891		125,014	154,315	
Banana for beer	534,065	446,246	-	573,386	473,863		562,968	484,822	
Beans	197,212	244,194	3,485	233,142	242,239	3,046	230,456	240,721	3,178
Pea	6,834	4,822	461	7,042	4,628	549	5,984	4,586	569
Groundnut	4,687	8,509	-	5,328	9,062		4,678	7,747	9
Soybean	11,771	17,288	563	19,171	17,051	483	15,657	16,388	507
Vegetables	132,699	171,530	73,504	145,933	177,549	65,980	149,806	181,272	67,626
Fruits	22,556	26,084	-	25,250	27,219		28,440	29,798	
Yield for major crops (MT/ha)									
Maize	1.7	1.3	-	2.0	1.3		2.0	1	
Sorghum	1.2	1.2	-	1.4	1.2		1.4	1	
Paddy Rice	4.0	4.2	-	4.1	4.1		4.1	4	
Wheat	1.2	1.3	-	1.3	1.3		1.3	1	
Cassava	13.5	14.8	-	13.3	14.3		13.5	14	
Sweet potato	7.4	7.5	5.8	7.8	7.7	8.6	8.4	8	9.1
Irish potato	8.2	6.8	8.0	8.5	6.8	9.1	8.7	7	9.1
Yams & Taro	6.4	7.8	-	6.8	7.3		6.4	7	
Banana	11.4	12.3	-	11.8	12.4		11.6	12	
Cooking banana	14.2	17.5	-	14.6	17.0		14.3	17	
Dessert banana	8.4	11.4	-	8.6	11.4		8.1	11	
Banana for beer	10.1	9.5	-	10.6	9.7		10.6	10	
Beans	0.6	0.8	1.0	0.7	0.7	1.1	0.7	1	1.0
Pea	0.7	0.6	1.0	0.7	0.6	1.0	0.6	1	1.0
Groundnut	0.4	0.5	-	0.6	0.4		0.4	0	0.4
Soybean	0.4	0.4	0.7	0.6	0.4	0.8	0.5	0	0.8
Vegetables	8.1	9.6	14.0	8.0	8.9	11.5	7.6	9	11.7
Fruits	6.3	5.6	-	4.7	5.1		5.0	5	

Table 0. Summary of Seasonal Agricultural Survey main indicators(contd')

	SAS 2023			SAS 2024			SAS 2025		
	Season			Season			Season		
	A	B	C	A	B	C	A	B	C
Agricultural inputs: % of farmers who used									
Improved seeds	37.1	20.8	20.7	39.7	18	18.8	37.3	18.0	18.9
Organic fertilizer	87.9	83.4	83.7	89.1	80.1	78.8	88.0	80.8	83.5
Inorganic fertilizers	59.6	51.6	74.5	64.5	52	60.4	63.2	55.5	65.8
Pesticides	34.5	29.7	69.3	39.8	30.2	59.8	41.9	36.6	67.0
Agricultural practices: % of farmers who practiced									
Irrigation	10.3	9.6	64.6	7.5	12.1	58.2	13.4	11.5	58.9
Anti-erosion	92.1	91.6	94.8	90.6	89.2	92.9	90.3	89.9	94.7
Agricultural area									
Total land area (,000Ha)	2,377	2,377	-	2,376	2,376	-	2,376	2,376	-
Agriculture land (,000Ha)	1,368	1,345	-	1,372	1,350	-	1,399	1,423	-
Percentage of agricultural area	58	57	-	58	57	-	59	60	-
Area under permanent crops (,000Ha)	543	540	-	511	513	-	492	524	-
Area under permanent pasture (,000Ha)	126	124	-	125	116	-	96	100	-
Area under seasonal crops(,000Ha)	1,000	983	-	1,049	987	-	1,019	1,022	-
Temporary fallow land(,000Ha)	112	118	-	104	128	-	142	150	-
Temporarily meadow and pasture(,000Ha)	11	10	-	10	11	-	10	10	-

Source: NISR, SAS 2025

I   INTRODUCTION

Agriculture continues to be one of the most important pillars of economic growth in Rwanda, with its transformation receiving significant emphasis under the new National Strategy for Transformation (NST2). Recognizing its potential for economic development, food security and poverty reduction, the Government has established an ambitious agricultural agenda under the new strategy for transformation of agriculture (PSTA 5) aiming at transformation of Rwandan agriculture from a sector characterised by low productivity to a sector using knowledge to increase productivity and investing in value addition and commercialization.

High-quality agricultural statistics plays a vital role in assessing the performance of national agricultural programs and are, therefore, essential for evidence-based decision making. While the use of statistics in decision-making processes continues to grow, the demand for agriculture data is also increasing. To meet this demand, the National Institute of Statistics of Rwanda (NISR), in collaboration with the Ministry of Agriculture and Animal Resources (MINAGRI), conducts the Seasonal Agricultural Survey (SAS). This survey systematically gathers information on potential agricultural land use, crop area, yield, production, agricultural inputs, agricultural practices and other relevant agricultural statistics.

The survey data are complemented by administrative records from the National Agricultural Export Development Board (NAEB), collected through its routine monitoring of coffee and tea production. The Seasonal Agricultural Survey (SAS) is conducted by NISR across Rwanda's three main agricultural seasons: Season A (September to February of the following year), Season B (March to June) and the shorter Season C (July to September). Season Cis mainly for vegetables and sweet potato grown in swamps and Irish potato grown in the volcanic agro-ecological zone.

Every three years, SAS undergoes an upgrade to revise the sample frame based on changes in land classes and subsequently select new sample segments to be surveyed over the subsequent three-years. This report outlines the third upgrade of the Seasonal Agriculture Survey, detailing the enhancements made to the area frame, data collection activities, and key findings from the three Seasons.

1.1. Objectives of the Seasonal Agricultural Survey (SAS)

The primary objective of SAS is to provide timely, accurate, reliable, and comprehensive agricultural statistics that describe the structure of agriculture in Rwanda. This is mainly achieved through the measurement of land use, crop area, yield, and crop production. The survey results are useful for monitoring current agricultural and food supply conditions, thereby facilitating evidence-based decision making for the development of the agricultural sector.

The survey specifically captures data related to land use: including agricultural land, arable land, physical crop cultivated area, crop land, pastureland, and fallow land. It also gathers information on crop production, measuring the quantity of harvested crop in kilograms or tons. The survey further quantifies crop yield, indicating the harvested crop per unit of land area in kilograms per hectare. Moreover, it examines the use of agricultural inputs such as improved seeds, fertilizers, and pesticides. Finally, the survey explores various agricultural practices, including irrigation, soil erosion protection, agroforestry, and agriculture mechanization.

2.1. Sample frame design

To provide the basis for conducting probability-based surveys that comprehensively capture farm-level data and to enhance the precision of survey estimates, the Seasonal Agricultural Survey employs a Multiple Frame Sampling (MFS) methodology. This approach involves constructing an area frame from which the survey sample is selected. In addition, a list frame of Large-Scale Farmers (LSF), defined as those operating at least 10 hectares of agricultural land is done to complement the area frame. This ensures comprehensive coverage of crops predominantly cultivated by large-scale farmers, which might not be adequately represented using an area frame alone. The construction of the area frame involves several steps, including land cover classification, land stratification and the sampling of segments.

2.1.1. Land cover classification

Land classification serves as the first step in designing the sampling frame for the Seasonal Agriculture Survey. This process involves categorizing the total available land in the country into distinct land use or land cover types. The primary purpose is to enhance sampling precision by ensuring the appropriate targeting of the adequate land. This classification was achieved through a combination of available national different spatial layers with the photo-interpretation of a time series of high-resolution (50 to 30 cm) satellite images spanning from 2010 to 2023. As a result, the country's total land was divided into 14 distinct land cover classes (as shown in Table 1).

Table 1: List of Rwanda land cover classes

No	Class name	Area (Ha)	Percentage share
1	Agricultural land on hills	1,307,956	51.7
2	Non-rice Agricultural Wetland	56,905	2.2
3	Mixed rangeland	127,640	5.0
4	Low-density built-up area	95,740	3.8
5	Paddy rice wetland	22,825	0.9
6	Tea plantation	23,732	0.9
7	Non cropped wetlands	36,846	1.5
8	Forest	381,391	15.1
9	National parks	190,247	7.5
10	Water bodies	155,030	6.1
11	High-density built-up area	58,657	2.3
12	Protected wetland	45,883	1.8
13	Bare land/rocks	15,412	0.6
14	Exclusive rangeland	13,064	0.5

Source: NISR, SAS 2025

Among 14 land cover classes, only 6 are related to agricultural activities include agricultural land on hillside, non-rice agricultural Wetland, mixed rangeland, low-density built-up area, wetlands designated for paddy rice and tea plantation.

Map 1: Rwanda land classification map
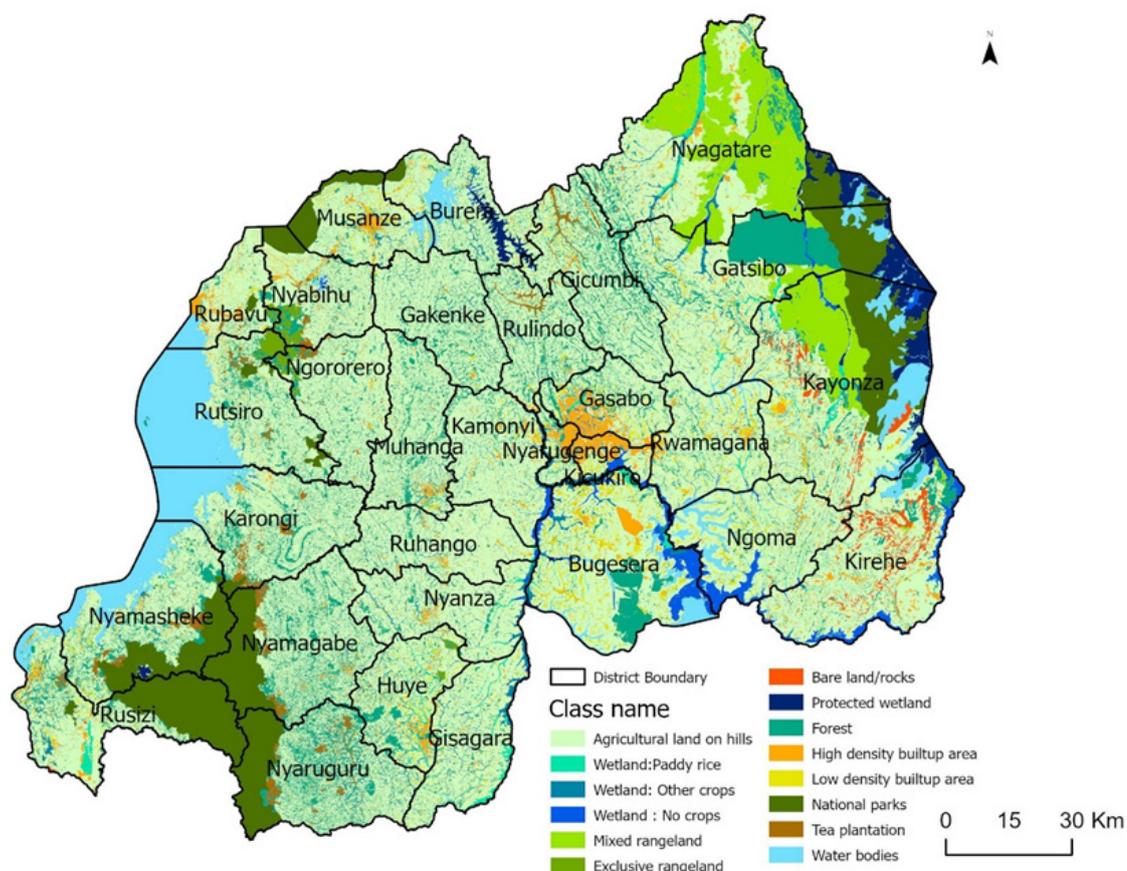
Source: NISR, SAS 2025

The subsequent step involves constructing the area frame which includes grouping the land cover classes linked to agricultural activities into strata to identify agricultural strata to be considered in the sampling frame

2.1.2. Land stratification.

The stratification is a result of a combination of sampling units (clusters) and land use/land cover. The stratification assigns each cluster a stratum based on the predominant land class type. Among the fourteen land cover classes, four are included in the agricultural survey frame, while the others are excluded.

The included land cover classes comprise hillside agricultural land, non-rice agricultural land, mixed rangeland, and low-density built-up areas (which retain potential for agricultural production, such as kitchen gardens, fruit trees, and livestock). However, specific agricultural land classes are excluded from the sampling frame. For example, tea plantations are omitted due to regular monitoring by the National Agricultural Export Development Board (NAEB). Similarly, wetlands designated for paddy rice cultivation are typically considered under the Large-Scale Farmers component, thereby integrating them into the survey frame. Moreover, beginning in 2024, a new land cover class called "Exclusive Rangeland" has been introduced specifically to idintify areas used for pastoral activities. This class is also excluded from the sampling frame.

By overlapping the clusters layer with land cover classes layer, each cluster is assigned a dominant land cover class as a stratum definition, basing on a defined threshold as follow:

Table 2: List of strata

Stratum code	Stratum name	Definition
1.0	Dominant hill crop land	Clusters with Hillside agricultural land cover class greater or equal to 60% of the total area of the cluster
2.0	Dominant Wetland crops	Clusters with non-rice wetland land cover class greater than 25% of total area of the cluster
3.0	Dominant rangeland	Clusters with mixed rangeland land cover class greater or equal to 60% of the total area of the cluster
4.0	Mixed	The rest of other possible combinations
9.0	Excluded	All clusters with excluded land cover classes greater or equal to 50% of the total area of the cluster

Source: NISR, SAS 2025

The SAS sample is drawn from four main strata: Dominant hill crop land, dominant wetland crops, dominant rangeland, and mixed land strata

Map 2: Distribution of stratified clusters by district
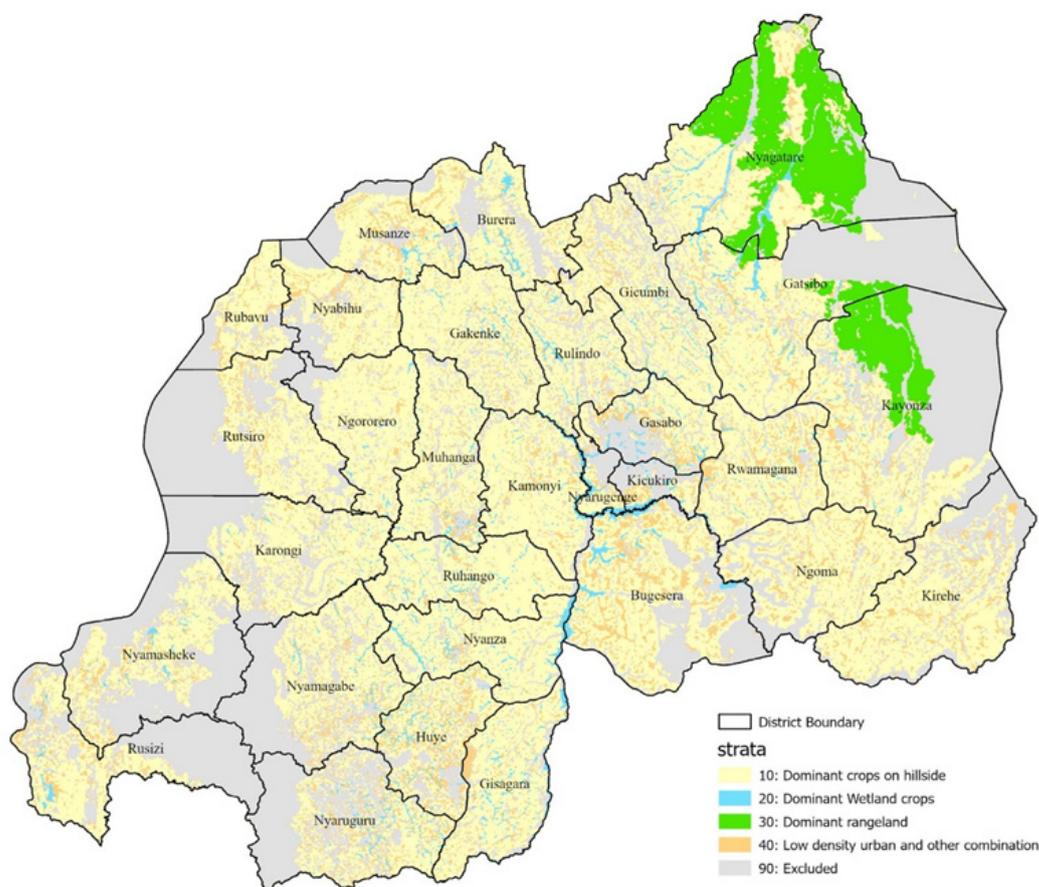
Source: NISR, SAS 2025

2.1.3. Sampling Units

The Seasonal Agricultural Survey is an area-based sample survey that uses land sampling units, small square land units of 300 by 300 meters (9ha). Geographic Information System (GIS) technology is used to create the units covering the whole country. In total the sampling frame comprises 269,989 square units (clusters) for season A and B and 144,915 square units (clusters) for season C. Each cluster is assigned a unique cluster number as shown on the map below.

Map 3: SAS Sampling Units

Source: NISR, SAS 2025

Table 3: Population size per district by stratum (Number of segments)

District	Stratum						
	Dominant hill crop land	Dominant wetland crops	Dominant rangeland	Mixed stratum	Excluded stratum	Total A & B	Season C
Nyarugenge	534	238	-	168	524	1,464	852
Gasabo	2,165	283	-	697	1,632	4,777	4,138
Kicukiro	461	179	-	233	1,000	1,873	1,075
Nyanza	5,688	520	-	500	744	7,452	8,952
Gisagara	5,197	397	-	824	1,077	7,495	10,326
Nyaruguru	3,568	343	-	1,300	6,027	11,238	10,020
Huye	3,160	346	-	1,466	1,496	6,468	7,817
Nyamagabe	5,344	263	-	1,154	5,352	12,113	6,031
Ruhango	5,663	336	-	489	487	6,975	6,106
Muhanga	4,983	237	-	760	1,200	7,180	5,586
Kamonyi	5,530	320	-	704	777	7,331	5,857
Karongi	5,757	117	-	726	2,159	8,759	3,986
Rutsiro	4,511	-	-	776	2,083	7,370	1,774
Rubavu	2,516	-	-	446	843	3,805	2,560
Nyabihu	3,481	-	-	671	1,896	6,048	3,914
Ngororero	5,580	134	-	461	1,276	7,451	2,068
Rusizi	3,731	155	-	886	5,500	10,272	3,679
Nyamasheke	4,584	134	-	953	4,839	10,510	2,908
Rulindo	4,144	304	-	625	1,219	6,292	4,039
Gakenke	5,934	249	-	671	966	7,820	4,759
Musanze	3,111	126	-	769	1,869	5,875	4,304
Burera	4,256	260	-	667	1,976	7,159	6,763
Gicumbi	5,883	208	-	950	2,176	9,217	3,578
Rwamagana	5,060	163	-	1,194	1,122	7,539	1,591
Nyagatare	6,591	516	9,112	1,112	4,050	21,381	10,679
Gatsibo	7,362	435	788	1,100	7,781	17,466	6,907
Kayonza	6,471	149	3,825	1,293	9,730	21,468	6,808
Kirehe	7,704	-	-	1,501	3,972	13,177	5,395
Ngoma	6,293	-	-	1,201	2,154	9,648	2,850
Bugesera	6,957	612	-	2,341	4,456	14,366	8,685
National	142,219	7,024	13,725	26,638	80,383	269,989	144,915

Source: NISR, SAS 2025

2.1.4. Sampling procedures

Among the five defined strata, only four are considered to have agricultural land potential: the dominant hill crop land stratum, dominant wetland crops stratum, dominant rangeland stratum and mixed stratum. The remaining stratum is classified as non-agricultural land. It is important to note that clusters covered by tea plantations and wetlands designated for paddy rice cultivation are excluded from the area sample frame for the reasons stated previously. Thus, SAS is conducted within the four above mentioned strata. At the first sampling stage, a total of 1200 segments are selected and allocated at the district level based on the power allocation approach (Bankier, 1988[1]). Within each district, sampled segments are then distributed among strata using a proportional-to-area criterion. Specifically, for Season C, a shorter agricultural season that does not encompass the entire agriculturally potential land, the sample was selected exclusively from three sub-strata: The Dominant Wetland, Season A and B frames within the volcanic agro-ecological zone (characterized by consistent rainfall), and special sites with established irrigation infrastructure. For Season C, 946 segments were selected and allocated at the district level.

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[1]   Bankier M.D. (1988) Power allocations: determining sample sizes for subnational areas. The American Statistician, Vol. 42, n. 3 pp. 174-177.

Table 4: Allocation of sampled segments per district by stratum

| District | Stratum | | | | Total A & B | Season |
	Dominant hill crop land	Dominant wetland crops	Dominant range-land	Mixed stratum		C
Nyarugenge	12	6	-	2	20	12
Gasabo	22	4	-	3	29	21
Kicukiro	13	5	-	2	20	16
Nyanza	37	4	-	2	43	40
Gisagara	33	5	-	3	41	48
Nyaruguru	25	3	-	7	35	36
Huye	27	3	-	5	35	37
Nyamagabe	36	2	-	6	44	33
Ruhango	36	3	-	3	42	31
Muhanga	33	3	-	4	40	34
Kamonyi	36	3	-	4	43	34
Karongi	38	2	-	3	43	25
Rutsiro	34	-	-	4	38	15
Rubavu	21	-	-	4	25	24
Nyabihu	29	-	-	3	32	38
Ngororero	38	2	-	3	43	18
Rusizi	27	2	-	5	34	25
Nyamasheke	31	2	-	5	38	21
Rulindo	28	3	-	4	35	29
Gakenke	37	2	-	4	43	27
Musanze	24	2	-	4	30	42
Burera	30	2	-	3	35	56
Gicumbi	37	2	-	5	44	24
Rwamagana	34	2	-	6	42	16
Nyagatare	31	5	25	7	68	52
Gatsibo	38	3	5	5	51	41
Kayonza	32	2	13	5	52	42
Kirehe	45	-	-	9	54	39
Ngoma	39	-	-	6	45	23
Bugesera	45	3	-	8	56	47
Total	**948**	**75**	**43**	**134**	**1,200**	**946**

Source: NISR, SAS 2025

At the second stage, 25 sample points are systematically selected, following a special distance of 60 meters between points. Sample points serve as reporting units within each segment. Enumerators visit each point, identify and delineate the plots in which the sample point falls, and collect records of land use and related information.

The recorded information represents the characteristics of the whole segment which are extrapolated to the stratum level and hence the combination of strata within each district provides district area related statistics.

Map 4: Map showing square cluster(segment) with 25 sampled points
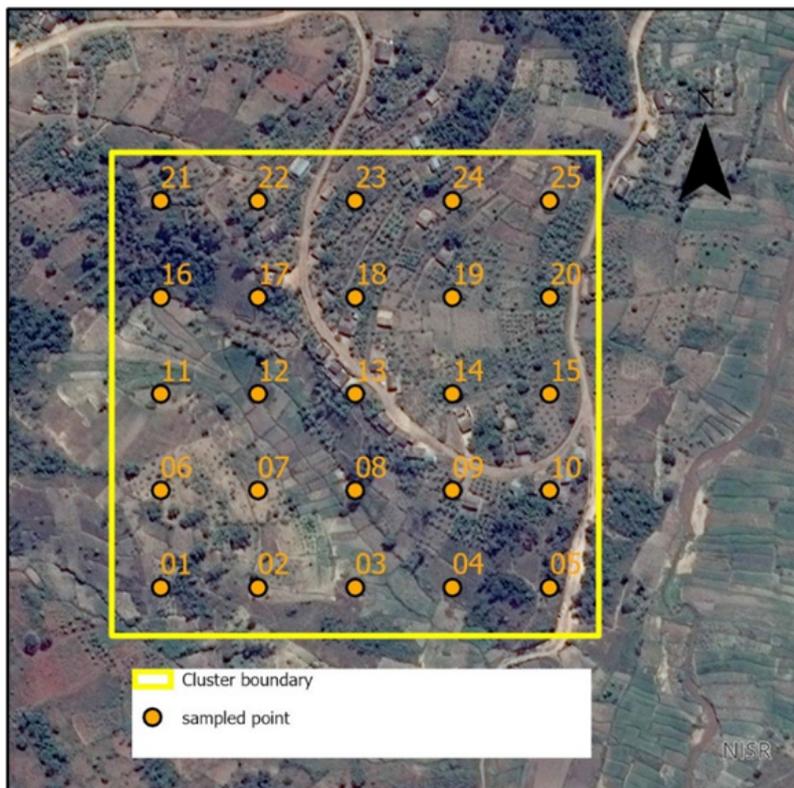
Source: NISR, SAS 2025

2.1.5. Weighting Procedures

Based Based on the stratified two-stage sample design used with the new area frame, the first stage sampling probability for the sample segments in each stratum is calculated as:

$$P_{1h} = \frac{n_h}{N_h}$$

Where:

P_{1h} = probability of selection of sample segments in stratum h (district by stratum)

n_h = number of sample segments selected in stratum h

N_h = total number of segments in the area frame for stratum h in each stratum

The second stage probability was calculated at the plot level based on the assumption that the plots within each sample segment were implicitly selected with PPS using the area of the plot as the measure of size. Therefore, the second stage probability of selection can be expressed as follows:

$$p_{2hi} = \frac{g_{hi} \times A_{hij}}{A_{hi} \times g_{hij}}$$

Where:

p_{2hi} =   Probability of selection of the plot in segment h

g_{hi} =   Number of grid squares selected in the i-th sample segment of stratum h;

A_{hij} =   Area of the j-th sample plot selected in the i-th sample segment of stratum h

A_{hi} =   Area of the i-th sample segment of stratum h;

g_{hij} =   Number of selected grid squares in the j-th sample plot of the i-th sample segment of stratum h

The weight of a sample plot is equal to the inverse of the first and second stage probabilities of selection:

Where:

$$W_{Phij} = \frac{1}{p_{1h} \times p2_{hi}} = \frac{N_h \times A_{hi} \times g_{hij}}{n_h \times g_{hi} \times A_{hij}}$$

W_{Phij} = weight for the j-th sample plot in the i-th sample segment in stratum h

2.1.6. Sampling errors computation

Survey results are subject to two primary types of error: (i) sampling errors and (ii) non-sampling errors. Non-sampling errors encompass all sources of errors unrelated to sampling, occurring throughout all aspects of the survey process, including data collection and processing. These are typically categorized into four types: coverage errors, measurement errors, non-response errors, and processing errors. While researchers take steps to minimize such errors through the survey design and implementation phases, it is practically impossible to eliminate them entirely. Non-sampling errors, in particular, pose significant challenges for accurate identification and quantification. Despite all precautions, there's always some degree of uncertainty associated with survey results due to the presence of these errors.

Sampling errors are associated with the sampling selection process, arising from observing a sample instead of the entire population. They denote the disparity between the estimate derived from a sample survey and the true value that would result if a census of the whole population were conducted under the same conditions.

In order to assess the precision of important estimates from the 2025 SAS data and the statistical efficiency of the agricultural area frame and sample design, it is important to calculate the sampling errors and corresponding coefficients of variation (CVs) for these estimates, such as the total area in each major crop. The sampling error for an estimate is measured by its standard error, defined as the square root of its variance. The Complex Samples module in SPSS and Stata employ a linearized Taylor series variance estimator, which considers the stratification and clustering in the sample design.

The SPSS Complex Samples software were used to calculate the sampling errors and CVs for estimates of the total area of major crops from the SAS data.

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The formula for the estimate of a total can be expressed as follows:

$$\hat{Y} = \sum_{h=1}^{L} \sum_{i=1}^{n_h} \sum_{j=1}^{m_{hi}} W'_{hi}\, y_{hij} \ ,$$

Where:

L = number of strata

y_{hij} = value of variable y for the j-th sample household in the i-th sample segment in stratum h

The variance estimator for a total used by the Complex Samples module of SPSS and Stata can be expressed as follows:

Variance Estimator for a Total:

$$V(\hat{Y}) = \sum_{h=1}^{L} \left[\frac{n_h}{n_h - 1} \times \sum_{i=1}^{n_h} \left(\hat{Y}_{hi} - \frac{\hat{Y}_h}{n_h} \right)^2 \right]$$

Where:

$$\hat{Y}_{hi} = \sum_{j=1}^{m_h} W'_{hi}\, y_{hij}$$

y_{hij} : value of variable for the -th sample plot in the -th sample segment of stratum

$$\hat{Y}_h = \sum_{i=1}^{h} \hat{Y}_{hi}$$

The survey estimate of a ratio is defined as follows:

$$\hat{R} = \frac{\hat{Y}}{\hat{X}}$$

Where and are estimates of totals for variables and , respectively, calculated as specified previously.

In the case of a stratified two-stage sample design, means and proportions are special types of ratios. In the case of the mean, the variable X, in the denominator of the ratio, is defined to equal 1 for each unit so that the denominator is the sum of the weights. For a proportion, the variable X in the denominator is also defined to equal 1 for all units; the variable Y in the numerator is binomial and is defined to equal either 0 or 1, depending on the absence or presence, respectively, of a specified characteristic for the unit.

The variance estimator for a ratio used by SPSS Complex Samples and Stata can be expressed as follows:

Variance Estimator for a Total:

Where:

$$V(\widehat{Y}) = \sum_{h=1}^{L} \left[(1 - f_h) \times \frac{n_h}{n_h - 1} \sum_{i=1}^{n_h} \left(\widehat{Y}_{hi} - \frac{\widehat{Y}_h}{n_h} \right)^2 \right]$$

f_h : first stage probability for stratum ;

$(1 - f_h)$: is the finite population correction (fpc) factor.

$$\widehat{Y}_{hi} = \sum_{j=1}^{m_h} W'_{hi} \, y_{hij}$$

y_{hij} h : value of variable for the -th sample plot in the -th sample segment of stratum

$$\widehat{Y}_h = \sum_{i=1}^{n_h} \widehat{Y}_{hi}$$

Variance Estimator for a Ratio:

$$V(\widehat{R}) = \frac{1}{\widehat{X}^2} \left[V(\widehat{Y}) + \widehat{R}^2 V(\widehat{X}) - 2\widehat{R} \, COV(\widehat{X}, \widehat{Y}) \right]$$

Where:

$$COV(\widehat{X}, \widehat{Y}) = \sum_{h=1}^{L} \left[(1 - f_h) \times \frac{n_h}{n_h - 1} \sum_{i=1}^{n_h} \left(\widehat{X}_{hi} - \frac{\widehat{X}_h}{n_h} \right) \left(\widehat{Y}_{hi} - \frac{\widehat{Y}_h}{n_h} \right) \right]$$

$V(\widehat{Y})$ and $V(\widehat{X})$ are calculated using the formula for the variance of a total.

In addition to calculating standard error, the program further computes the Design Effect (DEFF) for the main indicator, the area under cultivation. The Design Effect is defined as the variance of an estimate derived from the actual complex sample design, divided by the corresponding variance that would be expected from a simple random sample of identical size. It serves as a measure of the sample design's relative statistical efficiency, incorporating both the stratification and clustering present in the sample design.

Clustering typically increases the design effect due to the intra-cluster correlation among plots within the same segment. Simultaneously, land-use stratification of segments typically, decreases the design effect, as it a more efficient sampling strategy than simple random sampling. Accounting for both factors provide a comprehensive assessment of how effectively the sample design captures the variability of the area under cultivation. Estimates of the total area for major crops at the national level, along with corresponding precision measures (standard error (SE), the coefficient of variation (CV), the 95 percent confidence interval, the design effect (DEFF), and number of unweighted observation (n of sample plots)) from the SAS 2025 data are presented in Tables 5, 6 and 7.

Table 5: *2025 Season A Sampling Errors for major crops at the national level*

Crop name	Estimate	SE	CV	95% Confidence Interval		DEFF	No. observations (plots)
				Lower	Upper		
Maize	244,095	6,391	0.026	231,555	256,635	0.159	8,368
Sorghum	40,353	3,833	0.095	32,832	47,874	0.821	624
Beans	327,147	7,167	0.022	313,084	341,210	1.537	8,331
Paddy rice	17,312	86	0.005	17,142	17,481	0.000	2,544
Irish potato	54,485	3,432	0.063	47,750	61,220	1.144	1,559
Sweet potato	82,458	2,828	0.034	76,909	88,007	2.372	1,627
Vegetables	20,780	1,396	0.068	17,875	23,352	0.543	766
Cooking banana	104,232	4,333	0.042	95,730	112,735	1.308	3,137
Dessert banana	40,540	1,771	0.044	37,066	44,014	1.740	3,136
Banana for beer	123,780	4,474	0.036	115,002	132,558	1.321	3,574
Cassava	247,839	6,240	0.025	235,595	260,083	1.290	5,155
Groundnut	10,832	826	0.076	9,211	12,454	1.234	468
Fruits	14,021	2,760	0.197	8,605	19,436	0.411	612

Source: NISR, SAS 2025

Table 6 : *2025 Season B Sampling Errors for major crops at the national level*

Crop name	Estimate	SE	CV	95% Confidence Interval		DEFF	No. observations (plots)
				Lower	Upper		
Maize	93,005	3,890	0.042	85,373	100,637	0.111	3,340
Sorghum	107,195	5,137	0.048	97,115	117,274	1.135	1,840
Paddy rice	17,970	87	0.005	17,637	17,980	0.000	2,596
Sweet potato	89,679	3,025	0.034	83,745	95,614	2.411	1,950
Irish potato	45,940	3,186	0.069	39,687	52,192	1.185	1,474
Cassava	196,881	4,947	0.025	187,145	206,556	1.389	5,440
Bush bean	211,974	6,163	0.029	199,882	224,066	0.408	5,320
Climbing bean	123,078	4,630	0.038	113,996	132,167	2.606	3,030
Groundnut	17,803	1,507	0.085	14,846	20,760	1.088	369
Cooking banana	85,221	3,750	0.044	77,863	92,578	1.269	3,306
Dessert banana	35,832	1,591	0.044	32,710	38,954	1.552	3,254
Vegetables	20,699	1,414	0.069	17,711	23,260	0.860	702
Fruits	11,945	2,105	0.180	7,578	15,840	0.421	546

Source: NISR, SAS 2025

Table 7 : *2025 Season C Sampling Errors for major crops at the national level*

Crop name	Estimate	SE	CV	95% Confidence Interval		DEFF	No. observations (plots)
				Lower	Upper		
Sweet potato	9,687	820	0.085	8,078	11,296	4.737	833
Irish potato	11,034	1,632	0.148	7,829	14,238	2.430	426
Bush bean	3,415	437	0.128	2,558	4,273	1.138	287
Vegetables	6,440	582	0.090	5,299	7,582	1.024	550

Source: NISR, SAS 2025

2.2. Data collection procedures

Data collection for the Seasonal Agricultural Survey (SAS) is carried out in two distinct phases. The first phase, referred to as the screening phase, occurs during the planting period. It consists of delineating all plots that contain the sampled points within the sampled segments, as well as identifying all Large-Scale Farmers (LSF) who have grown crops in the current season. This phase records information related to agricultural land use, grown crops and crop area, and the expected harvesting period. The second phase involves collecting data from the agricultural plots identified during the screening activity. This data relates to crop production, the utilization of agricultural inputs, and the agricultural practices.

2.2.1. Time frame and coverage

In 2025 the Seasonal Agricultural Survey (SAS) was conducted across all 30 districts of Rwanda. The data collection covered 1,200 segments and 382 large-scale farmers in season A, from December 1st, 2024, to February 15th, 2025, and 1,200 segments and 379 large-scale farmers in season B from April 21st to June 30th, 2025. In addition, the data collection for Season C took place from 1st to 30th September, 2025, covering 946 segments identified as suitable for growing Season C crops. The survey response rate was 100%. This included full participation from operators of the sampled plots and all large-scale farmers across all seasons.

2.2.2. Field staff

During the 2025 agricultural year, a team of 148 enumerators and 29 team leaders conducted the field data collection following a comprehensive refresher training. To ensure data quality, high-level supervision was conducted throughout all data collection phases across the three agricultural seasons.

2.2.3. Data collection tools

2.2.3.1. Survey questionnaires

SAS uses two main questionnaires: The Screening questionnaire and the Plot interview questionnaire. The Screening Questionnaire is designed to gather information on the plot, focusing primarily on aspects such as land use, plot area, and the crops grown. On the other hand, the Plot Interview questionnaire is specifically designed to collect detailed information about the sampled plots, including crop production, agricultural inputs used, and agricultural practices applied.

2.2.3.2. Data collection applications

The SAS data collection applications were based on three main software applications:

⇨ Arc GIS field map, which utilizes GIS software and external GPS linked to tablets via Bluetooth to accurately measure crop areas.
⇨ CSPro software, known for its efficiency in census and survey administration, facilitating data collection, entry, and management processes. Csentry data collection tool has been developed by an IT staff specialized for the SAS survey, enabling data collection from sampled plots and large-scale farmers.
⇨ Survey123 is used to collect screening data for large-scale farmers.

2.3. Data quality assurance

Data quality assurance is achieved through a comprehensive approach, involving enumerator training, continuous data monitoring, supervision of data collection activities, and data editing throughout the season.

2.3.1. Training of enumerators

Prior to data collection, enumerators underwent training at the start of each season. The training for Season A took place from 4th to 22nd November 2024, for Season B from 15th to 19th April 2025, and for Season C from 25th to 29th August, 2025. All training sessions were conducted at the NISR Training Center. The sessions covered the overview of the SAS, data collection procedures and ethics, screening procedures, plot interview questionnaire content, and the use of data collection applications such as Survey 123, Arc GIS field map, and CSEntry.

2.3.2. Fieldwork monitoring

2.3.2.1. Monitoring attendance and performance of enumerators

Effective monitoring of enumerator attendance and performance is vital for ensuring operational efficiency and contribution. The monitoring system employed for the 2025 SAS relies on captured GPS metadata, including location and GPS time which differs from the device time and cannot be modified by the user. Whenever an enumerator submits data to the server, the metadata is transmitted concurrently. This enables the analysis of attendance (starting and ending time), location during data collection, and performance metrics such as the number of completed tasks.

2.3.2.2. Attending the sample location and Use of high precision GPS

The Seasonal Agricultural Season (SAS) collects data from observation points grouped into square segments of 300 by 300 meters. Enumerators are required to collect data within a one-meter distance buffer around each observation point, a protocol enforced to ensure measurement accuracy. Any observation recorded outside this buffer is marked as errors and automatically rejected by the central database. To measure plot areas, high-precision GPS units are employed, along with correction services, achieving 95% sub-meter measurement accuracy and addressing precision challenges.

2.3.2.3. Field Monitoring Dashboard

A field monitoring dashboard used is an online web application offering a visual representation of real-time data collected from various field operations. It provides a centralized and accessible platform for monitoring and managing activities, resources, and performance in the field.

2.3.2.4. Field supervision

To ensure data quality throughout 2025 survey seasons, an intensive field supervision was implemented. During Season A, the first field supervision was conducted from December 15th to 24th, 2024, and a subsequent field supervision during the harvesting phase, from January 19th to February 2nd, 2025 by a team of NISR staff.

In Season B, the first supervision was conducted from April 27th to May 11th, 2025 and during the harvesting phase from June 8th to 22nd, 2025. In Season C, a field supervision was conducted from September 14th to 28th, 2025 by NISR staff.

Throughout all supervision phases, NISR staff were deployed to all districts to provide continuous oversight, offering technical guidance, monitoring activity implementation, ensuring ethical adherence, verifying data completeness, and resolving field challenges.

2.3.2.5. Data Editing

During the SAS 2025, a monitoring system involving the GIS tools and data editors was used to ensure quality assurance. The data collection is monitored using dashboard and Google Sheets. Editors conduct daily follow-ups to clean data, identifying and rectifying discrepancies using STATA do files based on logical patterns and feedback from training sessions, aiming to provide a cleaned raw dataset for further analysis.

2.4. Data processing and analysis process

The analysis involved several steps from organization of raw dataset, data management, cleaning, checking for outliers and dealing with missing data to ensure the quality and cleaned dataset before tabulation.

2.4.1. Data management process

Data for SAS are collected electronically using tablets and transmitted directly to NISR servers. Following collection, the data analytics team downloads and imports the data from CSPro into STATA software for further examination, including checking, cleaning, and tabulation.

An exploratory analysis of the dataset is conducted for all variables to assess the sample completeness, identifying missing data or incomplete observations. Any identified cases are sent back to the field for verification and completion. This analysis employs exploratory techniques such as descriptive statistics (summary statistics, frequency tables) and graphical methods (histograms, box plots, etc.) are employed to detect missing values, incomplete data, and potential abnormalities or outliers within the dataset.

2.4.2. Detecting outliers and dealing with missing values

2.4.2.1. Missing values and duplicates observation

During data collection, the CSPRo application enforces validation rules to detect missing, omitted, or skipped variables. When enumerators skip mandatory questions, real time error messages appear on the tablet screen during the interview. Furthermore, before final submission, the system performs a final validation check. An error message notifies the user if any required questions have been left unanswered or if duplicate questionnaire IDs are identified.

After the data is downloaded from the server and imported into STATA, the analysis begins with preparatory phase. The data analyst merges the area and crop dataset, followed by preliminary data checks, cleaning procedures, and any necessary transformations. For this purpose, a do-file is developed to assess the completeness of data for both screening and plot/harvest datasets.

A dedicated team of data analysts checks the data on a daily basis, and any inconsistencies identified are communicated to the field team for correction and clarification.

2.4.2.2. Detecting and dealing with outliers

All quantitative variables, including crop production, fertilizer quantity, seed quantity, agricultural input prices, irrigation costs, and related expenses are subjected to outlier detection. For variables such as crop production and input quantities, two approaches are employed to detect outliers, while a single approach is applicable for the remaining variables.

The first approach involves comparing the value per hectare of land to the standard quantity optimum provided in the guidelines from the Ministry of Agriculture, known as "AGENDA AGRICOLE," for the corresponding land size. Any reported value found to be 1.5 times greater than the standard values is flagged as a potential outlier and is subsequently returned to field workers for verification and confirmation.

The second approach utilizes statistical processes to detect outliers. Within SAS, a combination of statistical methods, including analysis based on standard deviation and graphical methods such as normal box plots, are utilized to identify possible outliers in the dataset.

2.4.3. Methods for Estimating Area and Yield

2.4.3.1. Estimation of area Approach

The National Institute of Statistics of Rwanda (NISR) adheres to methodologies and guidelines for area and yield estimation as outlined by (FAO, 2017) and (EAC, 2022). Among the proposed methods, NISR employs high-precision GPS technology to measure crop area due to its high accuracy and efficiency compared to alternative methods. For yield measurement, NISR relies on farmer estimations.

2.4.3.2. Process of measuring the area

After the identification of the plot boundaries, the enumerators mark GPS points location in approximately every three meters and at each corner of the plot while moving around its perimeter. Then a polygon is obtained when the starting and final points connect. The area is finally computed automatically by GIS software linked to the enumerator's GPS and based on the resulting shape.

2.4.3.3. Process of measuring the yield

Yield data are calculated by considering both the plot and crop areas, alongside the crop production reported by the farmer within the sampled plot. This calculation involves dividing the total production, converted into kilograms, by the estimated crop areas measured in hectares.

2.4.4. Data Analysis

The survey data are analysed using STATA software, which offers robust capabilities for data management, including importing, cleaning, merging, and manipulating datasets. These features facilitate data preparation for analysis. Additionally, STATA enables the development of tabulation commands and the generation of survey tables, graphs, and charts for inclusion in survey reports. Furthermore, SPSS and STATA softwares are utilized for estimating survey sampling errors, ensuring the accuracy and reliability of the survey results.

SURVEY FINDINGS

This section highlights key results of SAS 2025 related to crop area (physical land use, cultivated area, and harvested area), yield, production, agricultural inputs, and agricultural practices in Rwanda.

3.1. Agricultural land use (,000Ha) for 2025 Season A and B

Figure 1: *Agricultural land use for Season A and B 2025 (in thousands of hectares)*
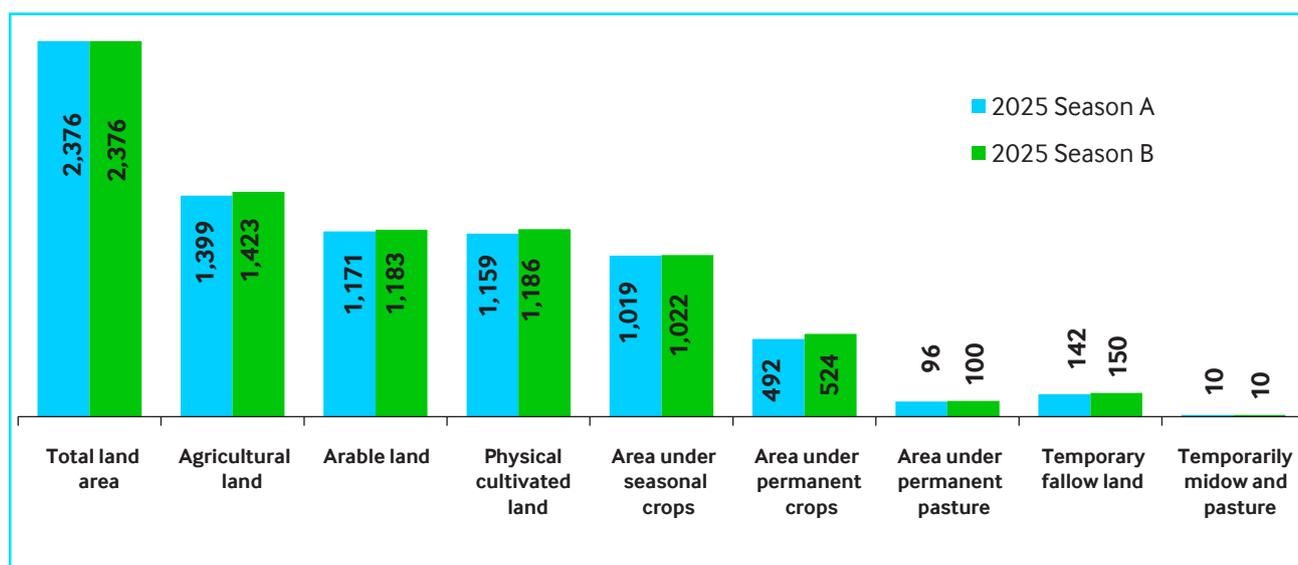
Source: NISR, SAS 2025

The total national land area was estimated at 2.376 million hectares. For Season A of 2025 agricultural year, 1.399 million hectares (59%) were used for agriculture. Of this, 1.019 million hectares are planted with seasonal crops, 0.492 million hectares under permanent crops, and 0.096 million hectares dedicated to permanent pasture. In Season B, 1.423 million hectares (60%) was used for agriculture. This was distributed as 1.022 million hectares for seasonal crops, 0.524 million hectares for permanent crops, and 0.1 million hectares for permanent pasture.

3.2. Crop area, production and yield for major crops

3.2.1 Yield and Crop area for major crops

Maize:

In Season A 2025, the cultivated area for maize in Season was estimated at 244,095 hectares, a decrease of 2% from season A of 2024. The national average yield was 2 tons per hectare, with an average yield of 1.9 tons and 4.1 tons for small scale farmers and large-scale farmers respectively

In season B 2025, the cultivated area for maize was estimated at 93,005 hectares, an increase of 0.1 % from season B of 2024. the national average maize yield was 1.3 tons per hectare, with an average yield of 1.2 tons and 4.2 tons for small scale farmers and large-scale farmers respectively. (See Tables 13-26)

Beans:

In Season A 2025 the cultivated area for beans was estimated at 327,147 hectares, a decrease of 0.6% from season A of 2024. The average beans yield was 705 kilograms per hectare in season A, with an average yield of 704 per hectare for small scale farmers and 830 kilograms per hectare large-scale farmers.

In season B, the cultivated area for beans was estimated at 335,052 hectares, an increase of 1.8% from season B of 2024. the average yield of beans was 719 kilograms per hectare, with an average of 716 kilograms per hectare for small scale farmers and 1,265 kilograms per hectare for large-scale farmers.

In season C of 2025, the cultivated area for beans was 3,136 hectares, an increase of 8% compared to season C of 2024. The average yield was estimated at 1,013 kilograms per hectare. (see district details in Tables 13-26).

Paddy rice:

In season A of 2025, the cultivated area for paddy rice was estimated at 17,312 hectares, an increase of 0.8 % from season A of 2024. The average paddy rice yield was 4.1 tons per hectare, in season A of 2025, with small scale farmers harvesting 2 tons per hectares and Large-Scale Farmers harvesting 4.1 tons per hectare.

In season B of 2025, the cultivated area for paddy rice was 17,970 hectares, a decrease of 0.1% from season B of 2024. The average paddy rice yield was 4.1 tons per hectare, with small scale farmers harvesting 2 tons per hectare and Large-Scale Farmers harvesting 4.1 tons per hectare (see district details in Tables 13-26).

Irish potatoes:

In season A of 2025, the cultivated area of Irish potatoes was estimated at 54,485 hectares in, an increase of 0.8 % from season A of 2024. The average Irish potato yield was 8.7 tons per hectare in season A of 2025, with small scale farmers harvesting 8.7 tons per hectares and Large-Scale Farmers harvesting 11.4 tons per hectare.

In season B of 2025, the cultivated area of Irish potatoes was estimated at 45,940 hectares, an increase of 9.8 % compared to the same season of 2024. The average yield of Irish potato was 6.8 tons per hectare, with small scale farmers harvesting 6.8 tons per hectares and Large-Scale Farmers harvesting 14.2 tons per hectare.

In season C of 2025, the cultivated area under Irish potatoes was estimated at 10,389 hectares, a decrease of 17% compared to the same season of 2024. The average

Sweet potato:

In season A of 2025, the cultivated area for sweet potato was at 82,458 hectares, a decrease of 13.8 % compared to the same season of 2024. The average yield of sweet potato was 8.4 tons per hectares.

In season B of 2025, sweet potato cultivated area was at 89,679 hectares, a decrease of 7.8 % from the corresponding season of 2024. The average yield of sweet potato was 8.1 tons per hectares.

In season C of 2025, sweet potato cultivated area was estimated at 4,539 hectares, an increase of 2% compared to the same season of 2024. The average yield was 9.1 tons per hectares in season C (see district details in Tables 13-26)

Cassava:

The cultivated area for cassava was estimated at 247,839 hectares in season A of 2025, representing a decrease of 1.3% from season A of 2024. The cultivated area in season B 2025, was estimated at 196,881 hectares, representing an increase of 14% from the corresponding season in 2024.

The harvested area was estimated at 40,090 hectares in season A of 2025 and 59,053 hectares in season B of 2025.

The average cassava yield was 13.5 tons per hectare in season A of 2025 and 14.4 tons per hectare in season B 2025. (see district details in Tables 13-26)

Banana:

The cultivated area for banana was estimated at 268,552 hectares in season A of 2025, representing a 1.7% decrease from season A of 2024. The harvested area in Season A 2025 was estimated at 109,994 hectares. Similarly, in season B 2025, the cultivated area was estimated at 238,119 hectares, a decrease of 7.91% from the corresponding season in 2024, with the estimated harvested area of 93,803 hectares.

The average banana yield was 11.6 tons per hectare in season A 2025 and 12.4 tons per hectare in season B 2025. (See district details in Tables 13-26).

3.2.2 Production of major crops

Maize Production: The maize production was estimated at 481,246 metric tons in Season A of 2025 and 117,711 metric tons in Season B of 2025, representing a decrease of 5.3% and 1.2%, respectively, compared to the same seasons in 2024. In both seasons, the Eastern Province recorded the highest maize output, with consistently strong production in the districts of Nyagatare, Gatsibo, Kirehe, and Kayonza, as illustrated in Map 5 (see district-level details in Tables 24-26).

Map 5: Distribution of Maize Production by District in SAS 2025
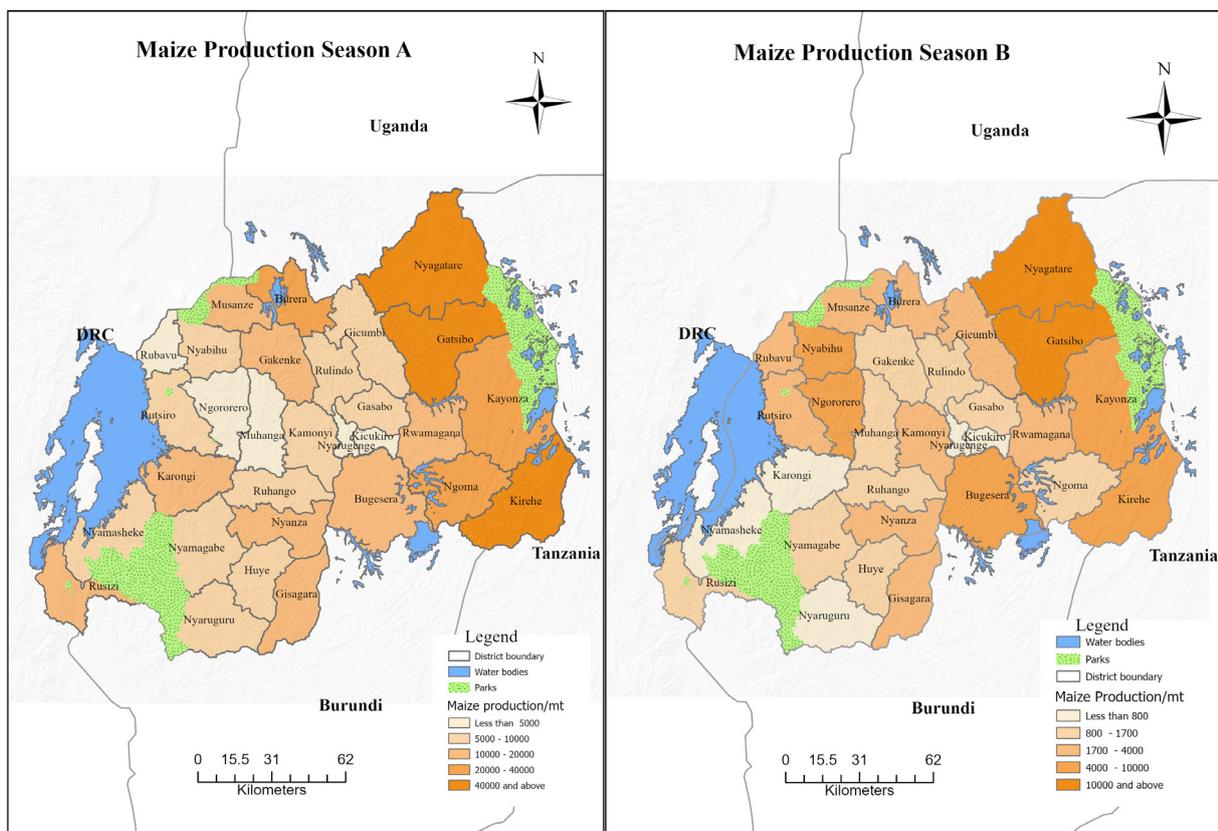
Source: NISR, SAS 2025

Beans Production: In 2025, Beans Production was estimated at 230,456 metric tons in Season A, 240,721 metric tons in Season B, and 3,178 metric tons in Season C. This represents a decrease of 1.2% in Season A and a decrease of 0.6% in Season B compared to 2024. Conversely, Season C recorded an increase of 4%. Across the seasons, the highest-producing districts varied but consistently included key areas in the Eastern and Northern provinces. In Season A, the leading districts were Gatsibo, Gicumbi, Kirehe, and Ngoma. In Season B, the highest production was recorded in Nyagatare, Kirehe, Ngoma, Bugesera, Gicumbi, and Gatsibo. For Season C, the top-producing districts were Bugesera, Gisagara, and Ngoma. These trends are illustrated in Map 6 (see district-level details in Tables 24-26)

Map 6: Distribution of Beans Production by District in SAS 2025
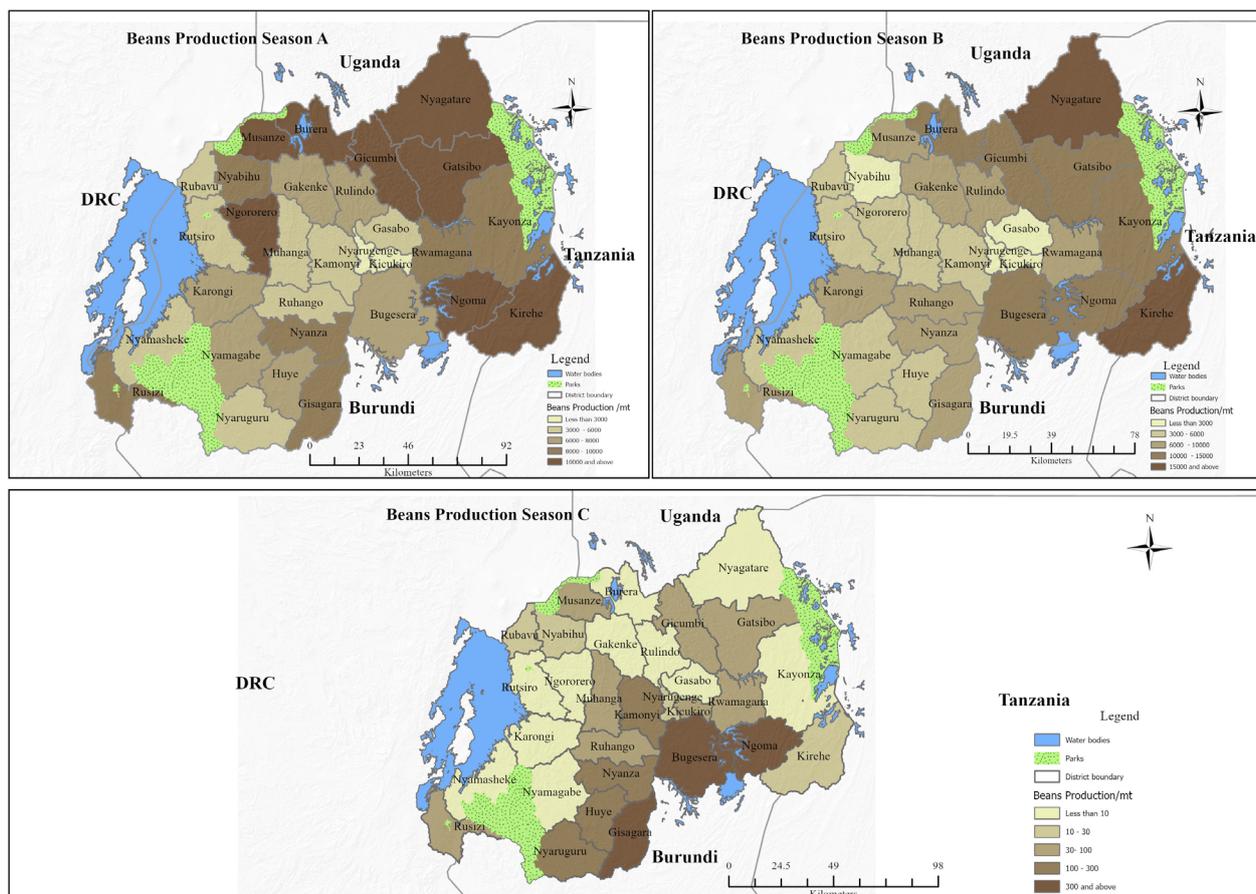
Source: NISR, SAS 2025

Paddy rice Production: During 2025, Paddy rice production was estimated at 69,680 metric tons in Season A and 72,976 metric tons in Season B, reflecting increases of 0.8% and 0.2%, respectively, compared to the same seasons in 2024. Across both seasons, the highest production was consistently recorded in the districts of Nyagatare, Gisagara, Gatsibo, Bugesera, and Rusizi. These patterns are illustrated in Map 7 (see details in Tables 24-26).

Map 7: Distribution of Paddy Rice Production by District in SAS 2025
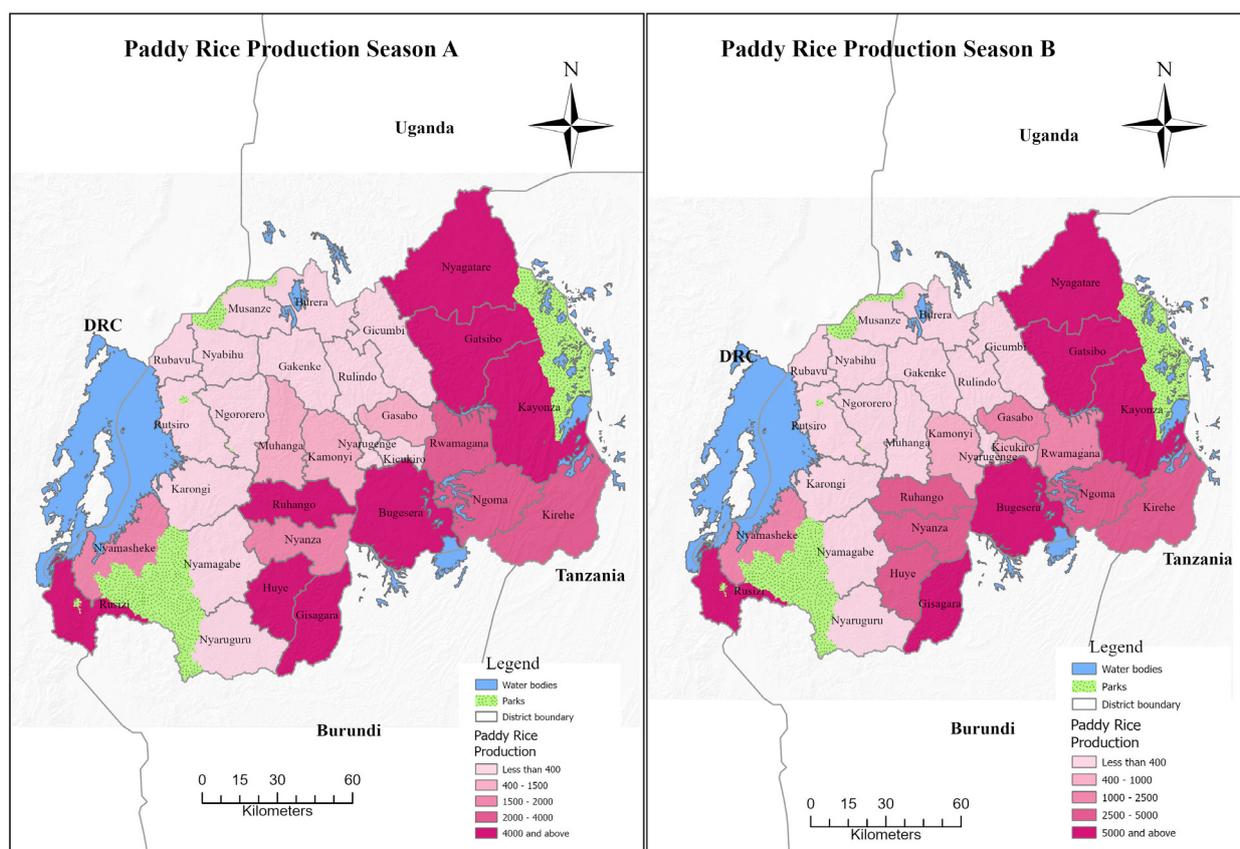
Source: NISR, SAS 2025

Irish potato Production: In 2025, Irish potato production was estimated at 475,785 metric tons in Season A, 314,093 metric tons in Season B, and 94,892 metric tons in Season C. This represents increases of 3.2%, 10%, and 17%, respectively, compared to the corresponding seasons of 2024. Across all three seasons, the highest levels of Irish potato production were consistently recorded in the districts of Nyabihu, Rubavu, Musanze, and Burera. These spatial patterns are illustrated in Map 8 (see details in Tables 24-26).

Map 8: Distribution of Irish Potato Production by District in SAS 2025
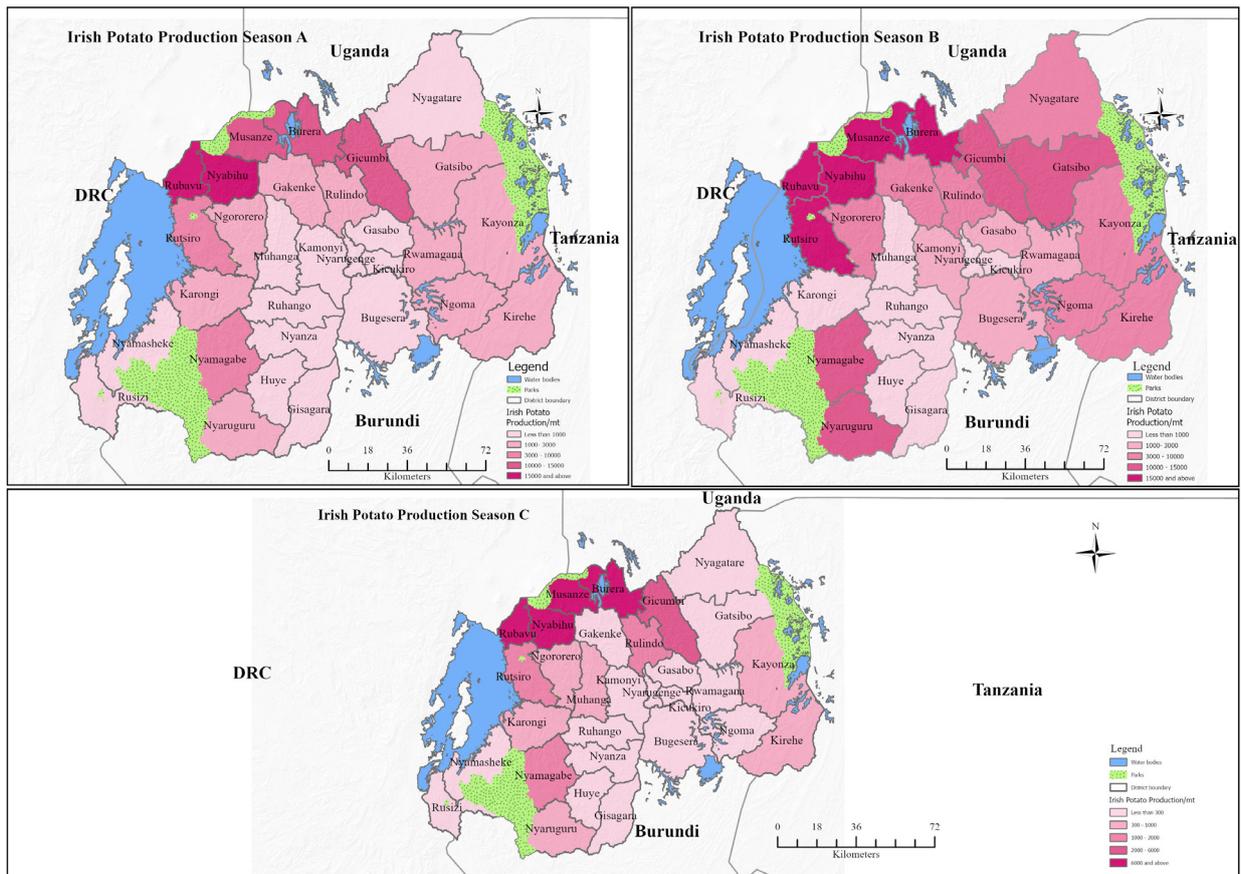
Source: NISR, SAS 2025

Sweet potato Production: In 2025, sweet potato production was estimated at 656,320 metric tons in Season A, 652,515 metric tons in Season B, and 41,289 metric tons in Season C. Compared to the corresponding seasons in 2024, this reflects a decrease of 5.3% for Season A and 2.1% for Season B. Conversely, Season C recorded an increase of 8%. The districts with the highest production varied seasonally. In Season A, the leading producers were Gicumbi, Gakenke, Nyamagabe, and Nyaruguru. In Season B, the leading districts were Nyamagabe, Gakenke, Nyaruguru, and Ngororero. For Season C, the highest production was recorded in Nyaruguru, Burera, Rubavu and Gisagara. These patterns are illustrated in Map 9 (see details in Tables 24-26).

Map 9: Distribution of Sweet Potato Production by District in SAS 2025
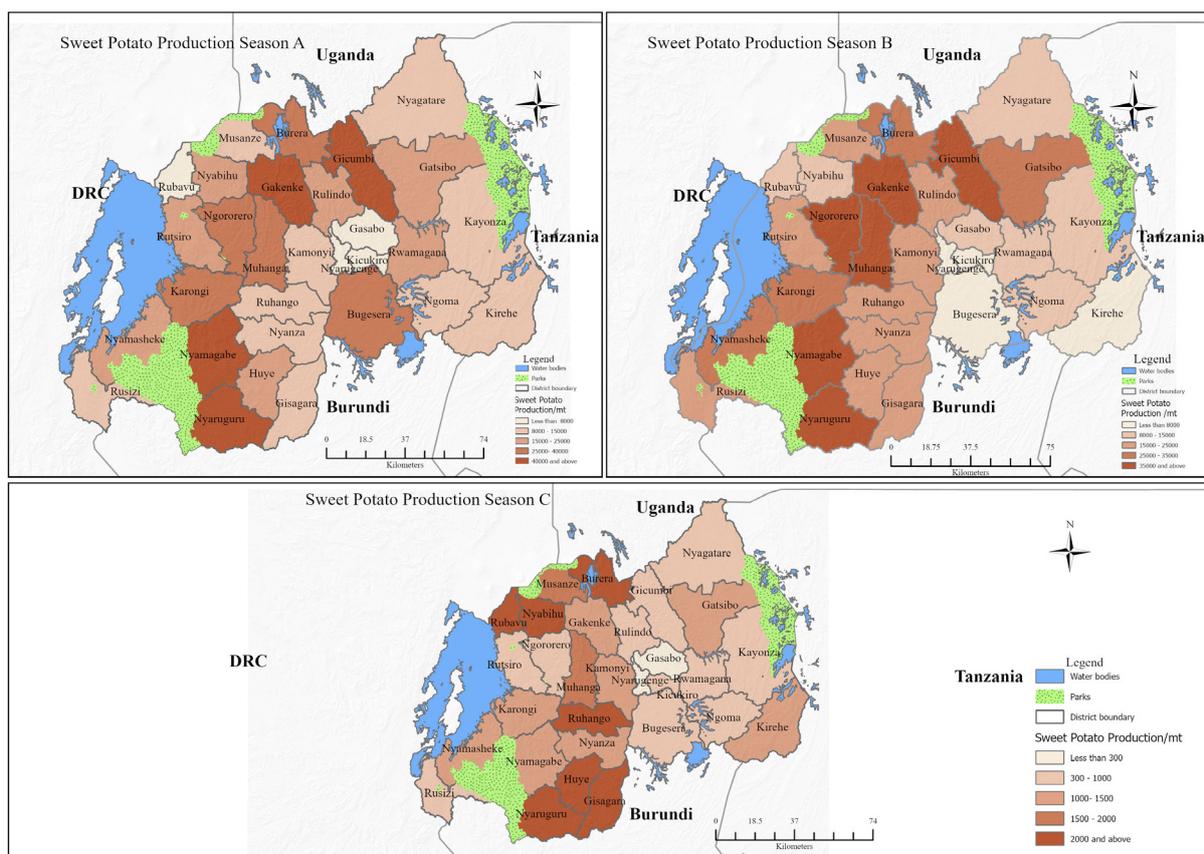
Source: NISR, SAS 2025

Cassava Production: In 2025, cassava production was estimated at 542,874 metric tons in Season A and 852,541 metric tons in Season B, representing an increase of 4.8% and 8.8% respectively, compared to the same seasons in 2024. In Season A, the highest production was recorded in the districts of Ruhango, Nyanza, Ngoma, Kamonyi, and Kayonza, while in Season B the leading districts were Rusizi, Ruhango, Gisagara, Nyamasheke, and Kayonza. These spatial production patterns are illustrated in Map 10 (see details in Tables 24-26).

Map 10: Distribution of Cassava Production by District in SAS 2025
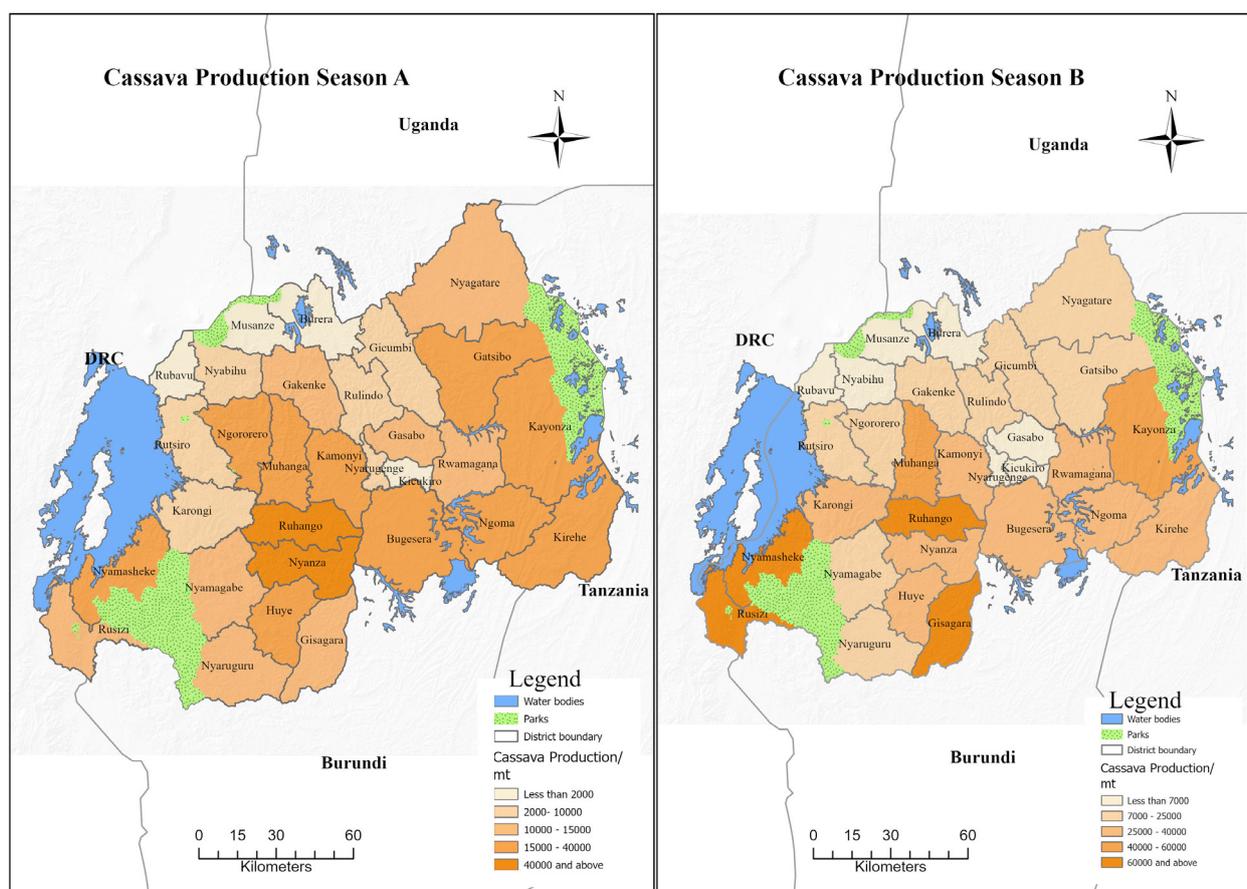
Source: NISR, SAS 2025

Banana Production: In 2025, banana production was estimated at 1,278,234 metric tons in Season A and 1,166,247 metric tons in Season B. This represents a 1.3% decrease from the corresponding season in 2024 for Season A and a 2.1% increase for Season B. For both seasons, the Eastern Province recorded the highest production levels, particularly in the districts of Gatsibo, Kirehe, Ngoma, and Nyagatare. These patterns are illustrated in Map 11, (see details in Tables 24-26).

Map 11: Distribution of Banana Production by District in SAS 2025
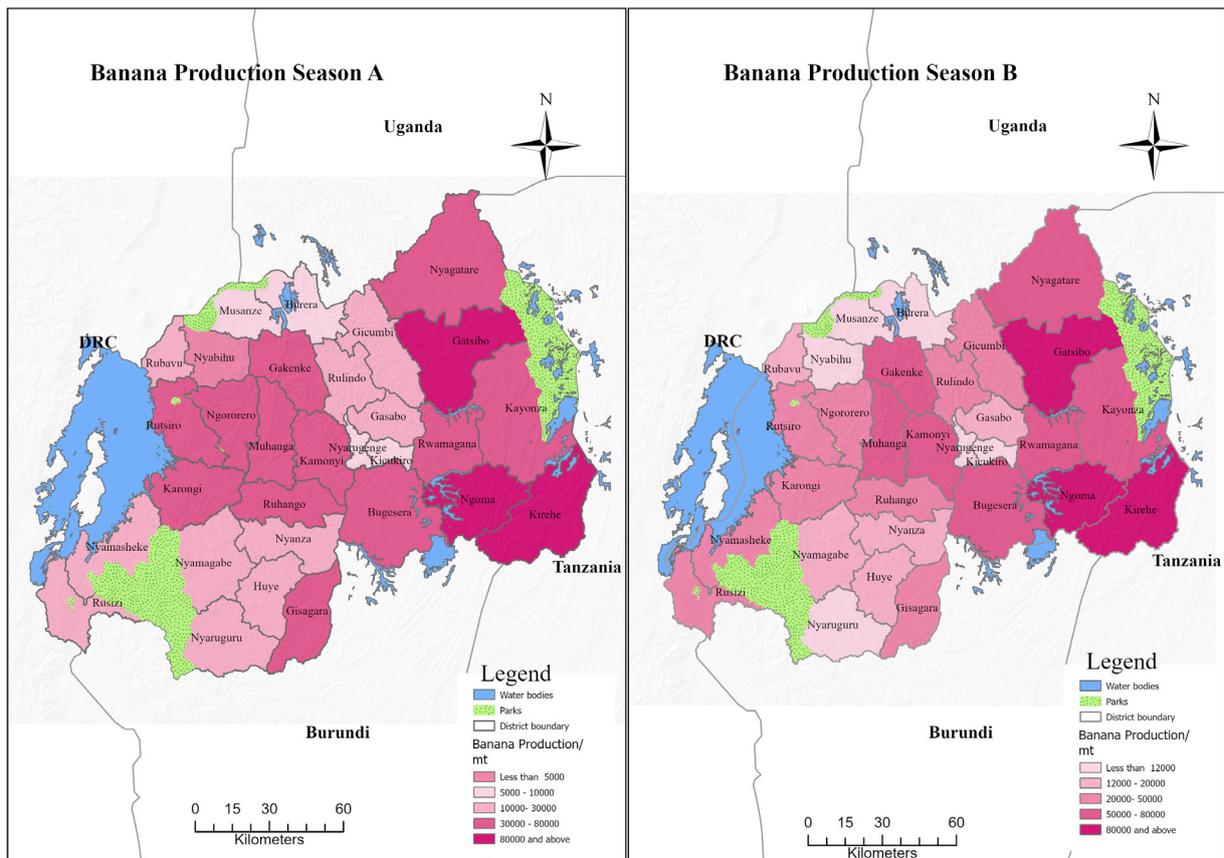
Source: NISR, SAS 2025

3.3. Agricultural inputs

This section highlights the use of agricultural inputs. Agricultural inputs include seeds, organic and inorganic fertilizers, and pesticides/fungicides. The survey results are presented in terms of percentage of farmers who applied such agricultural inputs throughout the agricultural year.

3.3.1. Use of seeds

Figure 2: Use of improved seeds (%)

	Season A	Season B	Season C
2023	37.1	20.8	20.7
2024	39.7	18	18.8
2025	37.3	18.0	18.9

Source: NISR, SAS 2025

Figure 2 demonstrates that 37.3% of farmers used improved seeds in Season A of 2025 compared to 18% in Season B, and 18.9% in Season C. In terms of farmer categories, 35.9% of small-scale farmers (SSF) and 85.4% of large-scale farmers (LSF) reported improved seeds usage in season A. In season B 2025, 16.7% of small-scale farmers and 72.1% of large-scale farmers used improved seeds. NGOs/Companies and Agro-dealers were the primary sources for improved seeds across seasons of 2025. (See district details in table 33-42).

3.3.2. Use of fertilizers

Figure 3: Percentage of farmers who used fertilizers.
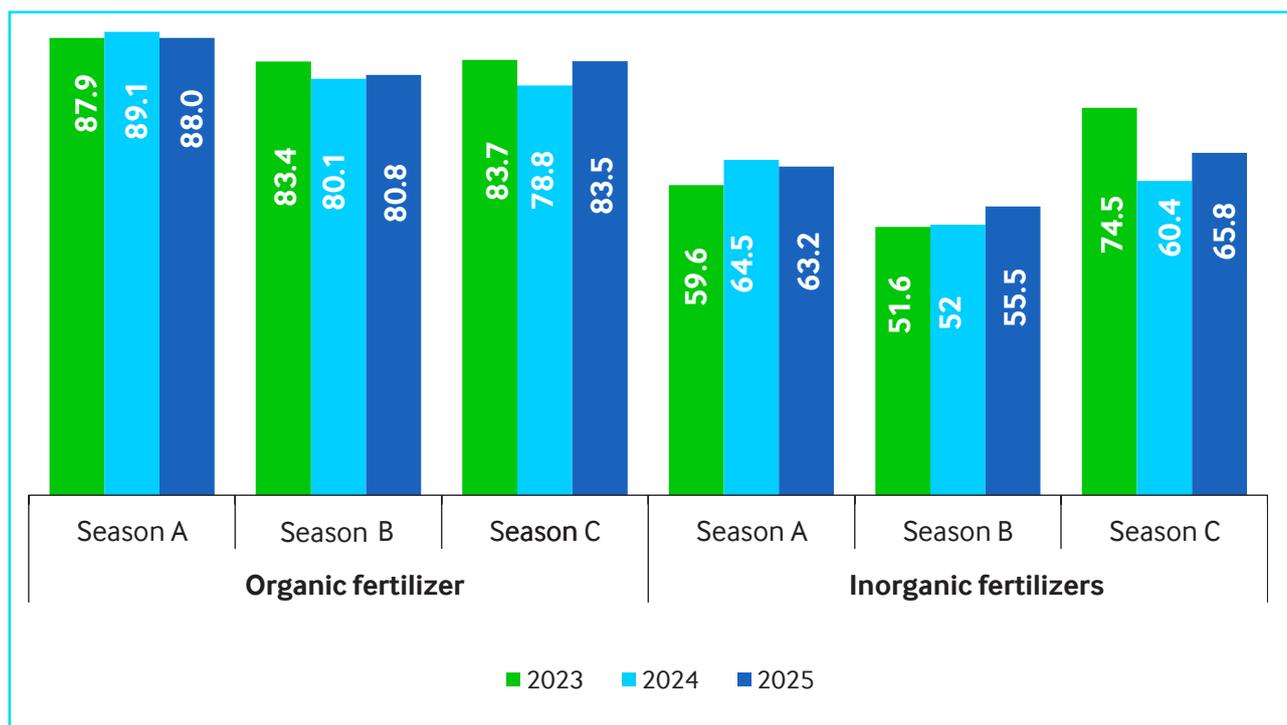
Source: NISR, SAS 2025

The application of organic fertilizers varied across the 2025 agricultural seasons. In season A, 88 % of farmers used organic fertilizers, with 88.3 % of small-scale farmers and 77.5% of large-scale farmers. In season B, 80.8 % of farmers reported organic fertilizers usage, with 81.2 % of small-scale farmers and 63.8 % of large-scale farmers. However, 83.5 % of farmers used organic fertilizers in season C of 2025.

The application of inorganic fertilizers varied across the 2025 agricultural seasons. In season A, 63.2 % of famers used inorganic fertilizers with 62.4 % of small-scale farmers and 91.9 % of large-scale farmers. Usage in season B was reported by 55.5 % of famers, with 54.8 % of small-scale farmers and 83.7 % of large-scale farmers applying fertilizers. In contrast, 65.8 % of farmers used inorganic fertilizers in season C of 2025. (See district details in table 44-57)

3.3.3. Use of pesticides

Figure 4: Percentage of farmers who used pesticides

	Season A	Season B	Season C
2023	34.5	29.7	69.3
2024	39.8	30.2	59.8
2025	41.9	36.6	67.0

Source: NISR, SAS 2025

Pesticide application among farmers varied across the 2025 agricultural seasons. In Season A, 41.9% of farmers used pesticides, comprising 40.6% of small-scale farmers and 86.9% of large-scale farmers. Usage decreased to 36.6% in Season B, with 35.6% of small-scale farmers and 77.7% of large-scale farmers using pesticides. The highest pesticide usage was observed in Season C, where 67% of farmers reported pesticide use. (Detailed data are presented in Tables 58–63).

3.4. Agricultural practices

Agricultural practices assessed include irrigation, mechanisation, erosion control measures and agroforestry adopted by farmers during the SAS 2025. The results are presented in terms of the percentage of farmers who applied such practices.

3.4.1. Irrigation practices

Figure 5: Farmers who practiced irrigation (%)

	Season A	Season B	Season C
■ 2023	10.3	9.6	64.6
■ 2024	7.5	12.1	58.2
■ 2025	13.4	11.5	58.9
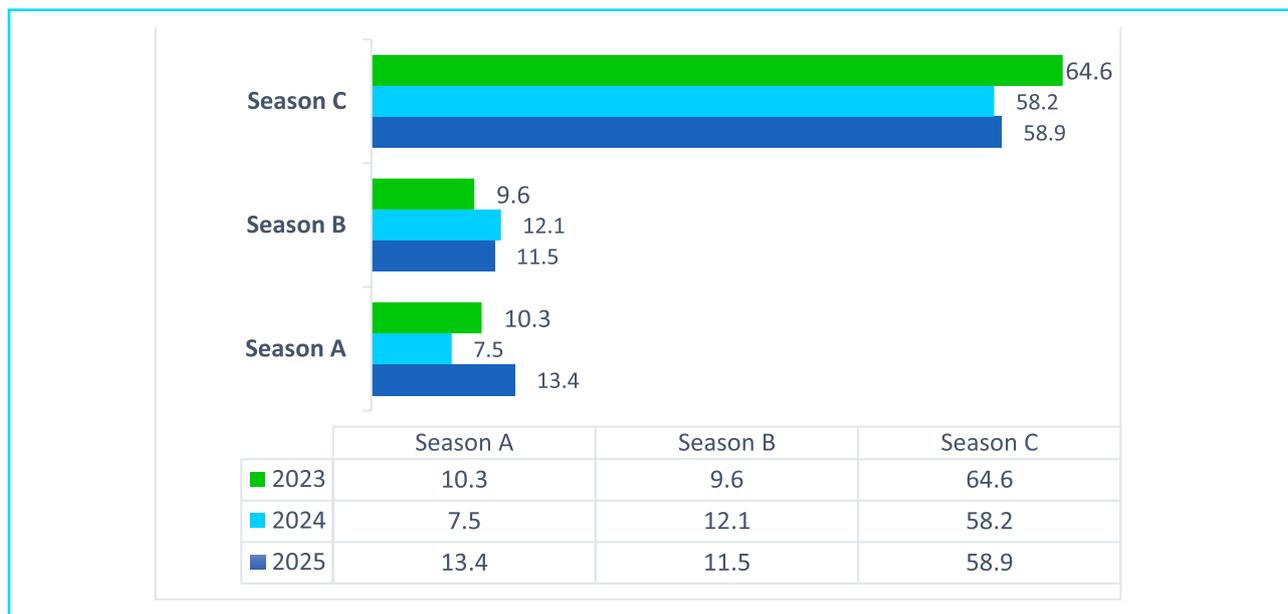
Source: NISR, SAS 2025

In season A of the 2025 agricultural year, irrigation was practiced by 13.4 % of farmers, compared to 11.5 % of farmers in season B and 58.9% in season C. During season A, irrigation was practiced by 12 % of small-scale farmers and 64.1 % for large-scale farmers, while in season B, irrigation was practiced by 10.3 % of small-scale farmers and 62% for large-scale farmers. Regarding the types of irrigation systems used, modern irrigation was practiced by 55.5 % of farmers in season A, and 59.3 % in season B. Conversely, traditional techniques were predominant during season C, utilized by 80% of farmers. (See details in Tables 64-75)

3.4.2. Erosion control measures

Figure 6: Farmers who protected land against erosion (%)

	Season A	Season B	Season C
■ 2023	92.1	91.6	94.8
■ 2024	90.6	89.2	92.9
■ 2025	90.3	89.9	94.7
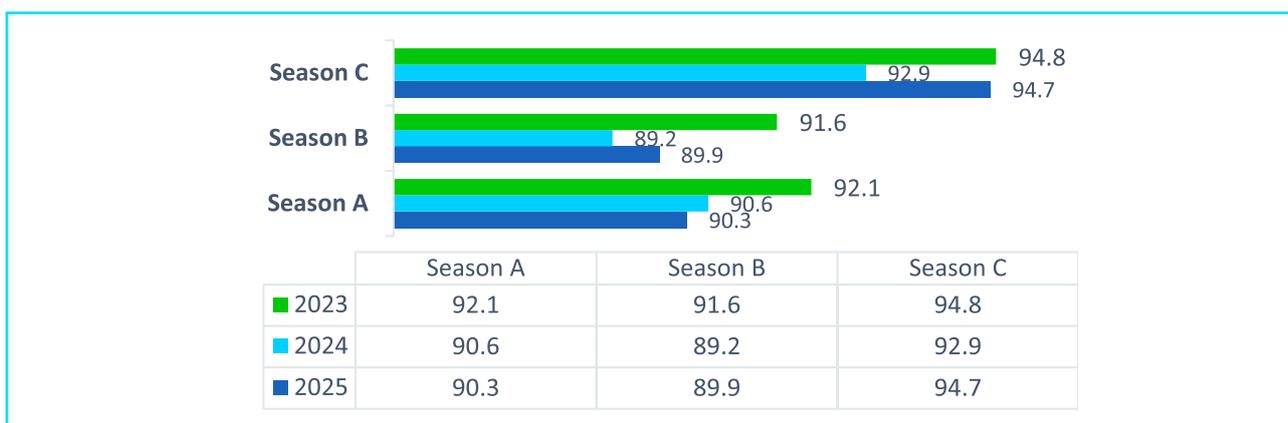
Source: NISR, SAS 2025

During the 2025 agricultural year the adoption of anti-erosion measures varied seasonally. In Season A, 90.3% of farmers applied anti-erosion activities, compared to 89.9% in Season B and 94.7% in Season C. The use of cover plants were the most prevalent anti-erosion method across all seasons, adopted by 56.7% of farmers in Season A, 56.4% in Season B, and 40.8% in Season C. Additionally, 46.2% of farmers practiced agroforestry in Season A, rising to 51% in Season B but dropping to 28% in Season C of 2025. In contrast, the use of mechanical equipment in agricultural activities remained minimal throughout the year. It was utilized by 0.9% of farmers in Season A, 0.7% in Season B, and 0.3% in Season C. (detailed data are presented in Tables 61—72).

3.5. Gross Value Added (GVA)

The Gross Value-Added value of different crops is demonstrated in constant 2017 prices. Results show the Gross Value Added per hectare for crops such as maize, paddy rice, beans and banana, have decreased in 2025 compared to 2024.

Table 8 : Main crops GVA in constant 2017 prices (Frw /ha)

Crops	2017	2018	2019	2020	2021	2022	2023	2024	2025
Maize	309,457	365,527	373,066	389,059	387,754	390,303	407,284	468,156	455,212
Sorghum	296,000	298,689	274,485	280,068	299,996	302,122	323,073	337,745	294,679
Paddy rice	1,633,520	1,492,544	1,718,397	1,691,890	1,799,480	1,799,248	1,757,086	1,764,837	1,760,822
Wheat	282,068	306,210	329,278	289,132	303,795	321,878	348,790	353,248	236,723
Cassava	305,145	1,377,459	1,629,739	1,642,935	1,653,322	1,648,255	1,597,292	1,566,447	1,589,152
Sweet potato	784,244	899,497	890,254	932,227	903,969	950,888	966,903	1,020,942	1,059,622
Irish potato	1,713,831	1,444,199	1,700,490	1,544,227	1,551,234	1,425,235	1,421,940	1,487,821	1,499,369
Cooking banana	199,565	3,715,919	3,623,122	3,180,479	3,089,892	3,119,720	3,130,968	3,144,537	3,134,223
Dessert banana	117,981	2,163,072	1,481,763	1,162,979	1,162,822	1,132,818	1,154,426	1,168,674	1,130,323
Banana for beer	102,332	1,122,757	879,672	931,198	958,935	974,510	1,009,727	1,043,529	1,046,908
Beans	391,605	410,264	391,121	318,642	334,063	333,464	334,969	340,775	335,525
Pea	1,060,761	964,611	1,049,992	1,365,309	1,355,647	1,284,987	1,059,662	1,085,232	963,758
Groundnut	187,362	221,069	183,218	187,008	186,608	185,329	187,590	193,099	153,291
Soybean	52,694	48,631	61,358	57,232	55,754	60,963	48,952	59,482	54,877

Source: NISR, SAS 2025

Table 9 : 2025 Season A_Agricultural land use per district (,000Ha)

District	Total land area	Agricultural land	% of agricultural land	Arable land	Physical cultivated land	Area under seasonal crops	Area under permanent crops	Temporary fallow land	Temporarily meadow and pasture	Area under permanent pasture
Nyarugenge	13.1	5.7	43.5	3.82	4.74	2.92	3.07	0.83	0.08	0.13
Gasabo	42.7	21.7	50.7	18.93	18.10	15.08	9.32	3.37	0.54	0.20
Kicukiro	16.6	5.4	32.5	4.82	4.71	4.18	2.18	0.61	0.04	0.07
Nyanza	67.0	45.5	67.8	42.86	41.09	38.48	12.00	4.11	0.32	0.29
Gisagara	67.5	47.4	70.2	45.70	39.95	38.88	13.73	6.82	-	0.59
Nyaruguru	101.0	35.9	35.5	31.26	27.73	23.41	8.78	7.16	0.69	0.55
Huye	58.1	34.6	59.5	32.56	30.68	28.58	9.78	3.89	0.10	0.00
Nyamagabe	109.1	45.7	41.9	39.37	37.77	31.53	13.33	7.60	0.18	-
Ruhango	62.6	44.4	70.9	38.17	38.61	32.07	13.18	5.75	0.23	-
Muhanga	64.1	39.7	61.9	34.23	33.50	27.64	15.41	6.13	0.40	0.05
Kamonyi	65.8	48.5	73.8	41.81	44.23	37.56	17.46	4.14	0.11	0.17
Karongi	78.8	43.2	54.8	34.82	37.95	29.38	19.11	4.93	0.45	-
Rutsiro	66.1	34.3	51.9	26.50	29.66	21.94	13.86	4.16	0.40	0.31
Rubavu	33.9	24.4	71.9	22.62	20.91	19.76	4.49	2.72	0.15	0.70
Nyabihu	54.0	31.4	58.0	29.89	29.11	28.03	3.22	1.72	0.10	0.37
Ngororero	66.7	43.7	65.6	38.66	37.43	32.22	14.64	6.17	0.22	-
Rusizi	91.6	39.0	42.6	34.41	36.89	32.12	12.97	2.07	0.21	-
Nyamasheke	94.8	39.4	41.5	32.44	36.75	30.07	13.52	2.17	0.12	0.06
Rulindo	56.6	33.3	58.9	27.44	28.96	23.11	13.28	4.22	0.12	-
Gakenke	70.0	45.7	65.2	40.36	39.47	33.92	15.68	6.19	0.25	-
Musanze	50.9	30.7	60.3	29.67	29.02	27.75	4.13	1.53	0.35	0.15
Burera	58.4	36.1	61.9	35.32	32.22	30.81	2.93	3.92	0.60	-
Gicumbi	82.5	52.0	63.1	47.53	46.24	41.80	15.59	5.01	0.72	0.51
Rwamagana	65.1	45.8	70.4	38.35	40.53	34.26	17.85	3.30	0.82	2.02
Nyagatare	191.5	146.8	76.7	87.77	82.79	75.94	72.95	11.20	0.63	52.85
Gatsibo	153.3	80.0	52.2	64.01	68.12	60.24	37.09	3.39	0.23	8.45
Kayonza	180.0	92.2	51.2	65.31	60.09	54.11	42.02	10.22	1.01	21.90
Kirehe	114.2	73.8	64.7	66.10	68.18	61.05	26.70	4.85	0.20	0.77
Ngoma	80.3	56.1	69.9	49.97	50.81	46.46	24.28	3.30	0.21	1.97
Bugesera	120.2	76.6	63.8	66.52	62.34	55.76	19.24	10.27	0.33	4.14
National	2,376	1,399	59	1,171	1,159	1,019	492	142	10	96

Source: NISR, SAS 2025

Table 10 : 2025 Season B_Agricultural land use per district (,000Ha)

District	Total land area	Agricultural land	% of agricultural land	Arable land	Physical cultivated land	Area under seasonal crops	Area under permanent crops	Temporary fallow land	Temporarily meadow and pasture	Area under permanent pasture
Nyarugenge	13.1	5.7	43.4	3.85	4.58	2.72	2.91	1.05	0.08	0.05
Gasabo	42.7	20.3	47.5	17.48	17.98	15.06	8.92	2.04	0.48	0.26
Kicukiro	16.6	6.2	37.2	5.34	4.99	4.13	2.44	1.16	0.05	0.02
Nyanza	67.0	49.0	73.1	47.04	43.60	41.77	14.90	5.04	0.12	0.38
Gisagara	67.5	48.7	72.2	47.37	41.11	40.01	13.37	7.37	-	0.24
Nyaruguru	101.0	40.0	39.6	31.82	33.33	24.95	13.39	6.25	0.62	0.39
Huye	58.1	35.8	61.7	34.11	32.22	30.57	10.70	3.49	0.05	0.99
Nyamagabe	109.1	48.9	44.8	40.47	41.71	33.09	17.69	7.20	0.24	-
Ruhango	62.6	46.1	73.7	40.67	40.32	34.31	13.26	5.83	0.44	-
Muhanga	64.1	39.7	61.9	33.83	32.77	26.20	16.19	6.92	0.71	0.00
Kamonyi	65.8	48.9	74.4	42.98	44.32	38.49	18.65	4.37	0.23	0.23
Karongi	78.8	47.0	59.6	36.38	41.72	30.85	23.80	5.24	0.39	0.06
Rutsiro	66.1	35.6	53.8	26.04	29.97	20.39	16.03	5.22	0.43	3.87
Rubavu	33.9	23.5	69.3	21.58	21.83	20.52	5.09	0.92	0.15	1.76
Nyabihu	54.0	33.9	62.8	30.97	29.20	26.47	5.23	4.36	0.14	4.98
Ngororero	66.7	44.5	66.7	37.53	36.69	29.36	16.10	7.72	0.33	3.08
Rusizi	91.6	38.9	42.4	33.70	36.88	31.50	13.01	1.99	0.26	-
Nyamasheke	94.8	41.9	44.2	31.57	39.61	29.25	17.64	2.14	0.18	0.12
Rulindo	56.6	35.9	63.4	27.75	31.44	23.14	16.43	4.44	0.18	-
Gakenke	70.0	44.2	63.2	38.83	37.67	32.13	15.96	6.57	0.12	-
Musanze	50.9	29.6	58.1	28.13	25.00	23.57	4.42	4.48	0.08	0.11
Burera	58.4	38.1	65.2	37.31	31.91	30.50	3.45	6.19	0.54	-
Gicumbi	82.5	53.3	64.7	46.37	47.42	40.39	19.16	5.42	0.57	0.51
Rwamagana	65.1	45.8	70.3	39.32	40.19	34.56	17.67	3.91	0.83	1.67
Nyagatare	191.5	146.7	76.6	89.37	86.74	78.93	72.03	9.94	0.50	50.00
Gatsibo	153.3	79.2	51.7	64.45	67.97	60.97	37.11	2.98	0.59	8.25
Kayonza	180.0	87.8	48.8	65.02	61.48	56.19	38.01	7.91	0.91	18.43
Kirehe	114.2	73.9	64.7	63.71	67.54	58.26	28.25	5.32	0.20	1.01
Ngoma	80.3	57.4	71.5	49.32	51.94	45.96	25.46	3.15	0.24	2.33
Bugesera	120.2	76.6	63.8	70.27	63.59	57.88	16.40	11.31	0.56	1.75
National	**2,376**	**1,423**	**60**	**1,183**	**1,186**	**1,022**	**524**	**150**	**10**	**100**

Source: NISR, SAS 2025

Table 11: 2025 Season A_Area under agricultural practices

District	Modern irrigated agricultural land (Ha)	Agricultural area under erosion control	Agricultural area under agroforestry trees	Agricultural area under fertilizer application	
				Inorganic fertilizer	Organic fertilizer
Nyarugenge	16	3,415	1,330	488	1,582
Gasabo	618	13,765	9,886	4,960	10,383
Kicukiro	189	2,452	2,788	1,363	2,333
Nyanza	648	38,225	20,699	7,318	23,051
Gisagara	2,883	29,178	18,940	15,371	24,772
Nyaruguru	46	30,454	9,262	13,876	19,340
Huye	1,208	25,697	9,488	8,353	20,531
Nyamagabe	30	35,146	18,501	14,104	24,754
Ruhango	1,220	32,398	13,445	5,236	19,168
Muhanga	529	30,652	18,051	5,614	23,894
Kamonyi	429	40,481	23,797	6,587	23,837
Karongi		33,512	16,111	11,665	21,953
Rutsiro	105	26,548	14,385	10,064	19,237
Rubavu		19,096	8,489	9,480	7,702
Nyabihu		28,705	12,019	13,831	19,427
Ngororero		38,573	16,386	13,177	26,641
Rusizi	1,816	28,182	16,987	20,160	20,738
Nyamasheke	799	27,578	15,938	15,785	22,961
Rulindo	1,295	28,617	14,258	9,726	19,952
Gakenke	315	43,070	16,060	18,227	31,633
Musanze	3	19,751	14,456	14,312	19,643
Burera		30,748	10,140	13,868	24,004
Gicumbi	384	45,429	24,224	13,858	34,845
Rwamagana	2,392	32,947	25,369	16,914	25,555
Nyagatare	3,989	83,580	94,744	42,293	38,036
Gatsibo	2,441	60,814	36,758	30,815	44,465
Kayonza	2,855	43,189	29,816	21,725	31,782
Kirehe	2,904	44,688	45,622	33,559	42,908
Ngoma	1,135	35,618	28,516	18,020	31,947
Bugesera	2,040	40,981	43,761	14,920	23,488
National	**30,290**	**993,486**	**630,226**	**425,667**	**700,563**

Source: NISR, SAS 2025

Table 12: 2025 Season B_Area under agricultural practices

District	Modern irrigated agri-cultural land (Ha)	Agricultural area under erosion control	Agricultural area under agroforestry trees	Agricultural area under fertilizer application	
				Inorganic fertilizer	Organic fertilizer
Nyarugenge	-	2,305	852	420	1,442
Gasabo	300	13,205	8,850	4,770	9,698
Kicukiro	188	1,798	3,111	1,010	1,651
Nyanza	686	42,210	25,993	4,405	18,625
Gisagara	3,307	30,291	20,236	9,953	20,035
Nyaruguru	24	30,828	12,259	12,456	17,784
Huye	1,267	29,338	12,027	5,441	23,441
Nyamagabe	163	37,470	20,876	13,732	25,068
Ruhango	1,023	41,113	20,011	3,900	21,637
Muhanga	128	35,264	19,929	4,174	20,038
Kamonyi	890	39,754	27,142	5,853	21,539
Karongi	2	33,970	20,037	10,112	22,103
Rutsiro	52	25,144	14,230	9,247	17,332
Rubavu	138	18,848	8,290	12,005	8,578
Nyabihu	-	29,853	16,780	16,631	19,145
Ngororero	-	40,768	19,805	12,377	22,959
Rusizi	1,671	27,552	18,518	14,077	15,067
Nyamasheke	444	28,252	18,691	13,688	19,903
Rulindo	655	29,114	15,727	9,079	19,795
Gakenke	20	41,248	20,233	15,067	27,403
Musanze	-	20,204	16,964	11,002	15,663
Burera	-	35,277	16,173	13,741	24,215
Gicumbi	64	45,917	23,291	14,163	32,639
Rwamagana	2,048	34,443	26,904	12,528	18,572
Nyagatare	2,918	83,912	102,013	47,814	35,828
Gatsibo	2,022	62,496	45,328	25,636	36,700
Kayonza	2,523	53,024	36,588	18,047	24,673
Kirehe	2,298	46,990	47,679	16,829	18,636
Ngoma	1,165	34,801	30,770	7,574	14,702
Bugesera	3,948	40,439	37,931	16,481	22,269
National	**27,945**	**1,035,829**	**707,236**	**362,212**	**597,139**

Source: NISR, SAS 2025

Table 13 : 2025 Season A_Cultivated area by crop type and district (Ha)

District	Maize	Sorghum	Paddy rice	Wheat	Other cereals	Cassava	Sweet potato	Irish potato	Yams & Taro	Banana	Cooking banana	Dessert banana	Banana for beer	Beans	Bush bean	Climbing bean	Pea	Groundnut	Soybean	Vegetables	Fruits	Fodder Crops	Other crops	Total developed land
Nyarugenge	679	-	-	-	-	1,001	358	60	117	1,755	599	306	850	1,705	1,664	41	-	9	78	152	-	76	1,033	7,025
Gasabo	3,298	-	305	-	4	3,790	952	527	180	5,501	2,378	1,370	1,753	6,631	6,479	152	41	129	224	845	632	443	496	23,998
Kicukiro	1,168	-	85	-	-	912	489	-	67	1,185	531	155	499	1,370	1,351	20	-	10	62	75	124	34	86	5,668
Nyanza	5,698	554	480	-	63	17,925	2,106	311	330	8,665	2,488	1,451	4,726	13,514	11,822	1,692	208	391	1,970	414	45	278	1,180	54,131
Gisagara	6,832	1,048	2,595	-	212	11,527	2,170	285	779	12,054	3,102	2,531	6,421	15,111	13,571	1,540	12	223	1,750	642	155	-	996	56,391
Nyaruguru	4,235	37	45	188	16	5,505	4,361	2,526	1,109	4,915	1,597	999	2,319	8,375	1,600	6,775	266	-	596	154	91	631	3,329	36,378
Huye	4,607	-	980	-	107	10,967	2,358	441	210	6,335	1,939	1,963	2,433	12,972	8,866	4,106	169	50	2,017	489	1,636	95	869	44,301
Nyamagabe	6,188	-	29	56	-	9,282	5,715	3,324	1,472	7,602	2,157	934	4,511	10,330	2,628	7,702	989	-	1,272	519	88	277	4,998	52,141
Ruhango	4,093	154	971	-	52	17,642	2,012	171	993	7,762	1,291	1,295	5,176	9,850	7,822	2,028	27	288	3,120	411	58	348	2,028	49,981
Muhanga	2,162	-	135	-	96	11,491	3,904	409	3,133	17,040	3,372	2,240	11,427	7,198	3,745	3,453	115	12	2,571	311	209	332	965	50,084
Kamonyi	5,532	-	208	-	6	13,154	1,949	465	803	10,888	1,457	1,742	7,689	12,996	10,991	2,005	60	983	3,065	1,101	217	80	2,481	53,986
Karongi	6,945	-	-	-	-	9,921	3,926	753	2,170	11,085	2,979	1,441	6,666	6,549	1,882	4,668	137	39	1,516	811	210	398	2,827	47,286
Rutsiro	6,120	16	-	-	-	1,902	2,615	2,951	1,439	7,365	2,086	1,265	4,013	4,005	561	3,444	469	-	870	319	122	436	3,716	32,346
Rubavu	2,304	-	-	-	-	330	774	5,477	245	2,519	1,090	295	1,134	8,384	871	7,512	396	-	257	1,850	15	183	2,071	24,806
Nyabihu	3,148	495	-	181	-	708	2,446	8,713	29	1,335	357	276	702	8,715	275	8,440	631	-	14	648	238	107	2,374	29,782
Ngororero	3,581	335	-	190	-	6,816	4,893	1,736	2,282	10,943	1,904	1,907	7,132	12,047	1,060	10,987	452	-	1,666	743	72	223	1,741	47,718
Rusizi	7,740	250	1,491	-	-	15,025	1,364	290	1,137	6,824	2,765	635	3,424	12,577	11,106	1,471	51	272	482	1,151	2,156	118	3,070	53,998
Nyamasheke	5,698	21	379	-	172	16,573	4,070	149	2,529	6,639	2,091	915	3,633	7,316	1,766	5,551	76	487	916	860	458	172	5,687	52,202
Rulindo	4,592	-	17	2	-	4,270	2,970	1,497	138	6,391	1,823	1,341	3,227	9,268	4,118	5,150	352	46	395	1,183	217	73	3,888	35,299
Gakenke	8,533	-	17	-	440	8,521	6,198	1,168	2,000	14,043	2,966	2,017	9,060	10,228	1,946	8,282	655	202	695	522	418	212	1,810	55,662
Musanze	5,884	1,423	-	562	-	174	1,539	4,822	46	2,298	829	589	880	9,136	281	8,855	198	-	51	824	323	373	1,196	28,849
Burera	9,651	1,419	-	645	-	108	3,836	4,357	33	2,024	934	137	954	10,502	549	9,953	1,706	-		310	54	564	135	35,343
Gicumbi	5,842	725	-	408	170	3,446	7,494	3,712	223	6,365	2,807	1,477	2,081	17,275	3,955	13,320	1,824	365	304	953	273	681	1,810	51,869
Rwamagana	10,449	6	503	-	20	6,553	1,862	1,172	260	12,451	7,068	1,795	3,587	13,726	13,447	279	28	1,087	557	1,350	703	1,431	1,899	54,060
Nyagatare	30,096	15,085	2,237	-	572	3,945	1,498	753	89	11,461	6,209	1,557	3,695	13,836	12,381	1,455	223	1,254	1,140	513	158	480	891	84,230
Gatsibo	22,199	5,552	1,697	74	191	9,467	2,073	2,431	84	22,828	12,821	2,902	7,105	19,282	16,724	2,558	299	686	855	971	102	333	3,242	92,366
Kayonza	17,773	5,279	1,806	25	431	21,305	1,673	2,415	447	12,824	8,663	1,757	2,404	14,530	14,212	318	112	327	667	1,166	2,541	590	1,281	85,192
Kirehe	23,652	3,536	964	62	96	6,249	1,487	1,655	557	19,337	11,903	1,230	6,204	19,241	17,695	1,546	277	436	887	610	88	175	4,565	83,871
Ngoma	15,801	775	892	-	900	19,020	1,758	1,607	170	18,210	10,421	2,337	5,451	15,628	14,395	1,233	99	660	601	642	1,946	208	1,642	80,559
Bugesera	9,597	3,644	1,475	-	23	10,308	3,606	308	82	9,909	3,604	1,680	4,624	14,849	14,752	98	9	2,875	765	241	671	462	1,826	60,652
National	244,095	40,353	17,312	2,391	3,571	247,839	82,458	54,485	23,150	268,552	104,232	40,540	123,780	327,147	202,513	124,635	9,882	10,832	29,361	20,780	14,021	9,813	64,132	1,470,174
SSF	236,890	40,320	318	2,349	3,537	247,793	82,444	54,282	23,150	268,423	104,130	40,523	123,771	326,808	202,229	124,580	9,854	10,830	28,610	20,577	13,499	9,431	63,153	1,442,268
LSF	7,206	33	16,994	42	33	46	13	203	-	129	103	17	9	339	284	55	27	3	752	203	522	382	979	27,906

Source: NISR, SAS 2025

Table 14: 2025 Season B_Cultivated area by crop type and district (Ha)

District	Maize	Sorghum	Paddy rice	Wheat	Other cereals	Cassava	Sweet potato	Irish potato	Yams & Taro	Banana	Cooking banana	Dessert banana	Banana for beer	Beans	Bush bean	Climbing bean	Pea	Groundnut	Soybean	Vegetables	Fruits	Fodder Crops	Other crops	Total developed land
Nyarugenge	429	305	-	-	-	671	181		87	1,663	405	324	934	1,564	1,502	62	-	-	179	126	-	77	1,762	7,044
Gasabo	1,224	3,016	283	-	-	2,732	1,604	387	173	4,285	1,372	1,220	1,694	4,210	3,862	349	20	124	341	784	186	398	935	20,705
Kicukiro	491	682	78	-	-	245	224	2	226	848	237	184	427	1,542	1,533	9	27	43	75	142	98	49	426	5,198
Nyanza	2,673	5,052	659	-	89	8,700	2,025	246	679	5,520	1,372	1,191	2,957	13,054	10,782	2,272	208	979	2,237	448	104	230	1,348	44,250
Gisagara	2,397	3,462	3,218	-	405	13,178	2,895	136	513	7,190	1,470	1,785	3,934	13,718	11,770	1,949	24	697	3,146	499	192	-	990	52,660
Nyaruguru	248	3,046	42	298	26	5,798	5,452	1,967	540	3,302	678	759	1,865	7,756	948	6,808	290	13	1,131	582	141	501	3,857	34,990
Huye	1,029	4,096	1,047	-	327	5,690	2,793	168	136	4,965	1,641	1,132	2,192	9,295	5,928	3,366	275	134	2,189	718	739	49	1,256	34,905
Nyamagabe	1,015	4,155	30	2,248	-	6,591	7,289	1,705	1,113	5,509	708	700	4,101	7,409	800	6,608	922	-	870	472	88	226	5,384	45,025
Ruhango	946	2,087	878	-	55	19,774	3,170	71	855	6,055	452	1,000	4,603	11,596	8,531	3,066	106	1,917	3,701	397	17	518	1,778	53,921
Muhanga	914	73	121	128	-	14,086	4,540	197	2,623	15,643	2,516	2,002	11,125	6,550	2,507	4,044	150	52	2,180	411	268	641	1,070	49,646
Kamonyi	2,020	3,183	268	-	11	13,965	3,166	360	875	11,776	1,717	1,696	8,364	10,613	8,764	1,848	111	857	3,853	938	271	80	2,645	54,993
Karongi	691	2,128	-	60	-	6,761	5,047	193	1,056	9,979	1,427	1,354	7,197	7,863	1,821	6,041	336	157	1,691	868	159	302	2,387	39,676
Rutsiro	1,575	154	-	-	-	2,017	2,749	3,482	546	6,717	1,705	1,146	3,866	5,615	682	4,932	505	-	1,114	315	241	383	3,636	29,048
Rubavu	1,770	150	-	-	-	390	1,606	6,133	163	2,520	1,007	297	1,216	5,222	658	4,564	660	-	567	2,647	19	234	1,722	23,803
Nyabihu	4,218		-	1,375	-	476	2,839	7,808	38	1,134	334	319	480	2,959	69	2,890	566	-	48	799	451	152	2,559	25,421
Ngororero	3,721		-	1,425	-	5,182	5,861	1,269	2,081	9,708	771	1,637	7,300	5,726	578	5,148	381	-	1,559	382	254	388	1,742	39,680
Rusizi	1,041	64	1,453	-	-	17,762	2,152	60	429	4,719	1,796	491	2,433	11,174	8,108	3,067	35	286	1,029	715	1,715	232	2,726	45,594
Nyamasheke	521	-	384	-	-	10,495	3,972	10	946	5,454	1,352	715	3,388	7,273	1,326	5,948	76	876	1,546	656	447	112	5,479	38,250
Rulindo	1,197	4,239	18	73	-	5,089	3,233	1,236	147	6,695	1,936	1,393	3,366	8,906	3,366	5,540	351	-	154	1,225	204	92	4,523	37,381
Gakenke	1,467	314	17	235	-	6,592	6,296	933	1,468	15,107	3,234	2,367	9,506	11,527	1,050	10,477	313	-	686	583	522	125	1,908	48,093
Musanze	2,427	1,909	-	1,371	-	199	2,149	4,537	165	2,049	906	484	659	7,703	344	7,359	237	-	26	1,175	142	69	1,838	25,995
Burera	2,430	5,833	-	631	-	71	3,920	4,708	85	2,061	985	140	937	10,604	533	10,071	1,112	-	46	604	241	528	660	33,536
Gicumbi	2,248	9,830	-	1,020	78	3,170	4,754	2,361	166	6,761	2,848	1,619	2,294	14,979	3,505	11,474	807	127	232	681	204	566	1,783	49,767
Rwamagana	4,245	6,425	512	-	28	5,419	1,821	660	389	11,504	6,457	1,821	3,226	12,640	12,340	300	97	1,551	617	1,025	578	785	1,282	49,579
Nyagatare	25,702	4,724	2,198	81	16	3,375	1,460	661	120	11,231	5,778	1,296	4,157	29,778	28,229	1,549	8	1,644	2,214	744	249	564	828	85,600
Gatsibo	9,350	7,655	1,698	351	271	1,821	2,886	2,139	518	21,071	11,618	2,783	6,670	19,138	16,572	2,566	89	1,825	1,877	770	74	452	2,603	74,590
Kayonza	6,413	12,919	1,754	-	680	12,019	1,544	2,138	490	11,491	7,625	1,461	2,405	20,997	20,724	272	61	443	553	663	2,169	784	1,185	76,306
Kirehe	2,339	10,205	921	-	518	7,328	1,262	1,353	1,306	17,592	10,183	1,206	6,203	23,626	15,974	7,652	265	1,033	1,238	443	138	267	5,099	74,933
Ngoma	1,827	7,869	950	-	1,166	7,540	1,296	658	247	15,774	9,356	1,599	4,819	19,955	17,269	2,686	58	1,244	1,383	326	1,340	206	1,737	63,575
Bugesera	6,436	3,621	1,440	-	86	9,748	1,493	363	393	9,795	3,333	1,712	4,750	22,058	21,897	161	0	3,801	1,669	562	692	982	1,224	64,361
National	93,005	107,195	17,970	9,298	3,757	196,881	89,679	45,940	18,573	238,119	85,221	35,832	117,067	335,052	211,974	123,078	8,089	17,803	38,152	20,699	11,945	9,993	66,373	1,328,523
SSF	91,111	107,127	237	9,212	3,714	196,839	89,660	45,686	18,572	237,985	85,117	35,809	117,059	333,485	210,434	123,051	8,028	17,802	37,256	20,566	11,426	9,723	65,266	1,303,695
LSF	1,894	68	17,733	85	42	43	19	254	1	134	104	23	8	1,567	1,540	27	61	1	896	133	519	270	1,107	24,828

Source: NISR, SAS 2025

Table 15: 2025 Season C _Cultivated area by crop type per district (ha)

District/ Crop	Sweet potato	Irish potato	Bean	Bush bean	Climbing bean	Pea	Soybean	Groundnut	vegetables	Developed land
Nyarugenge	25	4	21	21	-	-	20	-	50	120
Gasabo	8	-	-	-	-	-	-	-	270	278
Kicukiro	40	-	64	64	-	1	4	6	36	151
Nyanza	133	11	156	144	12	275	163	5	160	903
Gisagara	263	33	633	633	-	14	27	6	347	1,324
Nyaruguru	460	75	203	203	-	5	-	-	86	829
Huye	209	38	193	193	-	29	-	-	248	716
Nyamagabe	112	150	8	8	-	18	22	-	44	354
Ruhango	308	8	59	45	15	8	-	-	116	498
Muhanga	227	138	73	73	-	45	66	-	259	809
Kamonyi	122	-	156	156	-	16	35	-	273	602
Karongi	107	85	-	-	-	24	-	-	128	343
Rutsiro	66	223	-	-	-	13	-	-	12	314
Rubavu	310	610	17	17	-	34	-	-	804	1,775
Nyabihu	216	3,646	26	-	26	-	-	-	300	4,188
Ngororero	101	39	1	1	-	-	64	-	21	225
Rusizi	93	11	56	56	-	7	-	-	260	427
Nyamasheke	106	-	-	-	-	-	-	-	64	170
Rulindo	96	138	3	3	-	-	21	-	116	374
Gakenke	196	30	-	-	-	-	51	-	30	307
Musanze	189	2,172	93	63	30	28	-	-	257	2,739
Burera	345	2,518	-	-	-	56	-	-	89	3,008
Gicumbi	95	268	57	57	-	-	-	-	58	478
Rwamagana	34	6	31	31	-	-	0	2	339	411
Nyagatare	101	11	-	-	-	-	-	-	237	348
Gatsibo	120	18	34	34	-	-	-	-	191	364
Kayonza	86	63	-	-	-	-	60	-	233	442
Kirehe	176	51	28	28	-	-	-	-	178	433
Ngoma	72	8	330	307	22	5	9	-	127	551
Bugesera	121	37	895	895	-	12	100	2	463	1,630
National	**4,539**	**10,389**	**3,136**	**3,031**	**106**	**590**	**643**	**21**	**5,796**	**25,113**

Source: NISR, SAS 2025

Table 16: 2025 Season A_Harvested area by crop type and district (Ha)

District	Maize	Sorghum	Paddy rice	Wheat	Other cereals	Cassava	Sweet potato	Irish potato	Yarms & Taro	Bananas	Cooking banana	Dessert banana	Banana for beer	Beans	Bush bean	Climbing bean	Pea	Groundnut	Soybean	vegetables	Fruits	Fodder crops	Other crops	Total Developed land
Nyarugenge	679	-	-	-	-	187	286	60	-	774	217	151	406	1,705	1,664	41	-	9	78	123	-	76	28	4,005
Gasabo	3,298	-	306	-	4	949	940	527	88	2,209	882	427	900	6,631	6,479	152	41	129	224	845	125	372	95	16,783
Kicukiro	1,168	-	85	-	-	44	446	-	51	539	199	77	263	1,370	1,351	20	-	10	62	71	58	34	45	3,984
Nyanza	5,659	554	466	-	63	4,299	2,105	311	330	3,240	1,125	505	1,610	13,514	11,822	1,692	208	391	1,970	415	2	278	-	33,803
Gisagara	6,772	1,048	2,621	-	212	1,086	2,164	285	257	3,718	1,024	643	2,051	15,111	13,571	1,540	12	223	1,750	642	23	-	-	35,923
Nyaruguru	4,152	37	45	188	16	903	4,015	2,526	442	1,585	456	296	833	8,375	1,600	6,775	266	-	596	154	13	575	16	23,904
Huye	4,388	-	972	-	107	1,111	2,305	441	156	2,371	754	654	962	12,933	8,853	4,080	169	50	2,017	436	1,117	49	-	28,623
Nyamagabe	5,182	-	29	51	-	912	5,376	3,324	319	2,888	547	388	1,953	10,329	2,628	7,701	988	-	1,272	442	81	216	277	31,688
Ruhango	3,891	154	971	-	52	4,177	1,604	171	614	3,272	509	501	2,263	9,850	7,822	2,028	27	288	3,120	406	-	232	343	29,172
Muhanga	2,141	-	135	-	96	1,673	3,904	409	2,149	6,628	1,125	701	4,802	7,198	3,745	3,453	115	12	2,571	238	198	280	278	28,025
Kamonyi	5,533	-	205	-	6	2,426	1,949	465	280	4,570	526	637	3,407	12,996	10,991	2,005	60	983	3,065	1,030	56	80	468	34,169
Karongi	6,901	-	-	-	-	1,096	3,786	753	1,014	4,752	828	585	3,340	6,549	1,882	4,668	137	39	1,516	648	178	338	211	27,918
Rutsiro	6,120	16	-	-	-	178	2,615	2,951	1,007	2,840	650	447	1,743	4,005	561	3,444	469	-	870	319	52	436	571	22,450
Rubavu	2,235	-	-	-	-	-	572	5,478	126	1,061	397	130	534	8,384	871	7,512	396	-	257	1,798	9	133	1,398	21,846
Nyabihu	3,089	495	-	181	-	225	2,374	8,713	-	501	98	112	291	8,715	275	8,440	631	-	14	648	108	107	1,808	27,609
Ngororero	3,581	335	-	190	-	1,261	4,868	1,736	916	4,916	726	732	3,458	12,047	1,060	10,987	452	-	1,666	737	-	117	36	32,857
Rusizi	7,740	250	1,470	-	-	945	1,364	290	1,063	2,286	835	181	1,270	12,577	11,106	1,471	51	272	482	1,151	508	118	163	30,730
Nyamasheke	5,698	21	370	-	172	2,824	2,806	149	1,488	2,768	860	320	1,588	7,316	1,766	5,551	76	487	916	801	116	77	335	26,420
Rulindo	4,551	-	17	2	-	688	2,970	1,495	62	2,765	649	491	1,625	9,267	4,118	5,150	352	46	395	1,160	63	26	82	23,942
Gakenke	8,495	-	17	-	440	1,134	6,198	1,168	1,516	6,081	1,097	735	4,249	10,228	1,946	8,282	655	202	695	522	297	212	394	38,254
Musanze	5,884	1,423	-	560	-	24	1,532	4,805	-	925	278	249	398	9,129	281	8,847	199	-	51	814	151	373	1,053	26,922
Burera	9,599	1,419	-	645	-	65	3,668	4,357	33	738	311	42	385	10,502	549	9,953	1,706	-	-	310	5	482	108	33,637
Gicumbi	5,835	725	-	408	170	701	7,379	3,710	48	2,487	991	575	921	17,274	3,955	13,318	1,824	365	304	861	109	493	127	42,818
Rwamagana	10,480	6	509	-	20	1,009	1,861	1,172	124	5,379	3,255	910	1,213	13,725	13,446	279	28	1,087	557	1,352	187	1,319	424	39,239
Nyagatare	30,132	15,085	2,238	-	572	908	1,490	754	89	5,648	2,999	763	1,886	13,837	12,383	1,455	223	1,254	1,140	499	36	256	4	74,166
Gatsibo	22,286	5,552	1,688	74	191	1,222	1,973	2,431	84	10,621	6,222	1,469	2,930	19,281	16,723	2,558	299	685	855	816	15	331	-	68,405
Kayonza	17,798	5,278	1,806	25	431	2,882	1,673	2,415	283	5,084	3,450	664	970	14,529	14,211	318	112	327	667	1,123	379	588	120	55,521
Kirehe	23,719	3,483	962	62	96	1,921	1,440	1,655	220	8,254	4,756	601	2,897	19,241	17,695	1,546	277	436	886	574	52	54	-	63,332
Ngoma	15,804	775	894	-	900	3,130	1,667	1,607	117	6,852	3,889	808	2,155	15,628	14,395	1,233	99	660	601	642	1,533	208	3	51,120
Bugesera	9,630	3,643	1,271	-	23	2,109	3,253	308	76	4,244	1,545	661	2,038	14,845	14,747	98	9	2,875	765	237	231	438	445	44,401
National	242,439	40,298	17,078	2,384	3,571	40,090	78,583	54,465	12,951	109,994	41,198	15,455	53,341	327,090	202,492	124,598	9,880	10,832	29,361	19,815	5,705	8,298	8,832	1,021,666
SSF	234,954	40,266	302	2,349	3,537	40,066	78,572	54,275	12,951	109,943	41,155	15,449	53,338	326,757	202,185	124,572	9,854	10,830	28,610	19,629	5,490	7,965	8,326	994,676
LSF	7,485	32	16,776	36	33	23	11	191	-	51	43	6	3	333	308	25	26	2	751	186	214	334	506	26,991

Source: NISR, SAS 2025

Table 17: 2025 Season B_Harvested area by crop type and district (Ha)

District	Maize	Sorghum	Paddy rice	Wheat	Other cereals	Cassava	Sweet potato	Irish potato	Yams & Taro	Bananas	Cooking banana	Dessert banana	Banana for beer	Beans	Bush bean	Climbing bean	Pea	Groundnut	Soybean	vegetables	Fruits	Fodder crops	Other crops	All crops
Nyarugenge	429	305	-	-	-	234	171	-	87	695	164	120	411	1,564	1,502	62	-	-	179	126	-	77	768	4,636
Gasabo	1,224	3,016	283	-	-	586	1,504	387	134	1,431	428	447	557	4,211	3,862	349	20	124	341	745	37	398	376	14,819
Kicukiro	491	682	78	-	-	142	118	2	226	405	112	85	208	1,545	1,536	9	26	43	75	142	7	45	39	4,065
Nyanza	2,673	5,052	659	-	89	2,248	1,978	246	610	1,840	499	469	873	13,054	10,782	2,272	208	979	2,237	450	11	229	1,036	33,601
Gisagara	2,397	3,462	3,218	-	405	4,353	2,728	136	463	2,119	395	633	1,091	13,718	11,770	1,949	24	697	3,146	440	89	-	538	37,933
Nyaruguru	238	3,046	42	298	26	1,779	4,436	1,967	461	968	256	243	468	7,756	948	6,808	290	13	1,131	582	85	501	739	24,360
Huye	1,029	4,096	1,047	-	327	1,504	2,746	168	118	1,456	430	354	672	9,295	5,928	3,366	275	134	2,189	718	467	49	674	26,291
Nyamagabe	1,009	4,155	30	2,248	-	1,514	6,385	1,705	1,000	2,070	164	164	1,743	7,409	800	6,608	922	-	870	472	61	232	2,198	32,280
Ruhango	946	2,087	878	-	55	5,371	3,083	71	623	2,242	175	310	1,756	11,597	8,531	3,066	106	1,917	3,701	357	17	518	874	34,443
Muhanga	914	73	121	128	-	2,479	4,353	197	2,500	7,008	708	694	5,606	6,550	2,507	4,044	150	52	2,180	365	209	641	766	28,685
Kamonyi	2,020	3,183	268	-	11	2,727	3,166	360	838	5,163	662	789	3,712	10,613	8,764	1,848	111	857	3,853	938	60	80	1,706	35,955
Karongi	691	2,128	-	60	-	2,410	3,818	193	948	4,176	411	359	3,406	7,863	1,821	6,041	336	157	1,691	868	158	296	749	26,542
Rutsiro	1,575	154	-	-	-	920	2,548	3,482	425	2,601	443	625	1,533	5,615	682	4,932	505	-	1,114	215	96	383	1,592	21,224
Rubavu	1,766	150	-	-	-	264	1,560	6,133	138	1,039	309	150	580	5,222	658	4,564	660	-	567	2,606	19	234	1,434	21,792
Nyabihu	4,203	-	-	1,375	-	97	1,954	7,810	29	348	96	125	127	2,933	69	2,864	566	-	48	799	372	109	215	20,857
Ngororero	3,721	-	-	1,425	-	722	5,564	1,269	1,826	4,063	203	484	3,376	5,726	578	5,148	381	-	1,559	332	199	332	643	27,762
Rusizi	1,041	64	1,453	-	-	10,979	2,027	60	429	1,669	610	196	863	11,175	8,108	3,067	35	286	1,029	649	241	232	1,979	33,348
Nyamasheke	521	-	384	-	-	4,670	3,913	10	946	1,859	476	256	1,127	7,273	1,326	5,948	76	876	1,546	656	258	112	3,311	26,412
Rulindo	1,197	4,239	18	74	-	1,004	2,782	1,233	127	2,670	615	647	1,409	8,906	3,366	5,540	351	-	154	1,058	54	92	763	24,722
Gakenke	1,467	314	17	235	-	1,525	5,138	933	1,288	6,383	977	1,088	4,318	11,527	1,050	10,477	313	-	686	401	377	125	1,326	32,055
Musanze	2,427	1,909	-	1,371	-	38	2,037	4,537	150	777	334	223	220	7,702	344	7,359	236	-	26	1,175	117	69	493	23,063
Burera	2,430	5,833	-	631	-	39	3,360	4,708	35	760	355	46	359	10,604	533	10,071	1,112	-	46	556	117	528	214	30,973
Gicumbi	2,248	9,830	-	1,020	78	847	4,713	2,361	149	2,560	720	653	1,188	14,979	3,505	11,474	807	127	232	681	78	566	644	41,921
Rwamagana	4,242	6,425	512	-	28	1,884	1,517	660	180	4,813	2,808	807	1,198	12,635	12,335	300	97	1,551	617	975	436	784	932	38,286
Nyagatare	25,717	4,724	2,198	81	16	967	1,460	661	39	5,272	2,672	476	2,124	29,776	28,228	1,549	8	1,644	2,215	744	53	563	489	76,628
Gatsibo	9,350	7,655	1,698	351	271	765	2,886	2,139	302	7,067	3,705	991	2,371	19,138	16,572	2,566	89	1,825	1,875	772	74	446	1,223	57,927
Kayonza	6,413	12,919	1,754	-	680	3,172	1,438	2,128	354	4,260	2,926	399	935	20,994	20,722	272	61	444	553	578	563	782	625	57,721
Kirehe	2,337	10,205	921	-	519	2,003	1,135	1,353	960	6,278	3,539	420	2,319	23,630	15,974	7,656	265	1,033	1,238	440	98	73	2,893	55,378
Ngoma	1,828	7,869	950	-	1,166	1,842	1,186	658	165	6,792	3,832	646	2,314	19,919	17,233	2,686	58	1,244	1,382	308	1,158	206	916	47,645
Bugesera	6,435	3,621	1,440	-	86	1,968	1,343	363	290	5,017	1,582	846	2,589	22,058	21,898	161	0	3,801	1,669	527	61	844	383	49,907
National	92,979	107,195	17,970	9,298	3,757	59,053	81,045	45,928	15,839	93,803	30,604	13,746	49,453	334,988	211,932	123,055	8,087	17,804	38,151	19,674	5,572	9,548	30,539	991,229
SSF	91,087	107,127	237	9,212	3,714	59,036	81,026	45,675	15,838	93,765	30,577	13,740	49,448	333,431	210,403	123,028	8,028	17,802	37,256	19,553	5,325	9,287	29,816	967,216
LSF	1,892	69	17,733	85	42	17	19	253	1	38	27	6	5	1,556	1,529	27	59	2	895	122	248	261	723	24,013

Source: NISR, SAS 2025

Table 18: 2025 Season C _Harvested area by crop type per district (ha)

District/ Crop	Sweet potato	Irish potato	Bean	Bush bean	Climbing bean	Pea	Soybean	Ground- nut	vegetables	Developed land
Nyarugenge	25	4	21	21	-	-	20	-	50	120
Gasabo	8	-	-	-	-	-	-	-	270	278
Kicukiro	40	-	64	64	-	1	4	6	36	151
Nyanza	133	11	156	144	12	275	163	5	160	903
Gisagara	263	33	633	633	-	14	27	6	347	1,324
Nyaruguru	460	75	203	203	-	5	-	-	86	829
Huye	209	38	193	193	-	29	-	-	248	716
Nyamagabe	112	150	8	8	-	18	22	-	44	354
Ruhango	308	8	59	45	15	8	-	-	116	498
Muhanga	227	138	73	73	-	45	66	-	259	809
Kamonyi	122	-	156	156	-	16	35	-	273	602
Karongi	107	85	-	-	-	24	-	-	128	343
Rutsiro	66	223	-	-	-	13	-	-	12	314
Rubavu	310	610	17	17	-	34	-	-	804	1,775
Nyabihu	216	3,646	26	-	26	-	-	-	300	4,188
Ngororero	101	39	1	1	-	-	64	-	21	225
Rusizi	93	11	56	56	-	7	-	-	260	427
Nyamasheke	106	-	-	-	-	-	-	-	64	170
Rulindo	96	138	3	3	-	-	21	-	116	374
Gakenke	196	30	-	-	-	-	51	-	30	307
Musanze	189	2,172	93	63	30	28	-	-	257	2,739
Burera	345	2,518	-	-	-	56	-	-	89	3,008
Gicumbi	95	268	57	57	-	-	-	-	58	478
Rwamagana	34	6	31	31	-	-	0	2	339	411
Nyagatare	101	11	-	-	-	-	-	-	237	348
Gatsibo	120	18	34	34	-	-	-	-	191	364
Kayonza	86	63	-	-	-	-	60	-	233	442
Kirehe	176	51	28	28	-	-	-	-	178	433
Ngoma	72	8	330	307	22	5	9	-	127	551
Bugesera	121	37	895	895	-	12	100	2	463	1,630
National	**4,539**	**10,389**	**3,136**	**3,031**	**106**	**590**	**643**	**21**	**5,796**	**25,113**

Source: NISR, SAS 2025

Table 19: 2025 Season A_Average yield by crop type and district (Kg/Ha)

District	Maize	Sorghum	Paddy rice	Wheat	Other cereals	Cassava	Sweet potatoes	Irish potatoes	Yams & Taro	Bananas	Cooking Banana	Dessert banana	Banana for beer	Beans	Bush bean	Climbing bean	Peas	Ground nuts	Soya beans	Vegetables	Fruits	Fodder crops	Other crops
Nyarugenge	1,338	-	-	-	-	11,627	5,916	2,508	-	11,274	12,200	10,046	11,234	557	545	1,047	-	312	440	5,107	-	7,348	5,042
Gasabo	1,582	-	4,186	-	1,329	12,694	8,436	5,689	6,815	10,654	12,461	7,286	10,482	637	631	915	600	465	530	9,477	9,555	10,731	11,603
Kicukiro	1,559	-	4,598	-	-	10,267	7,862		5,993	11,095	11,254	10,503	11,147	537	535	649	-	254	421	5,953	5,720	26,923	1,801
Nyanza	1,868	1,029	4,263	-	500	14,301	7,034	5,561	5,740	8,722	8,005	7,309	9,666	603	604	596	817	356	366	7,150	6,766	27,656	-
Gisagara	1,932	841	3,162	-	985	13,552	6,844	2,872	5,115	9,028	7,178	7,653	10,383	632	639	569	455	429	537	6,486	4,952	-	-
Nyaruguru	1,839	1,408	3,658	1,279	568	12,683	10,227	5,699	6,647	11,583	14,851	9,337	10,593	681	667	684	522	-	464	7,730	1,821	13,165	161
Huye	1,833	-	4,176	-	659	14,634	8,425	4,233	5,998	10,807	12,793	9,009	10,472	612	605	627	879	549	550	7,182	3,350	13,435	-
Nyamagabe	1,567	-	3,956	1,040	-	13,879	9,317	7,362	7,524	9,648	8,247	7,092	10,548	649	597	667	449	-	517	6,121	6,698	9,003	2,457
Ruhango	1,402	1,334	4,542	-	1,000	15,971	8,087	3,326	4,497	10,008	9,116	6,610	10,960	476	462	533	619	245	459	10,366	-	22,348	1,315
Muhanga	2,047	-	3,510	-	805	15,823	7,690	3,782	11,226	10,830	12,962	8,211	10,714	522	425	628	933	213	440	8,093	3,845	27,768	6,163
Kamonyi	1,702	-	5,275	-	775	14,695	6,385	3,981	7,333	10,214	13,143	6,427	10,470	451	437	532	635	452	556	8,631	7,501	29,064	-
Karongi	1,486	-	-	-	-	8,100	10,283	6,743	4,589	11,501	13,979	10,436	11,073	942	694	1,042	667	221	625	6,486	5,504	13,829	2,184
Rutsiro	1,471	824	-	-	-	14,579	9,396	7,519	5,494	11,403	13,582	7,918	11,486	806	610	838	553	-	556	9,189	4,446	45,341	23,581
Rubavu	1,741	-	-	-	-	-	7,573	13,429	4,477	10,864	12,078	6,635	10,991	708	507	731	447	-	371	8,774	6,997	23,047	6,509
Nyabihu	1,692	838	-	1,293	-	8,922	8,102	12,628	-	8,977	11,771	6,267	9,078	1,028	630	1,041	596	-	211	8,348	10,604	3,497	1,911
Ngororero	1,351	1,258	-	594	-	13,760	7,727	5,610	4,623	8,135	7,966	7,190	8,371	859	601	884	568	-	543	7,790	-	14,248	5,401
Rusizi	1,978	1,317	4,422	-	-	14,114	7,156	5,546	4,266	11,178	11,029	7,959	11,736	781	766	892	622	531	547	6,559	10,477	11,738	431
Nyamasheke	1,677	445	4,151	-	840	11,855	5,476	4,406	5,494	9,360	11,046	7,720	8,777	769	587	827	630	401	577	4,751	5,371	19,262	25,527
Rulindo	1,962	-	3,519	636	-	11,819	7,519	6,043	5,886	10,002	11,767	8,647	9,706	720	586	827	528	416	567	7,572	3,109	13,342	386
Gakenke	1,656	-	3,002	-	554	13,005	8,432	6,075	6,252	11,085	13,203	7,699	11,124	773	579	818	476	673	536	8,765	5,403	6,788	21,297
Musanze	1,905	1,566	-	1,654	-	5,233	9,017	12,183	-	10,550	13,281	7,797	10,367	1,111	906	1,117	661	-	863	8,655	4,011	16,077	7,720
Burera	2,097	1,930	-	1,469	-	12,891	9,411	10,515	4,262	9,964	12,021	7,261	8,596	953	717	967	655	-	-	7,609	15,091	18,866	17,695
Gicumbi	1,480	1,339	-	1,065	630	13,850	9,844	9,025	3,977	11,025	14,187	6,120	10,688	772	651	808	682	370	428	6,695	4,624	13,154	26,385
Rwamagana	1,701	1,021	3,946	-	298	13,292	8,076	6,327	12,808	14,010	16,934	7,955	10,706	627	627	610	301	443	535	8,220	2,318	20,554	4,378
Nyagatare	2,834	1,627	4,248	-	903	13,229	5,774	5,475	4,990	14,064	16,973	8,849	11,548	777	749	1,015	897	451	648	7,609	4,002	20,627	2,009
Gatsibo	1,841	963	4,347	1,486	729	12,888	8,965	5,399	4,646	13,352	15,689	8,223	10,960	725	704	861	684	517	402	7,014	10,376	17,279	-
Kayonza	1,925	1,288	3,320	913	615	11,976	6,932	3,300	3,303	13,959	15,892	10,368	9,541	684	680	848	554	334	344	6,987	2,479	11,029	6,542
Kirehe	2,571	1,144	4,112	1,020	491	14,948	6,536	4,827	3,738	13,650	15,810	8,445	11,186	674	677	648	542	462	1,529	6,916	5,606	5,486	-
Ngoma	1,932	1,790	4,071	-	598	12,679	8,153	4,359	5,238	13,076	14,953	8,577	11,377	693	684	800	302	409	466	6,587	3,721	19,218	52
Bugesera	1,611	1,124	5,376	-	769	13,045	8,077	3,019	4,268	12,061	15,993	8,149	10,349	470	468	816	416	422	350	3,973	9,747	8,434	3,893
National	1,985	1,365	4,080	1,319	695	13,542	8,352	8,736	6,355	11,621	14,327	8,089	10,554	705	625	833	606	432	533	7,560	4,986	17,716	7,434
SSF	1,918	1,364	2,007	1,315	700	13,539	8,352	8,726	6,355	11,619	14,326	8,087	10,554	704	625	833	606	432	496	7,527	5,073	17,686	7,682
LSF	4,076	2,182	4,117	1,519	-	17,892	8,293	11,423	-	15,206	15,591	14,021	11,923	830	803	1,153	565	-	1,954	11,130	2,748	18,416	-

Source: NISR, SAS 2025

Table 20: 2025 Season B_Average yield by crop type and district (Kg/Ha)

District	Maize	Sorghum	Paddy rice	Wheat	Other cereals	Cassava	Sweet potatoes	Irish potatoes	Yams & Taro	Bananas	Cooking Banana	Dessert banana	Banana for beer	Beans	Bush bean	Climbing bean	Peas	Ground nuts	Soya beans	Vegetables	Fruits	Fodder crops	Other crops
Nyarugenge	939	851	-	-	-	11,187	6,312	-	8,837	11,562	16,329	8,804	10,467	583	581	617	-	-	389	7,460	-	19,473	11,973
Gasabo	1,260	993	3,791	-	-	11,479	6,663	3,610	3,581	12,503	16,720	12,635	9,156	657	652	704	612	434	379	8,830	8,822	6,129	7,542
Kicukiro	750	1,121	5,289	-	-	11,805	7,265		5,437	12,607	17,423	12,292	10,126	626	625	712	880	269	470	8,842	4,572	5,171	2,864
Nyanza	1,259	964	3,928	-	904	15,178	8,030	3,967	6,148	9,446	10,654	9,292	8,837	593	578	666	976	428	371	6,882	1,478	9,798	2,458
Gisagara	977	1,020	3,496	-	982	14,857	7,743	3,815	9,501	10,857	15,247	9,443	10,090	634	600	838	618	399	387	7,175	20,100	-	1,640
Nyaruguru	1,135	808	2,739	608	912	13,222	9,228	7,516	8,314	9,465	13,170	8,889	7,733	764	515	799	803	367	407	8,527	3,532	10,770	2,553
Huye	1,081	1,030	4,391	-	594	16,929	8,341	3,952	13,123	9,826	11,643	10,714	8,196	609	536	736	586	483	376	8,086	5,136	7,266	1,568
Nyamagabe	1,162	928	1,438	1,408	-	13,134	8,197	7,781	7,416	6,689	9,704	11,170	5,984	639	449	662	567	-	464	7,773	5,965	4,849	1,427
Ruhango	877	1,067	4,495	-	701	17,703	6,523	2,964	7,734	9,334	13,525	12,055	8,435	579	583	568	452	418	394	7,181	4,758	8,057	2,686
Muhanga	1,034	1,189	2,683	1,105	-	16,571	8,209	4,071	7,097	10,281	15,001	10,450	9,664	649	601	679	591	384	473	7,481	7,011	14,188	4,698
Kamonyi	1,166	1,065	3,215	-	482	14,413	7,008	5,572	8,332	10,536	15,018	10,472	9,751	539	541	532	446	544	334	5,426	6,826	17,836	5,948
Karongi	1,075	1,086	-	589	-	14,655	8,232	3,544	8,988	11,821	15,848	11,973	11,319	947	628	1,043	571	637	415	9,363	5,467	12,942	1,604
Rutsiro	1,119	773	-	-	-	14,946	7,695	4,820	8,696	11,978	16,776	14,156	9,705	846	641	874	511	-	420	8,349	3,053	7,393	7,294
Rubavu	1,413	793	-	-	-	12,743	7,969	8,615	5,851	12,136	15,909	11,890	10,192	785	590	813	436	-	554	12,258	7,251	18,080	5,256
Nyabihu	1,335	-	-	1,285	-	10,060	7,558	8,577	8,082	9,978	15,018	8,372	7,735	1,022	738	1,029	682	-	617	15,906	5,904	12,327	1,134
Ngororero	1,161	-	-	1,129	-	10,312	7,258	5,285	8,709	10,918	14,795	11,660	10,578	964	534	1,013	473	-	402	9,794	3,155	13,136	8,435
Rusizi	983	823	4,859	-	-	11,267	8,652	7,220	9,392	12,588	16,476	11,727	10,037	779	731	905	521	623	376	7,900	6,579	12,099	2,705
Nyamasheke	1,047	-	4,409	-	-	12,995	8,435	4,538	6,937	11,054	13,181	11,067	10,152	783	583	827	539	459	393	9,203	4,904	2,192	2,048
Rulindo	1,011	1,062	4,510	1,100	-	16,328	8,984	4,436	4,978	12,078	16,794	12,182	9,973	855	622	996	430	-	413	9,095	10,029	9,200	6,168
Gakenke	968	1,287	4,216	1,089	-	15,624	10,186	5,629	8,485	11,541	17,018	14,991	9,432	867	660	887	475	-	443	9,238	6,508	5,214	11,659
Musanze	1,503	1,291	-	1,417	-	11,938	8,822	9,060	9,639	9,889	12,447	7,718	8,207	1,080	761	1,095	625	-	510	10,196	2,379	3,998	10,952
Burera	1,305	1,329	-	1,518	-	12,512	8,130	7,267	7,280	12,922	17,407	13,942	8,362	1,111	572	1,139	507	-	281	9,131	4,796	13,518	9,476
Gicumbi	1,064	1,418	-	1,278	395	14,814	8,287	6,198	6,337	12,065	16,666	9,892	10,470	865	636	935	614	272	581	8,457	3,070	10,593	5,409
Rwamagana	822	1,073	4,050	-	356	16,795	7,064	3,869	5,234	14,895	18,878	10,501	8,521	544	542	608	502	371	620	7,952	5,534	20,907	1,935
Nyagatare	1,530	1,316	4,288	330	355	17,570	5,659	4,597	7,184	14,810	19,221	8,717	10,629	746	740	854	769	476	520	10,571	1,781	14,695	1,734
Gatsibo	1,214	1,388	3,889	568	614	16,844	9,183	4,831	6,527	14,295	17,060	11,721	11,051	649	620	837	626	353	486	8,109	4,774	12,168	1,752
Kayonza	1,103	1,409	2,991	-	723	16,046	6,803	4,166	5,305	15,979	18,802	11,871	8,898	574	570	915	497	350	407	6,734	2,734	4,083	4,383
Kirehe	2,329	1,050	5,145	-	556	14,801	6,677	3,990	4,199	15,262	19,451	10,272	9,772	655	631	707	743	359	988	4,806	2,192	3,423	1,459
Ngoma	806	1,153	3,588	-	548	15,236	6,957	4,751	3,693	14,327	17,391	8,536	10,871	733	717	836	404	449	403	6,807	5,839	20,904	1,668
Bugesera	1,007	999	5,113	-	764	14,895	5,527	2,797	4,510	12,220	15,254	12,548	10,259	596	596	645	511	481	320	11,970	3,257	13,204	904
National	1,266	1,172	4,061	1,255	649	14,437	8,051	6,839	7,446	12,433	17,224	11,226	9,804	719	626	879	567	435	430	9,214	5,347	11,684	3,949
SSF	1,206	1,172	1,969	1,250	652	14,436	8,051	6,798	7,446	12,430	17,220	11,224	9,803	716	621	878	566	435	401	9,226	5,317	11,578	3,940
LSF	4,155	2,053	4,089	1,806	387	17,697	9,090	14,161	5,707	19,145	21,086	17,021	11,754	1,265	1,268	1,049	711	100	1,615	7,220	5,997	15,492	4,318

Source: NISR, SAS 2025

Table 21: 2025 Season C _Average yield by crop type per district (Kg/Ha)

District/Crop	Sweet potato	Irish potato	Bean	Bush bean	Climbing bean	Pea	Soybean	Groundnut	vegetables
Nyarugenge	8,314	6,857	748	748	-	-	827	-	16,390
Gasabo	9,397	-	-	-	-	-	-	-	13,921
Kicukiro	7,599	-	1,036	1,036	-	948	1,127	539	10,893
Nyanza	9,689	9,795	1,037	1,062	741	1,075	846	286	13,411
Gisagara	9,482	3,844	1,018	1,018	-	733	491	423	11,756
Nyaruguru	8,825	8,365	1,079	1,079	-	802	-	-	8,570
Huye	9,956	2,204	1,212	1,212	-	920	-	-	12,942
Nyamagabe	9,378	10,205	983	983	-	914	801	-	8,465
Ruhango	7,275	5,552	1,054	1,077	984	759	-	-	9,590
Muhanga	8,136	5,392	1,346	1,346	-	976	760	-	8,159
Kamonyi	9,920	-	1,065	1,065	-	801	880	-	14,496
Karongi	9,588	8,137	-	-	-	980	-	-	8,880
Rutsiro	11,010	8,922	-	-	-	539	-	-	8,445
Rubavu	10,248	11,120	665	665	-	772	-	-	13,404
Nyabihu	10,444	9,301	500	-	500	-	-	-	9,057
Ngororero	7,906	7,967	1,107	1,107	-	-	687	-	6,301
Rusizi	8,792	9,732	1,144	1,144	-	966	-	-	12,663
Nyamasheke	9,728	-	-	-	-	-	-	-	6,372
Rulindo	9,078	7,304	1,055	1,055	-	-	712	-	9,998
Gakenke	7,543	5,340	-	-	-	-	559	-	11,005
Musanze	9,117	9,449	1,074	1,092	1,036	663	-	-	6,675
Burera	9,962	8,806	-	-	-	882	-	-	21,119
Gicumbi	8,921	8,696	1,102	1,102	-	-	-	-	10,101
Rwamagana	11,662	12,802	1,025	1,025	-	-	792	450	11,718
Nyagatare	7,317	8,819	-	-	-	-	-	-	14,482
Gatsibo	8,454	14,441	995	995	-	-	-	-	14,185
Kayonza	11,234	7,716	-	-	-	-	838	-	12,201
Kirehe	8,291	8,655	1,000	1,000	-	-	-	-	11,586
Ngoma	9,289	6,395	1,089	1,043	1,720	877	633	-	11,417
Bugesera	8,105	5,678	888	888	-	1,402	929	403	9,105
National	**9,097**	**9,134**	**1,013**	**1,014**	**1,008**	**965**	**790**	**422**	**11,668**

Source: NISR, SAS 2025

Table 22: 2025 Season A_Average yield of Large-Scale Farmers by crop type and district (Kg/Ha))

District	Maize	Sorghum	Paddy rice	Wheat	Cassava	Sweet potatoes	Irish potatoes	Yams & Taro	Bananas	Cooking Banana	Dessert banana	Banana for beer	Beans	Bush bean	Climbing bean	Peas	Soya beans	Vegetables	Fruits	Fodder crops
Gasabo	2,962	-	4,214	-	-	7,046	-	-	14,232	14,232	14,436	13,921	685	685	-	-	706	8,964	2,854	16,742
Kicukiro	2,847	-	4,598	-	-	-	-	-	15,205	16,304	14,409	-	-	-	-	-	-	-	5,414	53,710
Nyanza	2,435	-	4,403	-	-	-	-	-	11,963	15,587	11,366	11,047	-	-	-	-	-	18,308	6,766	32,453
Gisagara	3,367	-	3,162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nyaruguru	4,746	-	3,658	-	-	7,210	8,473	-	10,465	16,299	9,189	-	-	-	-	-	-	-	-	528,855
Huye	3,973	-	4,207	-	-	-	-	-	12,928	13,071	11,502	-	800	800	-	-	-	1,059	-	126,987
Nyamagabe	2,980	-	3,956	-	-	-	12,366	-	-	-	-	-	746	-	746	606	-	-	-	-
Ruhango	2,409	-	4,637	-	33,085	-	-	-	-	-	-	-	649	649	-	-	-	-	-	10,351
Muhanga	2,910	-	3,510	-	-	8,848	10,179	-	-	-	-	-	800	-	800	589	-	-	-	-
Kamonyi	4,722	-	5,275	-	-	-	-	-	-	-	-	-	-	-	-	-	1,642	-	-	-
Karongi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubavu	2,468	-	-	-	-	-	14,545	-	14,847	15,746	11,227	12,089	-	-	-	-	-	-	-	164,813
Nyabihu	-	-	-	-	-	-	8,605	-	-	-	-	-	-	-	-	-	-	-	-	-
Rusizi	3,051	-	4,435	-	-	-	-	-	-	-	-	-	995	995	-	-	-	-	10,886	-
Nyamasheke	-	-	4,151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rulindo	2,254	-	3,519	636	-	-	9,385	-	7,243	-	-	7,243	1,198	-	1,198	810	-	6,148	-	-
Gakenke	3,175	-	3,002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Musanze	-	-	-	1,564	-	-	13,845	-	-	-	-	-	-	-	-	537	-	2,233	-	16,019
Gicumbi	2,515	-	-	1,593	-	7,421	8,848	-	13,610	13,610	-	-	1,328	-	1,328	374	-	4,003	-	22,679
Rwamagana	2,364	-	3,996	-	-	7,331	6,822	-	15,901	16,307	13,444	9,326	698	698	-	-	3,153	9,175	3,649	12,948
Nyagatare	5,387	2,066	4,272	-	15,962	13,820	9,087	-	18,145	18,435	12,237	14,321	815	815	-	-	1,442	8,990	4,002	19,778
Gatsibo	2,854	2,314	4,365	-	-	-	5,301	-	15,777	16,508	11,947	11,686	995	995	-	-	2,065	10,200	-	26,761
Kayonza	4,161	-	3,402	-	-	6,799	7,092	-	14,095	14,201	12,022	10,172	690	690	-	-	224	22,578	389	12,040
Kirehe	6,061	-	4,189	-	-	-	-	-	-	-	-	-	655	655	-	-	2,041	3,881	-	-
Ngoma	2,264	-	4,071	-	-	-	-	-	14,111	14,927	13,828	10,875	956	956	-	-	616	2,738	3,038	3,537
Bugesera	1,588	2,680	5,410	-	17,323	7,119	8,144	-	13,377	11,323	16,924	13,107	822	816	1,246	-	1,245	6,003	4,190	13,550
National	**4,076**	**2,182**	**4,117**	**1,519**	**17,892**	**8,293**	**11,423**	**-**	**15,206**	**15,591**	**14,021**	**11,923**	**830**	**803**	**1,153**	**565**	**1,954**	**11,130**	**2,748**	**18,416**

Source: NISR, SAS 2025

Table 23 : 2025 Season B_Average yield of Large-Scale Farmers by crop type and district (Kg/Ha)

District	Maize	Sorghum	Paddy rice	Wheat	Other cereals	Cassava	Sweet potatoes	Irish potatoes	Yams & Taro	Bananas	Cooking Banana	Dessert banana	Banana for beer	Beans	Bush bean	Climbing bean	Peas	Ground nuts	Soya beans	Vegetables	Fruits	Fodder crops	Other crops
Gasabo	2,202	2,258	3,791	-	-	-	7,198	9,099	5,102	11,854	10,064	19,830	16,429	1,013	1,013	-	275	-	-	20,528	3,926	11,498	287
Kicukiro	-	-	5,289	-	-	-	-	-	-	16,635	19,994	7,457	-	626	626	-	880	-	-	-	4,572	-	17,304
Nyanza	-	-	3,981	-	-	-	6,706	-	-	10,630	4,160	10,695	13,778	502	502	-	-	-	-	5,320	-	-	6,392
Gisagara	1,795	-	3,508	-	-	-	-	-	-	-	-	-	-	880	880	-	-	-	-	-	-	-	-
Nyaruguru	1,733	-	2,739	-	-	-	-	14,903	-	18,128	21,956	16,219	-	1,319	-	1,319	-	-	401	-	-	27,005	-
Huye	3,938	-	4,410	-	-	-	-	-	-	18,125	18,308	14,520	-	1,375	1,375	-	-	-	-	-	-	41,728	2,502
Nyamagabe	-	1,443	1,438	1,693	-	-	-	15,797	-	-	-	-	-	498	-	498	973	-	-	-	-	10,677	-
Ruhango	-	-	4,495	-	-	20,780	-	-	-	14,128	13,815	14,175	-	1,375	1,375	-	-	340	-	-	-	23,372	7,424
Muhanga	2,631	-	2,683	2,481	-	-	-	13,168	-	-	-	-	-	950	-	950	-	-	-	-	-	-	-
Kamonyi	2,748	-	3,801	-	-	-	-	-	-	-	-	-	-	500	500	-	-	-	-	-	-	-	-
Karongi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,322
Rubavu	3,560	-	-	-	-	-	-	14,340	-	14,650	15,304	10,352	9,973	-	-	-	-	-	-	-	-	7,199	789
Nyabihu	-	-	-	-	-	-	-	8,424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rusizi	3,388	2,454	4,872	-	-	11,456	6,220	-	-	-	-	-	-	702	702	-	-	-	-	-	73,782	-	228
Nyamasheke	-	-	4,409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,032
Rulindo	-	3,197	4,510	1,219	-	-	-	13,238	-	-	-	-	-	1,150	-	1,150	-	-	-	1,840	-	-	2,076
Gakenke	-	-	4,216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Musanze	-	-	-	1,727	-	-	-	17,045	-	-	-	-	-	-	-	-	319	-	-	-	3,938	31,993	-
Gicumbi	-	2,057	-	1,973	-	-	-	16,796	-	25,001	25,184	22,532	-	946	-	946	-	-	-	11,189	-	38,374	-
Rwamagana	2,706	2,109	4,057	-	-	-	6,491	4,936	-	21,238	21,161	22,119	20,461	655	655	-	187	-	976	8,902	2,377	22,561	7,153
Nyagatare	4,472	2,307	4,292	-	-	18,266	16,540	7,852	-	20,714	25,504	21,290	7,802	1,597	1,597	-	-	-	1,686	6,428	5,167	8,982	2,095
Gatsibo	2,706	1,697	3,899	-	-	-	6,500	7,750	-	23,163	23,521	24,769	18,486	726	726	-	-	-	994	4,821	-	13,607	6,955
Kayonza	5,253	1,953	3,056	-	447	26,437	4,006	9,029	-	24,275	24,443	14,352	-	1,002	1,002	-	-	31	-	2,062	9,867	11,700	11,590
Kirehe	5,994	-	5,157	-	387	-	-	-	-	-	-	-	-	819	819	-	488	-	1,986	8,394	-	-	-
Ngoma	2,265	1,406	3,588	-	-	-	7,760	-	8,439	18,324	14,706	24,968	21,958	772	772	-	-	282	326	5,249	2,309	8,176	4,042
Bugesera	2,640	1,483	5,128	-	-	-	6,346	3,785	5,839	14,787	13,356	16,966	13,266	1,188	1,163	2,836	511	288	224	4,631	8,542	8,872	835
National	**4,155**	**2,053**	**4,089**	**1,806**	**387**	**17,697**	**9,090**	**14,161**	**5,707**	**19,145**	**21,086**	**17,021**	**11,754**	**1,265**	**1,268**	**1,049**	**711**	**100**	**1,615**	**7,220**	**5,997**	**15,492**	**4,318**

Source: NISR, SAS 2025

Table 24 : 2025 Season A Crop production by crop type and district (MT)

District	Maize	Sorghum	Paddy rice	Wheat	Other Cereals	Cassava	Sweet potatoes	Irish potatoes	Yams & Taro	Banana	Cooking banana	Dessert banana	Banana for beer	Beans	Bush bean	Climbing bean	Pea	Ground nuts	Soya bean	Vegetables	Fruits	Fodder crops	Other crops
Nyarugenge	909	-	-	-	-	2,169	1,692	151	-	8,722	2,652	1,515	4,555	950	907	43	-	3	34	627	-	555	142
Gasabo	5,216	-	1,281	-	5	12,052	7,933	2,996	599	23,532	10,988	3,111	9,433	4,226	4,087	139	25	60	119	8,006	1,198	3,989	1,107
Kicukiro	1,821	-	392	-	-	452	3,505	-	303	5,979	2,242	805	2,933	735	723	13	-	2	26	424	335	925	81
Nyanza	10,568	570	1,986	-	32	61,476	14,809	1,729	1,892	28,261	9,006	3,691	15,564	8,150	7,141	1,009	170	139	722	2,964	14	7,696	-
Gisagara	13,087	881	8,288	-	208	14,711	14,807	818	1,316	33,563	7,350	4,918	21,296	9,548	8,671	877	5	96	940	4,162	115	-	-
Nyaruguru	7,636	52	165	240	9	11,451	41,064	14,392	2,939	18,354	6,767	2,765	8,823	5,703	1,067	4,636	139	-	276	1,192	23	7,569	3
Huye	8,042	-	4,058	-	70	16,262	19,423	1,867	936	25,620	9,650	5,892	10,078	7,914	5,355	2,560	149	28	1,109	3,134	3,743	658	-
Nyamagabe	8,119	-	116	53	-	12,660	50,085	24,473	2,401	27,861	4,508	2,754	20,599	6,705	1,569	5,136	444	-	657	2,708	543	1,943	682
Ruhango	5,456	205	4,412	-	52	66,711	12,974	570	2,762	32,745	4,637	3,309	24,798	4,693	3,611	1,082	17	70	1,431	4,205	-	5,187	451
Muhanga	4,381	-	473	-	78	26,474	30,024	1,545	24,121	71,786	14,580	5,757	51,450	3,760	1,592	2,168	108	3	1,131	1,930	760	7,774	1,714
Kamonyi	9,419	-	1,079	-	4	35,647	12,443	1,849	2,051	46,676	6,914	4,094	35,667	5,866	4,799	1,067	38	444	1,704	8,886	422	2,333	-
Karongi	10,252	-	-	-	-	8,874	38,934	5,077	4,655	54,651	11,568	6,101	36,982	6,168	1,306	4,862	91	9	947	4,206	980	4,668	460
Rutsiro	9,003	13	-	-	-	2,598	24,575	22,191	5,534	32,382	8,824	3,543	20,015	3,227	342	2,886	259	-	484	2,934	233	19,778	13,456
Rubavu	3,890	-	-	-	-	-	4,331	73,561	565	11,523	4,792	862	5,868	5,934	442	5,492	177	-	95	15,774	65	3,064	9,096
Nyabihu	5,225	415	-	234	-	2,009	19,231	110,026	-	4,494	1,150	700	2,644	8,956	173	8,782	376	-	3	5,412	1,149	374	3,455
Ngororero	4,838	421	-	113	-	17,355	37,613	9,740	4,233	39,993	5,781	5,262	28,949	10,346	637	9,709	257	-	905	5,741	-	1,669	196
Rusizi	15,312	330	6,501	-	-	13,331	9,761	1,606	4,534	25,551	9,205	1,441	14,905	9,824	8,512	1,312	32	145	263	7,547	5,319	1,390	70
Nyamasheke	9,553	9	1,535	-	145	33,481	15,363	655	8,175	25,908	9,500	2,470	13,938	5,624	1,036	4,588	48	195	528	3,806	625	1,475	8,541
Rulindo	8,930	-	61	2	-	8,130	22,336	9,036	363	27,659	7,642	4,247	15,770	6,672	2,411	4,261	186	19	224	8,784	195	350	32
Gakenke	14,068	-	50	-	244	14,752	52,262	7,099	9,480	67,402	14,479	5,658	47,265	7,902	1,127	6,775	312	136	373	4,574	1,605	1,436	8,388
Musanze	11,208	2,229	-	926	-	128	13,811	58,546	-	9,757	3,687	1,942	4,128	10,138	255	9,883	131	-	44	7,046	604	5,996	8,130
Burera	20,130	2,739	-	947	-	838	34,521	45,817	139	7,356	3,743	306	3,306	10,013	393	9,620	1,118	-	-	2,355	82	9,099	1,918
Gicumbi	8,634	971	-	434	107	9,715	72,635	33,482	190	27,424	14,060	3,521	9,842	13,340	2,575	10,765	1,244	135	130	5,766	505	6,489	3,355
Rwamagana	17,832	6	2,008	-	6	13,411	15,030	7,417	1,593	75,356	55,127	7,242	12,987	8,606	8,436	170	9	481	298	11,109	433	27,116	1,856
Nyagatare	85,407	24,542	9,509	-	516	12,019	8,604	4,125	442	79,430	50,899	6,755	21,776	10,754	9,277	1,477	200	566	738	3,797	146	5,286	9
Gatsibo	41,037	5,344	7,339	110	139	15,745	17,683	13,123	389	141,810	97,612	12,084	32,114	13,983	11,780	2,203	205	354	343	5,725	160	5,717	-
Kayonza	34,261	6,798	5,997	22	265	34,512	11,596	7,969	935	70,972	54,836	6,880	9,256	9,934	9,665	269	62	109	229	7,848	938	6,488	788
Kirehe	60,970	3,985	3,957	63	47	28,713	9,410	7,990	824	112,675	75,193	5,075	32,406	12,972	11,970	1,002	150	201	1,355	3,972	294	295	-
Ngoma	30,531	1,387	3,641	-	538	39,686	13,595	7,005	611	89,603	58,147	6,932	24,524	10,829	9,843	986	30	270	280	4,229	5,703	4,000	0
Bugesera	15,513	4,096	6,834	-	18	27,512	26,269	930	326	51,190	24,711	5,385	21,095	6,984	6,905	80	4	1,212	267	942	2,253	3,693	1,731
National	**481,246**	**54,994**	**69,680**	**3,144**	**2,483**	**542,874**	**656,320**	**475,785**	**82,307**	**1,278,234**	**590,252**	**125,014**	**562,968**	**230,456**	**126,606**	**103,851**	**5,984**	**4,678**	**15,657**	**149,806**	**28,440**	**147,011**	**65,658**

Source: NISR, SAS 2025

Table 25: 2025 Season B_Crop production by crop type and district (MT)

District	Maize	Sorghum	Paddy rice	Wheat	Other Cereals	Cassava	Sweet potatoes	Irish potatoes	Yams & Taro	Banana	Cooking banana	Dessert banana	Banana for beer	Beans	Bush bean	Climbing bean	Pea	Ground nuts	Soya bean	Vegetables	Fruits	Fodder crops	Other crops
Nyarugenge	403	259	-	-	-	2,618	1,079	-	770	8,030	2,673	1,055	4,303	912	873	38	-	-	70	939	-	1,506	9,201
Gasabo	1,542	2,994	1,074	-	-	6,728	10,018	1,396	482	17,896	7,152	5,649	5,096	2,765	2,519	246	13	54	129	6,576	331	2,441	2,838
Kicukiro	368	765	410	-	-	1,672	857		1,227	5,106	1,959	1,045	2,101	967	960	6	23	12	35	1,257	30	234	110
Nyanza	3,365	4,872	2,589	-	80	34,122	15,887	977	3,749	17,382	5,313	4,357	7,711	7,744	6,231	1,513	203	419	829	3,094	17	2,247	2,547
Gisagara	2,343	3,531	11,250	-	398	64,678	21,122	520	4,396	23,007	6,018	5,976	11,013	8,695	7,062	1,633	15	278	1,217	3,153	1,780	-	882
Nyaruguru	270	2,460	116	181	24	23,528	40,935	14,786	3,837	9,158	3,377	2,163	3,618	5,925	488	5,437	233	5	460	4,964	300	5,396	1,887
Huye	1,112	4,220	4,596	-	194	25,467	22,906	663	1,546	14,304	5,001	3,796	5,508	5,656	3,179	2,478	161	65	822	5,805	2,398	355	1,057
Nyamagabe	1,173	3,856	43	3,166	-	19,884	52,343	13,265	7,418	13,848	1,590	1,828	10,429	4,736	360	4,377	522	-	403	3,670	364	1,123	3,137
Ruhango	830	2,228	3,948	-	39	95,084	20,108	210	4,822	20,922	2,367	3,740	14,815	6,715	4,972	1,742	48	802	1,458	2,565	81	4,177	2,347
Muhanga	945	86	326	141	-	41,076	35,734	802	17,739	72,048	10,620	7,253	54,175	4,251	1,506	2,746	88	20	1,032	2,728	1,468	9,090	3,600
Kamonyi	2,356	3,391	861	-	6	39,300	22,187	2,006	6,980	54,405	9,942	8,263	36,200	5,725	4,742	984	50	466	1,286	5,092	409	1,432	10,144
Karongi	743	2,311	-	35	-	35,320	31,432	682	8,516	49,367	6,511	4,303	38,553	7,444	1,144	6,300	192	100	702	8,127	865	3,834	1,202
Rutsiro	1,762	119	-	-	-	13,756	19,604	16,784	3,696	31,160	7,426	8,854	14,880	4,749	437	4,312	258	-	468	1,792	293	2,834	11,612
Rubavu	2,495	119	-	-	-	3,364	12,430	52,841	805	12,604	4,908	1,785	5,911	4,097	388	3,708	288	-	314	31,949	140	4,230	7,538
Nyabihu	5,613		-	1,767	-	980	14,772	66,983	230	3,477	1,448	1,043	985	2,996	51	2,946	386	-	29	12,707	2,194	1,347	244
Ngororero	4,321		-	1,608	-	7,440	40,381	6,707	15,906	44,357	3,006	5,639	35,712	5,522	309	5,213	180	-	627	3,249	628	4,359	5,425
Rusizi	1,023	53	7,060	-	-	123,704	17,535	435	4,032	21,004	10,042	2,302	8,660	8,704	5,929	2,775	18	178	387	5,131	1,587	2,803	5,352
Nyamasheke	546	-	1,693	-	-	60,683	33,004	45	6,562	20,552	6,279	2,834	11,439	5,693	773	4,920	41	402	608	6,042	1,267	246	6,781
Rulindo	1,210	4,501	82	81	-	16,401	24,996	5,467	632	32,251	10,323	7,881	14,047	7,614	2,095	5,519	151	-	64	9,625	545	846	4,709
Gakenke	1,420	404	72	256	-	23,823	52,340	5,250	10,928	73,665	16,622	16,312	40,731	9,990	693	9,297	148	-	304	3,703	2,457	651	15,455
Musanze	3,647	2,463	-	1,942	-	454	17,967	41,103	1,448	7,687	4,158	1,720	1,809	8,317	262	8,055	148	-	13	11,982	278	274	5,395
Burera	3,171	7,755	-	959	-	488	27,314	34,212	256	9,817	6,174	640	3,003	11,778	305	11,473	564	-	13	5,082	559	7,141	2,025
Gicumbi	2,393	13,936	-	1,304	31	12,549	39,056	14,631	947	30,892	12,000	6,456	12,436	12,960	2,229	10,731	495	35	135	5,756	239	5,993	3,484
Rwamagana	3,488	6,891	2,073	-	10	31,635	10,713	2,554	940	71,697	53,013	8,473	10,211	6,870	6,687	183	49	576	382	7,749	2,410	16,395	1,803
Nyagatare	39,347	6,217	9,426	27	6	16,982	8,259	3,040	283	78,076	51,350	4,154	22,573	22,203	20,881	1,322	6	782	1,151	7,867	95	8,279	848
Gatsibo	11,353	10,622	6,604	200	166	12,885	26,504	10,331	1,971	101,029	63,206	11,616	26,206	12,418	10,271	2,147	55	644	912	6,260	352	5,427	2,143
Kayonza	7,072	18,202	5,246	-	492	50,905	9,784	8,866	1,878	68,076	55,020	4,736	8,321	12,053	11,804	249	30	155	225	3,893	1,538	3,195	2,741
Kirehe	5,443	10,714	4,738	-	288	29,642	7,578	5,397	4,029	95,812	68,839	4,316	22,657	15,484	10,073	5,410	197	371	1,223	2,113	216	248	4,221
Ngoma	1,473	9,070	3,409	-	638	28,058	8,248	3,124	608	97,316	66,641	5,516	25,159	14,594	12,350	2,245	23	558	557	2,093	6,759	4,313	1,528
Bugesera	6,483	3,617	7,360	-	65	29,318	7,422	1,016	1,308	61,302	24,129	10,611	26,562	13,145	13,041	104	0	1,826	534	6,311	200	11,150	346
National	117,711	125,656	72,976	11,667	2,437	852,541	652,515	314,093	117,941	1,166,247	527,109	154,315	484,822	240,721	132,612	108,108	4,586	7,747	16,388	181,272	29,798	111,566	120,603

Source: NISR, SAS 2025

Table 26: 2025 Season C_Crop production by crop type and district (MT)

District/Crop	Sweet potatoes	Irish potatoes	Beans	Bush bean	Climbing bean	Peas	Soya beans	Groundnut	Vegetables
Nyarugenge	206	27	16	16	-	-	17	-	827
Gasabo	73	-	-	-	-	-	-	-	3,765
Kicukiro	307	-	66	66	-	1	4	3	395
Nyanza	1,287	104	162	152	9	296	138	1	2,148
Gisagara	2,494	128	644	644	-	10	13	3	4,083
Nyaruguru	4,062	632	219	219	-	4	-	-	733
Huye	2,083	83	234	234	-	27	-	-	3,206
Nyamagabe	1,055	1,531	8	8	-	16	18	-	375
Ruhango	2,237	42	63	48	14	6	-	-	1,111
Muhanga	1,850	743	99	99	-	44	51	-	2,112
Kamonyi	1,208	-	166	166	-	13	31	-	3,952
Karongi	1,024	691	-	-	-	24	-	-	1,133
Rutsiro	724	1,991	-	-	-	7	-	-	100
Rubavu	3,177	6,781	11	11	-	27	-	-	10,776
Nyabihu	2,257	33,911	13	-	13	-	-	-	2,720
Ngororero	799	310	1	1	-	-	44	-	129
Rusizi	819	104	64	64	-	7	-	-	3,292
Nyamasheke	1,030	-	-	-	-	-	-	-	409
Rulindo	873	1,006	3	3	-	-	15	-	1,156
Gakenke	1,480	159	-	-	-	-	28	-	328
Musanze	1,722	20,524	100	69	31	19	-	-	1,717
Burera	3,437	22,172	-	-	-	50	-	-	1,885
Gicumbi	851	2,330	63	63	-	-	-	-	588
Rwamagana	394	76	32	32	-	-	0	1	3,968
Nyagatare	736	93	-	-	-	-	-	-	3,427
Gatsibo	1,018	265	33	33	-	-	-	-	2,715
Kayonza	967	484	-	-	-	-	50	-	2,844
Kirehe	1,462	438	28	28	-	-	-	-	2,068
Ngoma	672	53	359	321	39	4	6	-	1,446
Bugesera	984	213	795	795	-	16	93	1	4,213
National	**41,289**	**94,892**	**3,178**	**3,072**	**106**	**569**	**507**	**9**	**67,626**

Source: NISR, SAS 2025

Table 27: 2025 Season A_the Use of production by farmers (in percentage)

Crops	Sold	Own consumption	Wages for hired labour	Farm rent	Offeredas gift	Barter trade /Exchanged with other things	Seeds	Fodder purpose	Stored	Post harvesting losses	Other usage
Maize	41.0	44.9	1.5	2.2	6.3	0.1	0.9	0.7	1.9	0.3	0.5
Sorghum	67.3	17.4	1.4	6.0	4.3	0.1	2.3	0.0	0.7	0.9	0.6
Paddy rice	84.8	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.2
Wheat	56.4	22.8	0.5	0.0	6.1	0.0	11.6	0.0	0.0	0.9	2.6
Other cereals	44.7	37.2	0.4	1.0	6.5	0.0	7.9	0.0	1.7	0.4	0.5
Sweet potato	40.6	46.7	2.2	0.7	6.7	0.1	0.1	2.7	0.0	0.1	0.2
Irish potato	53.5	23.6	1.3	0.6	4.5	0.1	15.5	0.2	0.2	0.3	0.5
Yam & Taro	39.7	46.8	0.6	0.8	8.4	0.0	3.3	0.0	0.1	0.1	0.4
Cassava	68.4	24.9	1.4	0.8	3.5	0.0	0.0	0.2	0.3	0.1	0.5
Bush bean	22.8	47.9	1.7	2.6	6.3	0.2	15.5	0.0	2.4	0.5	0.6
Climbing bean	17.5	52.5	1.6	0.7	9.2	0.3	16.0	0.0	2.0	0.4	0.4
Pea	43.2	35.1	0.1	0.1	4.3	0.4	15.7	0.0	0.3	0.6	0.8
Groundnut	44.7	27.5	0.3	0.2	4.3	0.0	20.9	0.0	0.4	0.6	1.8
Soybean	37.4	35.4	0.5	1.1	4.3	0.2	19.0	0.1	1.5	0.5	0.5
Cooking banana	71.0	25.3	0.7	0.0	2.5	0.1	0.0	0.1	0.0	0.0	0.4
Dessert banana	72.0	24.2	0.1	0.4	2.7	0.0	0.0	0.1	0.0	0.1	0.5
Banana for beer	83.1	10.2	0.1	0.0	5.0	0.0	0.0	0.1	0.0	0.1	1.5
Vegetables	79.4	12.8	0.1	0.4	4.8	0.0	1.5	0.0	0.0	0.5	0.9
Fruits	84.3	10.4	0.3	0.0	4.0	0.3	0.0	0.0	0.0	0.5	0.6
Fodder crops	4.9	0.0	0.8	0.1	0.6	1.0	0.9	82.8	8.2	0.0	0.7
Other crops	77.5	11.2	0.0	0.0	2.1	0.0	0.8	0.0	0.0	0.4	8.3

Source: NISR, SAS 2025

Table 28: 2025 Season B_the Use of production by farmers (in percentage)

Crops	Sold	Own consumption	Wages for hired labour	Farm rent	Offered as gift	Barter trade / Exchanged with other things	Seeds	Fodder purpose	Stored	Post harvesting losses	Other usage
Maize	33.5	50.5	1.5	2.7	7.0	0.2	0.9	2.0	1.0	0.5	0.2
Sorghum	59.4	25.0	0.4	3.1	6.5	0.1	3.9	0.0	0.5	0.6	0.6
Paddy rice	82.1	16.1	-	-	-	-	-	-	0.0	1.7	0.0
Wheat	48.3	28.0	0.7	0.5	7.1	0.2	12.9	0.1	0.4	0.9	0.9
Other cereals	49.5	35.2	0.9	2.2	4.3	-	5.5	-	0.7	1.4	0.2
Sweet potato	38.9	47.6	2.2	0.6	6.9	0.0	0.0	3.6	0.0	0.0	0.1
Irish potato	44.6	28.1	1.5	0.8	5.3	0.0	18.8	0.1	0.2	0.2	0.4
Yam & Taro	42.9	41.9	1.4	0.7	6.4	0.0	6.4	-	-	0.0	0.2
Cassava	55.6	34.9	1.6	2.0	4.7	0.0	0.0	0.3	0.5	0.0	0.3
Bush bean	24.3	45.2	2.0	3.2	5.8	0.2	16.7	-	1.8	0.6	0.3
Climbing bean	19.3	49.5	1.5	1.1	9.4	0.1	17.4	-	1.2	0.3	0.2
Pea	43.9	36.0	0.2	0.3	4.4	-	14.5	-	0.2	0.4	0.0
Groundnut	50.9	26.4	0.6	0.5	3.6	-	17.4	-	0.2	0.4	0.0
Soybean	34.0	36.7	0.9	1.0	4.8	0.3	19.7	0.7	0.7	1.0	0.2
Cooking banana	59.2	35.5	1.0	0.1	4.0	0.0	-	0.0	-	0.0	0.2
Dessert banana	69.9	26.3	0.1	0.3	3.0	0.0	0.0	0.0	-	0.0	0.4
Banana for beer	80.8	12.0	0.3	0.2	6.3	0.0	0.0	0.1	-	0.1	0.4
Vegetables	81.6	11.4	0.4	0.3	4.1	0.0	1.2	-	0.0	0.3	0.4
Fruits	86.1	9.6	0.0	0.2	3.6	-	0.0	0.0	-	0.1	0.4
Fodder crops	4.5	-	0.0	-	1.2	0.0	0.1	91.7	-	0.0	2.3
Other crops	95.2	2.6	0.0	0.0	0.5	0.1	0.2	0.1	0.0	0.2	1.0

Source: NISR, SAS 2025

Table 29: 2025 Season C_ Use of production by farmers (in percentage)

Crops	Sold	Auto consumption	Wages for hired labour	Farm rent	Offered as gift	Barter trade / Exchanged with other things	Seeds	Fodder purposes	Stored	Post harvesting losses	Other usage
Sweet potato	37.21	46.99	2.57	1.15	7.74	0.02	0.00	3.94	0.00	0.00	0.39
Irish potato	60.52	15.01	0.88	0.07	4.43	0.09	17.33	0.03	0.03	0.00	1.61
Bush bean	27.87	47.42	1.39	1.69	5.49	0.25	13.96	0.00	0.61	0.00	1.33
Climbing bean	35.97	55.50	0.00	0.00	2.96	0.00	5.58	0.00	0.00	0.00	0.00
Pea	76.61	12.10	0.74	0.62	3.87	0.00	5.92	0.00	0.00	0.00	0.14
Groundnut	29.31	45.90	0.00	0.00	1.84	0.00	22.95	0.00	0.00	0.00	0.00
Soybean	48.57	30.62	0.99	1.64	4.59	0.28	12.79	0.26	0.27	0.00	0.01
Vegetables	83.10	8.02	0.28	0.84	4.17	0.01	0.70	0.00	0.04	0.00	2.86

Source: NISR, SAS 2025

Table 30: Sowing date per Season and District in 2025 (%)

District	Season A							Season B									Season C				
	Before 01/09	Between 01-15/09	Between 16-30/09	Between 01-15/10	Between16-31/10	After 31/10	Other season	Before 01/01	Between 01-15/01	Between 16-31/01	Between 01-15/02	Between 16-28/02	Between 01-15/03	Between16-31/03	After 31/03	Other season	Before 01/05	Between 01-31/05	Between 01-30/06	Between 01-31/07	After 31/07
Nyarugenge	0.39	9.48	15.5	43.27	18.4	12.32	0.62	3.39	1.48	1.79	5.02	9.44	21.51	7.63	1.3	48.42	11.28	11.32	41.15	31.1	5.15
Gasabo	8.94	18.35	24.46	29.53	9.45	6.85	2.43	4.73	7.65	4.66	12.82	12.84	14.29	2.64	4.44	35.91	16.61	43.05	18.51	10.68	11.16
Kicukiro	1.07	3.85	24.13	43.21	19.74	7.87	0.13	5.17	4.41	1.38	2.57	7.28	14.69	19.5	0.88	44.13	7.96	18.88	49.29	23.88	0
Nyanza	4.41	9.58	8.49	45.56	16.63	14.84	0.49	4.64	6.9	5.27	16.69	18.55	7.82	2.98	4.06	33.09	22.05	11.6	42.49	20.67	3.19
Gisagara	2.49	9	25.71	42.31	11.85	6.74	1.89	4.86	3.62	2.72	15.89	19.33	13.35	3.07	1.56	35.6	6.51	17.48	34.42	34.81	6.79
Nyaruguru	16.17	7.21	15.2	32.75	9.56	11.87	7.24	15.88	4.77	2.52	13.97	13.06	9.07	5.89	7.13	27.71	34.74	16.51	28.83	18.96	0.96
Huye	2.51	7.56	14.82	37.47	25.8	10.91	0.94	3.53	3.61	5.24	16.52	18.03	13.37	3.88	3.88	31.94	6.46	36.92	16.64	35.07	4.91
Nyamagabe	8.59	23.99	13.86	23.33	9.63	20.22	0.38	16.96	4.02	3.78	11.53	9.35	11.77	7.44	10.85	24.29	17.21	28.89	29.44	22.61	1.85
Ruhango	5.06	8.36	14.42	35.03	15.71	21.42	0	7.3	7.55	6.64	23.73	12.78	9.51	2.48	5.12	24.89	17.82	32.29	23.32	23.05	3.52
Muhanga	5.31	16.57	23.57	26.19	7.35	20.33	0.67	16.28	3.45	2.49	12.81	13.34	9.03	3.6	3.01	36	13.98	33.53	31.62	17.33	3.54
Kamonyi	2.75	7.52	24.69	43.01	11.18	8.19	2.66	5.18	4.36	2.08	9.17	12.06	18.77	8.35	4.3	35.73	17.68	17.13	47.88	10.77	6.55
Karongi	5.42	16.26	28.3	27.09	7.99	14.22	0.72	8.36	5.77	1.59	17.58	14.28	6.9	2.99	4.89	37.63	12.66	15.11	39.17	27.89	5.16
Rutsiro	23.93	30.61	18.48	19.7	1.47	5.12	0.68	6.22	3.53	5.17	14.5	15.62	9.13	4.68	3.78	37.38	11.47	73.1	12.22	3.21	0
Rubavu	28.04	46.38	8.81	8.69	1.43	6.64	0	5.31	6.29	7.49	12.66	14.37	15.01	9.59	12.56	16.72	4.88	26.32	35.03	28.44	5.33
Nyabihu	19.61	30.85	23.46	8.2	3.15	14.61	0.12	9.67	3.52	2.4	13.03	17.35	14.01	10.07	20.19	9.75	0.24	29.04	20.96	29.46	20.29
Ngororero	9.52	33.17	19.93	15.27	7.08	13.79	1.23	12.56	2.52	3.45	7.87	23.72	14.19	3.01	4.85	27.84	3.83	36.97	37.47	21.73	0
Rusizi	3.99	7.45	18.46	56.71	8.45	4.95	0	5.18	1.08	1.5	5.95	13.69	18.2	3.31	1.44	49.65	20.62	35.44	23.83	18.08	2.03
Nyamasheke	6.76	15.21	28.6	22.38	12.69	12.33	2.03	10.22	0.77	1.87	9.42	16.29	7.35	4.88	3.77	45.42	8.07	19.99	56.46	13.46	2.01
Rulindo	11.86	31.29	24.03	16.81	6.57	8.3	1.14	7.14	8.64	6.02	9.27	8.92	21.7	8.78	2.23	27.3	19.74	13.57	31.34	25.41	9.94
Gakenke	7.69	33.42	19.41	19.96	5.09	14.04	0.4	11.5	4.31	4.72	7.46	8.91	15.85	8.77	6.19	32.29	3.52	15.14	67.04	10.82	3.48
Musanze	28.22	40.96	14.02	8.5	1.49	6.62	0.18	6.33	10.06	4.37	16.53	5.73	19.79	10.95	7.17	19.08	15.82	35.88	34.98	10.15	3.17
Burera	25.46	29.23	24.38	11.41	4.76	4.76	0	6.64	10.85	12.18	16.48	9.83	15.77	10.82	5.38	12.04	17.14	25.95	24.77	32.13	0
Gicumbi	7.88	43.63	26.95	10.47	3.57	6.87	0.64	5.55	6.87	3.1	6.68	15.15	23.19	8.31	5.52	25.62	45.49	31.82	16.04	4.3	2.34
Rwamagana	3.15	10.41	17.76	40.25	18.29	9.68	0.46	3.85	5.6	3.34	7.01	12.11	17.44	8.35	3.32	38.98	5.87	16.34	24.98	33.09	19.72
Nyagatare	15.09	42.76	24.57	12.43	0.81	3.65	0.69	0.61	2.06	2.76	11.79	24.21	25.7	4.99	1.2	26.68	21.56	39.01	23.24	16.2	0
Gatsibo	2.7	26.5	29.49	23.76	12.09	3.64	1.82	2.29	3.5	2.98	13.51	15.89	15.11	5.02	1.54	40.16	7.31	28.72	32.84	18.8	12.33
Kayonza	1.22	16.1	31.32	36.89	8.1	5.9	0.47	3.89	6.56	3.72	6.96	12.86	23.53	7.45	2.24	32.79	33.9	7.85	36.94	8.83	12.49
Kirehe	0.4	12.82	19.68	42.86	11.73	9.74	2.77	5.15	4.11	3.09	12.01	16.69	13.39	3.2	0.42	41.94	33.69	24.43	34.3	5.94	1.63
Ngoma	1.02	16.55	30.12	36.83	8.36	4.4	2.72	2.85	4.92	0.97	5.86	15.79	16.04	6.12	0.41	47.05	13.56	16.01	46.77	20.67	2.98
Bugesera	0.18	4.91	17.93	58.15	9.83	7.01	1.99	4.53	2.08	2.13	1.06	10.1	34.68	16.53	0.78	28.1	1.36	10.89	21.1	59.2	7.46
National	8.1	20.21	21.48	29.21	9.41	10.33	1.25	7.28	4.74	3.66	11.63	14.39	15.25	6.23	4.44	32.39	14.18	24.88	30.71	24.76	5.47

Source: NISR, SAS 2025

Table 31: Sowing dates per Season and crop type in 2025 (%)

Crops	Season A							Season B									Season C				
	Before 01/09	Between 01-15/09	Between 16-30/09	Between 01-15/10	Between16-31/10	After 31/10	Other season	Before 01/01	Between 01-15/01	Between 16-31/01	Between 01-15/02	Between 16-28/02	Between 01-15/03	Between16-31/03	After 31/03	Other season	Before 01/05	Between 01-31/05	Between 01-30/06	Between 01-31/07	After 31/07
Maize	6.90	21.96	24.67	33.4	9.4	3.7	0.0	1.6	4.3	5.2	23.9	28.1	27.8	8.1	1.0	0.0					
Sorghum	22.40	27.86	28.14	16.9	3.9	0.8	0.0	7.8	46.0	23.3	18.2	4.0	0.7	0.1	0.0	0.0					
Paddy rice	85.39	9.99	1.16	0.4	1.1	1.9	0.0	10.5	14.2	6.1	36.9	10.4	13.9	2.7	5.2	0.0					
Wheat	10.36	13.87	24.33	21.8	22.8	6.8	0.0	0.0	0.0	0.0	2.8	8.5	25.0	35.4	28.3	0.0					
Other cereals	5.21	10.32	31.32	36.9	11.0	5.3	0.0	1.2	0.9	4.7	20.8	33.4	29.7	9.5	0.0	0.0					
Sweet potato	19.67	9.42	6.30	16.6	9.2	38.9	0.0	30.0	10.9	5.0	10.7	9.2	12.1	6.7	15.4	0.0	25.7	32.6	31.4	8.9	1.4
Irish potato	17.26	27.79	17.79	19.8	6.5	10.8	0.0	1.4	4.4	6.1	11.2	15.4	25.4	16.5	19.6	0.0	8.8	24.3	25.4	33.7	7.8
Taro & Yams	13.41	16.91	15.30	18.8	9.1	26.5	0.0	78.8	2.7	3.7	5.7	2.3	4.1	1.2	1.6	0.0					
Cassava	6.51	18.85	20.70	24.2	8.2	14.6	6.9	2.9	2.7	1.6	5.0	3.4	4.7	1.6	3.3	74.9					
Bush bean	1.37	14.06	22.96	46.1	12.8	2.7	0.0	0.1	0.4	2.3	17.6	31.6	34.0	12.8	1.1	0.0	0.1	4.3	36.8	52.8	6.0
Climbing bean	6.32	32.54	29.17	24.8	6.5	0.7	0.0	0.3	1.0	2.4	21.6	31.9	31.7	9.3	1.9	0.0	2.7	39.3	0.0	38.9	19.2
Pea	10.23	30.56	24.01	21.7	8.4	5.2	0.0	0.2	4.6	4.4	8.6	17.1	23.7	19.8	21.7	0.0	4.6	12.2	36.7	46.0	0.6
Groundnut	0.41	13.14	22.98	49.6	12.4	1.5	0.0	0.0	2.6	5.3	37.4	24.9	20.5	9.2	0.0	0.0	0.0	0.0	52.3	35.3	12.4
Soybean	1.18	16.29	27.02	34.1	15.1	6.4	0.0	0.6	3.3	5.2	25.5	32.1	24.0	8.5	0.9	0.0	0.7	9.0	45.8	37.7	6.9
Cooking banana	1.68	19.39	14.72	15.5	8.9	11.4	28.5	0.0	0.1	0.0	0.1	0.4	0.2	0.1	0.2	98.9					
Dessert banana	0.00	7.01	9.02	13.5	7.0	35.3	28.3	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.0	99.6					
Banana for beer	0.28	21.85	18.76	20.7	4.3	9.3	24.8	0.1	0.1	0.0	0.3	0.1	0.3	0.0	0.1	99.0					
Vegetables	15.83	17.81	10.83	15.9	11.8	27.9	0.0	13.5	8.1	8.5	14.7	14.3	11.1	11.9	17.9	0.0	13.6	28.5	29.4	19.4	9.1
Fruits	37.28	4.65	6.08	15.6	0.0	26.5	9.9	0.3	2.9	1.4	1.8	2.7	2.6	0.6	2.3	85.5					
Fodder crops	2.93	24.66	8.63	25.4	6.1	32.3	0.0	0.4	0.2	1.9	3.0	1.9	3.4	0.7	1.8	86.8					
Other crops	3.18	11.92	11.43	30.2	11.2	30.3	1.8	12.7	1.3	0.3	0.4	0.8	1.4	1.3	2.8	79.0					

Source: NISR, SAS 2025

Table 32: Cultivated area by cropping system, per season and district (%) in 2025

District	Pure			Mixed		
	Season A	Season B	Season C	Season A	Season B	Season C
Nyarugenge	41.81	44.00	60.87	58.19	56.00	39.13
Gasabo	25.21	32.91	83.86	74.79	67.09	16.14
Kicukiro	22.49	33.07	48.62	77.51	66.93	51.38
Nyanza	34.65	34.64	79.06	65.35	65.36	20.94
Gisagara	24.01	26.99	73.71	75.99	73.01	26.29
Nyaruguru	49.22	45.56	87.94	50.78	54.44	12.06
Huye	36.55	35.60	91.40	63.45	64.40	8.60
Nyamagabe	48.31	47.63	85.83	51.69	52.37	14.17
Ruhango	46.24	45.52	81.62	53.76	54.48	18.38
Muhanga	38.69	36.26	81.01	61.31	63.74	18.99
Kamonyi	37.47	33.53	82.60	62.53	66.47	17.40
Karongi	35.82	36.86	80.53	64.18	63.14	19.47
Rutsiro	48.03	56.43	77.77	51.97	43.57	22.23
Rubavu	53.47	50.37	85.93	46.53	49.63	14.07
Nyabihu	64.01	57.45	84.20	35.99	42.55	15.80
Ngororero	49.94	48.65	63.15	50.06	51.35	36.85
Rusizi	31.33	44.58	53.76	68.67	55.42	46.24
Nyamasheke	44.08	49.41	81.07	55.92	50.59	18.93
Rulindo	46.14	46.82	75.74	53.86	53.18	24.26
Gakenke	45.65	42.29	57.65	54.35	57.71	42.35
Musanze	62.54	62.48	89.63	37.46	37.52	10.37
Burera	63.33	67.91	94.37	36.67	32.09	5.63
Gicumbi	43.38	45.47	82.17	56.62	54.53	17.83
Rwamagana	32.66	37.54	64.31	67.34	62.46	35.69
Nyagatare	38.67	24.07	95.91	61.33	75.93	4.09
Gatsibo	29.79	29.69	95.03	70.21	70.31	4.97
Kayonza	33.64	33.80	75.52	66.36	66.20	24.48
Kirehe	38.93	39.65	81.76	61.07	60.35	18.24
Ngoma	26.54	34.28	57.03	73.46	65.72	42.97
Bugesera	36.36	39.16	56.04	63.64	60.84	43.96
National	40.09	40.11	83.52	59.91	59.89	16.48
Small scale farmers	38.60	38.77	-	61.40	61.23	-
Large scale farmers	96.47	94.58	-	3.53	5.42	-

Source: NISR, SAS 2025

Table 33: 2025 Season A_Use of seeds by farmer type per district (Percentage)

District	Percentage of farmers who used improvedseeds			Percentage of sampled plots in which improved seeds was used			Percentage of land size in which improved seeds were used		
	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	SSF
Nyarugenge	26.8	26.8		23.5	23.5		26.1	26.1	
Gasabo	42.5	40.5	85.7	37.0	34.2	52.4	38.7	37.1	89.6
Kicukiro	46.0	44.7	100.0	35.4	34.6	55.6	34.7	32.8	94.6
Nyanza	40.5	39.8	80.0	38.3	37.5	64.7	39.3	38.8	59.8
Gisagara	54.0	52.3	94.7	48.3	46.6	87.0	52.7	48.9	94.7
Nyaruguru	27.1	23.9	100.0	20.3	16.7	84.2	18.9	17.8	81.9
Huye	43.1	39.7	92.6	39.1	35.0	83.7	38.7	35.7	92.4
Nyamagabe	26.5	26.1	60.0	19.5	19.0	44.4	20.6	20.3	69.6
Ruhango	31.8	30.6	88.9	27.4	26.3	57.1	27.5	25.2	97.6
Muhanga	20.6	19.1	88.9	17.6	16.1	71.4	17.2	15.3	92.1
Kamonyi	47.1	45.6	100.0	39.5	37.8	94.7	39.8	38.4	99.4
Karongi	32.3	32.4	-	27.2	27.3	-	27.3	27.4	-
Rutsiro	21.8	21.8		18.2	18.2		17.6	17.6	
Rubavu	25.9	25.6	50.0	24.6	24.6	28.6	24.1	24.1	60.3
Nyabihu	20.7	20.5	100.0	17.7	17.5	100.0	17.5	17.5	100.0
Ngororero	11.1	11.1		9.7	9.7		9.7	9.7	
Rusizi	49.2	49.0	60.0	46.1	45.3	68.8	47.2	44.7	87.0
Nyamasheke	26.0	25.3	71.4	21.4	20.4	77.8	19.4	18.5	88.8
Rulindo	32.9	32.2	80.0	28.9	27.9	61.5	27.6	27.4	78.8
Gakenke	24.6	24.4	50.0	21.5	21.3	50.0	21.2	20.8	89.1
Musanze	24.5	23.8	100.0	22.7	20.2	94.7	20.5	20.2	92.3
Burera	29.9	29.9		24.7	24.7		24.7	24.7	
Gicumbi	28.3	27.7	83.3	23.5	21.7	62.1	20.4	20.3	74.7
Rwamagana	54.3	52.0	87.5	47.1	46.3	49.7	47.9	46.9	83.2
Nyagatare	55.2	52.1	87.0	49.7	46.2	66.7	52.4	50.3	91.2
Gatsibo	49.2	46.7	100.0	42.7	39.0	73.3	43.5	40.6	98.9
Kayonza	47.2	44.6	87.1	44.6	41.3	62.3	45.4	42.8	94.1
Kirehe	52.7	52.0	100.0	45.9	45.0	100.0	47.5	45.3	100.0
Ngoma	52.1	51.0	85.7	47.0	45.2	65.2	46.4	45.6	79.8
Bugesera	40.2	38.8	63.2	34.3	34.3	34.5	35.5	33.3	86.5
National	**37.3**	**35.9**	**85.4**	**33.0**	**31.1**	**60.8**	**34.4**	**32.8**	**91.1**

Source: NISR, SAS 2025

Table 34: 2025 Season B_Use of seeds by farmer type per district (Percentage)

District	Percentage of farmers who used improvedseeds			Percentage of sampled plots in which improved seeds was used			Percentage of land size in which improved seeds were used		
	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF
Nyarugenge	23.0	23.0		19.5	19.5		22.9	22.9	
Gasabo	21.8	19.0	84.6	19.9	15.5	46.6	19.2	17.5	79.5
Kicukiro	15.9	14.5	75.0	11.8	10.3	50.0	13.6	11.5	77.2
Nyanza	22.5	21.6	100.0	19.7	18.9	63.6	21.5	20.2	98.5
Gisagara	19.9	18.3	68.8	17.9	16.5	64.7	22.1	16.5	77.6
Nyaruguru	6.8	6.0	30.0	7.2	4.9	50.0	6.0	5.8	31.2
Huye	11.6	7.6	90.5	10.1	6.6	76.9	8.8	5.8	89.6
Nyamagabe	12.1	11.6	75.0	11.9	10.7	66.7	11.4	11.2	66.7
Ruhango	8.9	7.2	75.0	7.7	6.4	34.6	9.4	7.1	93.6
Muhanga	8.4	7.8	75.0	8.1	6.8	70.0	7.6	7.2	82.8
Kamonyi	17.2	16.3	75.0	14.0	13.2	58.3	13.4	12.8	93.0
Karongi	6.3	6.3	-	5.4	5.4	-	5.4	5.4	-
Rutsiro	7.7	7.7		6.1	6.1		5.8	5.8	-
Rubavu	21.9	21.9	25.0	20.3	20.5	12.5	20.9	21.0	16.0
Nyabihu	37.7	37.6	100.0	32.9	32.8	100.0	32.6	32.5	100.0
Ngororero	15.5	15.5		13.1	13.1		12.7	12.7	-
Rusizi	9.8	9.0	50.0	8.8	8.2	31.3	13.0	8.4	96.2
Nyamasheke	7.9	6.8	66.7	6.4	5.4	66.7	5.5	4.5	82.3
Rulindo	14.4	13.7	60.0	13.2	11.7	53.3	11.5	11.3	68.7
Gakenke	12.5	12.6	-	11.5	11.6	-	11.4	11.4	-
Musanze	15.0	14.7	100.0	14.9	13.2	62.5	16.1	15.9	88.8
Burera	15.1	15.1		13.8	13.8		14.0	14.0	-
Gicumbi	12.9	12.1	83.3	11.8	10.5	52.4	10.4	10.3	71.0
Rwamagana	16.8	13.7	66.7	16.5	11.8	31.3	16.1	14.8	67.2
Nyagatare	62.1	60.9	76.0	54.4	54.3	54.8	59.2	58.5	74.8
Gatsibo	29.9	28.0	73.3	26.4	24.1	45.3	28.1	25.8	90.9
Kayonza	27.0	23.7	82.8	27.9	19.9	74.0	22.7	19.4	91.6
Kirehe	3.9	3.0	77.8	4.0	2.6	76.5	5.6	2.4	97.3
Ngoma	13.0	11.6	57.9	11.3	9.8	27.0	11.5	9.9	74.5
Bugesera	28.4	26.0	75.0	24.9	23.9	30.5	29.9	25.2	91.6
National	**18.0**	**16.7**	**72.1**	**16.6**	**14.6**	**46.4**	**18.7**	**16.9**	**85.5**

Source: NISR, SAS 2025

Table 35: 2025 Season C_Use of seeds by farmer type per district (Percentage)

District	Percentage of farmers who used improved seeds	Percentage of sampled plots in which improved seeds was used	Percentage of land size in which improved seeds were used
Nyarugenge	34.38	65.62	32.04
Gasabo	50	50	63.04
Kicukiro	6.06	93.94	4.84
Nyanza	5.26	94.74	4.25
Gisagara	13	87	11.93
Nyaruguru	5.41	94.59	6.34
Huye	20.9	79.1	28.87
Nyamagabe	18.37	81.63	25.57
Ruhango	5.56	94.44	8.32
Muhanga	29.89	70.11	34.87
Kamonyi	25.53	74.47	28.24
Karongi	37.21	62.79	45.56
Rutsiro	8.33	91.67	5.32
Rubavu	27.94	72.06	24.94
Nyabihu	25.88	74.12	29.60
Ngororero	2.38	97.62	2.93
Rusizi	28.3	71.7	26.99
Nyamasheke	9.52	90.48	8.18
Rulindo	10.71	89.29	11.23
Gakenke	10.26	89.74	4.58
Musanze	17.53	82.47	21.10
Burera	9.68	90.32	7.16
Gicumbi	16.07	83.93	20.14
Rwamagana	41.67	58.33	51.65
Nyagatare	25	75	18.31
Gatsibo	34.88	65.12	38.27
Kayonza	50	50	59.32
Kirehe	21.28	78.72	24.49
Ngoma	11.63	88.37	8.10
Bugesera	18.92	81.08	18.07
National	**18.9**	**81.1**	**21.20**

Source: NISR, SAS 2025

Table 36: Seed use by crop type and season in 2025 (%)

Crop	Traditional seeds			Improved seeds		
	Season A	Season B	Season C	Season A	Season B	Season C
Maize	36.85	43.41		63.15	56.59	
Paddy rice	90.02	91.68		9.98	8.32	
Wheat	78.38	83.35		21.62	16.65	
Irish potato	95.36	95.54	90.13	4.64	4.46	9.87
Cassava	97.37	99.5		2.63	0.5	
Bush bean	98.30	98.97	99.11	1.7	1.03	0.89
Climbing bean	98.20	99.51	100	1.8	0.49	0
Pea	96.47	95.97	95.65	3.53	4.03	4.35
Soybean	98.28	98.56	99.96	1.72	1.44	0.04
Cooking banana	99.82	99.95		0.18	0.05	
Dessert banana	97.51	98.71		2.49	1.29	
Banana for beer	98.74	98.83		1.26	1.17	
Vegetables	63.89	63.32	45.92	36.11	36.68	54.08
Fruits	83.57	79.13		16.43	20.87	
Fodder crops	99.54	99.02		0.46	0.98	
Other crops	87.83	82.49		12.17	17.51	
National	**85.57**	**93.24**	**84.89**	**14.43**	**6.76**	**15.11**

Source: NISR, SAS 2025

Table 37: 2025 Season A_Percentage of farmers by source of improved seeds per district

District	Sources of improved seeds							Total
	Government (MINAGRI/ RAB/NAEB)	Recognized seed multipliers	Agro- dealers	NGOs/Companies	Market	Agriculture cooperative	Other source	
Nyarugenge	-	-	60.0	40.0	-	-	-	100
Gasabo	-	6.3	82.8	1.6	6.3	3.1	-	100
Kicukiro	-	11.4	77.1	8.6	-	-	2.9	100
Nyanza	2.4	4.8	59.5	27.4	-	4.8	1.2	100
Gisagara	4.7	12.3	34.0	26.4	9.4	7.6	5.7	100
Nyaruguru	8.3	10.4	41.7	37.5	2.1	-	-	100
Huye	4.1	7.1	19.4	54.1	4.1	10.2	1.0	100
Nyamagabe	6.4	14.3	27.0	46.0	1.6	4.8	-	100
Ruhango	2.2	37.8	8.9	42.2	1.1	7.8	-	100
Muhanga	13.2	13.2	23.7	36.8	-	10.5	2.6	100
Kamonyi	3.0	5.0	52.5	22.8	7.9	8.9	-	100
Karongi	3.1	1.5	43.1	44.6	1.5	3.1	3.1	100
Rutsiro	2.2	8.7	28.3	50.0	4.4	2.2	4.4	100
Rubavu	8.2	6.6	24.6	21.3	32.8	6.6	-	100
Nyabihu	16.7	13.3	30.0	23.3	11.7	5.0	-	100
Ngororero	-	-	40.0	50.0	10.0	-	-	100
Rusizi	8.9	1.3	51.9	36.7	-	1.3	-	100
Nyamasheke	3.4	5.1	30.5	52.5	3.4	5.1	-	100
Rulindo	-	1.4	38.4	42.5	6.9	5.5	5.5	100
Gakenke	1.5	16.7	39.4	24.2	13.6	3.0	1.5	100
Musanze	7.8	2.2	51.1	32.2	5.6	1.1	-	100
Burera	3.7	8.4	30.8	38.3	14.0	3.7	0.9	100
Gicumbi	8.2	4.1	19.2	61.6	4.1	-	2.7	100
Rwamagana	2.9	6.5	16.7	71.7	1.5	0.7	-	100
Nyagatare	1.1	9.2	45.1	36.4	1.1	7.1	-	100
Gatsibo	16.0	0.6	22.7	54.0	2.5	4.3	-	100
Kayonza	17.7	9.2	31.9	34.5	5.0	1.7	-	100
Kirehe	1.5	3.5	18.8	56.9	0.5	16.8	2.0	100
Ngoma	3.3	8.6	11.3	55.6	7.3	4.6	9.3	100
Bugesera	1.0	2.9	36.2	43.8	3.8	11.4	1.0	100
National	**5.2**	**7.6**	**33.2**	**41.8**	**5.0**	**5.7**	**1.6**	**100**

Source: NISR, SAS 2025

Table 38: 2025 Season B_Percentage of farmers by source of improved seeds per district

District	Government (MINAGRI/ RAB/NAEB)	Recognized seed multipliers	Agro- dealers	NGOs/ Companies	Market	Agriculture coop- erative	Other source	Total
Nyarugenge	6.3	-	37.5	37.5	18.8	-	-	100
Gasabo	-	20.0	68.6	5.7	-	5.7	-	100
Kicukiro	-	-	50.0	25.0	16.7	8.3	-	100
Nyanza	7.0	14.0	37.2	30.2	2.3	9.3	-	100
Gisagara	-	17.0	40.4	21.3	4.3	4.3	12.8	100
Nyaruguru	20.0	30.0	10.0	20.0	-	20.0	-	100
Huye	11.1	11.1	16.7	16.7	-	44.4	-	100
Nyamagabe	43.2	8.1	24.3	21.6	2.7	-	-	100
Ruhango	8.7	47.8	-	30.4	4.4	8.7	-	100
Muhanga	5.3	21.1	31.6	26.3	5.3	10.5	-	100
Kamonyi	13.5	-	32.4	32.4	13.5	8.1	-	100
Karongi	-	-	25.0	62.5	12.5	-	-	100
Rutsiro	-	-	52.6	42.1	-	-	5.3	100
Rubavu	1.6	9.5	31.8	6.4	38.1	11.1	1.6	100
Nyabihu	7.7	17.3	17.3	31.7	14.4	10.6	1.0	100
Ngororero	7.3	2.4	29.3	61.0	-	-	-	100
Rusizi	33.3	14.8	37.0	3.7	3.7	7.4	-	100
Nyamasheke	20.0	16.0	36.0	12.0	-	16.0	-	100
Rulindo	8.0	8.0	28.0	20.0	8.0	4.0	24.0	100
Gakenke	9.5	19.1	9.5	23.8	33.3	-	4.8	100
Musanze	16.7	4.2	41.7	16.7	8.3	12.5	-	100
Burera	14.3	16.7	23.8	31.0	11.9	-	2.4	100
Gicumbi	10.5	2.6	39.5	39.5	7.9	-	-	100
Rwamagana	4.9	17.1	17.1	41.5	12.2	7.3	-	100
Nyagatare	6.2	7.3	41.6	41.0	-	3.9	-	100
Gatsibo	21.8	6.4	25.6	35.9	2.6	7.7	-	100
Kayonza	18.5	23.1	21.5	33.9	3.1	-	-	100
Kirehe	5.9	11.8	11.8	47.1	-	23.5	-	100
Ngoma	9.5	33.3	11.9	14.3	23.8	4.8	2.4	100
Bugesera	3.9	2.6	29.9	48.1	5.2	9.1	1.3	100
National	**10.4**	**12.0**	**30.2**	**30.6**	**7.9**	**7.4**	**1.5**	**100**

Source: NISR, SAS 2025

Table 39: 2025 Season C_Percentage of farmers by source of improved seeds per district

District	Sources of improved seeds							
	Government (MINAGRI/	Recognized multipliers	Agro- dealers	NGOs/	Market	Agriculture cooperative	Other source	Total
Nyarugenge	-	-	-	-	70.0	30.0	-	100
Gasabo	-	-	33.3	-	44.4	11.1	11.1	100
Kicukiro	-	-	100.0	-	-	-	-	100
Nyanza	-	25.0	50.0	-	25.0	-	-	100
Gisagara	-	-	75.0	-	16.7	8.3	-	100
Nyaruguru	-	-	66.7	-	-	33.3	-	100
Huye	7.7	-	61.5	7.7	23.1	-	-	100
Nyamagabe	-	40.0	20.0	10.0	30.0	-	-	100
Ruhango	-	-	100.0	-	-	-	-	100
Muhanga	-	4.0	44.0	16.0	24.0	12.0	-	100
Kamonyi	8.3	-	50.0	-	33.3	8.3	-	100
Karongi	-	7.7	38.5	-	38.5	15.4	-	100
Rutsiro	-	-	50.0	50.0	-	-	-	100
Rubavu	-	15.8	42.1	5.3	36.8	-	-	100
Nyabihu	36.4	31.8	27.3	-	4.6	-	-	100
Ngororero	-	-	-	100.0	-	-	-	100
Rusizi	8.3	-	66.7	8.3	16.7	-	-	100
Nyamasheke	-	-	-	66.7	-	33.3	-	100
Rulindo	-	-	66.7	-	33.3	-	-	100
Gakenke	-	-	100.0	-	-	-	-	100
Musanze	35.3	23.5	41.2	-	-	-	-	100
Burera	18.2	27.3	9.1	36.4	9.1	-	-	100
Gicumbi	-	37.5	25.0	-	12.5	12.5	12.5	100
Rwamagana	-	7.1	71.4	-	21.4	-	-	100
Nyagatare	-	42.9	57.1	-	-	-	-	100
Gatsibo	-	-	60.0	6.7	33.3	-	-	100
Kayonza	-	13.3	60.0	6.7	6.7	6.7	6.7	100
Kirehe	-	-	30.0	-	70.0	-	-	100
Ngoma	-	-	100.0	-	-	-	-	100
Bugesera	15.4	-	69.2	-	15.4	-	-	100
National	**7.0**	**11.0**	**47.5**	**6.0**	**22.4**	**5.0**	**1.0**	**100**

Source: NISR, SAS 2025

Table 40: 2025 Season A_Percentage of crops by source of seeds

Crop	Government (MINAGRI/RAB/	Recognized seed multipliers	Agro dealers	NGOs/	Market	Agriculture cooperative	Other source	Total
Maize	3.0	2.0	36.6	51.4	3.5	3.2	0.4	100
Paddy rice	5.0	38.3	1.7	-	1.7	51.7	1.7	100
Wheat	57.1	14.3	21.4	7.1	-	-	-	100
Irish potato	24.6	38.9	10.3	8.7	8.7	5.6	3.2	100
Cassava	25.4	41.8	11.9	6.0	3.0	2.2	9.7	100
Bush bean	15.6	14.7	9.2	22.9	22.0	7.3	8.3	100
Climbing bean	14.1	14.1	32.8	18.8	7.8	7.8	4.7	100
Pea	50.0	28.6	21.4	-	-	-	-	100
Soybean	19.2	11.5	34.6	15.4	3.9	7.7	7.7	100
Cooking banana	7.1	7.1	-	42.9	14.3	14.3	14.3	100
Dessert banana	12.8	25.5	19.2	19.2	2.1	4.3	17.0	100
Banana for beer	6.0	32.0	18.0	12.0	4.0	4.0	24.0	100
Vegetables	1.8	2.4	50.9	7.9	35.5	0.6	0.9	100
Fruits	34.1	33.0	4.6	15.9	8.0	3.4	1.1	100
Fodder crops	36.0	6.0	46.0	6.0	2.0	2.0	2.0	100
Other crops	25.0	26.9	-	9.6	5.8	28.9	3.9	100

Source: NISR, SAS 2025

Table 41: 2025 Season B_Percentage of crops by source of seeds

Crop	Government (MINAGRI/RAB/	Recognized seed multi-pliers	Agro dealers	NGOs/	Market	Agriculture cooperative	Other source	Total
Maize	3.7	1.7	39.3	50.3	3.1	1.7	0.3	100
Sorghum	9.1	18.2	18.2	-	45.5	-	9.1	100
Paddy rice	2.6	47.0	2.6	2.6	0.9	44.4	-	100
Wheat	25.8	9.7	25.8	29.0	3.2	3.2	3.2	100
Other cereals	25.0	-	-	25.0	25.0	25.0	-	100
Sweet potato	85.7	14.3	-	-	-	-	-	100
Irish potato	23.9	45.5	6.8	11.4	10.2	1.1	1.1	100
Cassava	37.0	40.7	3.7	11.1	-	3.7	3.7	100
Bush bean	23.0	20.3	16.2	9.5	10.8	2.7	17.6	100
Climbing bean	37.0	18.5	11.1	11.1	14.8	3.7	3.7	100
Pea	66.7	-	-	8.3	16.7	8.3	-	100
Groundnut	-	-	-	-	100.0	-	-	100
Soybean	19.1	23.8	31.0	7.1	4.8	14.3	-	100
Cooking banana	14.3	42.9	14.3	-	-	-	28.6	100
Dessert banana	11.9	40.5	7.1	7.1	-	4.8	28.6	100
Banana for beer	5.3	34.2	7.9	13.2	7.9	7.9	23.7	100
Vegetables	0.7	4.3	51.6	8.2	32.2	0.7	2.3	100
Fruits	25.3	42.7	9.3	4.0	14.7	2.7	1.3	100
Fodder crops	26.9	15.4	42.3	7.7	-	7.7	-	100
Other crops	59.8	16.4	0.9	3.7	2.3	16.0	0.9	100

Source: NISR, SAS 2025

Table 42: 2025 Season C_Percentage of crops by source of seeds

Crop	Government (MINAGRI/RAB/	Recognized seed multipliers	Agro dealers	NGOs/	Market	Agriculture cooperative	Other source	Total
Sweet potato	60.00	20.00	-	20.00	-	-	-	100
Irish potato	30.00	50.00	4.00	10.00	-	6.00	-	100
Bush bean	-	-	-	50.00	-	50.00	-	100
Soybean	100.00	-	-	-	-	-	-	100
Vegetables	-	50.00	-	-	-	50.00	-	100
Other crops	0.84	2.51	58.58	4.60	28.03	4.18	1.26	100
Total	**7.02**	**11.04**	**47.49**	**6.02**	**22.41**	**5.02**	**1.00**	**100**

Source: NISR, SAS 2025

Table 43: 2025 Season A_Use of organic fertilizer by farmer type per district (Percentage)

District	Percentage of farmers who applied organic fertilizer			Percentage of plots in which organic fertilizer was applied			Percentage of land size in which organic fertilizer was applied		
	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF
Nyarugenge	80.3	80.3		58.8	58.8		53.4	53.4	
Gasabo	85.7	86.4	71.4	71.0	71.0	60.7	72.1	72.2	65.6
Kicukiro	70.1	70.6	50.0	74.1	74.1	100.0	67.2	66.1	100.0
Nyanza	83.2	83.1	90.0	76.6	76.6	75.0	77.9	77.3	99.2
Gisagara	89.0	90.5	52.6	75.9	75.9	100.0	78.9	78.5	100.0
Nyaruguru	98.1	98.0	100.0	78.5	78.5	94.4	81.0	80.7	98.9
Huye	86.0	86.0	85.2	85.9	85.9	94.9	85.9	85.2	98.3
Nyamagabe	96.7	96.7	100.0	82.8	82.8	66.7	79.6	79.5	88.2
Ruhango	85.6	86.0	66.7	69.3	69.3	50.0	68.2	67.3	98.8
Muhanga	95.5	95.4	100.0	86.1	86.1	100.0	86.4	86.1	100.0
Kamonyi	89.4	89.1	100.0	71.3	71.3	79.0	70.1	69.4	97.6
Karongi	91.0	91.2	0.0	74.1	74.1		73.4	73.4	
Rutsiro	90.1	90.1		83.6	83.6		83.2	83.2	
Rubavu	65.9	65.8	75.0	58.9	58.9	75.0	59.1	59.1	74.2
Nyabihu	94.6	94.6	100.0	73.9	73.9	100.0	72.6	72.6	100.0
Ngororero	95.5	95.5		82.3	82.3		81.8	81.8	
Rusizi	87.3	88.8	20.0	82.1	82.1	100.0	80.8	80.4	101.7
Nyamasheke	96.5	96.9	71.4	79.8	79.8	85.7	75.8	75.6	105.2
Rulindo	98.1	98.1	100.0	82.3	82.3	100.0	82.0	82.0	100.4
Gakenke	96.4	96.6	75.0	88.1	88.1	100.0	89.4	89.4	98.5
Musanze	87.0	86.9	100.0	80.1	80.1	66.7	81.3	81.3	98.5
Burera	95.1	95.1		79.3	79.3		79.2	79.2	
Gicumbi	96.9	96.8	100.0	82.9	82.9	93.1	84.0	84.0	96.4
Rwamagana	88.6	88.7	87.5	69.5	69.5	66.3	76.5	76.3	89.9
Nyagatare	74.3	75.7	60.4	68.4	68.4	71.4	68.5	67.9	93.4
Gatsibo	89.0	88.8	93.6	80.7	80.7	68.3	81.2	80.6	95.5
Kayonza	79.2	80.1	64.5	74.1	74.1	57.6	75.8	76.0	72.2
Kirehe	92.2	92.4	80.0	65.6	65.6	100.0	72.6	71.4	100.0
Ngoma	85.7	85.7	85.7	73.9	73.9	76.6	76.8	76.3	96.2
Bugesera	69.2	68.5	81.6	66.0	66.0	73.8	62.4	60.7	88.4
National	**88.0**	**88.**	**77.5**	**77.9**	**77.9**	**73.0**	**76.9**	**76.5**	**94.1**

Source: NISR, SAS 2025

Table 44: 2025 Season B_Use of organic fertilizer by farmer type per district (%)

District	Percentage of farmers who applied organic fertilizer			Percentage of plots in which organic fertilizer was applied			Percentage of land size in which organic fertilizer was applied		
	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF
Nyarugenge	79.1	79.1		45.5	45.5		51.7	51.7	
Gasabo	80.8	82.0	53.9	69.2	69.2	48.4	70.9	71.3	37.3
Kicukiro	59.4	58.4	100.0	65.7	65.7	57.1	64.7	63.8	79.6
Nyanza	69.4	69.2	83.3	67.4	67.4	60.0	69.2	68.6	98.0
Gisagara	77.9	79.6	25.0	65.2	65.2	60.0	67.7	69.2	26.4
Nyaruguru	96.0	95.9	100.0	73.8	73.8	100.0	72.2	72.0	100.0
Huye	83.2	82.8	90.5	90.2	90.2	100.0	89.9	89.4	100.0
Nyamagabe	96.1	96.1	100.0	75.9	75.9	66.7	74.6	74.5	82.4
Ruhango	87.0	88.1	41.7	70.8	70.8	76.5	70.8	70.1	97.6
Muhanga	97.6	97.6	100.0	68.3	68.3	90.0	72.0	71.9	96.3
Kamonyi	85.7	85.8	75.0	59.3	59.3	100.0	61.7	61.4	100.0
Karongi	91.1	91.1	100.0	71.8	71.8	25.0	72.2	72.2	9.0
Rutsiro	90.5	90.5		78.5	78.5		77.7	77.7	
Rubavu	60.5	60.6	50.0	64.8	64.8	100.0	64.5	64.4	100.0
Nyabihu	95.7	95.7	100.0	74.0	74.0	100.0	74.3	74.3	100.0
Ngororero	97.8	97.8		70.1	70.1		72.3	72.3	
Rusizi	71.3	72.3	20.0	69.7	69.7	83.3	63.9	63.9	97.6
Nyamasheke	94.4	94.7	77.8	64.8	64.8	100.0	64.9	64.5	100.0
Rulindo	96.8	97.1	80.0	81.3	81.3	64.3	82.3	82.4	56.1
Gakenke	99.0	99.2	50.0	79.6	79.6	100.0	79.8	79.7	100.0
Musanze	91.3	91.3	100.0	77.1	77.1	43.8	70.9	71.0	34.8
Burera	93.3	93.3		79.9	79.9		84.3	84.3	
Gicumbi	97.9	97.8	100.0	79.4	79.4	81.0	77.2	77.2	88.8
Rwamagana	75.8	74.7	93.3	69.1	69.1	58.2	66.6	66.1	82.6
Nyagatare	63.4	65.9	36.0	63.9	63.9	64.4	67.3	67.5	49.5
Gatsibo	79.8	80.2	70.0	66.8	66.8	60.3	70.0	69.0	91.6
Kayonza	68.1	68.8	55.2	60.3	60.3	87.5	65.5	65.4	72.8
Kirehe	57.0	56.9	66.7	43.8	43.8	80.0	49.0	47.6	75.6
Ngoma	53.8	53.3	68.4	60.2	60.2	58.9	55.9	54.6	92.9
Bugesera	66.1	66.4	59.4	54.4	54.4	65.2	56.6	52.9	99.3
National	**80.8**	**81.2**	**63.8**	**71.1**	**71.1**	**66.4**	**69.6**	**69.4**	**84.3**

Source: NISR, SAS 2025

Table 45: 2025 Season C_Use of organic fertilizer by farmer type per district (%)

District	Percentage of farmers who applied organic fertilizer	Percentage of plots in which organic fertilizer was applied	Percentage of land size in which organic fertilizer was applied
Nyarugenge	66.7	62.4	64.4
Gasabo	100.0	78.9	88.8
Kicukiro	24.1	70.7	72.7
Nyanza	80.6	92.2	87.0
Gisagara	79.4	86.2	87.4
Nyaruguru	95.8	89.5	88.0
Huye	84.8	85.8	96.0
Nyamagabe	93.6	95.2	95.3
Ruhango	100.0	94.0	89.0
Muhanga	93.8	90.1	89.3
Kamonyi	95.6	77.8	93.6
Karongi	93.0	92.5	92.3
Rutsiro	86.4	66.9	90.2
Rubavu	62.1	65.0	73.2
Nyabihu	92.4	97.4	95.6
Ngororero	80.0	88.1	93.6
Rusizi	88.2	98.5	86.4
Nyamasheke	90.5	96.9	95.5
Rulindo	86.3	95.0	93.4
Gakenke	94.7	81.4	78.7
Musanze	96.6	91.6	94.3
Burera	97.5	88.7	93.3
Gicumbi	97.9	95.8	93.5
Rwamagana	62.9	91.8	78.5
Nyagatare	65.4	78.2	41.4
Gatsibo	77.5	93.5	89.0
Kayonza	67.9	82.0	78.9
Kirehe	83.3	64.7	76.2
Ngoma	54.8	70.7	75.5
Bugesera	48.6	67.4	74.1
National	**83.5**	**87.6**	**88.6**

Source: NISR, SAS 2025

Table 46: 2025 Season A Use of inorganic fertilizer by farmer type per district (%)

District	Percentage of farmers who used inorganic fertilizers			Percentage of plots in which inorganic fertilizer was applied			Percentage of land under which inorganic fertilizer was applied		
	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF
Nyarugenge	31.7	31.7		45.3	45.3		41.1	41.1	
Gasabo	52.6	51.0	85.7	51.5	52.1	46.3	58.2	56.6	85.2
Kicukiro	60.3	59.4	100.0	59.2	59.2	100.0	54.7	52.1	100.0
Nyanza	33.4	32.1	100.0	59.6	59.5	64.7	63.4	60.1	99.1
Gisagara	61.4	59.9	100.0	54.4	54.4	100.0	64.5	59.2	100.0
Nyaruguru	86.3	85.7	100.0	56.5	57.5	84.2	67.2	66.5	98.4
Huye	49.1	45.8	96.3	61.5	61.7	94.1	64.8	60.4	99.0
Nyamagabe	74.2	73.9	100.0	53.0	52.5	100.0	57.8	57.5	100.0
Ruhango	33.3	32.0	100.0	47.1	47.1	47.6	46.1	40.8	98.7
Muhanga	45.0	43.8	100.0	42.1	42.5	100.0	43.6	40.2	100.0
Kamonyi	45.8	44.3	100.0	35.9	35.9	79.0	37.1	34.1	97.6
Karongi	62.5	62.7	0.0	51.2	51.4	0.0	55.5	55.5	0.0
Rutsiro	61.2	61.2		59.5	60.4		64.7	64.7	
Rubavu	68.7	68.6	75.0	64.9	63.5	75.0	70.0	70.0	86.5
Nyabihu	76.5	76.5	100.0	61.8	61.0	100.0	66.2	66.1	100.0
Ngororero	68.3	68.3		57.2	56.3		57.4	57.4	
Rusizi	84.2	84.1	90.0	69.9	70.5	88.9	79.3	77.9	100.0
Nyamasheke	81.7	81.4	100.0	60.6	61.3	88.9	61.7	61.1	99.8
Rulindo	69.6	69.4	80.0	58.1	57.3	90.9	57.2	57.1	99.4
Gakenke	80.2	80.2	75.0	56.3	57.0	100.0	62.5	62.3	100.0
Musanze	73.4	73.1	100.0	63.4	63.4	68.4	69.3	69.2	89.2
Burera	70.9	70.9		55.5	55.9		61.5	61.5	
Gicumbi	61.1	60.7	100.0	55.4	58.2	55.2	52.8	52.8	62.7
Rwamagana	66.1	65.3	78.1	61.9	62.8	56.1	68.1	67.3	90.8
Nyagatare	75.0	72.8	98.1	58.2	58.1	81.8	74.7	73.0	97.9
Gatsibo	67.4	65.8	100.0	60.9	60.9	60.7	69.6	67.5	98.6
Kayonza	56.0	54.0	87.1	63.6	63.6	73.1	74.3	72.3	93.6
Kirehe	75.2	75.0	90.0	52.3	52.7	100.0	69.4	67.7	100.0
Ngoma	61.4	60.6	85.7	52.9	53.3	62.3	59.5	58.2	94.1
Bugesera	45.0	42.9	81.6	59.6	59.7	57.1	62.8	59.8	91.9
National	**63.2**	**62.4**	**91.9**	**56.5**	**56.5**	**69.0**	**64.0**	**62.5**	**97.2**

Source: NISR, SAS 2025

Table 47: 2025 Season B Use of inorganic fertilizer by farmer type per district (%)

District	Percentage of farmers who used inorganic fertilizers			Percentage of plots in which inorganic fertilizer was applied			Percentage of land under which inorganic fertilizer was applied		
	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF
Nyarugenge	30.9	30.9		40.8	40.8		40.7	40.7	
Gasabo	51.0	49.5	84.6	57.6	57.6	56.0	58.1	56.5	86.4
Kicukiro	41.8	41.0	75.0	58.6	58.6	66.7	59.6	56.1	99.1
Nyanza	29.3	28.7	83.3	39.6	39.6	100.0	43.0	39.0	100.0
Gisagara	38.8	36.8	100.0	35.6	35.6	100.0	58.6	47.8	100.0
Nyaruguru	79.1	78.5	100.0	56.7	56.7	57.9	62.2	61.9	95.4
Huye	30.9	27.5	100.0	61.0	61.0	100.0	59.6	53.9	100.0
Nyamagabe	69.1	68.8	100.0	54.6	54.6	91.7	56.9	56.7	98.3
Ruhango	24.2	22.5	91.7	41.6	41.6	87.5	46.2	40.1	98.2
Muhanga	43.3	42.7	100.0	31.6	31.6	100.0	34.2	33.2	100.0
Kamonyi	37.4	36.6	87.5	32.4	32.4	100.0	37.6	36.4	100.0
Karongi	51.0	51.1	0.0	52.2	52.2	0.0	59.3	59.3	0.0
Rutsiro	61.7	61.7		57.9	57.9		62.0	62.0	
Rubavu	71.3	71.5	50.0	73.7	73.7	100.0	77.4	77.3	100.0
Nyabihu	88.2	88.2	100.0	65.5	65.5	100.0	69.4	69.4	100.0
Ngororero	73.7	73.7		51.0	51.0		51.6	51.6	
Rusizi	61.7	61.4	80.0	61.2	61.2	81.8	66.5	63.9	99.9
Nyamasheke	77.1	76.9	88.9	52.3	52.3	100.0	56.0	55.2	100.0
Rulindo	67.2	67.1	80.0	52.7	52.7	85.7	55.7	55.6	88.1
Gakenke	83.4	83.5	50.0	50.0	50.0	100.0	51.6	51.6	100.0
Musanze	74.3	74.1	100.0	56.5	56.5	43.8	59.5	59.4	81.4
Burera	70.8	70.8		57.6	57.6		63.7	63.7	
Gicumbi	64.3	63.9	100.0	51.0	51.0	61.9	49.8	49.8	87.1
Rwamagana	48.5	47.4	66.7	62.1	62.1	53.5	67.1	66.3	88.5
Nyagatare	76.1	74.9	90.0	62.2	62.2	66.9	75.0	73.7	95.4
Gatsibo	58.3	57.3	80.0	53.4	53.4	53.7	65.3	63.6	94.0
Kayonza	48.8	46.6	86.2	59.2	59.2	96.7	65.8	62.6	98.4
Kirehe	43.3	42.7	88.9	42.9	42.9	100.0	58.0	54.6	100.0
Ngoma	30.1	29.4	52.6	40.3	40.2	59.1	50.9	47.4	98.8
Bugesera	45.5	43.7	81.3	48.8	48.8	52.4	59.1	52.3	99.5
National	**55.5**	**54.8**	**83.7**	**52.8**	**52.8**	**67.3**	**60.0**	**58.3**	**97.8**

Source: NISR, SAS 2025

Table 48: 2025 Season C Use of inorganic fertilizer by farmer type per district (%)

District	Percentage of farmers who applied Inorganic fertilizer	Percentage of plots in which Inorganic fertilizer was applied	Percentage of land size in which Inorganic fertilizer was applied
Nyarugenge	56.67	27.71	38.75
Gasabo	83.33	67.41	80.15
Kicukiro	62.07	56.72	54.52
Nyanza	61.11	45.19	52.33
Gisagara	53.26	36.66	41.68
Nyaruguru	45.83	17.37	23.65
Huye	52.54	42.61	54.94
Nyamagabe	59.57	54.74	62.10
Ruhango	30.19	23.66	30.40
Muhanga	56.25	48.63	50.02
Kamonyi	73.33	45.9	68.26
Karongi	53.49	47.38	56.33
Rutsiro	68.18	60.5	78.79
Rubavu	69.7	42.82	59.18
Nyabihu	96.2	92.81	94.84
Ngororero	35	21.69	23.84
Rusizi	78.43	64.57	82.00
Nyamasheke	50	30.66	31.60
Rulindo	68.63	65.06	59.95
Gakenke	52.63	23.63	13.07
Musanze	78.65	59.3	86.32
Burera	90.98	64.68	77.33
Gicumbi	75	77.03	66.95
Rwamagana	91.43	81.71	91.79
Nyagatare	57.69	25.36	72.24
Gatsibo	75	68.1	66.24
Kayonza	92.86	53.5	89.88
Kirehe	69.05	37.64	57.76
Ngoma	47.62	30.84	18.39
Bugesera	65.71	64.26	49.81
National	65.82	52.31	65.68

Source: NISR, SAS 2025

Table 49: 2025 Season A Percentage of farmers by source of inorganic fertilizers per district

District	Government (MINAGRI/RAB/NAEB)	Agro dealers	NGOs/Companies	Market	Agriculture cooperative	Other source	Total
Nyarugenge	2.2	44.4	46.7	6.7	-	-	100
Gasabo	1.2	90.7	3.1	-	4.9	-	100
Kicukiro	-	92.4	5.7	1.9	-	-	100
Nyanza	1.2	60.1	33.5	4.1	1.2	-	100
Gisagara	3.3	45.9	40.5	2.0	8.3	-	100
Nyaruguru	1.9	25.5	65.3	5.9	1.5	-	100
Huye	0.5	26.7	61.2	6.8	4.9	-	100
Nyamagabe	3.8	38.0	51.6	2.5	3.2	1.0	100
Ruhango	6.5	24.5	59.4	1.9	7.7	-	100
Muhanga	14.7	19.5	55.8	6.8	2.6	0.5	100
Kamonyi	2.1	34.2	41.8	10.6	11.4	-	100
Karongi	1.4	46.6	50.7	-	1.4	-	100
Rutsiro	5.8	40.7	48.6	4.2	0.8	-	100
Rubavu	0.8	59.1	23.8	14.7	1.6	-	100
Nyabihu	-	58.9	24.5	14.7	2.0	-	100
Ngororero	0.9	33.9	59.3	6.0	-	-	100
Rusizi	1.6	56.1	41.0	0.5	0.8	-	100
Nyamasheke	1.4	42.9	49.6	4.6	1.6	-	100
Rulindo	0.8	46.9	43.0	3.1	6.3	-	100
Gakenke	5.7	58.7	32.2	2.2	1.2	-	100
Musanze	0.6	69.4	27.3	1.9	0.3	0.6	100
Burera	1.1	49.4	37.8	8.9	2.8	-	100
Gicumbi	6.4	30.6	59.7	2.7	0.6	-	100
Rwamagana	1.8	21.5	71.3	3.3	2.1	-	100
Nyagatare	0.7	57.8	37.1	1.1	3.1	0.2	100
Gatsibo	12.0	29.2	51.1	5.2	2.5	-	100
Kayonza	6.7	47.4	39.7	4.6	1.8	-	100
Kirehe	1.5	23.7	55.0	4.5	13.9	1.3	100
Ngoma	4.1	14.6	72.3	4.4	3.9	0.8	100
Bugesera	0.3	43.1	46.1	3.0	7.6	-	100
National	3.0	42.8	45.9	4.6	3.5	0.2	100

Source: NISR, SAS 2025

Table 50: 2025 Season B Percentage of farmers by source of inorganic fertilizers per district

District	Government (MINAGRI/RAB/NAEB)	Agro dealers	NGOs/Companies	Market	Agriculture cooperative	Othersource	Total
Nyarugenge	-	74.4	20.9	4.7	-	-	100.0
Gasabo	-	90.5	2.6	-	7.0	-	100.0
Kicukiro	-	74.7	16.9	8.5	-	-	100.0
Nyanza	1.9	62.6	29.7	2.6	3.2	-	100.0
Gisagara	2.1	55.5	26.2	6.3	10.0	-	100.0
Nyaruguru	2.7	14.7	77.5	3.9	1.2	-	100.0
Huye	3.7	31.6	44.1	8.1	12.5	-	100.0
Nyamagabe	6.3	44.5	42.0	3.1	3.8	0.3	100.0
Ruhango	6.8	20.5	64.1	1.7	6.0	0.9	100.0
Muhanga	1.7	35.0	57.8	4.4	1.1	-	100.0
Kamonyi	6.1	37.4	33.8	12.1	10.6	-	100.0
Karongi	5.9	31.4	59.3	2.5	0.9	-	100.0
Rutsiro	4.7	44.9	49.6	0.4	0.4	-	100.0
Rubavu	0.7	68.9	20.5	8.5	1.4	-	100.0
Nyabihu	-	58.0	31.9	8.7	1.4	-	100.0
Ngororero	0.3	38.8	55.4	5.0	0.6	-	100.0
Rusizi	1.3	54.1	38.3	2.2	4.1	-	100.0
Nyamasheke	5.7	32.7	56.2	4.1	1.4	-	100.0
Rulindo	2.6	38.0	54.7	2.1	2.6	-	100.0
Gakenke	0.7	57.0	36.4	5.4	0.5	-	100.0
Musanze	-	70.3	27.3	2.2	0.3	-	100.0
Burera	0.6	54.7	37.4	7.0	0.3	-	100.0
Gicumbi	1.7	33.6	59.2	3.9	1.7	-	100.0
Rwamagana	1.2	32.7	57.6	4.1	3.3	1.2	100.0
Nyagatare	0.9	49.1	45.2	0.4	4.3	-	100.0
Gatsibo	16.7	31.2	43.2	5.4	3.2	0.3	100.0
Kayonza	3.9	49.8	40.4	4.7	1.2	-	100.0
Kirehe	1.6	32.0	46.0	13.4	6.5	0.6	100.0
Ngoma	3.2	12.6	63.7	6.3	13.2	1.1	100.0
Bugesera	1.0	38.3	52.2	3.6	4.6	0.3	100.0
National	**3.0**	**44.5**	**44.4**	**4.8**	**3.2**	**0.1**	**100.0**

Source: NISR, SAS 2025

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Table 51: 2025 Season C Percentage of farmers by source of inorganic fertilizers per district

District	Government (MINAGRI/RAB/ NAEB)	Agro dealers	NGOs /Companies	Market	Agriculture cooperative	Total
Nyarugenge	-	23.53	41.18	5.88	29.41	100
Gasabo	-	80	6.67	6.67	6.67	100
Kicukiro	-	88.89	5.56	5.56	-	100
Nyanza	-	29.55	36.36	4.55	29.55	100
Gisagara	-	53.06	20.41	2.04	24.49	100
Nyaruguru	-	33.33	57.58	6.06	3.03	100
Huye	9.68	38.71	41.94	9.68	-	100
Nyamagabe	-	57.14	32.14	7.14	3.57	100
Ruhango	-	31.25	43.75	25	-	100
Muhanga	-	51.11	26.67	6.67	15.56	100
Kamonyi	-	51.52	30.3	9.09	9.09	100
Karongi	-	43.48	43.48	13.04	-	100
Rutsiro	-	80	20	-	-	100
Rubavu	-	73.91	21.74	4.35	-	100
Nyabihu	1.32	84.21	9.21	2.63	2.63	100
Ngororero	-	57.14	28.57	14.29	0	100
Rusizi	-	40	42.5	15	2.5	100
Nyamasheke	-	-	71.43	19.05	9.52	100
Rulindo	-	71.43	25.71	-	2.86	100
Gakenke	-	60	30	10	0	100
Musanze	1.43	75.71	11.43	11.43	0	100
Burera	0.9	50.45	32.43	5.41	10.81	100
Gicumbi	-	61.11	38.89	-	-	100
Rwamagana	-	68.75	28.12	3.12	-	100
Nyagatare	-	73.33	20	6.67	-	100
Gatsibo	3.33	43.33	50	-	3.33	100
Kayonza	-	42.31	46.15	3.85	7.69	100
Kirehe	3.45	41.38	34.48	13.79	6.9	100
Ngoma	-	60	20	10	10	100
Bugesera	-	78.26	17.39	-	4.35	100
National	**0.77**	**56.48**	**29.5**	**6.48**	**6.77**	**100**

Source: NISR, SAS 2025

Table 52: 2025 Season A_Source of inorganic fertilizer by type of fertilizer

Fertilizer name	Government (MINAGRI/RAB/ NAEB)	Agro dealers	NGOs/ Companies	Market	Agriculture cooperative	Other source	Total
NPK 17-17-17;	1.9	57.6	29.5	6.9	4.2	-	100
NPK 20-10-10;	51.4	22.9	11.4	-	14.3	-	100
NPK 25-5-5;	66.7	22.2	5.6	5.6	-	-	100
NPK 22-6-12;	42.9	20.0	31.4	-	2.9	2.9	100
Other NPK;	6.1	39.4	27.3	6.1	21.2	-	100
Urea;	2.0	42.3	48.4	3.9	3.2	0.2	100
liquid urea (Mbonea M	3.0	48.5	33.3	6.1	9.1	-	100
DAP	2.2	40.2	51.2	3.6	2.6	0.2	100
TSP	-	33.3	66.7	-	-	-	100
KCL/MOP,	-	66.7	33.3	-	-	-	100
Omax;	-	70.0	30.0	-	-	-	100
Winner;	-	60.0	20.0	-	20.0	-	100
Yara Viva;	14.3	42.9	14.3	28.6	-	-	100
Amidas;	-	40.0	33.3	-	26.7	-	100
Cereal;	-	53.6	28.6	-	17.9	-	100
DI Grow;	2.0	35.3	37.3	13.7	11.8	-	100
Dyna gro;	-	66.7	33.3	-	-	-	100
Lime/Ishwagara	1.9	53.9	39.4	2.9	1.9	-	100
Other type of fertilizer	-	47.6	40.6	3.5	8.4	-	100

Source: NISR, SAS 2025

Table 53: 2025 Season B_Source of inorganic fertilizer by type of fertilizer

Fertilizer name	Government (MINAGRI/RAB/ NAEB)	Agro dealers	NGOs/Companies	Market	Agriculture cooperative	Other source	Total
NPK 17-17-17	2.5	56.9	32.6	4.1	3.7	0.3	100
NPK 20-10-10;	45.8	20.3	13.6	3.4	17.0	-	100
NPK 25-5-5;	46.4	21.4	10.7	7.1	14.3	-	100
NPK 22-6-12;	60.5	18.4	7.9	-	13.2	-	100
Other NPK;	6.0	65.7	14.9	6.0	7.5	-	100
Urea;	2.1	44.5	45.7	4.9	2.4	0.3	100
liquid urea (Mbonea M	-	45.5	31.8	22.7	-	-	100
DAP	1.7	44.3	48.4	4.2	1.4	0.0	100
KCL/MOP,	25.0	50.0	25.0	-	-	-	100
Omax;	-	75.0	12.5	6.3	6.3	-	100
Winner;	-	100.0	-	-	-	-	100
Yara Viva;	-	50.0	-	25.0	25.0	-	100
Amidas;	7.7	61.5	23.1	-	7.7	-	100
Cereal;	-	68.2	9.1	4.6	18.2	-	100
DI Grow;	5.7	54.7	32.1	1.9	5.7	-	100
Lime/Ishwagara	3.3	49.5	44.0	2.2	1.1	-	100
Other type of fertilizer	2.8	58.5	28.3	3.8	5.7	0.9	100

Source: NISR, SAS 2025

Table 54: 2025 Season C_Source of inorganic fertilizer by type of fertilizer

Fertilizer name	Government (MIN-AGRI/RAB/ NAEB)	Agro dealers	NGOs/Companies	Market	Agriculture coop-erative	Total
NPK 17-17-17;	1.49	61.94	26.87	4.85	4.85	100
NPK 20-10-10;	-	0	100	0	-	100
NPK 25-5-5;	-	100	0	0	-	100
Other NPK;	0	72.22	22.22	0	5.6	100
Urea;	0.66	56.26	26.81	8.57	7.69	100
liquid urea (Mbonea M	11.1	55.56	22.22	11.11	-	100
DAP	0.61	53.07	29.75	6.13	10.43	100
Omax;	-	54.17	33.33	4.17	8.33	100
Yara Viva;	-	57.14	14.29	0	28.6	100
Cereal;	-	100.0	0	0	-	100
DI Grow;	-	37.5	37.5	12.5	12.5	100
Lime/Ishwagara	-	58.82	35.29	0	5.9	100
Other type of fertilizer	1.9	59.26	27.78	5.56	5.56	100

Source: NISR, SAS 2025

Table 55: 2025 Season A Percentage of plots by type of inorganic fertilizer per district

District	NPK	Urea	DAP	KCL/MOP	Lime	Others	Total
Nyarugenge	21.4	52.4	26.2	-	-	-	100
Gasabo	20.8	46.2	33.0	-	-	-	100
Kicukiro	1.9	44.7	53.4	-	-	0.0	100
Nyanza	11.0	45.9	42.4	-	-	0.8	100
Gisagara	8.9	43.9	46.9	-	-	0.4	100
Nyaruguru	14.6	34.4	48.3	-	-	2.7	100
Huye	13.4	44.9	41.5	-	-	0.2	100
Nyamagabe	12.7	40.4	43.8	-	2.5	0.6	100
Ruhango	14.6	41.9	43.5	-	-	-	100
Muhanga	10.1	39.6	50.3	-	-	-	100
Kamonyi	10.5	53.3	33.2	-	0.3	2.7	100
Karongi	2.8	44.8	50.9	-	0.2	1.3	100
Rutsiro	19.9	29.6	42.4	-	7.6	0.5	100
Rubavu	33.8	35.0	30.1	-	-	1.2	100
Nyabihu	36.4	30.7	30.8	0.2	-	2.0	100
Ngororero	8.3	38.2	51.6	-	0.9	1.1	100
Rusizi	10.1	38.0	47.3	-	3.9	0.7	100
Nyamasheke	14.2	35.6	46.7	-	3.1	0.4	100
Rulindo	19.3	41.4	35.8	-	-	3.5	100
Gakenke	10.1	36.3	52.3	-	0.2	1.1	100
Musanze	21.3	31.2	44.7	-	-	2.9	100
Burera	14.7	36.5	48.5	-	-	0.4	100
Gicumbi	30.8	26.5	38.9	-	1.8	1.9	100
Rwamagana	10.9	43.2	43.6	-	0.2	2.1	100
Nyagatare	4.0	50.4	44.3	-	-	1.3	100
Gatsibo	10.5	47.4	40.2	-	0.2	1.7	100
Kayonza	6.3	46.2	46.9	-	-	0.6	100
Kirehe	4.8	39.8	53.6	-	-	1.8	100
Ngoma	7.3	46.1	44.9	-	0.1	1.7	100
Bugesera	7.2	36.1	56.0	-	-	0.7	100
National	**13.3**	**39.5**	**45.0**	**0.0**	**1.0**	**1.3**	**100**

Source: NISR, SAS 2025

Table 56: 2025 Season B Percentage of plots by type of inorganic fertilizer per district

District	NPK	Urea	DAP	KCL/MOP	Lime	Others	Total
Nyarugenge	12.83	52.36	34.80	-	-	-	100
Gasabo	27.91	44.33	26.63	-	-	1.14	100
Kicukiro	10.70	53.81	34.33	-	0.01	1.15	100
Nyanza	24.47	32.28	41.97	-	0.70	0.58	100
Gisagara	14.92	46.16	38.91	-	-	-	100
Nyaruguru	18.90	21.54	44.53	-	14.64	0.39	100
Huye	23.69	47.32	28.75	-	0.24	-	100
Nyamagabe	17.53	31.93	32.48	0.03	18.00	0.04	100
Ruhango	13.24	41.32	45.29	-	-	0.16	100
Muhanga	23.96	33.85	39.91	-	1.34	0.94	100
Kamonyi	22.85	58.11	17.41	-	1.53	0.10	100
Karongi	7.17	34.65	54.73	-	3.30	0.15	100
Rutsiro	22.64	27.28	35.16	-	14.66	0.25	100
Rubavu	41.92	31.83	26.25	-	-	-	100
Nyabihu	32.10	38.72	25.77	-	1.92	1.49	100
Ngororero	11.56	31.74	48.69	-	7.40	0.61	100
Rusizi	20.15	23.05	50.93	-	5.87	-	100
Nyamasheke	20.56	29.57	43.68	-	5.92	0.28	100
Rulindo	21.62	43.07	32.84	-	1.98	0.49	100
Gakenke	20.22	27.69	50.42	-	1.38	0.29	100
Musanze	26.83	38.50	29.67	-	3.90	1.11	100
Burera	30.60	20.35	47.34	-	1.32	0.40	100
Gicumbi	32.84	28.66	34.39	-	3.21	0.90	100
Rwamagana	21.97	40.76	36.22	-	0.02	1.02	100
Nyagatare	1.76	50.35	44.88	-	0.70	2.31	100
Gatsibo	22.65	45.77	30.09	-	0.80	0.69	100
Kayonza	19.92	50.20	29.59	-	-	0.29	100
Kirehe	18.21	46.25	34.09	-	0.99	0.46	100
Ngoma	19.93	50.64	27.44	-	1.73	0.26	100
Bugesera	4.72	40.88	54.29	-	0.11	-	100
National	**20.52**	**35.08**	**39.02**	**-**	**4.84**	**0.54**	**100**

Source: NISR, SAS 2025

Table 57: 2025 Season C Percentage of plots by type of inorganic fertilizer per district

District	NPK	Urea	DAP	Omax	Lime	Others	Total
Nyarugenge	19.93	49.01	28.89	0	0	2.17	100
Gasabo	15.5	58.58	24.38	0	0	1.54	100
Kicukiro	7.11	52.08	40.81	-	0	-	100
Nyanza	1.65	50.66	47.69	0	0	-	100
Gisagara	20.09	50.3	28.43	0	0	1.18	100
Nyaruguru	32.39	36.75	26.01	-	4.85	-	100
Huye	17.37	41.84	31.11	0	-	9.68	100
Nyamagabe	29.87	34.19	29.36	-	4.58	2	100
Ruhango	20.92	43.81	25.8	-	9.48	-	100
Muhanga	30.83	45.06	23.87	0	0	0.23	100
Kamonyi	13.36	57.44	25.13	0	0	4.07	100
Karongi	55.03	37.56	7.41	-	-	-	100
Rutsiro	10.58	51.35	34.3	-	3.77	0	100
Rubavu	43.11	33.27	23.62	0	0	-	100
Nyabihu	70.24	14.88	4.2	2.44	1.79	6.46	100
Ngororero	26.94	21.46	32.86	-	18.74	0	100
Rusizi	21.5	39.08	37.7	0	0.81	0.91	100
Nyamasheke	30.16	61.09	8.75	-	-	0	100
Rulindo	28.72	29.24	26.81	0	-	15.24	100
Gakenke	44.04	38.46	17.5	0	-	-	100
Musanze	53.75	9.88	32.27	1.55	0	2.55	100
Burera	68.42	6.65	4.89	6.81	0	13.23	100
Gicumbi	70.7	14.33	8.45	0	5.53	0.99	100
Rwamagana	42.15	18.57	39.27	0	0	0	100
Nyagatare	31.07	32.75	12.48	0	0	23.71	100
Gatsibo	43.77	21.31	30.18	0	0	4.74	100
Kayonza	24.94	37.87	35.52	0	0	1.67	100
Kirehe	10.45	61.47	25.56	0	0	2.51	100
Ngoma	28.4	50.84	14.29	0	3.37	3.10	100
Bugesera	8.24	42.72	46.79	0	0	2.25	100
National	**39.79**	**30.48**	**22.67**	**1.33**	**0.95**	**4.77**	**100**

Source: NISR, SAS 2025

Table 58: 2025 Season A_Use of pesticides by farmer type per district (Percentage)

District	Percentage of farmers who used pesticides			Percentage of plots in which pesticides were used			Percentage of land size in which pesticides were used		
	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF
Nyarugenge	34.5	34.5		31.7	32.0		24.3	24.3	
Gasabo	44.2	41.8	92.9	47.6	48.3	52.5	50.9	48.1	88.5
Kicukiro	44.8	43.5	100.0	45.8	45.8	100.0	53.8	50.0	100.0
Nyanza	28.8	27.6	90.0	60.3	60.5	56.3	65.7	64.2	86.2
Gisagara	46.5	44.4	100.0	50.8	50.8	100.0	60.9	52.7	100.0
Nyaruguru	63.7	62.1	100.0	31.7	32.1	84.2	41.7	40.1	98.4
Huye	43.6	40.5	88.9	52.9	52.7	96.8	62.4	57.7	99.9
Nyamagabe	48.6	48.0	100.0	49.7	49.0	100.0	50.7	50.3	100.0
Ruhango	28.8	27.6	88.9	31.0	32.0	47.4	37.7	30.8	99.0
Muhanga	30.6	29.1	100.0	46.7	47.0	100.0	43.1	37.7	100.0
Kamonyi	44.8	43.5	92.9	38.4	38.4	100.0	42.5	39.5	100.0
Karongi	29.1	29.2	0.0	32.9	33.2	0.0	35.8	35.8	0.0
Rutsiro	29.7	29.7		63.3	63.8		62.1	62.1	
Rubavu	76.0	76.0	75.0	77.3	76.7	100.0	82.2	82.2	100.0
Nyabihu	74.4	74.3	100.0	62.6	61.8	100.0	69.5	69.5	100.0
Ngororero	30.0	30.0		50.5	48.0		57.0	57.0	
Rusizi	23.2	21.6	90.0	56.6	60.4	86.7	66.1	57.5	99.2
Nyamasheke	34.4	33.6	85.7	25.7	26.1	100.0	35.3	32.8	100.0
Rulindo	63.0	62.5	100.0	46.5	46.3	76.9	43.9	43.8	85.8
Gakenke	43.3	42.8	100.0	46.2	46.8	100.0	53.8	53.2	100.0
Musanze	67.3	67.1	100.0	77.4	77.4	73.7	79.4	79.4	90.0
Burera	63.0	63.0		53.3	53.3		57.1	57.1	
Gicumbi	48.5	47.9	100.0	50.1	52.1	58.6	50.2	50.1	79.2
Rwamagana	40.7	37.5	87.5	63.9	65.4	41.9	68.0	67.0	81.5
Nyagatare	30.5	26.5	71.7	50.1	49.7	73.3	61.5	55.3	96.3
Gatsibo	38.0	35.4	90.3	57.0	57.0	57.5	66.9	62.4	98.6
Kayonza	38.5	35.2	90.3	55.5	55.6	73.3	65.7	61.5	93.6
Kirehe	46.2	45.6	90.0	44.6	44.8	92.9	62.2	58.8	99.9
Ngoma	28.7	27.0	76.2	49.1	49.1	74.1	53.1	49.4	98.1
Bugesera	20.7	17.3	79.0	54.0	54.0	62.4	57.0	48.5	92.3
National	**41.9**	**40.6**	**86.9**	**50.3**	**50.4**	**66.7**	**58.0**	**55.3**	**96.6**

Source : NISR, SAS 2025

Table 59: 2025 Season B_Use of pesticides by farmer type per district (Percentage)

District	Percentage of farmers who used pesticides			Percentage of plots in which pesticides were used			Percentage of land size in which pesticides were used		
	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF
Nyarugenge	20.1	20.1		39.3	39.3		17.7	17.7	
Gasabo	40.9	39.0	84.6	35.7	35.7	55.3	45.2	42.5	87.7
Kicukiro	25.3	24.1	75.0	48.4	48.4	66.7	46.7	38.5	99.1
Nyanza	24.4	23.7	83.3	33.5	33.5	100.0	38.0	33.2	100.0
Gisagara	26.8	24.4	100.0	34.9	34.9	94.1	52.6	33.3	99.5
Nyaruguru	35.0	32.9	100.0	35.6	35.6	52.6	43.2	42.2	92.6
Huye	22.5	19.6	81.0	44.1	44.1	100.0	48.0	41.7	100.0
Nyamagabe	41.1	40.6	100.0	38.8	38.8	91.7	47.4	47.1	98.3
Ruhango	24.6	23.7	58.3	20.0	20.0	75.0	30.3	23.6	99.2
Muhanga	35.3	34.7	100.0	28.4	28.4	90.0	32.2	31.1	96.3
Kamonyi	35.5	34.7	87.5	24.0	24.0	100.0	25.5	24.0	100.0
Karongi	17.3	17.3	0.0	37.1	37.1	0.0	47.9	47.9	0.0
Rutsiro	34.0	34.0		51.1	51.1		56.4	56.4	
Rubavu	73.8	73.8	75.0	82.2	82.2	75.0	82.8	82.8	86.5
Nyabihu	79.6	79.5	100.0	66.2	66.2	100.0	69.6	69.6	100.0
Ngororero	45.5	45.5		46.8	46.8		47.6	47.6	
Rusizi	21.1	19.9	80.0	43.4	43.4	72.7	54.9	43.2	99.1
Nyamasheke	29.8	28.5	100.0	29.4	29.4	100.0	30.2	26.6	100.0
Rulindo	57.8	57.1	100.0	43.8	43.8	92.9	40.3	40.1	94.1
Gakenke	55.1	55.1	50.0	40.4	40.4	100.0	44.8	44.8	100.0
Musanze	80.2	80.1	100.0	64.9	64.9	50.0	65.2	65.2	82.1
Burera	54.2	54.2		61.1	61.1		64.5	64.5	
Gicumbi	52.7	52.4	83.3	39.4	39.4	55.0	41.7	41.6	77.0
Rwamagana	27.5	24.6	73.3	41.1	41.1	41.2	52.5	49.7	84.2
Nyagatare	31.3	27.3	76.0	54.8	54.8	62.2	65.7	62.2	94.3
Gatsibo	39.8	38.8	63.3	39.5	39.5	40.6	55.3	52.7	84.8
Kayonza	28.7	26.1	72.4	47.7	47.7	90.7	59.9	54.0	92.9
Kirehe	25.1	24.5	77.8	31.9	31.9	91.7	41.5	39.0	68.0
Ngoma	20.1	18.4	73.7	31.2	31.2	43.2	34.4	26.6	94.0
Bugesera	15.9	13.1	71.9	31.6	31.5	55.1	57.2	36.5	97.1
National	**36.6**	**35.6**	**77.7**	**43.6**	**43.6**	**60.0**	**51.3**	**48.5**	**93.5**

Source: NISR, SAS 2025

Table 60: 2025 Season C_Use of pesticides by farmer type per district (Percentage)

District	Percentage of farmers who used pesticides	Percentage of plots in which pesticides were used	Percentage of land size in which pesticides were used
Nyarugenge	56.7	72.6	76.5
Gasabo	83.3	78.2	90.4
Kicukiro	79.3	94.9	93.8
Nyanza	73.6	76.9	84.3
Gisagara	83.7	84.3	92.4
Nyaruguru	38.9	49.3	60.6
Huye	40.7	59.6	79.1
Nyamagabe	46.8	86.0	89.4
Ruhango	47.2	75.0	82.7
Muhanga	66.3	81.4	80.4
Kamonyi	80.0	85.5	88.9
Karongi	53.5	77.6	90.2
Rutsiro	59.1	11.4	76.9
Rubavu	71.2	87.1	83.3
Nyabihu	97.5	98.8	98.9
Ngororero	22.5	81.6	75.0
Rusizi	62.8	95.2	97.6
Nyamasheke	28.6	41.0	50.0
Rulindo	64.7	83.1	80.8
Gakenke	50.0	54.3	41.5
Musanze	74.2	93.8	96.7
Burera	90.2	77.0	87.8
Gicumbi	64.6	95.3	86.4
Rwamagana	82.9	94.5	97.6
Nyagatare	69.2	82.0	94.9
Gatsibo	60.0	72.6	82.7
Kayonza	89.3	73.2	91.4
Kirehe	64.3	47.7	71.3
Ngoma	71.4	67.3	80.8
Bugesera	77.1	85.8	91.1
National	**67.0**	**80.6**	**89.3**

Source: NISR, SAS 2025

Table 61: 2025 Season A Percentage of plots by type of pesticides per district

District	Type of pesticides									Total
	Dithane	Ridomil	Dimethoate	Cypermetrin	Dursiban	Pilkare	Rocket	Beam	Other pesticide	
Nyarugenge	24.0	-	12.0	16.0	-	-	40.0	-	8.0	100
Gasabo	10.2	1.4	8.2	9.5	-	-	44.9	1.4	24.5	100
Kicukiro	8.6	-	1.7	10.3	-	-	67.2	1.7	10.3	100
Nyanza	7.8	0.8	-	5.4	-	-	79.1	3.1	3.9	100
Gisagara	4.1	-	1.2	11.8	-	0.6	71.0	5.3	5.9	100
Nyaruguru	17.5	1.8	0.9	9.7	0.9	-	45.6	0.9	22.8	100
Huye	5.4	-	3.0	19.2	-	-	60.5	8.4	3.6	100
Nyamagabe	23.7	2.6	2.6	28.2	-	-	41.7	-	1.3	100
Ruhango	4.1	1.4	2.7	8.1	-	-	74.3	8.1	1.4	100
Muhanga	12.8	9.0	1.3	10.3	-	-	59.0	2.6	5.1	100
Kamonyi	10.6	1.3	4.0	6.0	-	-	72.2	1.3	4.6	100
Karongi	4.9	1.6	6.6	19.7	-	-	59.0	-	8.2	100
Rutsiro	39.7	9.9	1.7	26.5	-	-	18.2	-	4.1	100
Rubavu	28.8	15.3	9.8	23.1	1.0	-	12.8	0.2	9.2	100
Nyabihu	33.0	8.1	5.2	28.3	-	-	13.5	-	12.0	100
Ngororero	15.9	3.7	2.8	15.9	-	-	56.1	-	5.6	100
Rusizi	21.6	0.8	13.6	16.0	-	-	31.2	0.8	16.0	100
Nyamasheke	12.5	-	6.8	30.7	1.1	-	36.4	6.8	5.7	100
Rulindo	26.8	2.6	4.6	9.2	-	-	44.4	0.7	11.8	100
Gakenke	4.0	-	2.0	43.4	-	-	43.4	-	7.2	100
Musanze	26.2	4.8	14.3	13.3	-	-	34.2	0.4	6.8	100
Burera	23.6	1.6	5.5	24.8	-	0.8	39.0	-	4.7	100
Gicumbi	28.1	2.4	4.4	4.8	-	-	51.8	0.4	8.0	100
Rwamagana	10.3	0.4	10.3	7.1	1.8	-	47.4	2.8	20.1	100
Nyagatare	8.3	-	9.5	17.4	-	-	37.2	5.5	22.1	100
Gatsibo	12.5	0.8	4.4	6.9	-	-	57.3	1.6	16.5	100
Kayonza	17.7	0.4	6.3	9.3	-	-	42.6	4.6	19.0	100
Kirehe	12.5	-	9.4	8.0	-	-	61.3	1.1	7.7	100
Ngoma	11.4	0.6	5.7	9.7	-	-	54.6	4.6	13.6	100
Bugesera	5.2	0.7	2.6	20.1	-	-	46.8	9.1	15.6	100
National	**18.6**	**3.8**	**6.6**	**16.3**	**0.2**	**0.1**	**41.7**	**2.0**	**10.8**	**100**

Source: NISR, SAS 2025

Table 62: 2025 Season B Percentage of plots by type of pesticides per district

District	Type of pesticides									Total
	Dithane	Ridomil	Dimethoate	Cypermetrin	Dursiban	Pilkare	Rocket	Beam	Other pesticide	
Nyarugenge	27.8	-	5.6	-	-	-	38.9	-	27.8	100
Gasabo	13.2	1.7	9.9	9.9	-	-	41.3	0.8	23.1	100
Kicukiro	12.5	-	2.5	20.0	-	-	42.5	2.5	20.0	100
Nyanza	12.7	-	1.4	8.5	-	-	67.6	5.6	4.2	100
Gisagara	7.1	2.4	1.2	21.2	-	-	54.1	10.6	3.5	100
Nyaruguru	13.3	4.0	-	8.0	-	-	42.7	-	32.0	100
Huye	7.3	-	3.1	28.1	-	-	43.8	13.5	4.2	100
Nyamagabe	24.1	1.4	-	32.4	1.4	-	31.0	1.4	8.3	100
Ruhango	10.5	-	-	26.3	-	-	50.0	13.2	-	100
Muhanga	18.2	11.7	-	11.7	-	-	55.8	2.6	-	100
Kamonyi	19.8	1.0	9.4	14.6	-	-	46.9	5.2	3.1	100
Karongi	10.4	-	18.8	12.5	-	-	45.8	-	12.5	100
Rutsiro	59.8	5.6	1.9	17.8	-	-	13.1	-	1.9	100
Rubavu	27.8	18.6	10.8	19.8	0.5	-	13.3	-	9.2	100
Nyabihu	31.1	11.4	10.7	14.9	-	-	16.6	-	15.2	100
Ngororero	23.4	3.6	1.4	19.9	-	-	48.2	-	3.6	100
Rusizi	15.5	1.9	17.5	25.2	-	-	16.5	3.9	19.4	100
Nyamasheke	19.2	1.4	5.5	34.3	5.5	-	20.6	4.1	9.6	100
Rulindo	34.6	2.6	5.9	9.2	-	-	32.7	0.7	14.4	100
Gakenke	6.1	1.2	3.6	41.2	-	-	38.8	-	9.1	100
Musanze	31.1	5.4	12.0	15.6	-	-	28.5	-	7.3	100
Burera	33.2	1.5	9.9	14.6	-	0.4	32.5	-	8.0	100
Gicumbi	39.6	1.0	2.1	5.2	-	-	40.1	0.5	11.5	100
Rwamagana	20.6	2.6	12.4	8.8	-	0.5	24.7	3.6	26.8	100
Nyagatare	9.7	0.8	10.5	13.2	-	-	39.5	5.0	21.3	100
Gatsibo	19.5	0.7	6.6	7.4	-	-	44.1	1.5	20.2	100
Kayonza	23.2	1.1	8.1	8.7	-	-	33.5	6.5	18.9	100
Kirehe	27.8	0.7	16.7	9.7	-	-	24.3	2.8	18.1	100
Ngoma	23.9	1.1	6.5	13.0	-	-	29.4	7.6	18.5	100
Bugesera	7.5	-	10.0	15.8	-	-	36.7	8.3	21.7	100
National	**24.3**	**5.6**	**8.4**	**16.1**	**0.2**	**0.0**	**30.4**	**2.1**	**12.9**	**100**

Source: NISR, SAS 2025

Table 63: 2025 Season C Percentage of plots by type of pesticides per district

District	Dithane	Ridomil	Dimethoate	Cypermethrin	Rocket	Others	Total
Nyarugenge	32.35	2.9	5.88	0	38.24	20.59	100
Gasabo	29.63	3.7	14.81	7.41	29.63	14.81	100
Kicukiro	0	-	21.88	18.75	37.5	21.88	100
Nyanza	8.47	0	11.86	0	77.97	1.69	100
Gisagara	7.27	-	4.55	19.09	61.82	7.27	100
Nyaruguru	22.73	-	4.55	4.55	45.45	22.73	100
Huye	18.75	-	9.38	3.12	62.5	6.25	100
Nyamagabe	32.14	3.6	7.14	3.57	53.57	-	100
Ruhango	16	-	0	4	72	8	100
Muhanga	28.12	1.6	4.69	14.06	46.88	4.69	100
Kamonyi	20.75	3.8	9.43	3.77	54.72	7.55	100
Karongi	8	4	16	16	44	12	100
Rutsiro	43.75	0	6.25	18.75	25	6.25	100
Rubavu	33.06	7.44	19.01	17.36	14.05	9.09	100
Nyabihu	37.56	8.78	6.34	15.61	16.1	15.61	100
Ngororero	33.33	11.1	11.1	-	22.22	22.2	100
Rusizi	18.37	2.04	16.33	6.12	44.9	12.24	100
Nyamasheke	22.22	11.11	22.22	22.22	22.22	-	100
Rulindo	35.19	11.11	3.7	7.41	16.67	25.93	100
Gakenke	16.67	11.11	5.56	0	44.44	22.22	100
Musanze	39.47	3.29	5.26	10.53	27.63	13.82	100
Burera	44.61	9.31	2.94	19.61	13.73	9.8	100
Gicumbi	58.14	0	0	11.63	18.6	11.63	100
Rwamagana	11.54	0	13.46	23.08	21.15	30.77	100
Nyagatare	30	0	12.5	7.5	22.5	27.5	100
Gatsibo	33.33	0	7.14	2.38	33.33	23.81	100
Kayonza	27.91	0	23.26	11.63	18.6	18.6	100
Kirehe	27.03	2.7	16.22	2.7	27.03	24.32	100
Ngoma	20.75	-	11.32	11.32	37.74	18.87	100
Bugesera	17.44	0	12.79	16.28	44.19	9.3	100
National	**28.84**	**4.01**	**8.94**	**12.39**	**32.4**	**13.42**	**100**

Source: NISR, SAS 2025

Table 64: 2025 Season A Percentage of farmers who practiced agricultural practices

District	Farmers who protected land against erosion (%)			Farmers who used any mechanical equipment for agriculture activities %			Farmers who practiced irrigation (%)			Farmers who practiced agroforestry (%)		
	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF
Nyarugenge	88.7	88.7		0.7	0.7		8.5	8.5		31.0	31.0	
Gasabo	86.0	85.4	100	1.0	0.3	14.3	28.6	26.5	71.4	46.1	44.3	75.0
Kicukiro	52.3	51.2	100	2.9	1.8	50.0	11.5	11.2	25.0	53.7	52.6	85.7
Nyanza	90.9	90.8	100	0.2	0.2	-	9.1	7.7	80.0	46.6	46.6	46.2
Gisagara	80.9	80.5	89.5	-	-	-	26.9	24.8	79.0	42.7	44.8	3.3
Nyaruguru	97.1	97.0	100	0.3	0.3	-	19.4	18.6	38.5	28.2	27.5	46.7
Huye	94.5	94.2	100	-	-	-	26.2	21.9	88.9	24.7	25.4	13.3
Nyamagabe	90.1	90.0	100	0.2	0.2	-	11.5	10.9	60.0	43.3	42.9	71.4
Ruhango	91.9	91.7	100	0.4	0.2	11.1	15.0	14.0	66.7	34.3	33.9	50.0
Muhanga	94.3	94.2	100	0.2	0.2	-	13.5	11.9	88.9	50.4	50.0	66.7
Kamonyi	96.3	96.2	100	0.4	0.2	7.1	25.3	24.0	71.4	53.1	53.3	47.1
Karongi	94.0	94.0	100	0.4	0.4	-	11.8	11.8	-	40.7	40.5	100.0
Rutsiro	92.4	92.4		-	-		4.8	4.8		44.0	44.0	
Rubavu	92.1	92.0	100	-	-	-	1.1	1.1	-	35.4	34.8	71.4
Nyabihu	98.9	98.9	100	-	-	-	1.7	1.7	-	39.3	39.1	100.0
Ngororero	96.9	96.9		-	-		7.8	7.8		39.8	39.8	
Rusizi	87.1	86.8	100	-	-	-	12.0	10.5	80.0	46.1	46.4	30.0
Nyamasheke	96.7	96.6	100	0.2	-	14.3	15.2	13.9	100.0	43.8	43.8	40.0
Rulindo	96.7	96.7	100	0.5	-	40.0	34.5	34.4	40.0	48.0	48.0	50.0
Gakenke	99.4	99.4	100	-	-	-	8.7	8.4	50.0	38.8	38.7	50.0
Musanze	83.8	83.8	75.0	0.4	-	50.0	7.8	7.7	25.0	48.5	48.1	75.0
Burera	95.9	95.9		0.2	0.2		3.9	3.9		30.0	30.0	
Gicumbi	98.5	98.5	100	0.2	-	16.7	10.2	10.3	-	47.9	47.6	70.0
Rwamagana	90.4	89.8	100	2.2	1.3	15.6	17.2	14.5	56.3	60.2	59.1	70.9
Nyagatare	84.0	82.5	96	7.8	2.0	67.9	15.3	11.7	52.8	63.2	64.5	48.4
Gatsibo	89.5	89.3	93.6	1.4	0.2	25.8	13.0	10.7	58.1	50.4	49.6	62.8
Kayonza	83.9	83.1	96.8	3.0	0.6	38.7	16.1	11.7	83.9	46.4	47.3	36.7
Kirehe	89.0	88.8	100	0.6	-	40.0	9.9	8.8	90.0	61.8	62.6	15.4
Ngoma	86.3	85.8	100	0.6	-	19.1	11.8	10.1	61.9	51.7	52.3	37.9
Bugesera	76.7	75.7	94.7	1.3	0.3	18.4	12.0	9.1	60.5	59.4	59.6	56.3
National	**90.3**	**90.1**	**97.4**	**0.9**	**0.3**	**23.0**	**13.4**	**12.0**	**64.1**	**46.2**	**46.1**	**49.1**

Source : NISR, SAS 2025

Table 65: 2025 Season B Percentage of farmers who practiced agricultural practices

District	Farmers who protected land against erosion (%)			Farmers who used any mechanical equipment for agriculture activities %			Farmers who practiced irrigation (%)			Farmers who practiced agroforestry (%)		
	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF	Overall	SSF	LSF
Nyarugenge	75.7	75.7		-	-		3.6	3.6		15.2	15.2	
Gasabo	82.9	82.2	100	1.0	0.3	15.4	20.0	19.2	38.5	44.9	43.8	71.4
Kicukiro	52.9	52.4	75	1.2	0.6	25.0	10.0	9.6	25.0	53.1	52.7	75.0
Nyanza	92.8	92.8	100	0.2	0.2	-	15.4	14.7	83.3	52.7	52.6	62.5
Gisagara	84.4	84.9	68.8	0.2	0.2	-	24.1	22.4	75.0	48.2	49.7	-
Nyaruguru	95.4	95.3	100	0.3	-	10.0	9.2	7.6	60.0	35.4	35.3	38.5
Huye	87.8	87.2	100	-	-	-	18.7	14.9	95.2	30.5	31.0	20.0
Nyamagabe	88.6	88.5	100	-	-	-	9.3	8.9	50.0	48.6	48.5	75.0
Ruhango	92.4	92.2	100	0.4	0.4	-	19.8	18.1	83.3	46.4	46.7	35.7
Muhanga	97.6	97.6	100	-	-	-	20.7	20.2	75.0	54.3	54.2	66.7
Kamonyi	94.3	94.2	100	0.2	-	12.5	21.2	20.2	87.5	56.2	56.6	33.3
Karongi	94.0	94.0	100	-	-	-	9.1	8.9	100.0	48.3	48.2	100.0
Rutsiro	94.7	94.7		-	-		4.5	4.5		41.3	41.3	
Rubavu	93.7	93.7	100	-	-	-	0.8	0.8	-	34.8	34.6	50.0
Nyabihu	98.6	98.6	100	-	-	-	-	-	-	50.8	50.7	100.0
Ngororero	98.8	98.8		0.2	0.2		6.5	6.5		48.3	48.3	
Rusizi	86.6	86.5	90	0.2	0.2	-	11.5	10.3	70.0	50.2	50.4	40.0
Nyamasheke	94.0	93.8	100	1.5	0.6	44.4	14.8	13.8	66.7	51.3	51.6	33.3
Rulindo	96.0	95.9	100	0.9	0.6	20.0	13.2	13.1	20.0	48.8	48.9	40.0
Gakenke	99.8	99.8	100	-	-	-	4.7	4.3	100.0	49.4	49.5	33.3
Musanze	84.3	84.3	100.0	0.5	-	100.0	4.1	4.1	-	56.7	56.4	100.0
Burera	95.7	95.7		-	-		2.2	2.2		42.4	42.4	
Gicumbi	97.7	97.7	100	0.5	0.2	33.3	4.6	4.7	-	47.8	47.3	100.0
Rwamagana	95.1	94.7	100	1.0	0.6	6.7	15.3	12.6	56.7	62.0	61.5	71.0
Nyagatare	78.6	77.0	96	4.9	1.3	46.0	15.3	12.2	50.0	64.7	66.2	45.5
Gatsibo	90.4	90.3	93.3	0.9	-	20.0	7.6	5.7	50.0	60.6	60.3	66.7
Kayonza	85.2	84.7	93.1	2.1	0.2	34.5	12.1	7.6	89.7	53.7	53.9	51.5
Kirehe	89.1	89.0	100	0.8	0.5	22.2	14.6	13.9	77.8	66.1	66.5	33.3
Ngoma	82.3	81.8	100	0.3	-	10.5	9.3	8.0	52.6	57.3	57.7	42.9
Bugesera	76.4	75.5	93.8	1.1	0.3	15.6	13.6	11.0	65.6	56.5	56.5	57.9
National	**89.9**	**89.7**	**95.6**	**0.7**	**0.2**	**19.0**	**11.5**	**10.3**	**62.0**	**51.0**	**51.0**	**49.5**

Source : NISR, SAS 2025

Table 66: **2025 Season C Percentage of farmers who practiced agricultural practices**

District	Farmers who protected land against erosion (%)	Farmers who used any mechanical equipment for agriculture activities %	Farmers who practiced irrigation (%)	Farmers who practiced agroforestry (%)
Nyarugenge	93.33	-	66.67	6.98
Gasabo	100	-	88.89	44
Kicukiro	72.41	3.5	62.07	29.17
Nyanza	90.28	-	66.67	11.67
Gisagara	95.65	-	63.04	9.13
Nyaruguru	98.61	-	65.28	6.16
Huye	100	-	83.05	7.02
Nyamagabe	100	-	55.32	11.45
Ruhango	98.11	-	81.13	20.53
Muhanga	95	-	85	14.38
Kamonyi	97.78	-	95.56	26.26
Karongi	97.67	-	72.09	25.68
Rutsiro	100	-	22.73	42.67
Rubavu	90.91	-	7.58	31.33
Nyabihu	96.2	1.3	6.33	42.23
Ngororero	100	-	20	38.24
Rusizi	98.04	0	82.35	16.18
Nyamasheke	95.24	-	57.14	29.46
Rulindo	94.12	-	72.55	31.54
Gakenke	94.74	-	57.89	35.25
Musanze	98.88	0	13.48	43.63
Burera	99.18	-	21.31	28.42
Gicumbi	100	-	85.42	20.91
Rwamagana	68.57	-	91.18	31.88
Nyagatare	84.62	-	92.31	38.07
Gatsibo	97.5	-	87.5	32.12
Kayonza	100	3.6	96.43	27.74
Kirehe	100	-	93.02	48.34
Ngoma	85.71	-	78.57	20
Bugesera	81.43	1.43	58.57	17.51
National	**94.7**	**0.3**	**58.9**	**28.0**

Source: NISR, SAS 2025

Table 67: 2025 Season A Percentage of plots by types of irrigation used

District	Modern irrigation					Traditional techniques
	Surface irrigation	Flood irrigation	Drip irrigation	Sprinkler irrigation	Pivot irrigation	
Nyarugenge	33.3	-	-	-	-	66.7
Gasabo	12.2	10.2	2.0	4.1	-	71.4
Kicukiro	50.0	12.5	-	25.0	-	12.5
Nyanza	9.1	63.6	-	-	-	27.3
Gisagara	8.6	54.3	-	-	-	37.1
Nyaruguru	-	16.7	-	-	-	83.3
Huye	7.0	43.9	-	-	-	49.1
Nyamagabe	-	12.5	-	-	-	87.5
Ruhango	30.0	30.0	-	-	-	40.0
Muhanga	17.7	17.7	-	5.9	-	58.8
Kamonyi	10.3	10.3	-	-	-	79.5
Karongi	-	-	-	-	-	100.0
Rutsiro	25.0	-	-	-	25.0	50.0
Rubavu	-	-	-	-	-	100.0
Nyabihu						
Ngororero	-	-	-	-	-	100.0
Rusizi	18.2	31.8	-	-	-	50.0
Nyamasheke	32.1	25.0	-	-	-	42.9
Rulindo	45.7	2.2	-	8.7	-	43.5
Gakenke	35.7	14.3	-	-	-	50.0
Musanze	-	-	-	8.3	-	91.7
Burera	-	-	-	-	-	100.0
Gicumbi	44.4	-	-	-	-	55.6
Rwamagana	53.9	13.5	12.4	2.3	-	18.0
Nyagatare	17.1	28.6	2.9	-	11.4	40.0
Gatsibo	27.7	14.9	2.1	-	-	55.3
Kayonza	40.2	17.1	1.2	1.2	7.3	32.9
Kirehe	14.8	18.5	11.1	14.8	11.1	29.6
Ngoma	20.0	33.3	13.3	6.7	-	26.7
Bugesera	38.5	28.9	11.5	-	5.8	15.4
National	25.7	21.6	3.4	2.3	2.5	44.5

Source: NISR, SAS 2025

Table 68: 2025 Season B Percentage of plots by types of irrigation used

District	Modern irrigation					Traditional techniques
	Surface irrigation	Flood irrigation	Drip irrigation	Sprinkler irrigation	Pivot irrigation	
Nyarugenge	-	-	-	-	-	-
Gasabo	15.8	-	5.3	-	5.3	73.7
Kicukiro	50.0	10.0	-	-	-	40.0
Nyanza	-	57.1	-	-	-	42.9
Gisagara	4.0	68.0	-	-	-	28.0
Nyaruguru	9.1	9.1	-	-	-	81.8
Huye	12.2	51.2	-	-	-	36.6
Nyamagabe	25.0	25.0	-	-	-	50.0
Ruhango	43.8	37.5	-	-	-	18.8
Muhanga	37.5	-	-	-	-	62.5
Kamonyi	36.4	15.2	-	-	-	48.5
Karongi	11.1	-	-	-	-	88.9
Rutsiro	50.0	-	-	-	-	50.0
Rubavu	100.0	-	-	-	-	-
Nyabihu	-	-	-	-	-	-
Ngororero	-	-	-	-	-	100.0
Rusizi	10.5	36.8	-	-	-	52.6
Nyamasheke	6.7	40.0	-	-	-	53.3
Rulindo	56.3	6.3	-	6.3	-	31.3
Gakenke	-	40.0	-	-	-	60.0
Musanze	-	-	-	-	-	100.0
Burera	-	-	-	-	-	100.0
Gicumbi	14.3	-	-	-	-	85.7
Rwamagana	45.1	12.7	29.6	-	-	12.7
Nyagatare	1.6	21.9	3.1	-	15.6	57.8
Gatsibo	34.6	15.4	3.9	-	-	46.2
Kayonza	16.1	19.6	7.1	19.6	7.1	30.4
Kirehe	36.4	13.6	-	9.1	22.7	18.2
Ngoma	25.0	56.3	-	-	-	18.8
Bugesera	27.4	24.2	8.1	1.6	3.2	35.5
National	**22.9**	**24.5**	**5.7**	**2.5**	**3.7**	**40.7**

Source: NISR, SAS 2025

Table 69:2025 Season C Percentage of plots by types of irrigation used

District	Modern irrigation					Traditional techniques
	Surface irrigation	Flood irrigation	Drip irrigation	Sprinkler irrigation	Pivot irrigation	
Nyarugenge	-	-	-	-	-	100
Gasabo	6.67	-	-	-	-	93.33
Kicukiro	100	-	-	-	-	-
Nyanza	21.05	-	-	-	-	78.95
Gisagara	-	-	-	-	-	100
Nyaruguru	-	-	-	-	-	100
Huye	50	-	-	-	-	50
Nyamagabe	-	-	-	-	-	100
Ruhango	6.67	-	-	-	-	93.33
Muhanga	-	-	-	-	-	100
Kamonyi	7.69	-	-	-	-	92.31
Karongi	30.77	-	-	-	-	69.23
Rutsiro	-	-	-	-	-	100
Rubavu	-	-	-	-	-	100
Nyabihu	-	-	-	-	-	-
Ngororero	-	-	-	-	-	100
Rusizi	-	-	-	-	-	100
Nyamasheke	-	-	-	-	-	100
Rulindo	38.24	-	-	-	-	61.76
Gakenke	-	-	-	-	-	100
Musanze	-	-	-	-	-	100
Burera	-	-	-	-	-	100
Gicumbi	-	-	-	-	-	100
Rwamagana	41.67	-	-	-	-	58.33
Nyagatare	41.67	-	-	-	-	58.33
Gatsibo	6.06	-	-	-	-	93.94
Kayonza	21.43	-	-	7.14	-	71.43
Kirehe	35.14	-	-	-	-	64.86
Ngoma	43.75	-	6.25	-	-	50
Bugesera	34.38	-	-	-	-	65.62
National	**19.42**	**-**	**0.28**	**0.28**	**-**	**80.03**

Source: NISR, SAS 2025

Table 70: 2025 Season A Percentage of plots by source of water used and district

District	Source of water used				
	Rainwater	Water treatment	Underground	Lake / streams	Water catchment
Nyarugenge	-	-	-	100.0	-
Gasabo	4.0	16.0	24.0	50.0	6.0
Kicukiro	-	-	-	75.0	25.0
Nyanza	-	-	56.5	30.4	13.0
Gisagara	17.7	3.9	41.2	37.3	-
Nyaruguru	-	-	55.6	44.4	-
Huye	-	3.5	70.2	21.1	5.3
Nyamagabe	-	-	56.3	43.8	-
Ruhango	-	-	52.4	38.1	9.5
Muhanga	9.1	-	27.3	59.1	4.6
Kamonyi	-	-	30.0	62.5	7.5
Karongi	-	16.7	66.7	16.7	-
Rutsiro	-	25.0	25.0	50.0	-
Rubavu	-	100.0	-	-	-
Nyabihu					
Ngororero	-	-	71.4	28.6	-
Rusizi	-	9.1	31.8	45.5	13.6
Nyamasheke	-	9.1	39.4	51.5	-
Rulindo	-	6.0	24.0	48.0	22.0
Gakenke	7.1	-	14.3	78.6	-
Musanze	-	25.0	25.0	50.0	-
Ngororero	-	-	33.3	66.7	-
Gicumbi	-	5.6	61.1	33.3	-
Rwamagana	1.1	13.3	12.2	33.3	40.0
Nyagatare	5.4	-	28.4	59.5	6.8
Gatsibo	2.0	4.1	36.7	44.9	12.2
Kayonza	-	2.2	4.4	43.3	50.0
Kirehe	-	6.7	26.7	60.0	6.7
Ngoma	-	12.9	38.7	38.7	9.7
Bugesera	-	-	7.7	86.5	5.8
National	**2.2**	**5.6**	**30.3**	**47.3**	**14.6**

Source: NISR, SAS 2025

Table 71: 2025 Season B Percentage of plots by source of water used and district.

District	Source of water used				
	Rainwater	Water treatment	Underground	Lake / streams	Water catchment
Nyarugenge	-	-	-	-	-
Gasabo	-	10.0	45.0	40.0	5.0
Kicukiro	-	9.1	9.1	72.7	9.1
Nyanza	-	-	63.6	18.2	18.2
Gisagara	4.0	-	44.0	52.0	-
Nyaruguru	-	-	75.0	25.0	-
Huye	2.1	-	54.2	33.3	10.4
Nyamagabe	12.5	-	37.5	50.0	-
Ruhango	6.3	6.3	25.0	50.0	12.5
Muhanga	-	-	50.0	25.0	25.0
Kamonyi	-	3.0	60.6	36.4	-
Karongi	-	33.3	22.2	44.4	-
Rutsiro	-	50.0	-	50.0	-
Rubavu	-	-	100.0	-	-
Nyabihu	-	-	-	-	-
Ngororero	-	50.0	33.3	16.7	-
Rusizi	-	5.0	35.0	60.0	-
Nyamasheke	-	-	50.0	50.0	-
Rulindo	-	-	15.0	65.0	20.0
Gakenke	-	-	20.0	80.0	-
Musanze	-	-	100.0	-	-
Ngororero	-	25.0	25.0	50.0	-
Gicumbi	-	28.6	42.9	28.6	-
Rwamagana	5.1	3.9	26.9	39.7	24.4
Nyagatare	3.0	-	10.6	72.7	13.6
Gatsibo	-	-	23.1	46.2	30.8
Kayonza	6.7	4.5	22.5	30.3	36.0
Kirehe	-	4.6	31.8	63.6	-
Ngoma	5.6	5.6	55.6	22.2	11.1
Bugesera	1.6	3.2	6.4	81.0	7.9
National	**2.7**	**4.1**	**31.4**	**47.5**	**14.3**

Source: NISR, SAS 2025

Table 72: 2025 Season C Percentage of plots by source of water used and district

District	Rainwater	Water treatment	Underground	Lake / streams	Water catchment
Nyarugenge	-	-	53.33	46.67	-
Gasabo	-	-	40	60	-
Kicukiro	-	-	-	94.44	5.6
Nyanza	-	-	63.16	15.79	21.05
Gisagara	-	-	63.64	36.36	-
Nyaruguru	20.7	-	27.59	51.72	-
Huye	0	-	63.04	36.96	-
Nyamagabe	-	-	29.41	70.59	-
Ruhango	-	-	48.39	51.61	-
Muhanga	-	-	45.45	52.73	1.8
Kamonyi	2.5	2.5	55	40	-
Karongi	-	-	37.93	48.28	13.79
Rutsiro	-	-	-	100	-
Rubavu	-	0	-	100	-
Nyabihu	-	-	66.67	33.33	-
Ngororero	-	-	100	0	-
Rusizi	2.44	-	70.73	26.83	-
Nyamasheke	-	-	20	80	-
Rulindo	-	-	5.88	58.82	35.29
Gakenke	20.0	-	40	40	-
Musanze	-	12.5	37.5	50	-
Burera	-	-	71.43	28.57	-
Gicumbi	-	-	66.67	33.33	-
Rwamagana	-	-	8.3	75	16.67
Nyagatare	4.2	-	29.17	50	16.67
Gatsibo	-	0	51.52	45.45	3.03
Kayonza	0	-	40	53.33	6.67
Kirehe	-	2.7	16.22	75.68	5.41
Ngoma	-	-	44.12	44.12	11.76
Bugesera	3.0	-	30.3	66.67	-
National	**1.48**	**0.4**	**42.99**	**49.33**	**5.8**

Source: NISR, SAS 2025

Table 73: 2025 Season A Percentage of plot by type of anti-erosion activities and district

District	Type of anti-erosion activities									
	Ditches	Trees/ Windbreak/ shelterbelt	Bench terraces	Progressive terraces	Cover plants	Water drainage	Mulching	Beds/ridges	Water channels	Others
Nyarugenge	0.2	18.1	0.3	2.0	54.3	-	15.5	6.2	3.5	-
Gasabo	1.9	4.9	1.5	3.4	72.8	0.3	3.9	2.7	8.5	-
Kicukiro	0.6	12.1	1.9	1.0	41.6	0.1	13.4	29.3	0.0	-
Nyanza	9.0	5.7	4.9	21.4	40.5	0.8	1.0	5.4	11.4	-
Gisagara	13.9	5.4	1.3	21.4	37.9	0.7	1.7	4.5	13.2	-
Nyaruguru	5.1	2.9	6.6	15.8	47.2	-	0.8	3.4	18.0	-
Huye	7.9	2.8	1.4	24.3	42.6	0.1	1.0	10.5	9.6	-
Nyamagabe	3.4	8.5	13.5	7.3	54.1	-	0.5	3.0	9.7	-
Ruhango	9.4	3.1	0.1	14.3	57.9	0.6	1.1	0.8	12.7	-
Muhanga	4.4	1.0	2.0	5.9	71.3	0.4	4.7	1.7	8.3	0.3
Kamonyi	7.5	7.5	0.2	4.1	56.3	0.1	2.7	6.9	14.8	-
Karongi	5.3	12.7	2.4	9.0	65.0	0.4	1.7	1.2	2.3	-
Rutsiro	2.2	1.8	8.1	18.3	64.6	-	2.4	0.3	2.3	-
Rubavu	2.0	2.8	16.5	2.3	24.1	-	0.5	47.0	4.9	-
Nyabihu	3.8	7.6	13.1	8.8	54.9	-	0.3	10.3	1.2	-
Ngororero	4.5	3.4	5.0	4.3	75.7	-	2.1	0.3	4.8	-
Rusizi	4.4	12.5	-	3.0	63.1	0.5	5.8	5.5	5.2	0.0
Nyamasheke	4.2	10.6	7.5	4.9	55.9	0.6	7.4	4.0	4.9	0.1
Rulindo	3.9	5.7	5.2	11.7	61.2	-	1.8	2.8	7.6	-
Gakenke	0.9	7.7	4.7	6.7	75.8	0.3	1.2	1.1	1.8	-
Musanze	2.3	10.9	2.0	0.7	46.9	-	0.5	32.5	4.2	-
Burera	1.5	3.6	7.6	18.6	51.2	-	0.1	11.7	5.4	0.3
Gicumbi	2.0	10.4	14.3	19.7	50.3	0.9	0.5	0.2	1.7	-
Rwamagana	4.8	12.8	7.9	5.7	47.8	0.0	4.0	6.2	10.7	0.0
Nyagatare	4.0	13.0	-	5.0	55.6	0.1	11.5	4.3	6.5	-
Gatsibo	5.8	11.0	0.4	11.7	53.1	0.0	6.1	1.8	10.2	-
Kayonza	6.3	1.5	8.5	4.1	60.4	0.2	6.1	4.2	8.6	-
Kirehe	5.4	2.9	4.8	13.7	60.6	0.6	10.3	0.1	1.7	0.1
Ngoma	8.3	11.8	1.8	6.7	50.4	0.0	9.8	4.6	5.8	0.7
Bugesera	15.4	12.0	7.5	4.6	47.0	0.1	0.5	4.5	7.8	0.7
National	**4.9**	**7.0**	**5.8**	**10.6**	**56.7**	**0.3**	**2.6**	**5.0**	**7.2**	**0.1**

Source: NISR, SAS 2025

Table 74: 2025 Season B percentage of plots per type of anti-erosion activities and district

District	Type of anti-erosion activities									
	Ditches	Trees/ Windbreak/ shelterbelt	Bench ter- races	Progressive terraces	Cover plants	Water drainage	Mulching	Beds/ ridges	Water channels	Others
Nyarugenge	0.2	30.2	-	1.0	38.5	-	16.8	9.9	3.4	-
Gasabo	4.0	3.2	0.8	0.1	80.4	0.0	2.9	1.3	7.2	0.1
Kicukiro	4.4	2.3	2.4	6.5	71.8	0.3	11.8	0.4	0.3	-
Nyanza	6.6	3.8	5.4	23.4	43.9	0.0	1.1	5.2	10.5	-
Gisagara	11.1	8.4	0.7	19.6	44.6	2.1	1.3	1.7	9.7	0.9
Nyaruguru	3.3	2.6	6.5	16.6	46.9	-	0.5	2.7	21.1	-
Huye	11.1	6.6	2.9	23.9	31.8	2.8	0.2	3.0	17.9	-
Nyamagabe	7.6	10.5	9.3	10.4	54.7	-	0.4	2.6	4.4	-
Ruhango	11.6	5.3	0.3	19.5	47.6	0.2	0.8	1.3	13.5	-
Muhanga	5.0	2.0	1.4	3.8	75.8	0.1	4.3	0.4	7.2	-
Kamonyi	7.1	15.2	0.2	2.8	54.0	0.2	2.6	4.1	13.6	0.3
Karongi	1.9	14.2	5.2	6.2	64.7	-	2.3	0.8	4.7	-
Rutsiro	3.0	2.1	8.9	16.5	62.8	-	2.4	1.0	3.2	-
Rubavu	1.0	14.4	16.6	3.4	26.3	-	-	36.5	1.9	-
Nyabihu	2.4	11.8	11.1	8.7	53.5	-	0.5	9.0	3.0	-
Ngororero	4.5	4.3	3.7	6.1	73.7	-	3.0	1.2	3.6	-
Rusizi	5.5	9.8	-	3.3	62.8	0.0	8.5	4.4	5.6	0.1
Nyamasheke	3.0	10.3	6.9	2.7	64.2	1.5	5.6	2.0	3.7	0.1
Rulindo	3.3	4.1	5.7	12.6	62.7	0.1	1.1	2.4	8.0	0.0
Gakenke	4.2	8.7	3.2	3.7	71.4	-	2.7	1.4	4.7	-
Musanze	2.4	8.6	1.9	0.4	49.6	-	0.7	31.8	4.7	-
Burera	13.8	2.8	5.2	7.5	56.0	0.3	0.6	10.1	3.7	-
Gicumbi	1.1	5.0	9.9	20.2	59.5	1.9	0.4	0.7	1.2	-
Rwamagana	5.1	9.9	7.4	6.8	52.1	0.5	2.4	9.1	6.9	-
Nyagatare	7.7	11.4	0.1	8.5	51.5	0.1	8.2	5.1	7.5	-
Gatsibo	2.2	17.3	0.3	18.0	46.4	0.1	5.2	2.1	8.4	-
Kayonza	4.0	10.4	5.4	5.2	52.2	0.1	5.4	1.6	15.8	-
Kirehe	5.5	3.2	3.2	7.2	68.2	0.1	11.7	-	0.4	0.5
Ngoma	6.4	6.6	2.7	8.1	58.4	0.0	9.2	3.0	5.3	0.2
Bugesera	10.2	12.2	4.7	8.1	41.3	0.0	2.0	5.4	16.0	0.2
National	5.7	7.8	4.8	10.7	56.4	0.4	2.5	4.1	7.7	0.1

Source: NISR, SAS 2025

Table 75: **2025 Season C percentage of plots per type of anti-erosion activities and district**

District	Ditches	Trees/ Windbreak/ shelterbelt	Bench terraces	Progressive terraces	Cover plants	Water drainage	Mulching	Beds/ridges	Water channels	Others
					Type of anti-erosion activities					
Nyarugenge	-	4.97	-	5.07	2.56	-	3.62	19.48	64.3	-
Gasabo	4.2	4.56	0.1	0.24	24.22	1.0	8.18	12.97	44.57	-
Kicukiro	1.38	-	-	-	14.97	-	9.79	18.1	55.78	-
Nyanza	8.82	1.22	0.82	7.69	9.6	3.63	1.83	14.3	52.08	-
Gisagara	1.92	0	0.17	0.78	7.77	3.1	0.89	15.9	69.48	-
Nyaruguru	2.33	0.1	1.54	-	11.65	0.89	0.8	2.47	80.21	-
Huye	0.35	0.81	1.0	0.65	6.85	1.7	0.7	40.07	47.92	-
Nyamagabe	2.18	1.44	18.88	2.61	26.7	0	1.05	7.72	39.42	-
Ruhango	4.63	4.42	-	0.05	30.4	0.99	3.15	15.85	40.5	-
Muhanga	2.62	3.76	-	1	38.38	1.78	0.41	12.67	39.37	-
Kamonyi	3.96	3.6	-	3.78	21.14	5.65	1.22	16.13	44.52	-
Karongi	0.05	0.8	16.74	2.62	48.95	-	1.26	8.33	21.28	-
Rutsiro	1.49	7.62	2.18	4.17	25.88	0	1.52	28.3	28.85	-
Rubavu	0	12.19	18.65	1.84	29.95	-	2.59	33.17	1.62	-
Nyabihu	4.77	6.11	18.62	7.93	51.67	-	0	9.99	0.71	0.21
Ngororero	4.44	1.91	6.6	2.21	51.24	0	1.69	18.07	13.83	-
Rusizi	0.31	11.62	-	0.8	22.73	18.74	2.7	1.77	41.28	-
Nyamasheke	0.5	5.61	8.91	2.91	19.88	-	2.87	13.57	45.75	-
Rulindo	0.87	2.15	11.5	2.99	44.45	-	7.74	9.31	21	-
Gakenke	0.52	6.44	4.52	1.71	50.34	5.91	1.32	0.61	28.63	-
Musanze	2.37	17.15	1.78	1.57	39.71	0.0	1.13	25.65	4.8	5.81
Burera	1.4	9.99	5.73	15.97	58.75	0.08	0.37	5.07	2.65	-
Gicumbi	0.41	3.09	0.32	3.69	32.88	0.04	0	12.31	47.27	-
Rwamagana	8.89	4.1	5.75	7.09	19.02	1.8	1.31	17.02	35.01	-
Nyagatare	7.44	5.08	-	4.43	13.71	17.66	6.48	5.96	39.23	-
Gatsibo	0.35	0.99	-	0.04	19.03	8.72	3.2	24.29	43.38	-
Kayonza	6.58	4.65	4.76	1.48	12.07	8.37	2.69	6.59	52.82	-
Kirehe	3.79	0.64	0.1	2.59	13.24	0.23	4.87	23.27	51.24	-
Ngoma	0.26	0.1	11.81	0.13	17.64	20.48	11.22	0	38.32	-
Bugesera	3.56	3.25	-	7.23	16.39	7.5	9.3	8.35	44.42	-
National	**2.38**	**8.12**	**7.63**	**7.16**	**40.81**	**1.21**	**1.32**	**14.22**	**16.31**	**0.84**

Source: NISR, SAS 2025

Table 76: **2025 Season A_Percentage of plots by degree of erosion per district**

District	Degree of erosion			
	Severe (Rill erosion, Gully erosion, Mass movement/Landslides)	Moderate (Diffuse overland flow erosion, overland flow erosion)	Low (Wind erosion)	Very Low (Splash erosion)
Nyarugenge	2.0	15.8	79.9	2.3
Gasabo	0.8	9.8	40.0	49.5
Kicukiro	0.0	6.8	59.4	33.8
Nyanza	0.7	10.4	31.6	57.3
Gisagara	0.8	6.3	20.5	72.4
Nyaruguru	1.1	5.9	62.3	30.8
Huye	4.6	13.9	7.5	74.0
Nyamagabe	4.7	22.7	45.3	27.3
Ruhango	3.1	8.5	23.6	64.8
Muhanga	1.5	4.3	44.9	49.3
Kamonyi	2.3	15.4	46.7	35.6
Karongi	3.2	15.5	57.4	24.0
Rutsiro	6.0	16.5	17.3	60.3
Rubavu	0.3	3.8	28.2	67.8
Nyabihu	4.5	22.0	20.3	53.3
Ngororero	3.6	6.0	12.4	78.0
Rusizi	2.1	27.7	26.6	43.7
Nyamasheke	3.2	14.9	28.4	53.5
Rulindo	4.9	31.6	46.5	17.0
Gakenke	2.2	18.4	21.1	58.4
Musanze	2.1	9.8	26.3	61.9
Burera	0.3	7.6	44.8	47.3
Gicumbi	0.3	17.6	17.5	64.5
Rwamagana	0.4	2.6	22.4	74.7
Nyagatare	0.3	5.5	48.8	45.5
Gatsibo	0.2	5.0	28.7	66.2
Kayonza	0.8	6.3	24.9	68.0
Kirehe	1.2	2.8	2.8	93.2
Ngoma	0.7	10.1	54.0	35.3
Bugesera	0.2	1.4	41.9	56.5
National	**2.2**	**12.3**	**32.3**	**53.3**

Source: NISR, SAS 2025

Table 77: **2025 Season B_Percentage of plots by degree of erosion per district**

District	Degree of erosion			
	Severe (Rill erosion, Gully erosion, Mass movement/Landslides)	Moderate (Diffuse overland flow erosion, overland flow erosion)	Low (Wind erosion)	Very Low (Splash erosion)
Nyarugenge	0.0	0.0	21.8	78.3
Gasabo	0.2	7.3	12.8	79.7
Kicukiro	1.1	8.2	38.6	52.1
Nyanza	1.7	10.5	16.7	71.1
Gisagara	1.0	4.8	37.6	56.6
Nyaruguru	0.0	8.9	43.4	47.7
Huye	8.1	16.8	4.2	70.8
Nyamagabe	9.2	14.7	46.3	29.9
Ruhango	2.8	4.9	16.0	76.3
Muhanga	0.9	6.4	57.3	35.4
Kamonyi	1.1	4.7	46.9	47.4
Karongi	0.8	10.9	50.5	37.8
Rutsiro	0.5	21.8	26.0	51.7
Rubavu	0.0	3.1	28.5	68.4
Nyabihu	3.5	16.4	31.3	48.8
Ngororero	3.0	10.6	45.2	41.2
Rusizi	0.9	30.5	37.3	31.3
Nyamasheke	1.2	8.8	25.9	64.1
Rulindo	1.3	24.3	54.7	19.7
Gakenke	1.5	15.4	55.6	27.5
Musanze	9.0	10.0	57.7	23.3
Burera	0.2	3.9	37.5	58.4
Gicumbi	0.3	10.6	22.0	67.2
Rwamagana	0.1	0.4	32.1	67.4
Nyagatare	0.1	7.0	52.0	41.0
Gatsibo	1.9	5.3	21.8	71.1
Kayonza	0.2	6.9	19.1	73.9
Kirehe	0.1	1.1	1.1	97.7
Ngoma	0.1	8.1	43.6	48.3
Bugesera	0.0	8.2	28.8	63.0
National	**2.0**	**10.4**	**34.9**	**52.8**

Source: NISR, SAS 2025

Table 78: **2025 Season C_Percentage of plots by degree of erosion per district**

District	Severe (Rill erosion, Gully erosion, Mass movement/Landslides)	Moderate (Diffuse overland flow erosion, overland flow erosion)	Low (wind erosion)	Very Low (splash erosion)
Nyarugenge	-	18.34	58.98	22.67
Gasabo	-	28.5	49.21	22.25
Kicukiro	-	11.0	25.89	63.12
Nyanza	17.07	1.91	18.88	62.14
Gisagara	10.55	12	54.36	23.08
Nyaruguru	-	13.72	30.1	56.18
Huye	-	22.04	17.16	60.8
Nyamagabe	-	14.44	42.18	43.39
Ruhango	6.7	12.9	14.23	66.22
Muhanga	4.2	16.21	4.8	74.78
Kamonyi	1.5	12.69	9.65	76.2
Karongi	-	11.48	18.08	70.44
Rutsiro	-	-	37.5	62.46
Rubavu	-	35.65	23.74	40.61
Nyabihu	3.52	0.53	21.48	74.46
Ngororero	-	13.11	53.36	33.53
Rusizi	-	15.96	25.82	58.22
Nyamasheke	1.2	10.0	48.15	40.61
Rulindo	0	4.25	8.64	87.12
Gakenke	0	2.01	39.12	58.87
Musanze	0.05	8.11	54.99	36.85
Burera	0	11.03	52.28	36.69
Gicumbi	1.8	0.6	12.45	85.15
Rwamagana	0.0	0.83	3.6	95.57
Nyagatare	-	7.59	51.41	41
Gatsibo	-	2.61	35.06	62.34
Kayonza	-	0.92	37.67	61.41
Kirehe	0.5	0	12.11	87.44
Ngoma	-	0	0	100
Bugesera	20.25	4.92	19.97	54.86
National	**3.22**	**10.96**	**29.54**	**56.29**

Source: NISR, SAS 2025

ANNEX

Annex 1: Concepts, definitions, and estimation methods

1. Total land area

Total land area at district level is the district area excluding area under inland water bodies. The definition of inland water bodies generally includes major rivers and lakes.

2. Agricultural area

The agricultural area includes arable land, land under permanent[2] crops and permanent pasture.

3. Arable land

Arable land includes land defined by the FAO as land under temporary crops (double-cropped areas are counted only once), temporary meadows for mowing or pasture, land under market and kitchen gardens and land temporarily fallow (less than five years). The abandoned land resulting from shifting cultivation is not included in this category. Data for arable land are not meant to indicate the amount of land that is potentially cultivable.

4. Permanent crop land

Permanent crops are sown or planted once and occupy the land for some years and do not need to be replanted after each annual harvest, such as cocoa, coffee and rubber. This category includes flowering shrubs, fruit trees, nut trees and vines, but excludes trees grown for wood or timber. The following crops are considered as permanent crops in SAS: Cooking banana, Dessert banana, Banana for beer, Avocado, Coffee, Sugar cane, Macadamia, Olive, Mango, Apple, Papaya, Orange, Lemon, Guava, Mulberry, Stevia, Jatropha, Palm, and Tea.

5. Permanent pasture land

Land used permanently (five years or more) for herbaceous forage crops, either cultivated or growing wild (wild prairie or grazing land).

6. Irrigated agricultural land

Area equipped for irrigation, which is actually irrigated, (sometimes expressed as a percentage of the total land area). Part of the area equipped for irrigation refers to area equipped to provide water to crops and includes areas equipped for full/partial control irrigation, equipped lowland areas, and areas equipped for spate irrigation. Part of the area equipped for irrigation which is irrigated refers to physical areas. Irrigated land that is cultivated more than once a year is counted only once.

7. Physical area

Physical area refers to the total area of the plot as physically measured. The physical agricultural area in a district is estimated by aggregating all weighted individual agricultural plots area for that district.

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[2]   *For some plots, permanent crops are mixed with temporary crops which mean that same area is counted in both arable land area and area under permanent crop.*

8. Crop area (cultivated area)

Crop area refers to the area occupied by a given crop in a plot considering its density or occupation. In context of Rwanda as well as many African countries, mixed cropping system is a general practice in agriculture. This practice makes it complex to estimate area under crop cultivation. In case of pure stands (for crop completely covering a plot), crop area is equal or less to physical plot area (if a crop is partially covering the plot, the share is estimated then applied to the plot area). In case of mixed crops, the share of each crop in the plot is estimated by enumerator by eye estimation method and applied to the physical area of the plot to obtain area for each specific crop planted in plot. In this context, the crop share is eye estimation of crop density or occupation in a plot (in %) basing on spacing between plants. Cultivated area at district level is equal to the total weighted crop areas within plots in the whole district.

Examples

- In case of pure stands, crop area will be equal to the physical area if the crop entirely covers the whole plot. Otherwise, the crop area will be less than physical area. For example, a plot of 1 hectare in which maize was grown and completely occupies the whole plot (100 % occupied), it means that cultivated area for maize is 1 hectare. On the other side let us assume that the maize crop occupies 80 % of the total plot area. In that case the area of maize equals 0.8 hectares (1hectare times 0.8).

- In case of mixed cropping system, specifically seasonal crops the crop area is less than physical area. For example, a plot of 1 hectare grown with maize and beans which occupies 60 % and 40 % of total plot area respectively. The maize area will be 0.6 hectare (1hectare times 0.6), and beans area will be 0.4(1hectare times 0.4). It is important to note that sum of shares of seasonal crops do not exceed one hundred percent.

- When seasonal and perennial crops are mixed in same plot, since perennial crops are permanent crops in nature, their shares are treated separately from seasonal crops. The sum of seasonal crops share does not exceed 100 %, while for perennial crops shares are given based on density (spacing between trees) and it may exceed 100 percent. For example, a plot of 1 hectare grown with maize, bean, and cassava with 60 %, 40 % and 50% shares respectively. Maize area will be 0.6 hectare (1hectare times 0.6), beans area will be 0.4(1hectare times 0.4), while cassava area will be 0.5 hectare (1hectare times 0.5).

9. Developed area

Developed area is the land covered by crops. Due to mixed cropping (over exploitation of agriculture land or under exploitation in case pure cropping), developed area can be less or greater than the physical area. Basing on the example provided above of the plot in which maize, beans and cassava have been mixed, maize has 0.6, beans have 0.4 while cassava has 0.5 ha. The developed area equals the sum of the crops area equivalent to 1.5 ha.

10. Harvested area

Area harvested is defined as the total number of hectares for all crops that is harvested in a given agriculture season. In case of crops considered as seasonal, the harvested area is assumed to be equal to the cultivated area. For perennial crops a farmer can decide to harvest a portion of land and stores the remaining production in the farm or harvest the whole plot for commercial or other purposes. In this case, the proportion of harvested area is estimated and applied to the plot area to obtain actual harvested area. For example, cassava which occupies 0.5 hectare has 5,000 trees of cassava. In agriculture Season B, if the farmer only harvested 1,250 trees. In this case, the farmer harvested only a quarter (0.125hectares) of the cultivated area.

11. Crop yield

Crop yield is defined as total reported quantity of harvested crop over the harvested area of that crop.

12. Crop production

Crop production is the product of crop yield and crop area (harvested). At district level, crop production is estimated by taking crop yield of crop produce times total harvested area in the district

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