# Rwanda - Rwanda Season Agriculture Survey 2022

**National Institute of Statistics of Rwanda - Ministry of Finance and Economic Planning**

Report generated on: February 22, 2023

Visit our data catalog at: https://microdata.statistics.gov.rw/index.php

# Overview

## Identification

ID NUMBER
RWA-NISR-SAS-2022-v0.1

## Version

VERSION DESCRIPTION
Edited, anonymous dataset for public use

## Overview

ABSTRACT
The main objective of the Seasonal Agricultural Survey is to provide timely, accurate, reliable, and comprehensive agricultural statistics that describe the structure of agriculture in Rwanda mainly in terms of land use, crop area, yield, and crop production to monitor current agricultural and food supply conditions and to facilitate evidence-based decision making for the development of the agricultural sector.

The National Institute of Statistics of Rwanda (NISR) has been conducting seasonal agricultural surveys since 2012 for the estimation of the national agricultural crop area and production estimates. In the 2021/2022 agricultural year, the NISR conducted Seasonal Agricultural Survey (SAS) covering the three agricultural seasons. The SAS provides information used as a tool to assist in addressing key agricultural issues and information needs that will inform policymakers and other stakeholders and allow more effective identification of priority intervention needs.

UNITS OF ANALYSIS
This seasonal agriculture survey focused on the following units of analysis: Small scale agricultural farms and large scale farms

## Coverage

GEOGRAPHIC COVERAGE
National coverage allowing district-level estimation of key indicators

UNIVERSE
The SAS 2022 targeted potential agricultural land and large scale farmers

## Producers and Sponsors

PRIMARY INVESTIGATOR(S)

| Name | Affiliation |
|---|---|
| National Institute of Statistics of Rwanda | Ministry of Finance and Economic Planning |

OTHER PRODUCER(S)

| Name | Affiliation | Role |
|---|---|---|
| National Institute of Statistics of Rwanda | Ministry of Finance and Economic Planning | Main Producer of the Survey |

FUNDING

| Name | Abbreviation | Role |
|---|---|---|
| Government of Rwanda | GoR | Funder of the Survey |

# Metadata Production

METADATA PRODUCED BY

| Name | Abbreviation | Affiliation | Role |
|---|---|---|---|
| National Institute of Statistics of Rwanda | NISR | Ministry of Finance and Economic Planning | Main Producer of the Survey |

DDI DOCUMENT ID

RWA-NISR-SAS-2022-v0.1

# Sampling

## Sampling Procedure

Sampling Procedure

The total country land was classified into five strata of which four are agricultural while the remaining stratum is for land not potential for agriculture. The dominant hill crop land stratum, dominant wetland crops, dominant rangeland, and mixed stratum were considered as land potential for agriculture. The remaining stratum is the non-agricultural land. Note that clusters covered by tea plantations were not considered in the area sample frame.
In the 2022 agricultural year, the total sample used was 1200 segments. In the first stage,1200 segments were selected and allocated at the district level based on the power allocation approach (Bankier, 1988). Sampled segments inside each district were distributed among strata with a proportional-to-area criterion.

In the second stage, 25 sample points were systematically selected, following a special distance of 60 meters between points. For every sample point, a corresponding should be interviewed which constitutes the sampling units within each segment. Enumerators locate every point, delineate plots in which the sample points fall, and then collect information on land use and other 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.

Response Rate

Data collection was done in 1200 segments and 336 large-scale farmers' holdings for Seasons A and B, whereas in Season C data was collected in 2093 sites potential to grow season C crops in addition to 513 segments, and response rate was 100% of the sample

## Weighting

Sampling weights were calculated for each stratum in each district considering the total number of segments in the stratum and the sample size in the specific stratum

# Questionnaires

No content available

# Data Collection

## Data Collection Mode

Face-to-face [f2f]

# Data Processing

No content available

# Data Appraisal

No content available

# File Description

# Variable List

# rwa-sas-seasonA_Crop production

| | |
|---|---|
| Content | |
| Cases | 41589 |
| Variable(s) | 101 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V628 | Segment_ID | 1.0 Segment identification | contin | numeric | |
| V629 | s1q1 | 1.1 Province | discrete | numeric | |
| V630 | s1q2 | 1.2 District name & code | discrete | numeric | |
| V631 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V632 | s1q4 | 1.4 Segment | contin | numeric | |
| V633 | s1q6 | 1.6 Farmer ID/LSF ID | contin | numeric | |
| V634 | s1q7 | 1.7 Farmer/LSF type | discrete | numeric | |
| V635 | s1q8 | 1.8 Gender | discrete | numeric | |
| V636 | s1q9 | 1.9 Age | contin | numeric | |
| V637 | s1q14 | 1.14 Did the farmer respond him/herself? | discrete | numeric | |
| V638 | s1q17 | 1.17 Relationship of respondent to the farmer | discrete | numeric | |
| V639 | s1q17_o | 1.17 Other Relationship of respondent to the farmer | discrete | character | |
| V640 | s2q1 | 2.1 Plot No | contin | numeric | |
| V641 | s2q2 | 2.4 Plot size (m2) | contin | numeric | |
| V642 | s2q3 | 2.3 Number of main crops to be harvested during this season in the plot. | discrete | numeric | |
| V643 | s2q4 | 2.4 Crop name | discrete | numeric | |
| V644 | s2q4_o | 2.4 Crop name | discrete | character | |
| V645 | s2q5 | 2.5 Number of plants in this plot for perennial crops | contin | numeric | |
| V646 | s2q6 | 2.6 Number of plants to be harvested in this season for perennial crops | contin | numeric | |
| V647 | s3q2_1 | 3.2.1 Crop proportion (in %) | contin | numeric | |
| V648 | s3q2_2 | 3.2.2 Crop proportion code | discrete | numeric | |
| V649 | s3q3_1 | 3.3.1 Crop density (in %) | contin | numeric | |
| V650 | s3q3_2 | 3.3.2 Crop Density code | discrete | numeric | |
| V651 | s2q7 | 2.7 Sowing date | discrete | numeric | |
| V652 | s2q8 | 2.8 Expected period for crop harvesting | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V653 | s2q9 | 2.9 Did you use improved seed for this crop in any of your plots in this season? | discrete | numeric | |
| V654 | s2q10 | 2.10 Where did improved seeds sown come from? | discrete | numeric | |
| V655 | s2q10_o | | discrete | character | |
| V656 | s2q11 | 2.11 Type of seeds sown in this plot | discrete | numeric | |
| V657 | s2q12 | 2.12 Is the seed sown in this plot for the current season? | discrete | numeric | |
| V658 | s2q13_1 | 2.13.1 Unit of traditional seeds | discrete | numeric | |
| V659 | s2q13_2 | 2.13.2 Quantity Sown | contin | numeric | |
| V660 | s2q14 | 2.14 Quantity of traditional seeds purchased and sown in the plot | contin | numeric | |
| V661 | s2q15 | 2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf) | contin | numeric | |
| V662 | s2q16_1 | 2.16.1 Unit of improved seeds | discrete | numeric | |
| V663 | s2q16_2 | 2.16.2 Quantity Sown | contin | numeric | |
| V664 | s2q17 | 2.17 Quantity of improved seeds purchased and sown in this plot | contin | numeric | |
| V665 | s2q18 | 2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf) | contin | numeric | |
| V666 | s2q19_1 | 2.19 Unit of measurement | discrete | numeric | |
| V667 | s2q19_3 | 2.19 Quantity already harvested (in Kg) | contin | numeric | |
| V668 | s2q20_2 | 2.20 Remaining quantity to be harvested(in Kg) | contin | numeric | |
| V669 | s2q21 | 2.21 Total quantity of harvest for this season (in Kg) | contin | numeric | |
| V670 | s2q22_status | 2.22 How can you compare the harvest in this season with last year? | discrete | numeric | |
| V671 | s2q22_1 | 2.22 Explanation on crop production status | discrete | numeric | |
| V672 | s2q22_2 | 2.22 Explanation on crop production status | discrete | numeric | |
| V673 | s2q22_3 | 2.22 Explanation on crop production status | discrete | numeric | |
| V674 | s2q22_3_o | 2.22 Explanation on crop production status | discrete | character | |
| V675 | s2q22_disease | 2.22 Explanation on crop production status-specify disease/pest | discrete | character | |
| V676 | s2q23 | 2.23 Total qty of produced/to be harvested on this crop in this season (kg) | contin | numeric | |
| V677 | s2q24 | 2.24 Total qty of harvest transformed/to be transformed by the farmer (kg) | contin | numeric | |
| V678 | s2q25 | 2.25 Total qty of harvest that has been sold/to be sold(kg) | contin | numeric | |
| V679 | s2q26 | 2.26 On which market this crop was sold? | discrete | numeric | |
| V680 | s2q26_0 | 2.26 On which market this crop was sold? | discrete | character | |
| V681 | s2q27 | 2.27 What was the selling price per kilogram? (Rwf/Kg) | contin | numeric | |
| V682 | s2q28 | 2.28 Total qty of harvest that has been/will be used/for own consumption(kg) | contin | numeric | |
| V683 | s2q29 | 2.29 Total qty of harvest that has been/will be used as wage for hired labor(kg) | contin | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V684 | s2q30 | 2.30 Total qty of harvest that has been/will be used as farm rent(kg) | contin | numeric | |
| V685 | s2q31 | 2.31 Total qty of harvest that has been/will be given to others as gift(kg) | contin | numeric | |
| V686 | s2q32 | 2.32 Total qty of harvest that has been/will be exchanged for other products(kg) | contin | numeric | |
| V687 | s2q33 | 2.33 Total qty of harvest that has been/will be used as seeds(kg) | contin | numeric | |
| V688 | s2q34 | 2.34 Total qty of harvest that has been/will be used as fodder(kg) | contin | numeric | |
| V689 | s2q35 | 2.35 Total qty of harvest that has been/will be kept as stock(kg) | contin | numeric | |
| V690 | s2q36 | 2.36 What is the storage facility used during this agricultural season? | discrete | numeric | |
| V691 | s2q36_o | 2.36 What is the storage facility used during this agricultural season? | discrete | character | |
| V692 | s2q37 | 2.37 Quantity of production stored in public storage (kg) | contin | numeric | |
| V693 | s2q38 | 2.38 Total qty of harvest that has been damaged/or the estimated loss in kg | contin | numeric | |
| V694 | s2q39 | 2.39 Total qty of harvest that has been/will be used in other ways(kg) | contin | numeric | |
| V695 | s2q40 | 2.40 Pre_harvest loss: What was the total quantity stolen ?(kg) | contin | numeric | |
| V696 | s2q41 | 2.41 Pre-harvest loss: Total qty damaged by insects/pests (kg) | contin | numeric | |
| V697 | s2q42 | 2.42 Pre-harvest loss: Total qty damaged by birds/animals (kg) | contin | numeric | |
| V698 | s2q43 | 2.43 Pre-harvest loss: Total qty of stalks fallen to the ground?(kg) | contin | numeric | |
| V699 | s2q44 | 2.44 Pre-harvest loss: Total qty lost during harvesting?(kg) | contin | numeric | |
| V700 | s2q45 | 2.45 Post-harvest loss: Total qty lost in the transportation of harvest?(kg) | contin | numeric | |
| V701 | s2q46 | 2.46 Post-harvest loss: Total qty lost in storage (kg) | contin | numeric | |
| V702 | s2q47 | 2.47 Post-harvest loss: Total qty lost during processing (kg) | contin | numeric | |
| V703 | s2q48 | 2.48 Post-harvest loss: Total qty lost during packaging(kg) | contin | numeric | |
| V704 | s2q49 | 2.49 Post-harvest loss: Total qty lost at sales (kg) | contin | numeric | |
| V705 | plot_weight | plot_weight | contin | numeric | |
| V706 | Harv_area | 2.2.ii Harvested crop area | contin | numeric | |
| V707 | sold_ratio | | contin | numeric | |
| V708 | consum_ratio | | contin | numeric | |
| V709 | wage_ratio | | contin | numeric | |
| V710 | rent_ratio | | contin | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V711 | gift_ratio | | contin | numeric | |
| V712 | exchanged_ratio | | discrete | numeric | |
| V713 | seed_ratio | | contin | numeric | |
| V714 | feed_ratio | | contin | numeric | |
| V715 | stock_ratio | | contin | numeric | |
| V716 | lost_ratio | | contin | numeric | |
| V717 | other_ratio | | contin | numeric | |
| V718 | yield | individual crop yiedl at plot level | contin | numeric | |
| V719 | post_harvest | | contin | numeric | |
| V720 | production_harvestinglos | | contin | numeric | |
| V721 | harvesting_ratio | | contin | numeric | |
| V722 | transport_ratio | | contin | numeric | |
| V723 | storage_ratio | | discrete | numeric | |
| V724 | processing_ratio | | contin | numeric | |
| V725 | packaging_ratio | | contin | numeric | |
| V726 | sales_ratio | | contin | numeric | |
| V727 | aweight | | contin | numeric | |
| V728 | CropCategory | 2.4 Crop name | discrete | numeric | |

# rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

| | |
|---|---|
| Content | |
| Cases | 24279 |
| Variable(s) | 45 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V729 | Segment_ID | 1.0 Segment identification | contin | numeric | |
| V730 | s2q1 | 2.1 Plot No | contin | numeric | |
| V731 | s1q1 | 1.1 Province | discrete | numeric | |
| V732 | s1q2 | 1.2 District name & code | discrete | numeric | |
| V733 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V734 | s1q4 | 1.4 Segment | contin | numeric | |
| V735 | s1q6 | 1.6 Farmer ID/LSF ID | contin | numeric | |
| V736 | s1q7 | 1.7 Farmer/LSF type | discrete | numeric | |
| V737 | s1q8 | 1.8 Gender | discrete | numeric | |
| V738 | s1q9 | 1.9 Age | contin | numeric | |
| V739 | s1q17_o | 1.17 Other Relationship of respondent to the farmer | discrete | character | |
| V740 | s2q2 | 2.4 Plot size (m2) | contin | numeric | |
| V741 | s3q1 | 3.1 Did you use organic fertilizer in any of your plots during this season? | discrete | numeric | |
| V742 | s3q2_1 | source of organic fertlizer1 | discrete | numeric | |
| V743 | s3q2_2 | source of organic fertlizer2 | discrete | numeric | |
| V744 | s3q2_o | 3.2 Where did organic fertilizer used came from? | discrete | character | |
| V745 | s3q2_3 | source of organic fertlizer3 | discrete | numeric | |
| V746 | s3q3 | 3.3 Have you used organic fertilizer in this plot during this season? | discrete | numeric | |
| V747 | s3q4 | 3.4 Total cost of organic fertilizer purchased (Frw) | contin | numeric | |
| V748 | s3q5 | 3.5 Was the quantity of organic fertilizer used sufficient for you compared to t | discrete | numeric | |
| V749 | s3q6_1 | main reasons1 | discrete | numeric | |
| V750 | s3q6_2 | main reasons2 | discrete | numeric | |
| V751 | s3q6_o | 3.6 If the organic fertilizer used was not sufficient, what is the main reason o | discrete | character | |
| V752 | s3q7 | 3.7 Did you use inorganic fertilizer in any of your plots during this season? | discrete | numeric | |
| V753 | s3q8 | 3.8 What is the main source of fertilizer used? | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V754 | s3q8_o | 3.8 What is the main source of fertilizer used? | discrete | character | |
| V755 | s3q9 | 3.9 Have you used inorganic fertilizer in this plot during this season? | discrete | numeric | |
| V756 | s3q10 | 3.10 Type of inorganic fertilizer used | discrete | numeric | |
| V757 | s3q10_o | 3.10 Type of inorganic fertilizer used | discrete | character | |
| V758 | s3q11 | 3.11 Measurement unit | discrete | numeric | |
| V759 | s3q12 | 3.12 Total quantity used in this plot | contin | numeric | |
| V760 | s3q13 | 3.13 Quantity purchased and used in this plot | contin | numeric | |
| V761 | s3q14 | 3.14 Unit price (Rwf) | contin | numeric | |
| V762 | s3q15 | 3.15 Main crops to be fertilized? | discrete | numeric | |
| V763 | s3q16 | 3.16 Did you use any type of micro-nutrients in any of your plots in this season | discrete | numeric | |
| V764 | s3q17 | 3.17 Did you use any type of micro-nutrients in this plot during this season? | discrete | numeric | |
| V765 | s3q18 | 3.18 Did you use pesticide/Fungicide in any of your plots during this season? | discrete | numeric | |
| V766 | s3q19 | 3.19 Have you used pesticide/Fungicide in this plot during this current season? | discrete | numeric | |
| V767 | s3q20 | 3.20 Type of pesticide/fungicide used | discrete | numeric | |
| V768 | s3q20_o | 3.20 Other type of pesticide/fungicide used | discrete | character | |
| V769 | s3q21 | 3.21 Measurement unit | discrete | numeric | |
| V770 | s3q22 | 3.22 Total quantity used | contin | numeric | |
| V771 | s3q23 | 3.23 Quantity purchased and used in the plot | contin | numeric | |
| V772 | s3q24 | 3.24 Total amount spent on quantity purchased (Frw) | contin | numeric | |
| V773 | plot_weight | plot_weight | contin | numeric | |

# rwa-sas-SeasonA_PartIV_Agricultural practice

| | |
|---|---|
| Content | |
| Cases | 17376 |
| Variable(s) | 60 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V774 | Segment_ID | lsf_id | contin | numeric | |
| V775 | s1q1 | 1.1 Province | discrete | numeric | |
| V776 | s1q2 | 1.2 District name & code | discrete | numeric | |
| V777 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V778 | s1q4 | 1.4 Segment | contin | numeric | |
| V779 | s1q6 | 1.6 Farmer ID/LSF ID | contin | numeric | |
| V780 | s1q7 | 1.7 Farmer/LSF type | discrete | numeric | |
| V781 | s1q8 | 1.8 Gender | discrete | numeric | |
| V782 | s1q9 | 1.9 Age | contin | numeric | |
| V783 | s2q1 | 2.1 Plot Number | contin | numeric | |
| V784 | s2q2 | total plot area_final | contin | numeric | |
| V785 | s4q1 | 4.1 What is the degree of erosion on this plot? | discrete | numeric | |
| V786 | s4q2 | 4.2 Is there any anti-erosion activity in any of your plots? | discrete | numeric | |
| V787 | s4q3 | 4.3 Is there any anti-erosion activity on this plot? | discrete | numeric | |
| V788 | s4q4 | 4.4 Were these anti-erosion activities done during the current agricultural seas | discrete | numeric | |
| V789 | s4q5 | 4.5 What is the total cost of anti-erosion activities done during this season (F | contin | numeric | |
| V790 | s4q6 | 4.6 Is this plot located in land consolidated site in this season? | discrete | numeric | |
| V791 | s4q7_1 | 4.7 What do you gain as support from land consolidation program?(Benefit1) | discrete | numeric | |
| V792 | s4q7_2 | 4.7 What do you gain as support from land consolidation program?(Benefit2) | discrete | numeric | |
| V793 | s4q7_3 | 4.7 What do you gain as support from land consolidation program?(Benefit3) | discrete | numeric | |
| V794 | s4q7_4 | 4.7 What do you gain as support from land consolidation program?(Benefit4) | discrete | numeric | |
| V795 | s4q7_0 | 4.7 What do you gain as support from land consolidation program? | discrete | character | |
| V796 | s4q8 | 4.8 Did you use any mechanical equipment for agriculture activities in any of yo | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V797 | s4q9 | 4.9 Did you use any mechanical equipment for agriculture activities on this plot | discrete | numeric | |
| V798 | s4q10_1 | 4.10.1 Have you used ploughing animals (oxen) in this plot during this season? | discrete | numeric | |
| V799 | s4q10_2_1 | 4.10.2 At which stage of agriculture practice have you used animal ploughing?(St | discrete | numeric | |
| V800 | s4q10_2_2 | 4.10.2 At which stage of agriculture practice have you used animal ploughing?(St | discrete | numeric | |
| V801 | s4q10_2_o | 4.10.2 At which stage of agriculture practice have you used animal ploughing? | discrete | character | |
| V802 | s4q10_3 | 4.10.3 Amount paid on ploughing animals during this season (Rwf) | discrete | numeric | |
| V803 | s4q11_1 | 4.11.1 Have you used a ploughing tractor in this plot during this season? | discrete | numeric | |
| V804 | s4q11_2_1 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V805 | s4q11_2_2 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V806 | s4q11_2_3 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V807 | s4q11_2_4 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V808 | s4q11_2_5 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V809 | s4q11_2_o | 4.11.2 At which stage of agriculture practice have you used ploughing tractor? | discrete | character | |
| V810 | s4q11_3 | 4.11.3 Amount paid on ploughing tractor (Rwf) in this season? | contin | numeric | |
| V811 | s4q12_1 | 4.12.1 Have you used any other mechanical equipment not mentioned in this plot d | discrete | numeric | |
| V812 | s4q12_2_1 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V813 | s4q12_2_2 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V814 | s4q12_2_3 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V815 | s4q12_2_o | 4.12.2 At which stage of agriculture practices have you used other mechanical eq | discrete | character | |
| V816 | s4q12_3 | 4.12.3 Name of other mechanical equipment used during this season | discrete | character | |
| V817 | s4q12_4 | 4.12.4 Amount paid for the other mechanical equipment in this season? (Rwf) | contin | numeric | |
| V818 | s4q13 | 4.13 Amount spent on hired labor used to prepare land, sowing and any other agri | contin | numeric | |
| V819 | s4q14 | 4.14 Did you practice irrigation in any of your plots during this agricultural s | discrete | numeric | |
| V820 | s4q15 | 4.15 Has this plot been irrigated during this agricultural season? | discrete | numeric | |
| V821 | s4q16 | 4.16 What is irrigation technique used on this plot? | discrete | numeric | |
| V822 | s4q17_1 | 4.17 What is the source of water for irrigation?(source1) | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V823 | s4q17_2 | 4.17 What is the source of water for irrigation?(source2) | discrete | numeric | |
| V824 | s4q17_3 | 4.17 What is the source of water for irrigation?(source3) | discrete | numeric | |
| V825 | s4q17_4 | 4.17 What is the source of water for irrigation?(source4) | discrete | numeric | |
| V826 | s4q17_o | 4.17 What is the source of water for irrigation? | discrete | character | |
| V827 | s4q18_1 | 4.18 What is the irrigation tool have you used?(tool1) | discrete | numeric | |
| V828 | s4q18_2 | 4.18 What is the irrigation tool have you used?(tool2) | discrete | numeric | |
| V829 | s4q18_3 | 4.18 What is the irrigation tool have you used?(tool3) | discrete | numeric | |
| V830 | s4q18_4 | 4.18 What is the irrigation tool have you used?(tool4) | discrete | numeric | |
| V831 | s4q18_o | 4.18 What is the irrigation tool have you used? | discrete | character | |
| V832 | s4q19 | 4.19 What is the cost spent for irrigation activities? (Rwf) | contin | numeric | |
| V833 | plot_weight | plot_weight | contin | numeric | |

## rwa-sas-seasonA_Screening_Agroforestry

| | |
|---|---|
| Content | |
| Cases | 34477 |
| Variable(s) | 15 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V834 | Segment_ID | Segment Identification | contin | numeric | |
| V835 | s1q1 | 1.1 Province | discrete | numeric | |
| V836 | s1q2 | 1.2 District | discrete | numeric | |
| V837 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V838 | s1q4 | 1.4 Segment number | contin | numeric | |
| V839 | s2q1 | 2.1 Plot number | contin | numeric | |
| V840 | s2q4 | 2.4 Plot size (m2) | contin | numeric | |
| V841 | s2q5_2 | 2.5.2 Farmer ID | contin | numeric | |
| V842 | s2q6 | 2.6 Plot land use | discrete | numeric | |
| V843 | s2q7 | 2.7 Nonagricultural Land Type | discrete | numeric | |
| V844 | s2q7_Other | 2.7 Other Nonagricultural Land Type | discrete | character | |
| V845 | s2q10 | 2.10 Is there any agroforestry practices on this plot? | discrete | numeric | |
| V846 | s2q11_o | 2.11 Other types of agroforestry trees existing in this plot | discrete | character | |
| V847 | s2q11 | 2.11 Types of agroforestry trees planted in this plot? | discrete | numeric | |
| V848 | plot_weight | plot_weight | contin | numeric | |

# rwa-sas-seasonA_Screening_Antierosion_land consolidation

| | |
|---|---|
| Content | |
| Cases | 35362 |
| Variable(s) | 16 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V849 | Segment_ID | Segment Identification | contin | numeric | |
| V850 | s1q1 | 1.1 Province | discrete | numeric | |
| V851 | s1q2 | 1.2 District | discrete | numeric | |
| V852 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V853 | s1q4 | 1.4 Segment number | contin | numeric | |
| V854 | s2q1 | 2.1 Plot number | contin | numeric | |
| V855 | s2q4 | 2.4 Plot size (m2) | contin | numeric | |
| V856 | s2q5_2 | 2.5.2 Farmer ID | contin | numeric | |
| V857 | s2q6 | 2.6 Plot land use | discrete | numeric | |
| V858 | s2q7 | 2.7 Nonagricultural Land Type | discrete | numeric | |
| V859 | s2q7_Other | 2.7 Other Nonagricultural Land Type | discrete | character | |
| V860 | s2q8 | 2.8 Is there any antierosion activity on this plot? | discrete | numeric | |
| V861 | s2q9_o | 2.8 Other types of antierosion activities existing on plot | discrete | character | |
| V862 | s2q9 | 2.9 Types of anti erosion activities | discrete | numeric | |
| V863 | s2q16 | 2.16 Is this plot located in land consolidation site in this season? | discrete | numeric | |
| V864 | plot_weight | plot_weight | contin | numeric | |

## rwa-sas-seasonA-Screening_crops

| | |
|---|---|
| Content | |
| Cases | 52487 |
| Variable(s) | 30 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

# Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V865 | Segment_ID | Segment Identification | contin | numeric | |
| V866 | s1q1 | 1.1 Province | discrete | numeric | |
| V867 | s1q2 | 1.2 District | discrete | numeric | |
| V868 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V869 | s1q4 | 1.4 Segment number | contin | numeric | |
| V870 | s1q7 | 1.7 Number of grids sampled in the segment | discrete | numeric | |
| V871 | s2q1 | 2.1 Plot number | contin | numeric | |
| V872 | s2q2 | 2.2 Number of grid points that fall in this plot | contin | numeric | |
| V873 | s2q3 | 2.3 Grids fallling in the plot | discrete | character | |
| V874 | s2q4 | 2.4 Plot size (m2) | contin | numeric | |
| V875 | s2q4_ha | Plot size(ha) | contin | numeric | |
| V876 | s2q5_2 | 2.5.2 Farmer ID | contin | numeric | |
| V877 | s2q6 | 2.6 Plot land use | discrete | numeric | |
| V878 | s2q7 | 2.7 Nonagricultural Land Type | discrete | numeric | |
| V879 | s2q7_Other | 2.7 Other Nonagricultural Land Type | discrete | character | |
| V880 | s2q17 | 2.17 Cropping system | discrete | numeric | |
| V881 | s2q18 | 2.18 Number of main crops in the plot | discrete | numeric | |
| V882 | s3q1 | 3.1 Crop name | discrete | numeric | |
| V883 | s3q1_o | 3.1 Other Crop name | discrete | character | |
| V884 | s3q2_1 | 3.2.1 Crop proportion (in %) | contin | numeric | |
| V885 | s3q2_2 | 3.2.2 Crop proportion code | discrete | numeric | |
| V886 | s3q3_1 | 3.3.1 Crop density (in %) | contin | numeric | |
| V887 | s3q3_2 | 3.3.2 Crop Density code | discrete | numeric | |
| V888 | s3q4 | Number of banana plants | contin | numeric | |
| V889 | s3q5 | 3.5 Is this crop for this season? | discrete | numeric | |
| V890 | s3q6 | 3.6 Will this crop be harvested in this season? | discrete | numeric | |
| V891 | s3q7 | 3.7 What is the expected period for harvesting this crop | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V892 | plot_weight | plot_weight | contin | numeric | |
| V893 | CropCategory | 3.1 Crop name | discrete | numeric | |
| V894 | Crop_Area | | contin | numeric | |

## rwa-sas-seasonB_Crop production

| | |
|---|---|
| Content | |
| Cases | 36005 |
| Variable(s) | 101 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V895 | Segment_ID | IDQUEST | contin | numeric | |
| V896 | s1q1 | 1.1 Province | discrete | numeric | |
| V897 | s1q2 | 1.2 District name & code | discrete | numeric | |
| V898 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V899 | s1q4 | 1.4 Segment | contin | numeric | |
| V900 | s1q6 | 1.6 Farmer ID/LSF ID | contin | numeric | |
| V901 | s1q7 | 1.7 Farmer/LSF type | discrete | numeric | |
| V902 | s1q8 | 1.8 Gender | discrete | numeric | |
| V903 | s1q9 | 1.9 Age | contin | numeric | |
| V904 | s1q14 | 1.14 Did the farmer respond him/herself? | discrete | numeric | |
| V905 | s1q17 | 1.17 Relationship of respondent to the farmer | discrete | numeric | |
| V906 | s1q17_o | 1.17 Other Relationship of respondent to the farmer | discrete | character | |
| V907 | s2q1 | 2.1 Plot No | contin | numeric | |
| V908 | s2q2 | 2.2 Plot area(sqm) | contin | numeric | |
| V909 | s2q3 | 2.3 Number of main crops to be harvested during this season in the plot. | discrete | numeric | |
| V910 | s2q4 | 2.4 Crop name | discrete | numeric | |
| V911 | s2q4_o | 2.4 Crop name | discrete | character | |
| V912 | s2q5 | 2.5 Number of plants in this plot for perennial crops | contin | numeric | |
| V913 | s2q6 | 2.6 Number of plants to be harvested in this season for perennial crops | contin | numeric | |
| V914 | s3q2_1 | 3.2.1 Crop proportion (in %) | contin | numeric | |
| V915 | s3q2_2 | 3.2.2 Crop proportion code | discrete | numeric | |
| V916 | s3q3_1 | 3.3.1 Crop density (in %) | contin | numeric | |
| V917 | s3q3_2 | 3.3.2 Crop Density code | discrete | numeric | |
| V918 | s2q7 | 2.7 Sowing date | discrete | numeric | |
| V919 | s2q8 | 2.8 Expected period for crop harvesting | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V920 | s2q9 | 2.9 Did you use improved seed for this crop in any of your plots in this season? | discrete | numeric | |
| V921 | s2q10 | 2.10 Where did improved seeds sown come from? | discrete | numeric | |
| V922 | s2q10_o | | discrete | character | |
| V923 | s2q11 | 2.11 Type of seeds sown in this plot | discrete | numeric | |
| V924 | s2q12 | 2.12 Is the seed sown in this plot for the current season? | discrete | numeric | |
| V925 | s2q13_1 | 2.13.1 Unit of traditional seeds | discrete | numeric | |
| V926 | s2q13_2 | 2.13.2 Quantity Sown | contin | numeric | |
| V927 | s2q14 | 2.14 Quantity of traditional seeds purchased and sown in the plot | contin | numeric | |
| V928 | s2q15 | 2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf) | contin | numeric | |
| V929 | s2q16_1 | 2.16.1 Unit of improved seeds | discrete | numeric | |
| V930 | s2q16_2 | 2.16.2 Quantity Sown | contin | numeric | |
| V931 | s2q17 | 2.17 Quantity of improved seeds purchased and sown in this plot | contin | numeric | |
| V932 | s2q18 | 2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf) | contin | numeric | |
| V933 | s2q19_1 | 2.19 Unit of measurement | discrete | numeric | |
| V934 | s2q19_3 | 2.19 Quantity already harvested (in Kg) | contin | numeric | |
| V935 | s2q20_2 | 2.20 Remaining quantity to be harvested(in Kg) | contin | numeric | |
| V936 | s2q21 | 2.21 Total quantity of harvest for this season (in Kg) | contin | numeric | |
| V937 | s2q22_status | 2.22 How can you compare the harvest in this season with last year? | discrete | numeric | |
| V938 | s2q22_1 | 2.22 Explanation on crop production status | discrete | numeric | |
| V939 | s2q22_2 | 2.22 Explanation on crop production status | discrete | numeric | |
| V940 | s2q22_3 | 2.22 Explanation on crop production status | discrete | numeric | |
| V941 | s2q22_3_o | 2.22 Explanation on crop production status | discrete | character | |
| V942 | s2q22_disease | 2.22 Explanation on crop production status-specify disease/pest | discrete | character | |
| V943 | s2q23 | 2.23 Total qty of produced/to be harvested on this crop in this season (kg) | contin | numeric | |
| V944 | s2q24 | 2.24 Total qty of harvest transformed/to be transformed by the farmer (kg) | contin | numeric | |
| V945 | s2q25 | 2.25 Total qty of harvest that has been sold/to be sold(kg) | contin | numeric | |
| V946 | s2q26 | 2.26 On which market this crop was sold? | discrete | numeric | |
| V947 | s2q26_0 | 2.26 On which market this crop was sold? | discrete | character | |
| V948 | s2q27 | 2.27 What was the selling price per kilogram? (Rwf/Kg) | contin | numeric | |
| V949 | s2q28 | 2.28 Total qty of harvest that has been/will be used/for own consumption(kg) | contin | numeric | |
| V950 | s2q29 | 2.29 Total qty of harvest that has been/will be used as wage for hired labor(kg) | contin | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V951 | s2q30 | 2.30 Total qty of harvest that has been/will be used as farm rent(kg) | contin | numeric | |
| V952 | s2q31 | 2.31 Total qty of harvest that has been/will be given to others as gift(kg) | contin | numeric | |
| V953 | s2q32 | 2.32 Total qty of harvest that has been/will be exchanged for other products(kg) | contin | numeric | |
| V954 | s2q33 | 2.33 Total qty of harvest that has been/will be used as seeds(kg) | contin | numeric | |
| V955 | s2q34 | 2.34 Total qty of harvest that has been/will be used as fodder(kg) | contin | numeric | |
| V956 | s2q35 | 2.35 Total qty of harvest that has been/will be kept as stock(kg) | contin | numeric | |
| V957 | s2q36 | 2.36 What is the storage facility used during this agricultural season? | discrete | numeric | |
| V958 | s2q36_o | 2.36 What is the storage facility used during this agricultural season? | discrete | character | |
| V959 | s2q37 | 2.37 Quantity of production stored in public storage (kg) | contin | numeric | |
| V960 | s2q38 | 2.38 Total qty of harvest that has been damaged/or the estimated loss in kg | contin | numeric | |
| V961 | s2q39 | 2.39 Total qty of harvest that has been/will be used in other ways(kg) | contin | numeric | |
| V962 | s2q40 | 2.40 Pre_harvest loss: What was the total quantity stolen ?(kg) | contin | numeric | |
| V963 | s2q41 | 2.41 Pre-harvest loss: Total qty damaged by insects/pests (kg) | contin | numeric | |
| V964 | s2q42 | 2.42 Pre-harvest loss: Total qty damaged by birds/animals (kg) | contin | numeric | |
| V965 | s2q43 | 2.43 Pre-harvest loss: Total qty of stalks fallen to the ground?(kg) | contin | numeric | |
| V966 | s2q44 | 2.44 Pre-harvest loss: Total qty lost during harvesting?(kg) | contin | numeric | |
| V967 | s2q45 | 2.45 Post-harvest loss: Total qty lost in the transportation of harvest?(kg) | contin | numeric | |
| V968 | s2q46 | 2.46 Post-harvest loss: Total qty lost in storage (kg) | contin | numeric | |
| V969 | s2q47 | 2.47 Post-harvest loss: Total qty lost during processing (kg) | contin | numeric | |
| V970 | s2q48 | 2.48 Post-harvest loss: Total qty lost during packaging(kg) | contin | numeric | |
| V971 | s2q49 | 2.49 Post-harvest loss: Total qty lost at sales (kg) | contin | numeric | |
| V972 | Harv_area | 2.2.ii Harvested crop area | contin | numeric | |
| V973 | sold_ratio | | contin | numeric | |
| V974 | consum_ratio | | contin | numeric | |
| V975 | wage_ratio | | contin | numeric | |
| V976 | rent_ratio | | contin | numeric | |
| V977 | gift_ratio | | contin | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V978 | exchanged_ratio | | discrete | numeric | |
| V979 | seed_ratio | | contin | numeric | |
| V980 | feed_ratio | | contin | numeric | |
| V981 | stock_ratio | | contin | numeric | |
| V982 | lost_ratio | | contin | numeric | |
| V983 | other_ratio | | contin | numeric | |
| V984 | yield | individual crop yiedl at plot level | contin | numeric | |
| V985 | post_harvest | | contin | numeric | |
| V986 | production_harvestinglos | | contin | numeric | |
| V987 | harvesting_ratio | | contin | numeric | |
| V988 | transport_ratio | | contin | numeric | |
| V989 | storage_ratio | | discrete | numeric | |
| V990 | processing_ratio | | contin | numeric | |
| V991 | packaging_ratio | | contin | numeric | |
| V992 | sales_ratio | | contin | numeric | |
| V993 | aweight | | contin | numeric | |
| V994 | CropCategory | 2.4 Crop name | discrete | numeric | |
| V995 | plot_weight | plot_weight | contin | numeric | |

## rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

| | |
|---|---|
| Content | |
| Cases | 21432 |
| Variable(s) | 45 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V996 | Segment_ID | IDQUEST | contin | numeric | |
| V997 | s2q1 | 2.1 Plot No | contin | numeric | |
| V998 | s1q1 | 1.1 Province | discrete | numeric | |
| V999 | s1q2 | 1.2 District name & code | discrete | numeric | |
| V1000 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V1001 | s1q4 | 1.4 Segment | contin | numeric | |
| V1002 | s1q6 | 1.6 Farmer ID/LSF ID | contin | numeric | |
| V1003 | s1q7 | 1.7 Farmer/LSF type | discrete | numeric | |
| V1004 | s1q8 | 1.8 Gender | discrete | numeric | |
| V1005 | s1q9 | 1.9 Age | contin | numeric | |
| V1006 | s1q17_o | 1.17 Other Relationship of respondent to the farmer | discrete | character | |
| V1007 | s2q2 | 2.2 Plot area(sqm) | contin | numeric | |
| V1008 | s3q1 | 3.1 Did you use organic fertilizer in any of your plots during this season? | discrete | numeric | |
| V1009 | s3q2_1 | source of organic fertlizer1 | discrete | numeric | |
| V1010 | s3q2_0 | 3.2 Where did organic fertilizer used came from? | discrete | character | |
| V1011 | s3q2_2 | source of organic fertlizer2 | discrete | numeric | |
| V1012 | s3q2_3 | source of organic fertlizer3 | discrete | numeric | |
| V1013 | s3q3 | 3.3 Have you used organic fertilizer in this plot during this season? | discrete | numeric | |
| V1014 | s3q4 | 3.4 Total cost of organic fertilizer purchased (Frw) | contin | numeric | |
| V1015 | s3q5 | 3.5 Was the quantity of organic fertilizer used sufficient for you compared to t | discrete | numeric | |
| V1016 | s3q6_1 | main reasons1 | discrete | numeric | |
| V1017 | s3q6_2 | main reasons2 | discrete | numeric | |
| V1018 | s3q6_0 | 3.6 If the organic fertilizer used was not sufficient, what is the main reason o | discrete | character | |
| V1019 | s3q7 | 3.7 Did you use inorganic fertilizer in any of your plots during this season? | discrete | numeric | |
| V1020 | s3q8 | 3.8 What is the main source of fertilizer used? | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1021 | s3q8_o | 3.8 What is the main source of fertilizer used? | discrete | character | |
| V1022 | s3q9 | 3.9 Have you used inorganic fertilizer in this plot during this season? | discrete | numeric | |
| V1023 | s3q10 | 3.10 Type of inorganic fertilizer used | discrete | numeric | |
| V1024 | s3q10_o | 3.10 other type of inorganic fertilizer used | discrete | character | |
| V1025 | s3q11 | 3.11 Measurement unit | discrete | numeric | |
| V1026 | s3q12 | 3.12 Total quantity used in this plot | contin | numeric | |
| V1027 | s3q13 | 3.13 Quantity purchased and used in this plot | contin | numeric | |
| V1028 | s3q14 | 3.14 Unit price (Rwf) | contin | numeric | |
| V1029 | s3q15 | 3.15 Main crops to be fertilized | discrete | numeric | |
| V1030 | s3q16 | 3.16 Did you use any type of micro-nutrients in any of your plots in this season | discrete | numeric | |
| V1031 | s3q17 | 3.17 Did you use any type of micro-nutrients in this plot during this season? | discrete | numeric | |
| V1032 | s3q18 | 3.18 Did you use pesticide/Fungicide in any of your plots during this season? | discrete | numeric | |
| V1033 | s3q19 | 3.19 Have you used pesticide/Fungicide in this plot during this current season? | discrete | numeric | |
| V1034 | s3q20 | 3.20 Type of pesticide/fungicide used | discrete | numeric | |
| V1035 | s3q20_o | 3.20 Other type of pesticide/fungicide used | discrete | character | |
| V1036 | s3q21 | 3.21 Measurement unit | discrete | numeric | |
| V1037 | s3q22 | 3.22 Total quantity used | contin | numeric | |
| V1038 | s3q23 | 3.23 Quantity purchased and used in the plot | contin | numeric | |
| V1039 | s3q24 | 3.24 Total amount spent on quantity purchased (Frw) | contin | numeric | |
| V1040 | plot_weight | plot_weight | contin | numeric | |

# rwa-sas-SeasonB_PartIV_Agricultural practice

| | |
|---|---|
| Content | |
| Cases | 16883 |
| Variable(s) | 59 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1041 | Segment_ID | IDQUEST | contin | numeric | |
| V1042 | s1q1 | 1.1 Province | discrete | numeric | |
| V1043 | s1q2 | 1.2 District name & code | discrete | numeric | |
| V1044 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V1045 | s1q4 | 1.4 Segment | contin | numeric | |
| V1046 | s1q6 | 1.6 Farmer ID/LSF ID | contin | numeric | |
| V1047 | s1q7 | 1.7 Farmer/LSF type | discrete | numeric | |
| V1048 | s1q8 | 1.8 Gender | discrete | numeric | |
| V1049 | s1q9 | 1.9 Age | contin | numeric | |
| V1050 | s2q1 | 2.1 Plot No | contin | numeric | |
| V1051 | s2q2 | 2.2 Plot area(sqm) | contin | numeric | |
| V1052 | s4q1 | 4.1 What is the degree of erosion on this plot? | discrete | numeric | |
| V1053 | s4q2 | 4.2 Is there any anti-erosion activity in any of your plots? | discrete | numeric | |
| V1054 | s4q3 | 4.3 Is there any anti-erosion activity on this plot? | discrete | numeric | |
| V1055 | s4q4 | 4.4 Were these anti-erosion activities done during the current agricultural seas | discrete | numeric | |
| V1056 | s4q5 | 4.5 What is the total cost of anti-erosion activities done during this season (F | contin | numeric | |
| V1057 | s4q6 | 4.6 Is this plot located in land consolidated site in this season? | discrete | numeric | |
| V1058 | s4q7_1 | 4.7 What do you gain as support from land consolidation program?(Benefit1) | discrete | numeric | |
| V1059 | s4q7_2 | 4.7 What do you gain as support from land consolidation program?(Benefit2) | discrete | numeric | |
| V1060 | s4q7_3 | 4.7 What do you gain as support from land consolidation program?(Benefit3) | discrete | numeric | |
| V1061 | s4q7_4 | 4.7 What do you gain as support from land consolidation program?(Benefit4) | discrete | numeric | |
| V1062 | s4q7_o | 4.7 What do you gain as support from land consolidation program? | discrete | character | |
| V1063 | s4q8 | 4.8 Did you use any mechanical equipment for agriculture activities in any of yo | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1064 | s4q9 | 4.9 Did you use any mechanical equipment for agriculture activities on this plot | discrete | numeric | |
| V1065 | s4q10_1 | 4.10.1 Have you used ploughing animals (oxen) in this plot during this season? | discrete | numeric | |
| V1066 | s4q10_2_1 | 4.10.2 At which stage of agriculture practice have you used animal ploughing?(St | discrete | numeric | |
| V1067 | s4q10_2_2 | 4.10.2 At which stage of agriculture practice have you used animal ploughing?(St | discrete | numeric | |
| V1068 | s4q10_2_3 | 4.10.2 At which stage of agriculture practice have you used animal ploughing?(St | discrete | numeric | |
| V1069 | s4q10_2_o | 4.10.2 At which stage of agriculture practice have you used animal ploughing? | discrete | character | |
| V1070 | s4q10_3 | 4.10.3 Amount paid on ploughing animals during this season (Rwf) | discrete | numeric | |
| V1071 | s4q11_1 | 4.11.1 Have you used a ploughing tractor in this plot during this season? | discrete | numeric | |
| V1072 | s4q11_2_1 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V1073 | s4q11_2_2 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V1074 | s4q11_2_3 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V1075 | s4q11_2_4 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V1076 | s4q11_2_5 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V1077 | s4q11_2_o | 4.11.2 At which stage of agriculture practice have you used ploughing tractor? | discrete | character | |
| V1078 | s4q11_3 | 4.11.3 Amount paid on ploughing tractor (Rwf) in this season? | contin | numeric | |
| V1079 | s4q12_1 | 4.12.1 Have you used any other mechanical equipment not mentioned in this plot d | discrete | numeric | |
| V1080 | s4q12_2_1 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V1081 | s4q12_2_2 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V1082 | s4q12_2_o | 4.12.2 At which stage of agriculture practices have you used other mechanical eq | discrete | character | |
| V1083 | s4q12_3 | 4.12.3 Name of other mechanical equipment used during this season | discrete | character | |
| V1084 | s4q12_4 | 4.12.4 Amount paid for the other mechanical equipment in this season? (Rwf) | contin | numeric | |
| V1085 | s4q13 | 4.13 Amount spent on hired labor used to prepare land, sowing and any other agri | contin | numeric | |
| V1086 | s4q14 | 4.14 Did you practice irrigation in any of your plots during this agricultural s | discrete | numeric | |
| V1087 | s4q15 | 4.15 Has this plot been irrigated during this agricultural season? | discrete | numeric | |
| V1088 | s4q16 | 4.16 What is irrigation technique used on this plot? | discrete | numeric | |
| V1089 | s4q17_1 | 4.17 What is the source of water for irrigation?(source1) | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1090 | s4q17_2 | 4.17 What is the source of water for irrigation?(source2) | discrete | numeric | |
| V1091 | s4q17_3 | 4.17 What is the source of water for irrigation?(source3) | discrete | numeric | |
| V1092 | s4q17_o | 4.17 What is the source of water for irrigation? | discrete | character | |
| V1093 | s4q18_1 | 4.18 What is the irrigation tool have you used?(tool1) | discrete | numeric | |
| V1094 | s4q18_2 | 4.18 What is the irrigation tool have you used?(tool2) | discrete | numeric | |
| V1095 | s4q18_3 | 4.18 What is the irrigation tool have you used?(tool3) | discrete | numeric | |
| V1096 | s4q18_4 | 4.18 What is the irrigation tool have you used?(tool4) | discrete | numeric | |
| V1097 | s4q18_o | 4.18 What is the irrigation tool have you used? | discrete | character | |
| V1098 | s4q19 | 4.19 What is the cost spent for irrigation activities? (Rwf) | contin | numeric | |
| V1099 | plot_weight | plot_weight | contin | numeric | |

## rwa-sas-seasonB_Screening_Agroforestry

| | |
|---|---|
| Content | |
| Cases | 33192 |
| Variable(s) | 15 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1100 | Segment_ID | Segment_ID | contin | numeric | |
| V1101 | s1q1 | 1.1 Province | discrete | numeric | |
| V1102 | s1q2 | 1.2 District | discrete | numeric | |
| V1103 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V1104 | s1q4 | 1.4 Segment number | contin | numeric | |
| V1105 | s2q1 | 2.1 Plot number | contin | numeric | |
| V1106 | s2q4 | 2.4 Plot size (m2) | contin | numeric | |
| V1107 | s2q5_2 | 2.5.2 Farmer ID | contin | numeric | |
| V1108 | s2q6 | 2.6 Plot land use | discrete | numeric | |
| V1109 | s2q7 | 2.7 Nonagricultural Land Type | discrete | numeric | |
| V1110 | s2q7_Other | 2.7 Other Nonagricultural Land Type | discrete | character | |
| V1111 | s2q10 | 2.10 Is there any agroforestry practices on this plot? | discrete | numeric | |
| V1112 | s2q11 | 2.11 Types of agroforestry trees planted in this plot? | discrete | numeric | |
| V1113 | s2q11_o | 2.11 Other types of agroforestry trees existing in this plot | discrete | character | |
| V1114 | plot_weight | plot_weight | contin | numeric | |

# rwa-sas-seasonB_Screening_Antierosion_land consolidation

| | |
|---|---|
| Content | |
| Cases | 34483 |
| Variable(s) | 16 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1115 | Segment_ID | Segment_ID | contin | numeric | |
| V1116 | s1q1 | 1.1 Province | discrete | numeric | |
| V1117 | s1q2 | 1.2 District | discrete | numeric | |
| V1118 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V1119 | s1q4 | 1.4 Segment number | contin | numeric | |
| V1120 | s2q1 | 2.1 Plot number | contin | numeric | |
| V1121 | s2q4 | 2.4 Plot size (m2) | contin | numeric | |
| V1122 | s2q5_2 | 2.5.2 Farmer ID | contin | numeric | |
| V1123 | s2q6 | 2.6 Plot land use | discrete | numeric | |
| V1124 | s2q7 | 2.7 Nonagricultural Land Type | discrete | numeric | |
| V1125 | s2q7_Other | 2.7 Other Nonagricultural Land Type | discrete | character | |
| V1126 | s2q8 | 2.8 Is there any antierosion activity on this plot? | discrete | numeric | |
| V1127 | s2q9_o | 2.8 Other types of antierosion activities existing on plot | discrete | character | |
| V1128 | s2q9 | 2.9 Types of anti erosion activities | discrete | numeric | |
| V1129 | s2q16 | 2.16 Is this plot located in land consolidation site in this season? | discrete | numeric | |
| V1130 | plot_weight | plot_weight | contin | numeric | |

## rwa-sas-seasonB-Screening_crops

| | |
|---|---|
| Content | |
| Cases | 47308 |
| Variable(s) | 30 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

# Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1131 | Segment_ID | Segment_ID | contin | numeric | |
| V1132 | s1q1 | 1.1 Province | discrete | numeric | |
| V1133 | s1q2 | 1.2 District | discrete | numeric | |
| V1134 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V1135 | s1q4 | 1.4 Segment number | contin | numeric | |
| V1136 | s1q7 | 1.7 Number of grids sampled in the segment | discrete | numeric | |
| V1137 | s2q1 | 2.1 Plot number | contin | numeric | |
| V1138 | s2q2 | 2.2 Number of grid points that fall in this plot | contin | numeric | |
| V1139 | s2q3 | 2.3 Grids fallling in the plot | discrete | character | |
| V1140 | s2q4 | 2.4 Plot size (m2) | contin | numeric | |
| V1141 | s2q4_ha | Plot size(ha) | contin | numeric | |
| V1142 | s2q5_2 | 2.5.2 Farmer ID | contin | numeric | |
| V1143 | s2q6 | 2.6 Plot land use | discrete | numeric | |
| V1144 | s2q7 | 2.7 Nonagricultural Land Type | discrete | numeric | |
| V1145 | s2q7_Other | 2.7 Other Nonagricultural Land Type | discrete | character | |
| V1146 | s2q17 | 2.17 Cropping system | discrete | numeric | |
| V1147 | s2q18 | 2.18 Number of main crops in the plot | discrete | numeric | |
| V1148 | s3q1 | 3.1 Crop name | discrete | numeric | |
| V1149 | s3q1_o | 3.1 Other Crop name | discrete | character | |
| V1150 | s3q2_1 | 3.2.1 Crop proportion (in %) | contin | numeric | |
| V1151 | s3q2_2 | 3.2.2 Crop proportion code | discrete | numeric | |
| V1152 | s3q3_1 | 3.3.1 Crop density (in %) | contin | numeric | |
| V1153 | s3q3_2 | 3.3.2 Crop Density code | discrete | numeric | |
| V1154 | s3q4 | Number of banana plants | contin | numeric | |
| V1155 | s3q5 | 3.5 Is this crop for this season? | discrete | numeric | |
| V1156 | s3q6 | 3.6 Will this crop be harvested in this season? | discrete | numeric | |
| V1157 | s3q7 | 3.7 What is the expected period for harvesting this crop | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1158 | plot_weight | plot_weight | contin | numeric | |
| V1159 | CropCategory | | discrete | numeric | |
| V1160 | Crop_Area | | contin | numeric | |

## rwa-sas-seasonC_Crop production

| | |
|---|---|
| Content | |
| Cases | 5818 |
| Variable(s) | 101 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1161 | Segment_ID | IDQUEST | contin | numeric | |
| V1162 | s1q1 | 1.1 Province | discrete | numeric | |
| V1163 | s1q2 | 1.2 District name & code | discrete | numeric | |
| V1164 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V1165 | s1q4 | 1.4 Segment | contin | numeric | |
| V1166 | s1q6 | 1.6 Farmer ID/LSF ID | contin | numeric | |
| V1167 | s1q7 | 1.7 Farmer/LSF type | discrete | numeric | |
| V1168 | s1q8 | 1.8 Gender | discrete | numeric | |
| V1169 | s1q9 | 1.9 Age | contin | numeric | |
| V1170 | s1q14 | 1.14 Did the farmer respond him/herself? | discrete | numeric | |
| V1171 | s1q17 | 1.17 Relationship of respondent to the farmer | discrete | numeric | |
| V1172 | s1q17_o | 1.17 Other Relationship of respondent to the farmer | discrete | character | |
| V1173 | s2q1 | 2.1 Plot No | contin | numeric | |
| V1174 | s2q2 | 2.2 Plot area(sqm) | contin | numeric | |
| V1175 | s2q3 | 2.3 Number of main crops to be harvested during this season in the plot. | discrete | numeric | |
| V1176 | s2q4 | 2.4 Crop name | discrete | numeric | |
| V1177 | s2q4_o | 2.4 Crop name | discrete | character | |
| V1178 | s2q5 | 2.5 Number of plants in this plot for perennial crops | discrete | numeric | |
| V1179 | s2q6 | 2.6 Number of plants to be harvested in this season for perennial crops | discrete | numeric | |
| V1180 | s3q2_1 | 3.2.1 Crop proportion (in %) | contin | numeric | |
| V1181 | s3q2_2 | 3.2.2 Crop proportion code | discrete | numeric | |
| V1182 | s3q3_1 | 3.3.1 Crop density (in %) | contin | numeric | |
| V1183 | s3q3_2 | 3.3.2 Crop Density code | discrete | numeric | |
| V1184 | s2q7 | 2.7 Sowing date | discrete | numeric | |
| V1185 | s2q8 | 2.8 Expected period for crop harvesting | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1186 | s2q9 | 2.9 Did you use improved seed for this crop in any of your plots in this season? | discrete | numeric | |
| V1187 | s2q10 | 2.10 Where did improved seeds sown come from? | discrete | numeric | |
| V1188 | s2q10_o | 2.10 Where did improved seeds sown come from? | discrete | character | |
| V1189 | s2q11 | 2.11 Type of seeds sown in this plot | discrete | numeric | |
| V1190 | s2q12 | 2.12 Is the seed sown in this plot for the current season? | discrete | numeric | |
| V1191 | s2q13_1 | 2.13.1 Unit of traditional seeds | discrete | numeric | |
| V1192 | s2q13_2 | 2.13.2 Quantity Sown | contin | numeric | |
| V1193 | s2q14 | 2.14 Quantity of traditional seeds purchased and sown in the plot | contin | numeric | |
| V1194 | s2q15 | 2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf) | contin | numeric | |
| V1195 | s2q16_1 | 2.16.1 Unit of improved seeds | discrete | numeric | |
| V1196 | s2q16_2 | 2.16.2 Quantity Sown | contin | numeric | |
| V1197 | s2q17 | 2.17 Quantity of improved seeds purchased and sown in this plot | contin | numeric | |
| V1198 | s2q18 | 2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf) | contin | numeric | |
| V1199 | s2q19_1 | 2.19 Unit of measurement | discrete | numeric | |
| V1200 | s2q19_3 | 2.19 Quantity already harvested (in Kg) | contin | numeric | |
| V1201 | s2q20_2 | 2.20 Remaining quantity to be harvested(in Kg) | contin | numeric | |
| V1202 | s2q21 | 2.21 Total quantity of harvest for this season (in Kg) | contin | numeric | |
| V1203 | s2q22_status | 2.22 How do you compare the production of this crop in this season and its produ | discrete | numeric | |
| V1204 | s2q22_1 | | discrete | numeric | |
| V1205 | s2q22_2 | | discrete | numeric | |
| V1206 | s2q22_3 | | discrete | numeric | |
| V1207 | s2q22_3_o | 2.22 Explanation on crop production status | discrete | character | |
| V1208 | s2q22_disease | 2.22_2 Specify disease or pest | discrete | character | |
| V1209 | s2q23 | 2.23. What was the quantity produced? (Kg) | contin | numeric | |
| V1210 | s2q24 | 2.24. What was the quantity processed at farm level? | contin | numeric | |
| V1211 | s2q25 | 2.25. What was the quantity sold? | contin | numeric | |
| V1212 | s2q26 | 2.26 On which market this crop was sold? | discrete | numeric | |
| V1213 | s2q26_o | 2.26 On which market this crop was sold? | discrete | character | |
| V1214 | s2q27 | 2.27 What was the selling price per kilogram? (Rwf/Kg) | contin | numeric | |
| V1215 | s2q28 | 2.28. What was the quantity used for own consumption? | contin | numeric | |
| V1216 | s2q29 | 2.29. What was the quantity used as wages? | contin | numeric | |
| V1217 | s2q30 | 2.30. What was the quantity used as farm rent? | contin | numeric | |
| V1218 | s2q31 | 2.31. What was the quantity used as gift? | contin | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1219 | s2q32 | 2.32. What was the quantity exchanged for other goods? | contin | numeric | |
| V1220 | s2q33 | 2.33. What was the quantity used as seeds? | contin | numeric | |
| V1221 | s2q34 | 2.34. What was the quantity used to feed animals? | contin | numeric | |
| V1222 | s2q35 | 2.35. What was the quantity stored? | contin | numeric | |
| V1223 | s2q36 | 2.36 What is the storage facility used during this agricultural season? | discrete | numeric | |
| V1224 | s2q36_o | 2.36 What is the storage facility used during this agricultural season? | discrete | character | |
| V1225 | s2q37 | 2.37 Quantity of production stored in public storage (kg) | discrete | numeric | |
| V1226 | s2q38 | 2.38 On the total production of this crop what is the quantity that has been los | contin | numeric | |
| V1227 | s2q39 | 2.39. What was the quantity used in other forms? | contin | numeric | |
| V1228 | s2q40 | 2.40 What was the total quantity stolen ?(kg) | contin | numeric | |
| V1229 | s2q41 | 2.41 What was the total quantity damaged by insects or pests?(kg) | contin | numeric | |
| V1230 | s2q42 | 2.42 What was the total quantity lost due to birds or other animals?(kg) | contin | numeric | |
| V1231 | s2q43 | 2.43 What was the total quantity of Stalks fallen to the ground?(kg) | contin | numeric | |
| V1232 | s2q44 | 2.44 What was the total quantity lost during harvesting?(kg) | contin | numeric | |
| V1233 | s2q45 | 2.45 What was the total quantity lost in transport of produce?(kg) | contin | numeric | |
| V1234 | s2q46 | 2.46 What was the total quantity lost at storage?(kg) | discrete | numeric | |
| V1235 | s2q47 | 2.47 What was the total quantity lost during processing ?(kg) | discrete | numeric | |
| V1236 | s2q48 | 2.48 What was the total quantity lost during packaging ?(kg) | contin | numeric | |
| V1237 | s2q49 | 2.49 What was the total quantity lost at sales?(kg) | contin | numeric | |
| V1238 | Harvested_Area | Harvested crop area in ha | contin | numeric | |
| V1239 | yield | individual crop yield at plot level | contin | numeric | |
| V1240 | sold_ratio | | contin | numeric | |
| V1241 | consum_ratio | | contin | numeric | |
| V1242 | wage_ratio | | contin | numeric | |
| V1243 | rent_ratio | | contin | numeric | |
| V1244 | gift_ratio | | contin | numeric | |
| V1245 | exchanged_ratio | | contin | numeric | |
| V1246 | seed_ratio | | contin | numeric | |
| V1247 | feed_ratio | | contin | numeric | |
| V1248 | stock_ratio | | contin | numeric | |
| V1249 | lost_ratio | | contin | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1250 | other_ratio | | contin | numeric | |
| V1251 | post_harvest | | contin | numeric | |
| V1252 | production_harvestinglos | | contin | numeric | |
| V1253 | harvesting_ratio | | contin | numeric | |
| V1254 | transport_ratio | | contin | numeric | |
| V1255 | storage_ratio | | discrete | numeric | |
| V1256 | processing_ratio | | contin | numeric | |
| V1257 | packaging_ratio | | contin | numeric | |
| V1258 | sales_ratio | | contin | numeric | |
| V1259 | weight_plot | Final weight | contin | numeric | |
| V1260 | aweight | | contin | numeric | |
| V1261 | CropCategory | 2.4 Crop name | discrete | numeric | |

# rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

| | |
|---|---|
| Content | |
| Cases | 11242 |
| Variable(s) | 41 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1262 | s1q0 | IDQUEST | contin | numeric | |
| V1263 | s2q1 | 2.1 Plot No | contin | numeric | |
| V1264 | s1q1 | 1.1 Province | discrete | numeric | |
| V1265 | s1q2 | 1.2 District name & code | discrete | numeric | |
| V1266 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V1267 | s1q4 | 1.4 Segment | contin | numeric | |
| V1268 | s1q6 | 1.6 Farmer ID/LSF ID | contin | numeric | |
| V1269 | s2q4_ha | 2.4 plot size in hectares | contin | numeric | |
| V1270 | s3q1 | 3.1 Did you use organic fertilizer in any of your plots during this season? | discrete | numeric | |
| V1271 | s3q2_1 | 3.2 Where did organic fertilizer used came from?(Source1) | discrete | numeric | |
| V1272 | s3q2_2 | 3.2 Where did organic fertilizer used came from?(Source2) | discrete | numeric | |
| V1273 | s3q2_o | 3.2 Where did organic fertilizer used came from? | discrete | character | |
| V1274 | s3q2_3 | 3.2 Where did organic fertilizer used came from?(Source3) | discrete | numeric | |
| V1275 | s3q3 | 3.3 Have you used organic fertilizer in this plot during this season? | discrete | numeric | |
| V1276 | s3q4 | 3.4 Total cost of organic fertilizer purchased (Frw) | contin | numeric | |
| V1277 | s3q5 | 3.5 Was the quantity of organic fertilizer used sufficient for you compared to t | discrete | numeric | |
| V1278 | s3q6_1 | 3.6 If the organic fertilizer used was not sufficient, what is the main reason?( | discrete | numeric | |
| V1279 | s3q6_2 | 3.6 If the organic fertilizer used was not sufficient, what is the main reason?( | discrete | numeric | |
| V1280 | s3q6_o | 3.6 If the organic fertilizer used was not sufficient, what is the main reason o | discrete | character | |
| V1281 | s3q7 | 3.7 Did you use inorganic fertilizer in any of your plots during this season? | discrete | numeric | |
| V1282 | s3q8 | 3.8 What is the main source of fertilizer used? | discrete | numeric | |
| V1283 | s3q8_o | 3.8 What is the main source of fertilizer used? | discrete | character | |
| V1284 | s3q9 | 3.9 Have you used inorganic fertilizer in this plot during this season? | discrete | numeric | |
| V1285 | s3q10 | | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1286 | s3q10_o | 3.10 Type of inorganic fertilizer used | discrete | character | |
| V1287 | s3q11 | | discrete | numeric | |
| V1288 | s3q12 | | contin | numeric | |
| V1289 | s3q13 | | contin | numeric | |
| V1290 | s3q14 | | contin | numeric | |
| V1291 | s3q15 | | discrete | numeric | |
| V1292 | s3q16 | 3.16 Did you use any type of micro-nutrients in any of your plots in this season | discrete | numeric | |
| V1293 | s3q17 | 3.17 Did you use any type of micro-nutrients in this plot during this season? | discrete | numeric | |
| V1294 | s3q18 | 3.18 Did you use pesticide/Fungicide in any of your plots during this season? | discrete | numeric | |
| V1295 | s3q19 | 3.19 Have you used pesticide/Fungicide in this plot during this current season? | discrete | numeric | |
| V1296 | s3q20 | | discrete | numeric | |
| V1297 | s3q20_o | 3.20 Type of pesticide/fungicide used | discrete | character | |
| V1298 | s3q21 | | discrete | numeric | |
| V1299 | s3q22 | | contin | numeric | |
| V1300 | s3q23 | | contin | numeric | |
| V1301 | s3q24 | | contin | numeric | |
| V1302 | weight_plot | Final weight | contin | numeric | |

# rwa-sas-SeasonC_PartIV_Agricultural practice

| | |
|---|---|
| Content | |
| Cases | 4926 |
| Variable(s) | 53 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1303 | s1q0 | IDQUEST | contin | numeric | |
| V1304 | s2q1 | 2.1 Plot No | contin | numeric | |
| V1305 | s1q1 | 1.1 Province | discrete | numeric | |
| V1306 | s1q2 | 1.2 District name & code | discrete | numeric | |
| V1307 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V1308 | s1q4 | 1.4 Segment | contin | numeric | |
| V1309 | s1q6 | 1.6 Farmer ID/LSF ID | contin | numeric | |
| V1310 | s1q7 | 1.7 Farmer/LSF type | discrete | numeric | |
| V1311 | s1q8 | 1.8 Gender | discrete | numeric | |
| V1312 | s1q9 | 1.9 Age | contin | numeric | |
| V1313 | s2q2 | 2.2 Plot area(sqm) | contin | numeric | |
| V1314 | s4q1 | 4.1 What is the degree of erosion on this plot? | discrete | numeric | |
| V1315 | s4q2 | 4.2 Is there any anti-erosion activity in any of your plots? | discrete | numeric | |
| V1316 | s4q3 | 4.3 Is there any anti-erosion activity on this plot? | discrete | numeric | |
| V1317 | s4q4 | 4.4 Were these anti-erosion activities done during the current agricultural seas | discrete | numeric | |
| V1318 | s4q5 | 4.5 What is the total cost of anti-erosion activities done during this season (F | contin | numeric | |
| V1319 | s4q6 | 4.6 Is this plot located in land consolidated site in this season? | discrete | numeric | |
| V1320 | s4q7_1 | 4.7 What do you gain as support from land consolidation program?(Benefit1) | discrete | numeric | |
| V1321 | s4q7_2 | 4.7 What do you gain as support from land consolidation program?(Benefit2) | discrete | numeric | |
| V1322 | s4q7_3 | 4.7 What do you gain as support from land consolidation program?(Benefit3) | discrete | numeric | |
| V1323 | s4q7_4 | 4.7 What do you gain as support from land consolidation program?(Benefit4) | discrete | numeric | |
| V1324 | s4q7_o | 4.7 What do you gain as support from land consolidation program? | discrete | character | |
| V1325 | s4q8 | 4.8 Did you use any mechanical equipment for agriculture activities in any of yo | discrete | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1326 | s4q9 | 4.9 Did you use any mechanical equipment for agriculture activities on this plot | discrete | numeric | |
| V1327 | s4q10_1 | 4.10.1 Have you used ploughing animals (oxen) in this plot during this season? | discrete | numeric | |
| V1328 | s4q10_2 | 4.10.2 At which stage of agriculture practice have you used animal ploughing? | discrete | character | |
| V1329 | s4q10_2_o | 4.10.2 At which stage of agriculture practice have you used animal ploughing? | discrete | character | |
| V1330 | s4q10_3 | 4.10.3 Amount paid on ploughing animals during this season (Rwf) | discrete | numeric | |
| V1331 | s4q11_1 | 4.11.1 Have you used a ploughing tractor in this plot during this season? | discrete | numeric | |
| V1332 | s4q11_2_1 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V1333 | s4q11_2_2 | 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s | discrete | numeric | |
| V1334 | s4q11_2_o | 4.11.2 At which stage of agriculture practice have you used ploughing tractor? | discrete | character | |
| V1335 | s4q11_3 | 4.11.3 Amount paid on ploughing tractor (Rwf) in this season? | contin | numeric | |
| V1336 | s4q12_1 | 4.12.1 Have you used any other mechanical equipment not mentioned in this plot d | discrete | numeric | |
| V1337 | s4q12_2 | 4.12.2 At which stage of agriculture practices have you used other mechanical eq | discrete | character | |
| V1338 | s4q12_2_o | 4.12.2 At which stage of agriculture practices have you used other mechanical eq | discrete | character | |
| V1339 | s4q12_3 | 4.12.3 Name of other mechanical equipment used during this season | discrete | character | |
| V1340 | s4q12_4 | 4.12.4 Amount paid for the other mechanical equipment in this season? (Rwf) | discrete | numeric | |
| V1341 | s4q13 | 4.13 Amount spent on hired labor used to prepare land, sowing and any other agri | contin | numeric | |
| V1342 | s4q14 | 4.14 Did you practice irrigation in any of your plots during this agricultural s | discrete | numeric | |
| V1343 | s4q15 | 4.15 Has this plot been irrigated during this agricultural season? | discrete | numeric | |
| V1344 | s4q16 | 4.16 What is irrigation technique used on this plot? | discrete | numeric | |
| V1345 | s4q17_1 | 4.17 What is the source of water for irrigation?(source1) | discrete | numeric | |
| V1346 | s4q17_2 | 4.17 What is the source of water for irrigation?(source2) | discrete | numeric | |
| V1347 | s4q17_3 | 4.17 What is the source of water for irrigation?(source3) | discrete | numeric | |
| V1348 | s4q17_o | 4.17 What is the source of water for irrigation? | discrete | character | |
| V1349 | s4q18_1 | 4.18 What is the irrigation tool have you used?(tool1) | discrete | numeric | |
| V1350 | s4q18_2 | 4.18 What is the irrigation tool have you used?(tool2) | discrete | numeric | |
| V1351 | s4q18_3 | 4.18 What is the irrigation tool have you used?(tool3) | discrete | numeric | |
| V1352 | s4q18_4 | 4.18 What is the irrigation tool have you used?(tool4) | discrete | numeric | |
| V1353 | s4q18_o | 4.18 What is the irrigation tool have you used? | discrete | character | |
| V1354 | s4q19 | 4.19 What is the cost spent for irrigation activities? (Rwf) | contin | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1355 | weight_plot | Final weight | contin | numeric | |

# rwa-sas-seasonC_Screening_Agroforestry

| | |
|---|---|
| Content | |
| Cases | 4937 |
| Variable(s) | 20 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1356 | s1q0 | Segment_ID | contin | numeric | |
| V1357 | s1q1 | 1.1 Province | discrete | numeric | |
| V1358 | s1q2 | 1.2 District (name and code) | discrete | numeric | |
| V1359 | s1q3 | | discrete | numeric | |
| V1360 | s1q4 | Segment number | contin | numeric | |
| V1361 | s2q1 | 2.1 Plot number | contin | numeric | |
| V1362 | s1q7 | Number of grids sampled | discrete | numeric | |
| V1363 | s2q2 | 2.2 Number of grid points that fall in this plot | discrete | numeric | |
| V1364 | s2q4 | plot_area | contin | numeric | |
| V1365 | s2q5_2 | 2.4.2 Farmer ID | contin | numeric | |
| V1366 | s2q6 | 2.5 Plot land use | discrete | numeric | |
| V1367 | s2q7 | 2.6 Nonagricultural Land Type | discrete | numeric | |
| V1368 | s2q7_Other | 2.6 Other Nonagricultural Land Type | discrete | character | |
| V1369 | s2q10 | 2.10 Is there any agroforestry practices on this plot? | discrete | numeric | |
| V1370 | s2q11_1 | 2.11 Types of agroforestry trees existing in this plot?(type1) | discrete | numeric | |
| V1371 | s2q11_2 | 2.11 Types of agroforestry trees existing in this plot?(type2) | discrete | numeric | |
| V1372 | s2q11_3 | 2.11 Types of agroforestry trees existing in this plot?(type3) | discrete | numeric | |
| V1373 | s2q11_4 | 2.11 Types of agroforestry trees existing in this plot?(type4) | discrete | numeric | |
| V1374 | s2q11_o | 2.10_o Other types of agroforestry trees existing in this plot? | discrete | character | |
| V1375 | weight_plot_final | Final weight | contin | numeric | |

# rwa-sas-seasonC_Screening_Antierosion_land consolidation

| | |
|---|---|
| Content | |
| Cases | 4937 |
| Variable(s) | 18 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

## Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1376 | s1q0 | Segment_ID | contin | numeric | |
| V1377 | s1q1 | 1.1 Province | discrete | numeric | |
| V1378 | s1q2 | 1.2 District (name and code) | discrete | numeric | |
| V1379 | s1q3 | 1.3 Stratum | discrete | numeric | |
| V1380 | s1q4 | Segment number | contin | numeric | |
| V1381 | s2q1 | 2.1 Plot number | contin | numeric | |
| V1382 | s2q2 | 2.2 Number of grid points that fall in this plot | discrete | numeric | |
| V1383 | s2q4 | plot_area | contin | numeric | |
| V1384 | s2q5_2 | 2.4.2 Farmer ID | contin | numeric | |
| V1385 | s2q6 | 2.5 Plot land use | discrete | numeric | |
| V1386 | s2q7 | 2.6 Nonagricultural Land Type | discrete | numeric | |
| V1387 | s2q7_Other | 2.6 Other Nonagricultural Land Type | discrete | character | |
| V1388 | s2q9_1 | 2.9 Types of antierosion activities existing on this plot?(type1) | discrete | numeric | |
| V1389 | s2q9_2 | 2.9 Types of antierosion activities existing on this plot?(type2) | discrete | numeric | |
| V1390 | s2q9_3 | 2.9 Types of antierosion activities existing on this plot?(type3) | discrete | numeric | |
| V1391 | s2q9_o | 2.9_o Other types of antierosion activities existing on this plot | discrete | character | |
| V1392 | s2q12 | 2.12. Is this plot used for land consolidation activity in this season? | discrete | numeric | |
| V1393 | weight_plot_final | Final weight | contin | numeric | |

## rwa-sas-seasonC-Screening_crops

| | |
|---|---|
| Content | |
| Cases | 12067 |
| Variable(s) | 28 |
| Structure | Type:<br>Keys: () |
| Version | |
| Producer | |
| Missing Data | |

# Variables

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1394 | Segment_ID | Segment_ID | contin | numeric | |
| V1395 | s1q1 | 1.1 Province | discrete | numeric | |
| V1396 | s1q2 | 1.2 District (name and code) | discrete | numeric | |
| V1397 | s1q3 | | discrete | numeric | |
| V1398 | s1q4 | Segment number | contin | numeric | |
| V1399 | s1q7 | Number of grids sampled | discrete | numeric | |
| V1400 | s2q1 | 2.1 Plot number | contin | numeric | |
| V1401 | s2q2 | 2.2 Number of grid points that fall in this plot | discrete | numeric | |
| V1402 | s2q3 | Grids | discrete | character | |
| V1403 | s2q4 | plot_area | contin | numeric | |
| V1404 | s2q4_ha | 2.4 plot size in hectares | contin | numeric | |
| V1405 | s2q5_2 | 2.4.2 Farmer ID | contin | numeric | |
| V1406 | s2q6 | 2.5 Plot land use | discrete | numeric | |
| V1407 | s2q7 | 2.6 Nonagricultural Land Type | discrete | numeric | |
| V1408 | s2q7_Other | 2.6 Other Nonagricultural Land Type | discrete | character | |
| V1409 | s2q17 | 2.16 Cropping system | discrete | numeric | |
| V1410 | s2q18 | 2.17 Number of main crops in the plot | discrete | numeric | |
| V1411 | s3q1 | 3.1 Crop name | discrete | numeric | |
| V1412 | s3q1_o | 3.1 Other Crop name | discrete | character | |
| V1413 | s3q2_1 | 3.2.1 Crop proportion (in %) | contin | numeric | |
| V1414 | s3q2_2 | 3.2.2 Crop proportion code | discrete | numeric | |
| V1415 | s3q3_1 | 3.3.1 Crop density (in %) | contin | numeric | |
| V1416 | s3q3_2 | 3.3.2 Crop Density code | discrete | numeric | |
| V1417 | s3q5 | 3.5 Was this crop planted in this season? | discrete | numeric | |
| V1418 | s3q6 | 3.6 Will this crop be harvested in this season? | discrete | numeric | |
| V1419 | s3q7 | 3.7 What is the expect period of harvesting ? | discrete | numeric | |
| V1420 | weight_plot | Final weight | contin | numeric | |

| ID | Name | Label | Type | Format | Question |
|---|---|---|---|---|---|
| V1421 | Crop_Area | | contin | numeric | |

# 1.0 Segment identification (Segment_ID)
# File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 12001-574051

Valid cases: 41589
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 367956.9
Standard deviation: 145396.6

# 1.1 Province (s1q1)
# File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 41589
Invalid: 0

# 1.2 District name & code (s1q2)
# File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 41589
Invalid: 0

# 1.3 Stratum (s1q3)
# File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 32
Decimals: 0
Range: 0-40

Valid cases: 41589
Invalid: 0

# 1.4 Segment (s1q4)
# File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-68

Valid cases: 40019
Invalid: 1570
Minimum: 1
Maximum: 68
Mean: 20.8
Standard deviation: 12.6

## 1.6 Farmer ID/LSF ID (s1q6)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-77

Valid cases: 41589
Invalid: 0
Minimum: 1
Maximum: 77
Mean: 12.2
Standard deviation: 7.5

## 1.7 Farmer/LSF type (s1q7)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 20
Decimals: 0
Range: 1-4

Valid cases: 41589
Invalid: 0

## 1.8 Gender (s1q8)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 40722
Invalid: 867

## 1.9 Age (s1q9)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 8-111

Valid cases: 40720
Invalid: 869
Minimum: 8
Maximum: 111
Mean: 50.1
Standard deviation: 14.5

## 1.14 Did the farmer respond him/herself? (s1q14)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 41589
Invalid: 0

## 1.17 Relationship of respondent to the farmer (s1q17)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 13
Decimals: 0
Range: 1-8

Valid cases: 11236
Invalid: 30353

## 1.17 Other Relationship of respondent to the farmer (s1q17_o)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 199
Invalid: 0

## 2.1 Plot No (s2q1)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-93

Valid cases: 41589
Invalid: 0
Minimum: 1
Maximum: 93
Mean: 12.7
Standard deviation: 7.5

## 2.4 Plot size (m2) (s2q2)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 13.623046875-10886449

Valid cases: 41589
Invalid: 0
Minimum: 13.6
Maximum: 10886449
Mean: 8666
Standard deviation: 147385.8

## 2.3 Number of main crops to be harvested during this season in the plot. (s2q3)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-7

Valid cases: 41589
Invalid: 0

## 2.4 Crop name (s2q4)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 20
Decimals: 0
Range: 101-510

Valid cases: 41589
Invalid: 0

## 2.4 Crop name (s2q4_o)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 132
Invalid: 0

## 2.5 Number of plants in this plot for perennial crops (s2q5)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 1-104000

Valid cases: 11402
Invalid: 30187
Minimum: 1
Maximum: 104000
Mean: 292.8
Standard deviation: 1514.4

## 2.6 Number of plants to be harvested in this season for perennial crops (s2q6)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 0.35-104000

Valid cases: 11270
Invalid: 30319
Minimum: 0.4
Maximum: 104000
Mean: 180.4
Standard deviation: 1323.1

## 3.2.1 Crop proportion (in %) (s3q2_1)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0.5-100

Valid cases: 41589
Invalid: 0
Minimum: 0.5
Maximum: 100
Mean: 49.9
Standard deviation: 32.4

## 3.2.2 Crop proportion code (s3q2_2)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-9

Valid cases: 41589
Invalid: 0

## 3.3.1 Crop density (in %) (s3q3_1)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0.5-180

Valid cases: 41589
Invalid: 0
Minimum: 0.5
Maximum: 180
Mean: 47.6
Standard deviation: 32.9

## 3.3.2 Crop Density code (s3q3_2)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-10

Valid cases: 41589
Invalid: 0

## 2.7 Sowing date (s2q7)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 39
Decimals: 0
Range: 1-25

Valid cases: 41589
Invalid: 0

## 2.8 Expected period for crop harvesting (s2q8)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 40
Decimals: 0
Range: 1-24

Valid cases: 41589
Invalid: 0

## 2.9 Did you use improved seed for this crop in any of your plots in this season? (s2q9)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 41589
Invalid: 0

## 2.10 Where did improved seeds sown come from? (s2q10)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 29
Decimals: 0
Range: 1-7

Valid cases: 6063
Invalid: 35526

## (s2q10_o)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 68
Invalid: 0

## 2.11 Type of seeds sown in this plot (s2q11)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 17
Decimals: 0
Range: 1-3

Valid cases: 41589
Invalid: 0

## 2.12 Is the seed sown in this plot for the current season? (s2q12)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 41589
Invalid: 0

## 2.13.1 Unit of traditional seeds (s2q13_1)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-4

Valid cases: 24258
Invalid: 17331

## 2.13.2 Quantity Sown (s2q13_2)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-64700

Valid cases: 21436
Invalid: 20153
Minimum: 0
Maximum: 64700
Mean: 120.4
Standard deviation: 823.1

## 2.14 Quantity of traditional seeds purchased and sown in the plot (s2q14)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-64700

Valid cases: 21433
Invalid: 20156
Minimum: 0
Maximum: 64700
Mean: 19.8
Standard deviation: 622.8

## 2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf) (s2q15)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-12510000

Valid cases: 9241
Invalid: 32348
Minimum: 0
Maximum: 12510000
Mean: 10569.3
Standard deviation: 149232

## 2.16.1 Unit of improved seeds (s2q16_1)
## File: rwa-sas-seasonA_Crop production

**Overview**

## 2.16.1 Unit of improved seeds (s2q16_1)
## File: rwa-sas-seasonA_Crop production

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-4

Valid cases: 5385
Invalid: 36204

## 2.16.2 Quantity Sown (s2q16_2)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.05-63750

Valid cases: 5239
Invalid: 36350
Minimum: 0.1
Maximum: 63750
Mean: 187.2
Standard deviation: 1620.2

## 2.17 Quantity of improved seeds purchased and sown in this plot (s2q17)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-63750

Valid cases: 5239
Invalid: 36350
Minimum: 0
Maximum: 63750
Mean: 168.7
Standard deviation: 1545.9

## 2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf) (s2q18)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-40481250

Valid cases: 5190
Invalid: 36399
Minimum: 0
Maximum: 40481250
Mean: 135325.5
Standard deviation: 1264604.3

## 2.19 Unit of measurement (s2q19_1)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 14
Decimals: 0
Range: 1-4

Valid cases: 37194
Invalid: 4395

## 2.19 Quantity already harvested (in Kg) (s2q19_3)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-27664023.83

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 27664023.8
Mean: 3104.8
Standard deviation: 156266.7

## 2.20 Remaining quantity to be harvested(in Kg) (s2q20_2)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-5803236.17

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 5803236.2
Mean: 989
Standard deviation: 36900.3

## 2.21 Total quantity of harvest for this season (in Kg) (s2q21)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-33467260

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 33467260
Mean: 4093.8
Standard deviation: 186531

## 2.22 How can you compare the harvest in this season with last year? (s2q22_status)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 20
Decimals: 0
Range: 1-9

Valid cases: 35458
Invalid: 6131

## 2.22 Explanation on crop production status (s2q22_1)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-22

Valid cases: 28167
Invalid: 13422

## 2.22 Explanation on crop production status (s2q22_2)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-22

Valid cases: 10445
Invalid: 31144

## 2.22 Explanation on crop production status (s2q22_3)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-22

Valid cases: 2401
Invalid: 39188

## 2.22 Explanation on crop production status (s2q22_3_o)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 1434
Invalid: 0

## 2.22 Explanation on crop production status-specify disease/pest (s2q22_disease)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: character
Width: 100

Valid cases: 3282
Invalid: 0

## 2.23 Total qty of produced/to be harvested on this crop in this season (kg) (s2q23)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-150000000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 150000000
Mean: 13820.4
Standard deviation: 1116576.4

## 2.24 Total qty of harvest transformed/to be transformed by the farmer (kg) (s2q24)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-150000000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 150000000
Mean: 8216.5
Standard deviation: 1099740.3

## 2.25 Total qty of harvest that has been sold/to be sold(kg) (s2q25)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-32678470

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 32678470
Mean: 4010.8
Standard deviation: 180107.8

## 2.26 On which market this crop was sold? (s2q26)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-4

Valid cases: 16590
Invalid: 24999

## 2.26 On which market this crop was sold? (s2q26_0)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 26
Invalid: 0

## 2.27 What was the selling price per kilogram? (Rwf/Kg) (s2q27)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 6-5000

Valid cases: 16590
Invalid: 24999
Minimum: 6
Maximum: 5000
Mean: 515.7
Standard deviation: 441.5

## 2.28 Total qty of harvest that has been/will be used/for own consumption(kg) (s2q28)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-928000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 928000
Mean: 619.3
Standard deviation: 12285.4

## 2.29 Total qty of harvest that has been/will be used as wage for hired labor(kg) (s2q29)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-285450

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 285450
Mean: 31.6
Standard deviation: 2147.9

## 2.30 Total qty of harvest that has been/will be used as farm rent(kg) (s2q30)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-2707

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 2707
Mean: 2.6
Standard deviation: 40.3

## 2.31 Total qty of harvest that has been/will be given to others as gift(kg) (s2q31)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-390032

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 390032
Mean: 68.3
Standard deviation: 3300.4

## 2.32 Total qty of harvest that has been/will be exchanged for other products(kg) (s2q32)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-680

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 680
Mean: 0.1
Standard deviation: 4.9

## 2.33 Total qty of harvest that has been/will be used as seeds(kg) (s2q33)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-65000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 65000
Mean: 48.9
Standard deviation: 1032.4

## 2.34 Total qty of harvest that has been/will be used as fodder(kg) (s2q34)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-150000000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 150000000
Mean: 8760.7
Standard deviation: 1100160.4

## 2.35 Total qty of harvest that has been/will be kept as stock(kg) (s2q35)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-1691000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 1691000
Mean: 197.8
Standard deviation: 17587.5

## 2.36 What is the storage facility used during this agricultural season? (s2q36)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 15
Decimals: 0
Range: 1-4

Valid cases: 1445
Invalid: 40144

## 2.36 What is the storage facility used during this agricultural season? (s2q36_o)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 7
Invalid: 0

## 2.37 Quantity of production stored in public storage (kg) (s2q37)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-65

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 65
Mean: 0
Standard deviation: 0.4

## 2.38 Total qty of harvest that has been damaged/or the estimated loss in kg (s2q38)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-910800

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 910800
Mean: 67.2
Standard deviation: 6299.6

## 2.39 Total qty of harvest that has been/will be used in other ways(kg) (s2q39)

## File: rwa-sas-seasonA_Crop production

**Overview**

## 2.39 Total qty of harvest that has been/will be used in other ways(kg) (s2q39)

### File: rwa-sas-seasonA_Crop production

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-235128

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 235128
Mean: 13.1
Standard deviation: 1465.3

## 2.40 Pre_harvest loss: What was the total quantity stolen ?(kg) (s2q40)

### File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-32500

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 32500
Mean: 7.1
Standard deviation: 316.8

## 2.41 Pre-harvest loss: Total qty damaged by insects/pests (kg) (s2q41)

### File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-61500

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 61500
Mean: 12.3
Standard deviation: 525.6

## 2.42 Pre-harvest loss: Total qty damaged by birds/animals (kg) (s2q42)

### File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-200000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 200000
Mean: 14.8
Standard deviation: 1216.1

## 2.43 Pre-harvest loss: Total qty of stalks fallen to the ground?(kg) (s2q43)

### File: rwa-sas-seasonA_Crop production

**Overview**

## 2.43 Pre-harvest loss: Total qty of stalks fallen to the ground?(kg) (s2q43)

## File: rwa-sas-seasonA_Crop production

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-124000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 124000
Mean: 31.1
Standard deviation: 1516.7

## 2.44 Pre-harvest loss: Total qty lost during harvesting?(kg) (s2q44)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-157000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 157000
Mean: 15.4
Standard deviation: 1204.7

## 2.45 Post-harvest loss: Total qty lost in the transportation of harvest?(kg) (s2q45)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-17300

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 17300
Mean: 3.4
Standard deviation: 150.4

## 2.46 Post-harvest loss: Total qty lost in storage (kg) (s2q46)

## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-50

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 50
Mean: 0
Standard deviation: 0.9

## 2.47 Post-harvest loss: Total qty lost during processing (kg) (s2q47)

## File: rwa-sas-seasonA_Crop production

**Overview**

## 2.47 Post-harvest loss: Total qty lost during processing (kg) (s2q47)
## File: rwa-sas-seasonA_Crop production

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-94000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 94000
Mean: 16
Standard deviation: 758

## 2.48 Post-harvest loss: Total qty lost during packaging(kg) (s2q48)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-6438

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 6438
Mean: 1
Standard deviation: 49.9

## 2.49 Post-harvest loss: Total qty lost at sales (kg) (s2q49)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-910800

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 910800
Mean: 46.2
Standard deviation: 6246.4

## plot_weight (plot_weight)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42795.4296875

Valid cases: 41589
Invalid: 0
Minimum: 1
Maximum: 42795.4
Mean: 841.4
Standard deviation: 1081.2

## 2.2.ii Harvested crop area (Harv_area)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.00018325398559682 1-1055.98559570312

Valid cases: 37243
Invalid: 4346
Minimum: 0
Maximum: 1056
Mean: 0.7
Standard deviation: 14.2

## (sold_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 1
Mean: 0.3
Standard deviation: 0.4

## (consum_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 1
Mean: 0.5
Standard deviation: 0.4

## (wage_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0

## (rent_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0.1

## (gift_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0.1

## (exchanged_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310

## (seed_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 1
Mean: 0.1
Standard deviation: 0.1

## (feed_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0.1

## (stock_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0.1

## (lost_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0

## (other_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0

## individual crop yiedl at plot level (yield)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-785245.125

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 785245.1
Mean: 4861.8
Standard deviation: 7450

## (post_harvest)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-910800

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 910800
Mean: 66.7
Standard deviation: 6299.6

## (production_harvestinglos)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-150000000

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 150000000
Mean: 13832.7
Standard deviation: 1116580.3

## (harvesting_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-65.9090881347656

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 65.9
Mean: 0.1
Standard deviation: 1.1

## (transport_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-100

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 100
Mean: 0
Standard deviation: 0.9

## (storage_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 9
Decimals: 0
Range: 0-11.0192832946777

Valid cases: 36279
Invalid: 5310

## (processing_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-44.4444427490234

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 44.4
Mean: 0.1
Standard deviation: 0.8

## (packaging_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-80

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 80
Mean: 0
Standard deviation: 0.7

## (sales_ratio)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-31.7538013458252

Valid cases: 36279
Invalid: 5310
Minimum: 0
Maximum: 31.8
Mean: 0
Standard deviation: 0.4

## (aweight)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.00079786445712670 7-1055.98559570312

Valid cases: 37208
Invalid: 4381
Minimum: 0
Maximum: 1056
Mean: 27.7
Standard deviation: 28.6

## 2.4 Crop name (CropCategory)
## File: rwa-sas-seasonA_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 20
Decimals: 0
Range: 1-21

Valid cases: 41589
Invalid: 0

## 1.0 Segment identification (Segment_ID)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 12001-574051

Valid cases: 24279
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 353071.9
Standard deviation: 153092.7

## 2.1 Plot No (s2q1)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-93

Valid cases: 24279
Invalid: 0
Minimum: 1
Maximum: 93
Mean: 12.3
Standard deviation: 7.7

## 1.1 Province (s1q1)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 24279
Invalid: 0

## 1.2 District name & code (s1q2)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 24279
Invalid: 0

## 1.3 Stratum (s1q3)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 24279
Invalid: 0

## 1.4 Segment (s1q4)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0-68

Valid cases: 24279
Invalid: 0
Minimum: 0
Maximum: 68
Mean: 18.8
Standard deviation: 13.1

## 1.6 Farmer ID/LSF ID (s1q6)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-77

Valid cases: 24246
Invalid: 33
Minimum: 1
Maximum: 77
Mean: 12.3
Standard deviation: 8

## 1.7 Farmer/LSF type (s1q7)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 53
Decimals: 0
Range: 1-4

Valid cases: 24246
Invalid: 33

## 1.8 Gender (s1q8)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 22792
Invalid: 1487

## 1.9 Age (s1q9)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 8-111

Valid cases: 22792
Invalid: 1487
Minimum: 8
Maximum: 111
Mean: 48.8
Standard deviation: 14.2

## 1.17 Other Relationship of respondent to the farmer (s1q17_o)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 301
Invalid: 0

## 2.4 Plot size (m2) (s2q2)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 13.623046875-10886449

Valid cases: 24279
Invalid: 0
Minimum: 13.6
Maximum: 10886449
Mean: 43571
Standard deviation: 405115.1

## 3.1 Did you use organic fertilizer in any of your plots during this season? (s3q1)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 24113
Invalid: 166

## source of organic fertlizer1 (s3q2_1)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 38
Decimals: 0
Range: 1-4

Valid cases: 21225
Invalid: 3054

## source of organic fertlizer2 (s3q2_2)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 38
Decimals: 0
Range: 1-4

Valid cases: 1985
Invalid: 22294

## 3.2 Where did organic fertilizer used came from? (s3q2_o)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 10
Invalid: 0

## source of organic fertlizer3 (s3q2_3)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 38
Decimals: 0
Range: 1-4

Valid cases: 10
Invalid: 24269

## 3.3 Have you used organic fertilizer in this plot during this season? (s3q3)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 24113
Invalid: 166

## 3.4 Total cost of organic fertilizer purchased (Frw) (s3q4)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-22000000

Valid cases: 3608
Invalid: 20671
Minimum: 0
Maximum: 22000000
Mean: 121127.2
Standard deviation: 809583

## 3.5 Was the quantity of organic fertilizer used sufficient for you compared to t (s3q5)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 16797
Invalid: 7482

## main reasons1 (s3q6_1)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 30
Decimals: 0
Range: 1-6

Valid cases: 7489
Invalid: 16790

## main reasons2 (s3q6_2)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 30
Decimals: 0
Range: 1-6

Valid cases: 2848
Invalid: 21431

## 3.6 If the organic fertilizer used was not sufficient, what is the main reason o (s3q6_o)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 178
Invalid: 0

## 3.7 Did you use inorganic fertilizer in any of your plots during this season? (s3q7)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 24113
Invalid: 166

## 3.8 What is the main source of fertilizer used? (s3q8)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 29
Decimals: 0
Range: 1-6

Valid cases: 17002
Invalid: 7277

## 3.8 What is the main source of fertilizer used? (s3q8_o)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 47
Invalid: 0

## 3.9 Have you used inorganic fertilizer in this plot during this season? (s3q9)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 24279
Invalid: 0

## 3.10 Type of inorganic fertilizer used (s3q10)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 1-99

Valid cases: 12787
Invalid: 11492

## 3.10 Type of inorganic fertilizer used (s3q10_o)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 191
Invalid: 0

## 3.11 Measurement unit (s3q11)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-4

Valid cases: 12783
Invalid: 11496

## 3.12 Total quantity used in this plot (s3q12)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

## 3.12 Total quantity used in this plot (s3q12)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.12-3750000

Valid cases: 12787
Invalid: 11492
Minimum: 0.1
Maximum: 3750000
Mean: 1904.1
Standard deviation: 66586.7

## 3.13 Quantity purchased and used in this plot (s3q13)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-3750000

Valid cases: 12787
Invalid: 11492
Minimum: 0
Maximum: 3750000
Mean: 1898.4
Standard deviation: 66586.1

## 3.14 Unit price (Rwf) (s3q14)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 1-40000

Valid cases: 12577
Invalid: 11702
Minimum: 1
Maximum: 40000
Mean: 815.8
Standard deviation: 1421.2

## 3.15 Main crops to be fertilized? (s3q15)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 0-510

Valid cases: 12785
Invalid: 11494

## 3.16 Did you use any type of micro-nutrients in any of your plots in this season (s3q16)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 24113
Invalid: 166

## 3.17 Did you use any type of micro-nutrients in this plot during this season? (s3q17)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 363
Invalid: 23916

## 3.18 Did you use pesticide/Fungicide in any of your plots during this season? (s3q18)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 24113
Invalid: 166

## 3.19 Have you used pesticide/Fungicide in this plot during this current season? (s3q19)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 24279
Invalid: 0

## 3.20 Type of pesticide/fungicide used (s3q20)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 36
Decimals: 0
Range: 1-99

Valid cases: 8429
Invalid: 15850

## 3.20 Other type of pesticide/fungicide used (s3q20_o)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 275
Invalid: 0

## 3.21 Measurement unit (s3q21)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-4

Valid cases: 8426
Invalid: 15853

## 3.22 Total quantity used (s3q22)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.01-73220

Valid cases: 8426
Invalid: 15853
Minimum: 0
Maximum: 73220
Mean: 168.1
Standard deviation: 1983

## 3.23 Quantity purchased and used in the plot (s3q23)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-73220

Valid cases: 8429
Invalid: 15850
Minimum: 0
Maximum: 73220
Mean: 166.9
Standard deviation: 1982.5

## 3.24 Total amount spent on quantity purchased (Frw) (s3q24)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 1-14137200

Valid cases: 8313
Invalid: 15966
Minimum: 1
Maximum: 14137200
Mean: 104013.5
Standard deviation: 672864.5

## plot_weight (plot_weight)
## File: rwa-sas-SeasonA_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42795.4296875

Valid cases: 24279
Invalid: 0
Minimum: 1
Maximum: 42795.4
Mean: 849.6
Standard deviation: 1148.7

## lsf_id (Segment_ID)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 12001-574051

Valid cases: 17376
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 360781.6
Standard deviation: 147955.4

## 1.1 Province (s1q1)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 17376
Invalid: 0

## 1.2 District name & code (s1q2)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 17376
Invalid: 0

## 1.3 Stratum (s1q3)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 32
Decimals: 0
Range: 0-40

Valid cases: 17376
Invalid: 0

## 1.4 Segment (s1q4)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0-68

Valid cases: 17376
Invalid: 0
Minimum: 0
Maximum: 68
Mean: 19.7
Standard deviation: 13.2

## 1.6 Farmer ID/LSF ID (s1q6)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-77

Valid cases: 17376
Invalid: 0
Minimum: 1
Maximum: 77
Mean: 12.2
Standard deviation: 7.7

## 1.7 Farmer/LSF type (s1q7)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 20
Decimals: 0
Range: 1-4

Valid cases: 17376
Invalid: 0

## 1.8 Gender (s1q8)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 16789
Invalid: 587

## 1.9 Age (s1q9)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 8-111

Valid cases: 16787
Invalid: 589
Minimum: 8
Maximum: 111
Mean: 49.6
Standard deviation: 14.5

## 2.1 Plot Number (s2q1)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 1-93

Valid cases: 17376
Invalid: 0
Minimum: 1
Maximum: 93
Mean: 12.6
Standard deviation: 7.6

## total plot area_final (s2q2)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 13.623046875-10886449

Valid cases: 17376
Invalid: 0
Minimum: 13.6
Maximum: 10886449
Mean: 17235.8
Standard deviation: 227404.9

## 4.1 What is the degree of erosion on this plot? (s4q1)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 30
Decimals: 0
Range: 1-4

Valid cases: 17376
Invalid: 0

## 4.2 Is there any anti-erosion activity in any of your plots? (s4q2)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 17376
Invalid: 0

## 4.3 Is there any anti-erosion activity on this plot? (s4q3)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 15991
Invalid: 1385

## 4.4 Were these anti-erosion activities done during the current agricultural seas (s4q4)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 13838
Invalid: 3538

## 4.5 What is the total cost of anti-erosion activities done during this season (F (s4q5)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-8000000

Valid cases: 1224
Invalid: 16152
Minimum: 0
Maximum: 8000000
Mean: 29099
Standard deviation: 281662

## 4.6 Is this plot located in land consolidated site in this season? (s4q6)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 17376
Invalid: 0

## 4.7 What do you gain as support from land consolidation program?(Benefit1) (s4q7_1)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 621
Invalid: 16755

## 4.7 What do you gain as support from land consolidation program?(Benefit2) (s4q7_2)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 271
Invalid: 17105

## 4.7 What do you gain as support from land consolidation program?(Benefit3) (s4q7_3)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

## 4.7 What do you gain as support from land consolidation program?(Benefit3) (s4q7_3)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 188
Invalid: 17188

## 4.7 What do you gain as support from land consolidation program?(Benefit4) (s4q7_4)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 114
Invalid: 17262

## 4.7 What do you gain as support from land consolidation program? (s4q7_0)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 14
Invalid: 0

## 4.8 Did you use any mechanical equipment for agriculture activities in any of yo (s4q8)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 17376
Invalid: 0

## 4.9 Did you use any mechanical equipment for agriculture activities on this plot (s4q9)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 225
Invalid: 17151

## 4.10.1 Have you used ploughing animals (oxen) in this plot during this season? (s4q10_1)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 121
Invalid: 17255

## 4.10.2 At which stage of agriculture practice have you used animal ploughing?(St (s4q10_2_1)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 13
Decimals: 0
Range: 1-2

Valid cases: 1
Invalid: 17375

## 4.10.2 At which stage of agriculture practice have you used animal ploughing?(St (s4q10_2_2)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 13
Decimals: 0
Range: 1-2

Valid cases: 1
Invalid: 17375

## 4.10.2 At which stage of agriculture practice have you used animal ploughing? (s4q10_2_o)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.10.3 Amount paid on ploughing animals during this season (Rwf) (s4q10_3)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

## 4.10.3 Amount paid on ploughing animals during this season (Rwf) (s4q10_3)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 160000-160000

Valid cases: 1
Invalid: 17375

## 4.11.1 Have you used a ploughing tractor in this plot during this season? (s4q11_1)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 121
Invalid: 17255

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_1)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 115
Invalid: 17261

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_2)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 78
Invalid: 17298

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_3)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_3)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 23
Invalid: 17353

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_4)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 2
Invalid: 17374

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_5)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 1
Invalid: 17375

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor? (s4q11_2_o)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.11.3 Amount paid on ploughing tractor (Rwf) in this season? (s4q11_3)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

## 4.11.3 Amount paid on ploughing tractor (Rwf) in this season? (s4q11_3)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-83934000

Valid cases: 115
Invalid: 17261
Minimum: 0
Maximum: 83934000
Mean: 1846041.6
Standard deviation: 8057083.4

## 4.12.1 Have you used any other mechanical equipment not mentioned in this plot d (s4q12_1)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 121
Invalid: 17255

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q12_2_1)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 5
Invalid: 17371

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q12_2_2)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 1
Invalid: 17375

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q12_2_3)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q12_2_3)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 0
Invalid: 17376

## 4.12.2 At which stage of agriculture practices have you used other mechanical eq (s4q12_2_o)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.12.3 Name of other mechanical equipment used during this season (s4q12_3)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 20

Valid cases: 5
Invalid: 0

## 4.12.4 Amount paid for the other mechanical equipment in this season? (Rwf) (s4q12_4)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 34620-1800000

Valid cases: 5
Invalid: 17371
Minimum: 34620
Maximum: 1800000
Mean: 631924
Standard deviation: 795712.5

## 4.13 Amount spent on hired labor used to prepare land, sowing and any other agri (s4q13)

## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-688224600

Valid cases: 17376
Invalid: 0
Minimum: 0
Maximum: 688224600
Mean: 279648.3
Standard deviation: 7851847.9

## 4.14 Did you practice irrigation in any of your plots during this agricultural s (s4q14)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 17376
Invalid: 0

## 4.15 Has this plot been irrigated during this agricultural season? (s4q15)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 1717
Invalid: 15659

## 4.16 What is irrigation technique used on this plot? (s4q16)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 38
Decimals: 0
Range: 1-6

Valid cases: 683
Invalid: 16693

## 4.17 What is the source of water for irrigation?(source1) (s4q17_1)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 683
Invalid: 16693

## 4.17 What is the source of water for irrigation?(source2) (s4q17_2)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 47
Invalid: 17329

## 4.17 What is the source of water for irrigation?(source3) (s4q17_3)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 9
Invalid: 17367

## 4.17 What is the source of water for irrigation?(source4) (s4q17_4)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 3
Invalid: 17373

## 4.17 What is the source of water for irrigation? (s4q17_o)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.18 What is the irrigation tool have you used?(tool1) (s4q18_1)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-7

Valid cases: 683
Invalid: 16693

## 4.18 What is the irrigation tool have you used?(tool2) (s4q18_2)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 111
Invalid: 17265

## 4.18 What is the irrigation tool have you used?(tool3) (s4q18_3)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

## 4.18 What is the irrigation tool have you used?(tool3) (s4q18_3)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-7

Valid cases: 20
Invalid: 17356

## 4.18 What is the irrigation tool have you used?(tool4) (s4q18_4)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 2
Invalid: 17374

## 4.18 What is the irrigation tool have you used? (s4q18_o)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 2
Invalid: 0

## 4.19 What is the cost spent for irrigation activities? (Rwf) (s4q19)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-49028000

Valid cases: 683
Invalid: 16693
Minimum: 0
Maximum: 49028000
Mean: 781778.3
Standard deviation: 3915211.8

## plot_weight (plot_weight)
## File: rwa-sas-SeasonA_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42795.4296875

Valid cases: 17376
Invalid: 0
Minimum: 1
Maximum: 42795.4
Mean: 944.1
Standard deviation: 1245.2

## Segment Identification (Segment_ID)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 12001-574051

Valid cases: 34477
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 322234.6
Standard deviation: 174242.5

## 1.1 Province (s1q1)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 34477
Invalid: 0

## 1.2 District (s1q2)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 34477
Invalid: 0

## 1.3 Stratum (s1q3)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 34477
Invalid: 0

## 1.4 Segment number (s1q4)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-68

Valid cases: 28827
Invalid: 5650
Minimum: 1
Maximum: 68
Mean: 20.8
Standard deviation: 12.7

## 2.1 Plot number (s2q1)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-99

Valid cases: 34477
Invalid: 0
Minimum: 1
Maximum: 99
Mean: 13.3
Standard deviation: 9.7

## 2.4 Plot size (m2) (s2q4)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 13.623046875-16372718.0011415

Valid cases: 34477
Invalid: 0
Minimum: 13.6
Maximum: 16372718
Mean: 13888
Standard deviation: 125450.5

## 2.5.2 Farmer ID (s2q5_2)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-32

Valid cases: 28273
Invalid: 6204
Minimum: 1
Maximum: 32
Mean: 11.9
Standard deviation: 7.3

## 2.6 Plot land use (s2q6)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 16
Decimals: 0
Range: 96-99

Valid cases: 34477
Invalid: 0

## 2.7 Nonagricultural Land Type (s2q7)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-7

Valid cases: 4003
Invalid: 30474

## 2.7 Other Nonagricultural Land Type (s2q7_Other)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 83
Invalid: 0

## 2.10 Is there any agroforestry practices on this plot? (s2q10)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 30474
Invalid: 4003

## 2.11 Other types of agroforestry trees existing in this plot (s2q11_o)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 38
Invalid: 0

## 2.11 Types of agroforestry trees planted in this plot? (s2q11)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 37
Decimals: 0
Range: 1-15

Valid cases: 18420
Invalid: 16057

## plot_weight (plot_weight)
## File: rwa-sas-seasonA_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42795.4296875

Valid cases: 34477
Invalid: 0
Minimum: 1
Maximum: 42795.4
Mean: 821.4
Standard deviation: 1219

## Segment Identification (Segment_ID)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 12001-574051

Valid cases: 35362
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 308606.3
Standard deviation: 172256.2

## 1.1 Province (s1q1)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 35362
Invalid: 0

## 1.2 District (s1q2)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 35362
Invalid: 0

## 1.3 Stratum (s1q3)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 35362
Invalid: 0

## 1.4 Segment number (s1q4)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-68

Valid cases: 28924
Invalid: 6438
Minimum: 1
Maximum: 68
Mean: 20.8
Standard deviation: 12.5

## 2.1 Plot number (s2q1)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-99

Valid cases: 35362
Invalid: 0
Minimum: 1
Maximum: 99
Mean: 13.5
Standard deviation: 10.2

## 2.4 Plot size (m2) (s2q4)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 13.623046875-16372718.0011415

Valid cases: 35362
Invalid: 0
Minimum: 13.6
Maximum: 16372718
Mean: 14558
Standard deviation: 121593.5

## 2.5.2 Farmer ID (s2q5_2)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-32

Valid cases: 28370
Invalid: 6992
Minimum: 1
Maximum: 32
Mean: 11.9
Standard deviation: 7.3

## 2.6 Plot land use (s2q6)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 16
Decimals: 0
Range: 96-99

Valid cases: 35362
Invalid: 0

## 2.7 Nonagricultural Land Type (s2q7)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-7

Valid cases: 4005
Invalid: 31357

## 2.7 Other Nonagricultural Land Type (s2q7_Other)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 83
Invalid: 0

## 2.8 Is there any antierosion activity on this plot? (s2q8)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 31357
Invalid: 4005

## 2.8 Other types of antierosion activities existing on plot (s2q9_o)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 82
Invalid: 0

## 2.9 Types of anti erosion activities (s2q9)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 28
Decimals: 0
Range: 1-10

Valid cases: 26141
Invalid: 9221

## 2.16 Is this plot located in land consolidation site in this season? (s2q16)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 28423
Invalid: 6939

## plot_weight (plot_weight)
## File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

# plot_weight (plot_weight)
# File: rwa-sas-seasonA_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42795.4296875

Valid cases: 35362
Invalid: 0
Minimum: 1
Maximum: 42795.4
Mean: 846.7
Standard deviation: 1234.2

# Segment Identification (Segment_ID)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 12001-574051

Valid cases: 52487
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 359667
Standard deviation: 147195.1

# 1.1 Province (s1q1)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 52487
Invalid: 0

# 1.2 District (s1q2)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 52487
Invalid: 0

# 1.3 Stratum (s1q3)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 52487
Invalid: 0

# 1.4 Segment number (s1q4)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-68

Valid cases: 50000
Invalid: 2487
Minimum: 1
Maximum: 68
Mean: 20.8
Standard deviation: 12.6

## 1.7 Number of grids sampled in the segment (s1q7)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 25-25

Valid cases: 50000
Invalid: 2487

## 2.1 Plot number (s2q1)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-95

Valid cases: 52487
Invalid: 0
Minimum: 1
Maximum: 95
Mean: 12.6
Standard deviation: 7.6

## 2.2 Number of grid points that fall in this plot (s2q2)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-25

Valid cases: 50000
Invalid: 2487
Minimum: 1
Maximum: 25
Mean: 1.2
Standard deviation: 1.1

## 2.3 Grids fallling in the plot (s2q3)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: character
Width: 65

Valid cases: 50000
Invalid: 0

## 2.4 Plot size (m2) (s2q4)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 13.623046875-16372718

Valid cases: 52487
Invalid: 0
Minimum: 13.6
Maximum: 16372718
Mean: 8990.4
Standard deviation: 155098.9

## Plot size(ha) (s2q4_ha)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.00136230466887355-1637.27185058594

Valid cases: 52487
Invalid: 0
Minimum: 0
Maximum: 1637.3
Mean: 0.9
Standard deviation: 15.5

## 2.5.2 Farmer ID (s2q5_2)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-77

Valid cases: 51933
Invalid: 554
Minimum: 1
Maximum: 77
Mean: 12.1
Standard deviation: 7.6

## 2.6 Plot land use (s2q6)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 16
Decimals: 0
Range: 96-99

Valid cases: 52487
Invalid: 0

## 2.7 Nonagricultural Land Type (s2q7)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-7

Valid cases: 3991
Invalid: 48496

## 2.7 Other Nonagricultural Land Type (s2q7_Other)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 83
Invalid: 0

## 2.17 Cropping system (s2q17)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 14
Decimals: 0
Range: 1-2

Valid cases: 46442
Invalid: 6045

## 2.18 Number of main crops in the plot (s2q18)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-7

Valid cases: 46442
Invalid: 6045

## 3.1 Crop name (s3q1)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 101-510

Valid cases: 46787
Invalid: 5700

## 3.1 Other Crop name (s3q1_o)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 153
Invalid: 0

## 3.2.1 Crop proportion (in %) (s3q2_1)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0.5-100

Valid cases: 46442
Invalid: 6045
Minimum: 0.5
Maximum: 100
Mean: 49.2
Standard deviation: 32.9

## 3.2.2 Crop proportion code (s3q2_2)
## File: rwa-sas-seasonA-Screening_crops

## 3.2.2 Crop proportion code (s3q2_2)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-9

Valid cases: 46442
Invalid: 6045

## 3.3.1 Crop density (in %) (s3q3_1)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0.5-500

Valid cases: 46442
Invalid: 6045
Minimum: 0.5
Maximum: 500
Mean: 47.1
Standard deviation: 33.7

## 3.3.2 Crop Density code (s3q3_2)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-10

Valid cases: 46442
Invalid: 6045

## Number of banana plants (s3q4)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 1-15444

Valid cases: 11486
Invalid: 41001
Minimum: 1
Maximum: 15444
Mean: 78.3
Standard deviation: 316.8

## 3.5 Is this crop for this season? (s3q5)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 46442
Invalid: 6045

## 3.6 Will this crop be harvested in this season? (s3q6)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 46442
Invalid: 6045

## 3.7 What is the expected period for harvesting this crop (s3q7)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 39
Decimals: 0
Range: 1-24

Valid cases: 52142
Invalid: 345

## plot_weight (plot_weight)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42795.4296875

Valid cases: 52487
Invalid: 0
Minimum: 1
Maximum: 42795.4
Mean: 892.7
Standard deviation: 1161.1

## 3.1 Crop name (CropCategory)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-21

Valid cases: 46787
Invalid: 5700

## (Crop_Area)
## File: rwa-sas-seasonA-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.000408691412303597-1055.98559570312

Valid cases: 46442
Invalid: 6045
Minimum: 0
Maximum: 1056
Mean: 0.6
Standard deviation: 12.8

# IDQUEST (Segment_ID)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 12001-574051

Valid cases: 36005
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 371524
Standard deviation: 146130.7

# 1.1 Province (s1q1)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 36005
Invalid: 0

# 1.2 District name & code (s1q2)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 36005
Invalid: 0

# 1.3 Stratum (s1q3)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 32
Decimals: 0
Range: 0-40

Valid cases: 36005
Invalid: 0

# 1.4 Segment (s1q4)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-68

Valid cases: 34827
Invalid: 1178
Minimum: 1
Maximum: 68
Mean: 21.1
Standard deviation: 12.8

## 1.6 Farmer ID/LSF ID (s1q6)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-90

Valid cases: 36005
Invalid: 0
Minimum: 1
Maximum: 90
Mean: 12
Standard deviation: 7.5

## 1.7 Farmer/LSF type (s1q7)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 20
Decimals: 0
Range: 1-4

Valid cases: 36005
Invalid: 0

## 1.8 Gender (s1q8)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 35405
Invalid: 600

## 1.9 Age (s1q9)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 6-111

Valid cases: 35405
Invalid: 600
Minimum: 6
Maximum: 111
Mean: 50.2
Standard deviation: 14.6

## 1.14 Did the farmer respond him/herself? (s1q14)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 36005
Invalid: 0

## 1.17 Relationship of respondent to the farmer (s1q17)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 13
Decimals: 0
Range: 1-8

Valid cases: 9907
Invalid: 26098

## 1.17 Other Relationship of respondent to the farmer (s1q17_o)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 175
Invalid: 0

## 2.1 Plot No (s2q1)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-96

Valid cases: 36005
Invalid: 0
Minimum: 1
Maximum: 96
Mean: 12.6
Standard deviation: 7.5

## 2.2 Plot area(sqm) (s2q2)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 13.622304945-10879047

Valid cases: 36005
Invalid: 0
Minimum: 13.6
Maximum: 10879047
Mean: 8433.5
Standard deviation: 150047.6

## 2.3 Number of main crops to be harvested during this season in the plot. (s2q3)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-7

Valid cases: 36005
Invalid: 0

## 2.4 Crop name (s2q4)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 20
Decimals: 0
Range: 101-510

Valid cases: 36005
Invalid: 0

## 2.4 Crop name (s2q4_o)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 95
Invalid: 0

## 2.5 Number of plants in this plot for perennial crops (s2q5)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 1-864000

Valid cases: 12530
Invalid: 23475
Minimum: 1
Maximum: 864000
Mean: 307.7
Standard deviation: 7844.6

## 2.6 Number of plants to be harvested in this season for perennial crops (s2q6)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 0.3-864000

Valid cases: 12499
Invalid: 23506
Minimum: 0.3
Maximum: 864000
Mean: 228.5
Standard deviation: 7804.7

## 3.2.1 Crop proportion (in %) (s3q2_1)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-100

Valid cases: 36005
Invalid: 0
Minimum: 1
Maximum: 100
Mean: 47.3
Standard deviation: 32.5

## 3.2.2 Crop proportion code (s3q2_2)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-9

Valid cases: 36005
Invalid: 0

## 3.3.1 Crop density (in %) (s3q3_1)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-150

Valid cases: 36005
Invalid: 0
Minimum: 1
Maximum: 150
Mean: 47.8
Standard deviation: 34.1

## 3.3.2 Crop Density code (s3q3_2)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-10

Valid cases: 36005
Invalid: 0

## 2.7 Sowing date (s2q7)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 39
Decimals: 0
Range: 1-25

Valid cases: 36005
Invalid: 0

## 2.8 Expected period for crop harvesting (s2q8)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 40
Decimals: 0
Range: 1-24

Valid cases: 36005
Invalid: 0

## 2.9 Did you use improved seed for this crop in any of your plots in this season? (s2q9)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 36005
Invalid: 0

## 2.10 Where did improved seeds sown come from? (s2q10)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 29
Decimals: 0
Range: 1-7

Valid cases: 2837
Invalid: 33168

## (s2q10_o)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 24
Invalid: 0

## 2.11 Type of seeds sown in this plot (s2q11)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 17
Decimals: 0
Range: 1-3

Valid cases: 36005
Invalid: 0

## 2.12 Is the seed sown in this plot for the current season? (s2q12)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 36005
Invalid: 0

## 2.13.1 Unit of traditional seeds (s2q13_1)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-4

Valid cases: 19540
Invalid: 16465

## 2.13.2 Quantity Sown (s2q13_2)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-212500

Valid cases: 17422
Invalid: 18583
Minimum: 0
Maximum: 212500
Mean: 74.7
Standard deviation: 1723.7

## 2.14 Quantity of traditional seeds purchased and sown in the plot (s2q14)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-10000

Valid cases: 17409
Invalid: 18596
Minimum: 0
Maximum: 10000
Mean: 12
Standard deviation: 138.5

## 2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf) (s2q15)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-785002662

Valid cases: 8280
Invalid: 27725
Minimum: 0
Maximum: 785002662
Mean: 104112.4
Standard deviation: 8627237.9

## 2.16.1 Unit of improved seeds (s2q16_1)
## File: rwa-sas-seasonB_Crop production

**Overview**

## 2.16.1 Unit of improved seeds (s2q16_1)
## File: rwa-sas-seasonB_Crop production

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-4

Valid cases: 2400
Invalid: 33605

## 2.16.2 Quantity Sown (s2q16_2)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.12-1300000

Valid cases: 2335
Invalid: 33670
Minimum: 0.1
Maximum: 1300000
Mean: 962.1
Standard deviation: 27199.9

## 2.17 Quantity of improved seeds purchased and sown in this plot (s2q17)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-1300000

Valid cases: 2335
Invalid: 33670
Minimum: 0
Maximum: 1300000
Mean: 936.5
Standard deviation: 27191.3

## 2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf) (s2q18)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-94600000

Valid cases: 2300
Invalid: 33705
Minimum: 0
Maximum: 94600000
Mean: 313236.6
Standard deviation: 2558044.8

## 2.19 Unit of measurement (s2q19_1)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 14
Decimals: 0
Range: 1-4

Valid cases: 34983
Invalid: 1022

## 2.19 Quantity already harvested (in Kg) (s2q19_3)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 16
Decimals: 0
Range: 0-2070677.64

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 2070677.6
Mean: 713.9
Standard deviation: 22056.4

## 2.20 Remaining quantity to be harvested(in Kg) (s2q20_2)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 16
Decimals: 0
Range: 0-4757000

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 4757000
Mean: 2096.8
Standard deviation: 59932.5

## 2.21 Total quantity of harvest for this season (in Kg) (s2q21)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 16
Decimals: 0
Range: 0-4757000

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 4757000
Mean: 2810.7
Standard deviation: 65217

## 2.22 How can you compare the harvest in this season with last year? (s2q22_status)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 39
Decimals: 0
Range: 1-9

Valid cases: 32831
Invalid: 3174

## 2.22 Explanation on crop production status (s2q22_1)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-22

Valid cases: 24327
Invalid: 11678

## 2.22 Explanation on crop production status (s2q22_2)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-22

Valid cases: 8872
Invalid: 27133

## 2.22 Explanation on crop production status (s2q22_3)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-22

Valid cases: 2045
Invalid: 33960

## 2.22 Explanation on crop production status (s2q22_3_o)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 1542
Invalid: 0

## 2.22 Explanation on crop production status-specify disease/pest (s2q22_disease)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: character
Width: 100

Valid cases: 2917
Invalid: 0

## 2.23 Total qty of produced/to be harvested on this crop in this season (kg) (s2q23)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 16
Decimals: 0
Range: 0-12649600

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 12649600
Mean: 3906.2
Standard deviation: 95431.3

## 2.24 Total qty of harvest transformed/to be transformed by the farmer (kg) (s2q24)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-2711000

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 2711000
Mean: 204
Standard deviation: 15086

## 2.25 Total qty of harvest that has been sold/to be sold(kg) (s2q25)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 16
Decimals: 0
Range: 0-4248900

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 4248900
Mean: 2560.4
Standard deviation: 58370

## 2.26 On which market this crop was sold? (s2q26)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-4

Valid cases: 16502
Invalid: 19503

## 2.26 On which market this crop was sold? (s2q26_0)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 50
Invalid: 0

## 2.27 What was the selling price per kilogram? (Rwf/Kg) (s2q27)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 10-800000

Valid cases: 16502
Invalid: 19503
Minimum: 10
Maximum: 800000
Mean: 661.5
Standard deviation: 6239.8

## 2.28 Total qty of harvest that has been/will be used/for own consumption(kg) (s2q28)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-8400030

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 8400030
Mean: 683.6
Standard deviation: 46171

## 2.29 Total qty of harvest that has been/will be used as wage for hired labor(kg) (s2q29)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-189993

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 189993
Mean: 29.2
Standard deviation: 1279.1

## 2.30 Total qty of harvest that has been/will be used as farm rent(kg) (s2q30)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-3000

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 3000
Mean: 2.8
Standard deviation: 39.3

## 2.31 Total qty of harvest that has been/will be given to others as gift(kg) (s2q31)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-402990

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 402990
Mean: 64.6
Standard deviation: 3237.6

## 2.32 Total qty of harvest that has been/will be exchanged for other products(kg) (s2q32)

## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-300

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 300
Mean: 0.1
Standard deviation: 3.5

## 2.33 Total qty of harvest that has been/will be used as seeds(kg) (s2q33)

## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-65500

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 65500
Mean: 33.9
Standard deviation: 748.9

## 2.34 Total qty of harvest that has been/will be used as fodder(kg) (s2q34)

## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-3104382

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 3104382
Mean: 472.7
Standard deviation: 22479.3

## 2.35 Total qty of harvest that has been/will be kept as stock(kg) (s2q35)

## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-20000

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 20000
Mean: 3.5
Standard deviation: 118.3

## 2.36 What is the storage facility used during this agricultural season? (s2q36)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 15
Decimals: 0
Range: 1-12

Valid cases: 842
Invalid: 35163

## 2.36 What is the storage facility used during this agricultural season? (s2q36_o)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 2.37 Quantity of production stored in public storage (kg) (s2q37)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-150

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 150
Mean: 0
Standard deviation: 1

## 2.38 Total qty of harvest that has been damaged/or the estimated loss in kg (s2q38)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-376500

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 376500
Mean: 29.9
Standard deviation: 2139.3

## 2.39 Total qty of harvest that has been/will be used in other ways(kg) (s2q39)
## File: rwa-sas-seasonB_Crop production

**Overview**

## 2.39 Total qty of harvest that has been/will be used in other ways(kg) (s2q39)

## File: rwa-sas-seasonB_Crop production

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-519399

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 519399
Mean: 25.5
Standard deviation: 2937.3

## 2.40 Pre_harvest loss: What was the total quantity stolen ?(kg) (s2q40)

## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-102226.3

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 102226.3
Mean: 22.1
Standard deviation: 1006.9

## 2.41 Pre-harvest loss: Total qty damaged by insects/pests (kg) (s2q41)

## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-570000

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 570000
Mean: 22.2
Standard deviation: 3055.6

## 2.42 Pre-harvest loss: Total qty damaged by birds/animals (kg) (s2q42)

## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-94000

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 94000
Mean: 15.8
Standard deviation: 788.4

## 2.43 Pre-harvest loss: Total qty of stalks fallen to the ground?(kg) (s2q43)

## File: rwa-sas-seasonB_Crop production

**Overview**

## 2.43 Pre-harvest loss: Total qty of stalks fallen to the ground?(kg) (s2q43)

## File: rwa-sas-seasonB_Crop production

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-318000

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 318000
Mean: 16.9
Standard deviation: 1755.4

## 2.44 Pre-harvest loss: Total qty lost during harvesting?(kg) (s2q44)

## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-78040

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 78040
Mean: 10.7
Standard deviation: 547

## 2.45 Post-harvest loss: Total qty lost in the transportation of harvest?(kg) (s2q45)

## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-76000

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 76000
Mean: 4.3
Standard deviation: 423.5

## 2.46 Post-harvest loss: Total qty lost in storage (kg) (s2q46)

## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-30

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 30
Mean: 0
Standard deviation: 0.3

## 2.47 Post-harvest loss: Total qty lost during processing (kg) (s2q47)

## File: rwa-sas-seasonB_Crop production

**Overview**

## 2.47 Post-harvest loss: Total qty lost during processing (kg) (s2q47)
## File: rwa-sas-seasonB_Crop production

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-250000

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 250000
Mean: 21.9
Standard deviation: 1484.8

## 2.48 Post-harvest loss: Total qty lost during packaging(kg) (s2q48)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-50500

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 50500
Mean: 2.5
Standard deviation: 290.5

## 2.49 Post-harvest loss: Total qty lost at sales (kg) (s2q49)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-8160

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 8160
Mean: 0.6
Standard deviation: 48.4

## 2.2.ii Harvested crop area (Harv_area)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.00020555721130222 21-1044.38842773438

Valid cases: 34985
Invalid: 1020
Minimum: 0
Maximum: 1044.4
Mean: 0.7
Standard deviation: 14.2

## (sold_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 1
Mean: 0.4
Standard deviation: 0.4

## (consum_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 1
Mean: 0.5
Standard deviation: 0.4

## (wage_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0

## (rent_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0.1

## (gift_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0.1

## (exchanged_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.869565188884735

Valid cases: 34753
Invalid: 1252

## (seed_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 1
Mean: 0.1
Standard deviation: 0.1

## (feed_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0.1

## (stock_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0

## (lost_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0

## (other_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0

## individual crop yiedl at plot level (yield)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-65684.3828125

Valid cases: 34985
Invalid: 1020
Minimum: 0
Maximum: 65684.4
Mean: 5994.6
Standard deviation: 6913.5

## (post_harvest)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-376500

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 376500
Mean: 29.4
Standard deviation: 2139.3

## (production_harvestinglos)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-12649600

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 12649600
Mean: 3928.4
Standard deviation: 95504.7

## (harvesting_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.409101545810699

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 0.4
Mean: 0
Standard deviation: 0

## (transport_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.833333313465118

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 0.8
Mean: 0
Standard deviation: 0

## (storage_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.0185185186564922

Valid cases: 34753
Invalid: 1252

## (processing_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.644999980926514

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 0.6
Mean: 0
Standard deviation: 0

## (packaging_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.28571429848671

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 0.3
Mean: 0
Standard deviation: 0

## (sales_ratio)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.265225946903229

Valid cases: 34753
Invalid: 1252
Minimum: 0
Maximum: 0.3
Mean: 0
Standard deviation: 0

## (aweight)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.000907183915842324-1044.38842773438

Valid cases: 34973
Invalid: 1032
Minimum: 0
Maximum: 1044.4
Mean: 26.2
Standard deviation: 29.4

## 2.4 Crop name (CropCategory)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 20
Decimals: 0
Range: 1-21

Valid cases: 36005
Invalid: 0

## plot_weight (plot_weight)
## File: rwa-sas-seasonB_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42498.359375

Valid cases: 36005
Invalid: 0
Minimum: 1
Maximum: 42498.4
Mean: 807.4
Standard deviation: 989.8

# IDQUEST (Segment_ID)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 12001-574051

Valid cases: 21432
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 356022.5
Standard deviation: 150522.8

# 2.1 Plot No (s2q1)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-96

Valid cases: 21432
Invalid: 0
Minimum: 1
Maximum: 96
Mean: 12.4
Standard deviation: 7.8

# 1.1 Province (s1q1)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 21432
Invalid: 0

# 1.2 District name & code (s1q2)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 21432
Invalid: 0

# 1.3 Stratum (s1q3)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 21432
Invalid: 0

## 1.4 Segment (s1q4)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0-68

Valid cases: 21432
Invalid: 0
Minimum: 0
Maximum: 68
Mean: 19.3
Standard deviation: 13.1

## 1.6 Farmer ID/LSF ID (s1q6)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-90

Valid cases: 21432
Invalid: 0
Minimum: 1
Maximum: 90
Mean: 12.1
Standard deviation: 7.8

## 1.7 Farmer/LSF type (s1q7)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 53
Decimals: 0
Range: 1-4

Valid cases: 21432
Invalid: 0

## 1.8 Gender (s1q8)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 20306
Invalid: 1126

## 1.9 Age (s1q9)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 6-111

Valid cases: 20306
Invalid: 1126
Minimum: 6
Maximum: 111
Mean: 48.8
Standard deviation: 14.3

## 1.17 Other Relationship of respondent to the farmer (s1q17_o)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 272
Invalid: 0

## 2.2 Plot area(sqm) (s2q2)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 13.622304945-10879047

Valid cases: 21432
Invalid: 0
Minimum: 13.6
Maximum: 10879047
Mean: 45193.5
Standard deviation: 427932.1

## 3.1 Did you use organic fertilizer in any of your plots during this season? (s3q1)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 21432
Invalid: 0

## source of organic fertlizer1 (s3q2_1)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 38
Decimals: 0
Range: 1-4

Valid cases: 17405
Invalid: 4027

## 3.2 Where did organic fertilizer used came from? (s3q2_0)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 4
Invalid: 0

## source of organic fertlizer2 (s3q2_2)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

## source of organic fertlizer2 (s3q2_2)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 38
Decimals: 0
Range: 1-4

Valid cases: 1460
Invalid: 19972

## source of organic fertlizer3 (s3q2_3)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 38
Decimals: 0
Range: 1-4

Valid cases: 8
Invalid: 21424

## 3.3 Have you used organic fertilizer in this plot during this season? (s3q3)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 21432
Invalid: 0

## 3.4 Total cost of organic fertilizer purchased (Frw) (s3q4)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-100000000

Valid cases: 2350
Invalid: 19082
Minimum: 0
Maximum: 100000000
Mean: 247174.3
Standard deviation: 4130799

## 3.5 Was the quantity of organic fertilizer used sufficient for you compared to t (s3q5)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 12163
Invalid: 9269

## main reasons1 (s3q6_1)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 30
Decimals: 0
Range: 1-6

Valid cases: 5655
Invalid: 15777

## main reasons2 (s3q6_2)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 30
Decimals: 0
Range: 1-6

Valid cases: 2204
Invalid: 19228

## 3.6 If the organic fertilizer used was not sufficient, what is the main reason o (s3q6_0)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 117
Invalid: 0

## 3.7 Did you use inorganic fertilizer in any of your plots during this season? (s3q7)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 21432
Invalid: 0

## 3.8 What is the main source of fertilizer used? (s3q8)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 29
Decimals: 0
Range: 1-6

Valid cases: 12343
Invalid: 9089

## 3.8 What is the main source of fertilizer used? (s3q8_o)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 44
Invalid: 0

## 3.9 Have you used inorganic fertilizer in this plot during this season? (s3q9)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 21432
Invalid: 0

## 3.10 Type of inorganic fertilizer used (s3q10)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 1-99

Valid cases: 8619
Invalid: 12813

## 3.10 other type of inorganic fertilizer used (s3q10_o)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 110
Invalid: 0

## 3.11 Measurement unit (s3q11)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-4

Valid cases: 8619
Invalid: 12813

## 3.12 Total quantity used in this plot (s3q12)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

## 3.12 Total quantity used in this plot (s3q12)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.12-196000

Valid cases: 8619
Invalid: 12813
Minimum: 0.1
Maximum: 196000
Mean: 867.9
Standard deviation: 6536.5

## 3.13 Quantity purchased and used in this plot (s3q13)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-196000

Valid cases: 8619
Invalid: 12813
Minimum: 0
Maximum: 196000
Mean: 861.3
Standard deviation: 6528.9

## 3.14 Unit price (Rwf) (s3q14)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 20-40000

Valid cases: 8497
Invalid: 12935
Minimum: 20
Maximum: 40000
Mean: 1091
Standard deviation: 1914.5

## 3.15 Main crops to be fertilized (s3q15)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 101-510

Valid cases: 8619
Invalid: 12813

## 3.16 Did you use any type of micro-nutrients in any of your plots in this season (s3q16)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 21432
Invalid: 0

## 3.17 Did you use any type of micro-nutrients in this plot during this season? (s3q17)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 184
Invalid: 21248

## 3.18 Did you use pesticide/Fungicide in any of your plots during this season? (s3q18)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 21432
Invalid: 0

## 3.19 Have you used pesticide/Fungicide in this plot during this current season? (s3q19)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 21432
Invalid: 0

## 3.20 Type of pesticide/fungicide used (s3q20)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 36
Decimals: 0
Range: 1-99

Valid cases: 6251
Invalid: 15181

## 3.20 Other type of pesticide/fungicide used (s3q20_o)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 357
Invalid: 0

## 3.21 Measurement unit (s3q21)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-4

Valid cases: 6251
Invalid: 15181

## 3.22 Total quantity used (s3q22)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.01-80860

Valid cases: 6251
Invalid: 15181
Minimum: 0
Maximum: 80860
Mean: 130.1
Standard deviation: 1492.5

## 3.23 Quantity purchased and used in the plot (s3q23)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-80860

Valid cases: 6251
Invalid: 15181
Minimum: 0
Maximum: 80860
Mean: 129.1
Standard deviation: 1492.4

## 3.24 Total amount spent on quantity purchased (Frw) (s3q24)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 15-12885000

Valid cases: 6174
Invalid: 15258
Minimum: 15
Maximum: 12885000
Mean: 102518
Standard deviation: 640104.1

## plot_weight (plot_weight)
## File: rwa-sas-SeasonB_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42498.359375

Valid cases: 21432
Invalid: 0
Minimum: 1
Maximum: 42498.4
Mean: 837.7
Standard deviation: 1092.4

# IDQUEST (Segment_ID)
# File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 12001-574051

Valid cases: 16883
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 365310.2
Standard deviation: 146393

# 1.1 Province (s1q1)
# File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 16883
Invalid: 0

# 1.2 District name & code (s1q2)
# File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 16883
Invalid: 0

# 1.3 Stratum (s1q3)
# File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 32
Decimals: 0
Range: 0-40

Valid cases: 16883
Invalid: 0

# 1.4 Segment (s1q4)
# File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0-68

Valid cases: 16883
Invalid: 0
Minimum: 0
Maximum: 68
Mean: 20.1
Standard deviation: 13.2

## 1.6 Farmer ID/LSF ID (s1q6)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-90

Valid cases: 16883
Invalid: 0
Minimum: 1
Maximum: 90
Mean: 12.1
Standard deviation: 7.7

## 1.7 Farmer/LSF type (s1q7)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 20
Decimals: 0
Range: 1-4

Valid cases: 16883
Invalid: 0

## 1.8 Gender (s1q8)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 16432
Invalid: 451

## 1.9 Age (s1q9)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 6-111

Valid cases: 16432
Invalid: 451
Minimum: 6
Maximum: 111
Mean: 49.4
Standard deviation: 14.5

## 2.1 Plot No (s2q1)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-96

Valid cases: 16883
Invalid: 0
Minimum: 1
Maximum: 96
Mean: 12.6
Standard deviation: 7.6

## 2.2 Plot area(sqm) (s2q2)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 13.622304945-10879047

Valid cases: 16883
Invalid: 0
Minimum: 13.6
Maximum: 10879047
Mean: 15076.9
Standard deviation: 218701.2

## 4.1 What is the degree of erosion on this plot? (s4q1)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 30
Decimals: 0
Range: 1-4

Valid cases: 16883
Invalid: 0

## 4.2 Is there any anti-erosion activity in any of your plots? (s4q2)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 16883
Invalid: 0

## 4.3 Is there any anti-erosion activity on this plot? (s4q3)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 15404
Invalid: 1479

## 4.4 Were these anti-erosion activities done during the current agricultural seas (s4q4)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 13177
Invalid: 3706

## 4.5 What is the total cost of anti-erosion activities done during this season (F (s4q5)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-11545200

Valid cases: 1045
Invalid: 15838
Minimum: 0
Maximum: 11545200
Mean: 59403.9
Standard deviation: 490524.5

## 4.6 Is this plot located in land consolidated site in this season? (s4q6)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 16883
Invalid: 0

## 4.7 What do you gain as support from land consolidation program?(Benefit1) (s4q7_1)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 518
Invalid: 16365

## 4.7 What do you gain as support from land consolidation program?(Benefit2) (s4q7_2)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 186
Invalid: 16697

## 4.7 What do you gain as support from land consolidation program?(Benefit3) (s4q7_3)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

## 4.7 What do you gain as support from land consolidation program?(Benefit3) (s4q7_3)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 107
Invalid: 16776

## 4.7 What do you gain as support from land consolidation program?(Benefit4) (s4q7_4)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 66
Invalid: 16817

## 4.7 What do you gain as support from land consolidation program? (s4q7_o)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 9
Invalid: 0

## 4.8 Did you use any mechanical equipment for agriculture activities in any of yo (s4q8)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 16883
Invalid: 0

## 4.9 Did you use any mechanical equipment for agriculture activities on this plot (s4q9)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 161
Invalid: 16722

## 4.10.1 Have you used ploughing animals (oxen) in this plot during this season? (s4q10_1)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 86
Invalid: 16797

## 4.10.2 At which stage of agriculture practice have you used animal ploughing?(St (s4q10_2_1)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 13
Decimals: 0
Range: 1-3

Valid cases: 1
Invalid: 16882

## 4.10.2 At which stage of agriculture practice have you used animal ploughing?(St (s4q10_2_2)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 13
Decimals: 0
Range: 1-3

Valid cases: 1
Invalid: 16882

## 4.10.2 At which stage of agriculture practice have you used animal ploughing?(St (s4q10_2_3)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 13
Decimals: 0
Range: 1-3

Valid cases: 1
Invalid: 16882

## 4.10.2 At which stage of agriculture practice have you used animal ploughing? (s4q10_2_o)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

## 4.10.2 At which stage of agriculture practice have you used animal ploughing? (s4q10_2_o)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.10.3 Amount paid on ploughing animals during this season (Rwf) (s4q10_3)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 4500000-4500000

Valid cases: 1
Invalid: 16882

## 4.11.1 Have you used a ploughing tractor in this plot during this season? (s4q11_1)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 86
Invalid: 16797

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_1)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 81
Invalid: 16802

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_2)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 54
Invalid: 16829

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_3)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 23
Invalid: 16860

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_4)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 6
Invalid: 16877

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_5)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 2
Invalid: 16881

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor? (s4q11_2_o)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.11.3 Amount paid on ploughing tractor (Rwf) in this season? (s4q11_3)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

## 4.11.3 Amount paid on ploughing tractor (Rwf) in this season? (s4q11_3)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-30200000

Valid cases: 81
Invalid: 16802
Minimum: 0
Maximum: 30200000
Mean: 2034824
Standard deviation: 4881519.7

## 4.12.1 Have you used any other mechanical equipment not mentioned in this plot d (s4q12_1)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 86
Invalid: 16797

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q12_2_1)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 9
Invalid: 16874

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q12_2_2)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 1
Invalid: 16882

## 4.12.2 At which stage of agriculture practices have you used other mechanical eq (s4q12_2_o)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

## 4.12.2 At which stage of agriculture practices have you used other mechanical eq (s4q12_2_o)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.12.3 Name of other mechanical equipment used during this season (s4q12_3)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 20

Valid cases: 9
Invalid: 0

## 4.12.4 Amount paid for the other mechanical equipment in this season? (Rwf) (s4q12_4)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-576000

Valid cases: 9
Invalid: 16874
Minimum: 0
Maximum: 576000
Mean: 114086.7
Standard deviation: 176225.7

## 4.13 Amount spent on hired labor used to prepare land, sowing and any other agri (s4q13)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-1613500000

Valid cases: 16883
Invalid: 0
Minimum: 0
Maximum: 1613500000
Mean: 395833.9
Standard deviation: 14244805.9

## 4.14 Did you practice irrigation in any of your plots during this agricultural s (s4q14)

## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 16883
Invalid: 0

## 4.15 Has this plot been irrigated during this agricultural season? (s4q15)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 1503
Invalid: 15380

## 4.16 What is irrigation technique used on this plot? (s4q16)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 38
Decimals: 0
Range: 1-6

Valid cases: 509
Invalid: 16374

## 4.17 What is the source of water for irrigation?(source1) (s4q17_1)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 509
Invalid: 16374

## 4.17 What is the source of water for irrigation?(source2) (s4q17_2)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 37
Invalid: 16846

## 4.17 What is the source of water for irrigation?(source3) (s4q17_3)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 3
Invalid: 16880

## 4.17 What is the source of water for irrigation? (s4q17_o)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.18 What is the irrigation tool have you used?(tool1) (s4q18_1)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 509
Invalid: 16374

## 4.18 What is the irrigation tool have you used?(tool2) (s4q18_2)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 61
Invalid: 16822

## 4.18 What is the irrigation tool have you used?(tool3) (s4q18_3)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 14
Invalid: 16869

## 4.18 What is the irrigation tool have you used?(tool4) (s4q18_4)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 0
Invalid: 16883

## 4.18 What is the irrigation tool have you used? (s4q18_o)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

## 4.18 What is the irrigation tool have you used? (s4q18_o)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.19 What is the cost spent for irrigation activities? (Rwf) (s4q19)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-66476200

Valid cases: 509
Invalid: 16374
Minimum: 0
Maximum: 66476200
Mean: 1139102.8
Standard deviation: 5250576.1

## plot_weight (plot_weight)
## File: rwa-sas-SeasonB_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42498.359375

Valid cases: 16883
Invalid: 0
Minimum: 1
Maximum: 42498.4
Mean: 905.5
Standard deviation: 1123.9

## Segment_ID (Segment_ID)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 12001-574051

Valid cases: 33192
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 326421.5
Standard deviation: 172055.1

## 1.1 Province (s1q1)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 33192
Invalid: 0

## 1.2 District (s1q2)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 33192
Invalid: 0

## 1.3 Stratum (s1q3)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 33192
Invalid: 0

## 1.4 Segment number (s1q4)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0-68

Valid cases: 33192
Invalid: 0
Minimum: 0
Maximum: 68
Mean: 17.7
Standard deviation: 14

## 2.1 Plot number (s2q1)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 1-99

Valid cases: 33192
Invalid: 0
Minimum: 1
Maximum: 99
Mean: 13.2
Standard deviation: 9.6

## 2.4 Plot size (m2) (s2q4)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 13.622304945-16372718.0007324

Valid cases: 33192
Invalid: 0
Minimum: 13.6
Maximum: 16372718
Mean: 12752.3
Standard deviation: 121184.4

## 2.5.2 Farmer ID (s2q5_2)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-63

Valid cases: 32437
Invalid: 755
Minimum: 1
Maximum: 63
Mean: 11.4
Standard deviation: 8

## 2.6 Plot land use (s2q6)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 16
Decimals: 0
Range: 96-99

Valid cases: 33192
Invalid: 0

## 2.7 Nonagricultural Land Type (s2q7)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-7

Valid cases: 4006
Invalid: 29186

## 2.7 Other Nonagricultural Land Type (s2q7_Other)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 81
Invalid: 0

## 2.10 Is there any agroforestry practices on this plot? (s2q10)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 29186
Invalid: 4006

## 2.11 Types of agroforestry trees planted in this plot? (s2q11)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 37
Decimals: 0
Range: 1-16

Valid cases: 16426
Invalid: 16766

## 2.11 Other types of agroforestry trees existing in this plot (s2q11_o)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 40
Invalid: 0

## plot_weight (plot_weight)
## File: rwa-sas-seasonB_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42498.359375

Valid cases: 33192
Invalid: 0
Minimum: 1
Maximum: 42498.4
Mean: 831.2
Standard deviation: 1178

# Segment_ID (Segment_ID)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 12001-574051

Valid cases: 34483
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 312102.3
Standard deviation: 170528.6

# 1.1 Province (s1q1)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 34483
Invalid: 0

# 1.2 District (s1q2)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 34483
Invalid: 0

# 1.3 Stratum (s1q3)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 34483
Invalid: 0

# 1.4 Segment number (s1q4)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0-68

Valid cases: 34483
Invalid: 0
Minimum: 0
Maximum: 68
Mean: 17.3
Standard deviation: 13.9

## 2.1 Plot number (s2q1)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 1-99

Valid cases: 34483
Invalid: 0
Minimum: 1
Maximum: 99
Mean: 13.5
Standard deviation: 10.1

## 2.4 Plot size (m2) (s2q4)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 13.622304945-16372718.0007324

Valid cases: 34483
Invalid: 0
Minimum: 13.6
Maximum: 16372718
Mean: 14030.8
Standard deviation: 121837

## 2.5.2 Farmer ID (s2q5_2)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-63

Valid cases: 33693
Invalid: 790
Minimum: 1
Maximum: 63
Mean: 11.4
Standard deviation: 8

## 2.6 Plot land use (s2q6)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 16
Decimals: 0
Range: 96-99

Valid cases: 34483
Invalid: 0

## 2.7 Nonagricultural Land Type (s2q7)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-7

Valid cases: 4006
Invalid: 30477

## 2.7 Other Nonagricultural Land Type (s2q7_Other)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 81
Invalid: 0

## 2.8 Is there any antierosion activity on this plot? (s2q8)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 30476
Invalid: 4007

## 2.8 Other types of antierosion activities existing on plot (s2q9_o)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 88
Invalid: 0

## 2.9 Types of anti erosion activities (s2q9)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 27
Decimals: 0
Range: 1-10

Valid cases: 24909
Invalid: 9574

## 2.16 Is this plot located in land consolidation site in this season? (s2q16)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 26775
Invalid: 7708

## plot_weight (plot_weight)
## File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

# plot_weight (plot_weight)
# File: rwa-sas-seasonB_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42498.359375

Valid cases: 34483
Invalid: 0
Minimum: 1
Maximum: 42498.4
Mean: 847.4
Standard deviation: 1186.5

## Segment_ID (Segment_ID)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 12001-574051

Valid cases: 47308
Invalid: 0
Minimum: 12001
Maximum: 574051
Mean: 360677.3
Standard deviation: 149707.5

## 1.1 Province (s1q1)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 47308
Invalid: 0

## 1.2 District (s1q2)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 47308
Invalid: 0

## 1.3 Stratum (s1q3)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 47308
Invalid: 0

## 1.4 Segment number (s1q4)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-68

Valid cases: 44990
Invalid: 2318
Minimum: 1
Maximum: 68
Mean: 21
Standard deviation: 12.7

## 1.7 Number of grids sampled in the segment (s1q7)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 25-25

Valid cases: 44990
Invalid: 2318

## 2.1 Plot number (s2q1)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 1-96

Valid cases: 47308
Invalid: 0
Minimum: 1
Maximum: 96
Mean: 12.6
Standard deviation: 7.7

## 2.2 Number of grid points that fall in this plot (s2q2)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-25

Valid cases: 44990
Invalid: 2318
Minimum: 1
Maximum: 25
Mean: 1.2
Standard deviation: 1.1

## 2.3 Grids fallling in the plot (s2q3)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: character
Width: 65

Valid cases: 47308
Invalid: 0

## 2.4 Plot size (m2) (s2q4)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 13.622304945-16372718

Valid cases: 47308
Invalid: 0
Minimum: 13.6
Maximum: 16372718
Mean: 9358.6
Standard deviation: 160430.3

## Plot size(ha) (s2q4_ha)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.00136223051231354-1637.27185058594

Valid cases: 47308
Invalid: 0
Minimum: 0
Maximum: 1637.3
Mean: 0.9
Standard deviation: 16

## 2.5.2 Farmer ID (s2q5_2)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-90

Valid cases: 46682
Invalid: 626
Minimum: 1
Maximum: 90
Mean: 11.9
Standard deviation: 7.7

## 2.6 Plot land use (s2q6)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 16
Decimals: 0
Range: 96-99

Valid cases: 47308
Invalid: 0

## 2.7 Nonagricultural Land Type (s2q7)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-7

Valid cases: 4001
Invalid: 43307

## 2.7 Other Nonagricultural Land Type (s2q7_Other)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 81
Invalid: 0

## 2.17 Cropping system (s2q17)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 14
Decimals: 0
Range: 1-2

Valid cases: 40630
Invalid: 6678

## 2.18 Number of main crops in the plot (s2q18)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-7

Valid cases: 40630
Invalid: 6678

## 3.1 Crop name (s3q1)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 101-510

Valid cases: 40968
Invalid: 6340

## 3.1 Other Crop name (s3q1_o)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 125
Invalid: 0

## 3.2.1 Crop proportion (in %) (s3q2_1)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-100

Valid cases: 40630
Invalid: 6678
Minimum: 1
Maximum: 100
Mean: 47.4
Standard deviation: 32.7

## 3.2.2 Crop proportion code (s3q2_2)
## File: rwa-sas-seasonB-Screening_crops

## 3.2.2 Crop proportion code (s3q2_2)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-9

Valid cases: 40630
Invalid: 6678

## 3.3.1 Crop density (in %) (s3q3_1)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-280

Valid cases: 40629
Invalid: 6679
Minimum: 1
Maximum: 280
Mean: 48.1
Standard deviation: 34.5

## 3.3.2 Crop Density code (s3q3_2)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-10

Valid cases: 40629
Invalid: 6679

## Number of banana plants (s3q4)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 1-55000

Valid cases: 12119
Invalid: 35189
Minimum: 1
Maximum: 55000
Mean: 212.1
Standard deviation: 1071.9

## 3.5 Is this crop for this season? (s3q5)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 40629
Invalid: 6679

## 3.6 Will this crop be harvested in this season? (s3q6)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 40630
Invalid: 6678

## 3.7 What is the expected period for harvesting this crop (s3q7)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 38
Decimals: 0
Range: 1-24

Valid cases: 40740
Invalid: 6568

## plot_weight (plot_weight)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 1-42498.359375

Valid cases: 47308
Invalid: 0
Minimum: 1
Maximum: 42498.4
Mean: 874.3
Standard deviation: 1112.4

## (CropCategory)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 15
Decimals: 0
Range: 6-305

Valid cases: 40968
Invalid: 6340

## (Crop_Area)
## File: rwa-sas-seasonB-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.00056714296806603 7-1044.38842773438

Valid cases: 40630
Invalid: 6678
Minimum: 0
Maximum: 1044.4
Mean: 0.6
Standard deviation: 13.1

# IDQUEST (Segment_ID)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 112002-5706002

Valid cases: 5818
Invalid: 0
Minimum: 112002
Maximum: 5706002
Mean: 2908616.4
Standard deviation: 1691556.1

# 1.1 Province (s1q1)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 5818
Invalid: 0

# 1.2 District name & code (s1q2)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 5818
Invalid: 0

# 1.3 Stratum (s1q3)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 5818
Invalid: 0

# 1.4 Segment (s1q4)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-117

Valid cases: 5818
Invalid: 0
Minimum: 1
Maximum: 117
Mean: 25.6
Standard deviation: 22.6

## 1.6 Farmer ID/LSF ID (s1q6)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-58

Valid cases: 5818
Invalid: 0
Minimum: 1
Maximum: 58
Mean: 5.4
Standard deviation: 3.8

## 1.7 Farmer/LSF type (s1q7)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 53
Decimals: 0
Range: 1-4

Valid cases: 5818
Invalid: 0

## 1.8 Gender (s1q8)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 5680
Invalid: 138

## 1.9 Age (s1q9)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 17-90

Valid cases: 5680
Invalid: 138
Minimum: 17
Maximum: 90
Mean: 47.2
Standard deviation: 13

## 1.14 Did the farmer respond him/herself? (s1q14)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 5818
Invalid: 0

## 1.17 Relationship of respondent to the farmer (s1q17)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 13
Decimals: 0
Range: 1-8

Valid cases: 1013
Invalid: 4805

## 1.17 Other Relationship of respondent to the farmer (s1q17_o)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 25
Invalid: 0

## 2.1 Plot No (s2q1)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-25

Valid cases: 5818
Invalid: 0
Minimum: 1
Maximum: 25
Mean: 5.6
Standard deviation: 3.6

## 2.2 Plot area(sqm) (s2q2)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 14-84222.9

Valid cases: 5818
Invalid: 0
Minimum: 14
Maximum: 84222.9
Mean: 1205.6
Standard deviation: 3161

## 2.3 Number of main crops to be harvested during this season in the plot. (s2q3)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 5818
Invalid: 0

## 2.4 Crop name (s2q4)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 101-510

Valid cases: 5818
Invalid: 0

## 2.4 Crop name (s2q4_o)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 3
Invalid: 0

## 2.5 Number of plants in this plot for perennial crops (s2q5)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 12
Decimals: 0
Range: 1-1

Valid cases: 1
Invalid: 5817

## 2.6 Number of plants to be harvested in this season for perennial crops (s2q6)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 12
Decimals: 0

Valid cases: 0
Invalid: 5818

## 3.2.1 Crop proportion (in %) (s3q2_1)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 5-100

Valid cases: 5818
Invalid: 0
Minimum: 5
Maximum: 100
Mean: 75.8
Standard deviation: 29.6

## 3.2.2 Crop proportion code (s3q2_2)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-9

Valid cases: 5818
Invalid: 0

## 3.3.1 Crop density (in %) (s3q3_1)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: -30-200

Valid cases: 5818
Invalid: 0
Minimum: -30
Maximum: 200
Mean: 78.1
Standard deviation: 29.7

## 3.3.2 Crop Density code (s3q3_2)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-10

Valid cases: 5818
Invalid: 0

## 2.7 Sowing date (s2q7)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 39
Decimals: 0
Range: 1-25

Valid cases: 5818
Invalid: 0

## 2.8 Expected period for crop harvesting (s2q8)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 40
Decimals: 0
Range: 1-24

Valid cases: 5818
Invalid: 0

## 2.9 Did you use improved seed for this crop in any of your plots in this season? (s2q9)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 5818
Invalid: 0

## 2.10 Where did improved seeds sown come from? (s2q10)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 29
Decimals: 0
Range: 1-7

Valid cases: 1395
Invalid: 4423

## 2.10 Where did improved seeds sown come from? (s2q10_o)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 16
Invalid: 0

## 2.11 Type of seeds sown in this plot (s2q11)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 17
Decimals: 0
Range: 1-3

Valid cases: 5818
Invalid: 0

## 2.12 Is the seed sown in this plot for the current season? (s2q12)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 5818
Invalid: 0

## 2.13.1 Unit of traditional seeds (s2q13_1)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-4

Valid cases: 4301
Invalid: 1517

## 2.13.2 Quantity Sown (s2q13_2)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-17000

Valid cases: 3120
Invalid: 2698
Minimum: 0
Maximum: 17000
Mean: 113.3
Standard deviation: 438.4

## 2.14 Quantity of traditional seeds purchased and sown in the plot (s2q14)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-6120

Valid cases: 3116
Invalid: 2702
Minimum: 0
Maximum: 6120
Mean: 67.2
Standard deviation: 243.6

## 2.15 Amount spent for the purchase of traditional seeds for this plot (Rwf) (s2q15)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-3060000

Valid cases: 3258
Invalid: 2560
Minimum: 0
Maximum: 3060000
Mean: 32730.6
Standard deviation: 117027.9

## 2.16.1 Unit of improved seeds (s2q16_1)
## File: rwa-sas-seasonC_Crop production

**Overview**

## 2.16.1 Unit of improved seeds (s2q16_1)
## File: rwa-sas-seasonC_Crop production

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-4

Valid cases: 1344
Invalid: 4474

## 2.16.2 Quantity Sown (s2q16_2)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.08-13000

Valid cases: 1235
Invalid: 4583
Minimum: 0.1
Maximum: 13000
Mean: 208.7
Standard deviation: 634.1

## 2.17 Quantity of improved seeds purchased and sown in this plot (s2q17)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-13000

Valid cases: 1235
Invalid: 4583
Minimum: 0
Maximum: 13000
Mean: 198.5
Standard deviation: 621.4

## 2.18 Amount spent for the purchase of improved seeds sown in this plot(Rwf) (s2q18)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-6500000

Valid cases: 1301
Invalid: 4517
Minimum: 0
Maximum: 6500000
Mean: 63327.2
Standard deviation: 363588.6

## 2.19 Unit of measurement (s2q19_1)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 14
Decimals: 0
Range: 1-4

Valid cases: 5818
Invalid: 0

## 2.19 Quantity already harvested (in Kg) (s2q19_3)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-102472

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 102472
Mean: 413.6
Standard deviation: 2164.8

## 2.20 Remaining quantity to be harvested(in Kg) (s2q20_2)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-130000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 130000
Mean: 362.1
Standard deviation: 2794.3

## 2.21 Total quantity of harvest for this season (in Kg) (s2q21)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-130000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 130000
Mean: 775.7
Standard deviation: 3533.2

## 2.22 How do you compare the production of this crop in this season and its produ (s2q22_status)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 39
Decimals: 0
Range: 1-9

Valid cases: 5678
Invalid: 140

## (s2q22_1)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-23

Valid cases: 4462
Invalid: 1356

## (s2q22_2)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-23

Valid cases: 1705
Invalid: 4113

## (s2q22_3)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-23

Valid cases: 362
Invalid: 5456

## 2.22 Explanation on crop production status (s2q22_3_o)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 228
Invalid: 0

## 2.22_2 Specify disease or pest (s2q22_disease)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: character
Width: 100

Valid cases: 861
Invalid: 0

## 2.23. What was the quantity produced? (Kg) (s2q23)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-7000000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 7000000
Mean: 2712.6
Standard deviation: 91953.1

## 2.24. What was the quantity processed at farm level? (s2q24)
## File: rwa-sas-seasonC_Crop production

**Overview**

## 2.24. What was the quantity processed at farm level? (s2q24)
## File: rwa-sas-seasonC_Crop production

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-4029

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 4029
Mean: 2.8
Standard deviation: 78.5

## 2.25. What was the quantity sold? (s2q25)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-6800000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 6800000
Mean: 2300.9
Standard deviation: 89284.5

## 2.26 On which market this crop was sold? (s2q26)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-4

Valid cases: 4239
Invalid: 1579

## 2.26 On which market this crop was sold? (s2q26_o)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 1
Invalid: 0

## 2.27 What was the selling price per kilogram? (Rwf/Kg) (s2q27)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 20-30000

Valid cases: 4354
Invalid: 1464
Minimum: 20
Maximum: 30000
Mean: 595.5
Standard deviation: 682.3

## 2.28. What was the quantity used for own consumption? (s2q28)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-25000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 25000
Mean: 178.9
Standard deviation: 681.6

## 2.29. What was the quantity used as wages? (s2q29)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-3000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 3000
Mean: 7.8
Standard deviation: 72.8

## 2.30. What was the quantity used as farm rent? (s2q30)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-1391

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 1391
Mean: 2.1
Standard deviation: 30.9

## 2.31. What was the quantity used as gift? (s2q31)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-5000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 5000
Mean: 32.9
Standard deviation: 121.4

## 2.32. What was the quantity exchanged for other goods? (s2q32)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-130

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 130
Mean: 0.1
Standard deviation: 3.3

## 2.33. What was the quantity used as seeds? (s2q33)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-54800

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 54800
Mean: 136.2
Standard deviation: 1400.4

## 2.34. What was the quantity used to feed animals? (s2q34)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-1300

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 1300
Mean: 2.6
Standard deviation: 31.7

## 2.35. What was the quantity stored? (s2q35)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-28000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 28000
Mean: 9.6
Standard deviation: 416.5

## 2.36 What is the storage facility used during this agricultural season? (s2q36)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 50
Decimals: 0
Range: 1-4

Valid cases: 42
Invalid: 5776

## 2.36 What is the storage facility used during this agricultural season? (s2q36_o)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 6
Invalid: 0

## 2.37 Quantity of production stored in public storage (kg) (s2q37)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 0-20

Valid cases: 5818
Invalid: 0

## 2.38 On the total production of this crop what is the quantity that has been los (s2q38)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-195000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 195000
Mean: 40.2
Standard deviation: 2557.5

## 2.39. What was the quantity used in other forms? (s2q39)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-3200

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 3200
Mean: 1.3
Standard deviation: 43.3

## 2.40 What was the total quantity stolen ?(kg) (s2q40)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-1000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 1000
Mean: 3.5
Standard deviation: 33.4

## 2.41 What was the total quantity damaged by insects or pests?(kg) (s2q41)
## File: rwa-sas-seasonC_Crop production

**Overview**

## 2.41 What was the total quantity damaged by insects or pests?(kg) (s2q41)

## File: rwa-sas-seasonC_Crop production

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-450000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 450000
Mean: 90
Standard deviation: 5901.5

## 2.42 What was the total quantity lost due to birds or other animals?(kg) (s2q42)

## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-5000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 5000
Mean: 3.1
Standard deviation: 72.6

## 2.43 What was the total quantity of Stalks fallen to the ground?(kg) (s2q43)

## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-1440

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 1440
Mean: 1.4
Standard deviation: 28.3

## 2.44 What was the total quantity lost during harvesting?(kg) (s2q44)

## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-1000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 1000
Mean: 2
Standard deviation: 22.5

## 2.45 What was the total quantity lost in transport of produce?(kg) (s2q45)

## File: rwa-sas-seasonC_Crop production

**Overview**

## 2.45 What was the total quantity lost in transport of produce?(kg) (s2q45)

## File: rwa-sas-seasonC_Crop production

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-90000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 90000
Mean: 17.4
Standard deviation: 1180.4

## 2.46 What was the total quantity lost at storage?(kg) (s2q46)

## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 0-20

Valid cases: 5818
Invalid: 0

## 2.47 What was the total quantity lost during processing ?(kg) (s2q47)

## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 0-10

Valid cases: 5818
Invalid: 0

## 2.48 What was the total quantity lost during packaging ?(kg) (s2q48)

## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-100000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 100000
Mean: 18.7
Standard deviation: 1311.4

## 2.49 What was the total quantity lost at sales?(kg) (s2q49)

## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-5000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 5000
Mean: 3.5
Standard deviation: 82.4

## Harvested crop area in ha (Harvested_Area)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.000422000011894852-8.42228984832764

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 8.4
Mean: 0.1
Standard deviation: 0.3

## individual crop yield at plot level (yield)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-112148.1328125

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 112148.1
Mean: 7488.6
Standard deviation: 7288.7

## (sold_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 1
Mean: 0.5
Standard deviation: 0.4

## (consum_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 1
Mean: 0.4
Standard deviation: 0.3

## (wage_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.714285731315613

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 0.7
Mean: 0
Standard deviation: 0

## (rent_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.533333361148834

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 0.5
Mean: 0
Standard deviation: 0

## (gift_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.816326558589935

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 0.8
Mean: 0
Standard deviation: 0.1

## (exchanged_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.428571432828903

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 0.4
Mean: 0
Standard deviation: 0

## (seed_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-1

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 1
Mean: 0
Standard deviation: 0.1

## (feed_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.722222208976746

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 0.7
Mean: 0
Standard deviation: 0

## (stock_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.75

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 0.8
Mean: 0
Standard deviation: 0

## (lost_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.879999995231628

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 0.9
Mean: 0
Standard deviation: 0

## (other_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-0.754716992378235

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 0.8
Mean: 0
Standard deviation: 0

## (post_harvest)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-195000

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 195000
Mean: 39.6
Standard deviation: 2557.5

## (production_harvestinglos)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-7000500

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 7000500
Mean: 2714.6
Standard deviation: 91959.8

## (harvesting_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-50

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 50
Mean: 0.2
Standard deviation: 1.2

## (transport_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-88

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 88
Mean: 0.1
Standard deviation: 1.7

## (storage_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 9
Decimals: 0
Range: 0-2

Valid cases: 5780
Invalid: 38

## (processing_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-12.5

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 12.5
Mean: 0
Standard deviation: 0.2

## (packaging_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-16.6666660308838

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 16.7
Mean: 0
Standard deviation: 0.4

## (sales_ratio)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0-43.75

Valid cases: 5780
Invalid: 38
Minimum: 0
Maximum: 43.8
Mean: 0.1
Standard deviation: 1.2

## Final weight (weight_plot)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.745400607585907-10693.4973490099

Valid cases: 5818
Invalid: 0
Minimum: 0.7
Maximum: 10693.5
Mean: 101.4
Standard deviation: 341

## (aweight)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.0033964221365749 8-202.568984985352

Valid cases: 5818
Invalid: 0
Minimum: 0
Maximum: 202.6
Mean: 3.4
Standard deviation: 9

## 2.4 Crop name (CropCategory)
## File: rwa-sas-seasonC_Crop production

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 1-21

Valid cases: 5818
Invalid: 0

# IDQUEST (s1q0)
# File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 112002-5706002

Valid cases: 11242
Invalid: 0
Minimum: 112002
Maximum: 5706002
Mean: 3077629.1
Standard deviation: 1717436.2

# 2.1 Plot No (s2q1)
# File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-25

Valid cases: 11242
Invalid: 0
Minimum: 1
Maximum: 25
Mean: 5.6
Standard deviation: 3.9

# 1.1 Province (s1q1)
# File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 11242
Invalid: 0

# 1.2 District name & code (s1q2)
# File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 11242
Invalid: 0

# 1.3 Stratum (s1q3)
# File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 11242
Invalid: 0

## 1.4 Segment (s1q4)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-117

Valid cases: 11242
Invalid: 0
Minimum: 1
Maximum: 117
Mean: 24.2
Standard deviation: 21.1

## 1.6 Farmer ID/LSF ID (s1q6)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-58

Valid cases: 11242
Invalid: 0
Minimum: 1
Maximum: 58
Mean: 5.5
Standard deviation: 4

## 2.4 plot size in hectares (s2q4_ha)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.00139999995008111-8.42228984832764

Valid cases: 11242
Invalid: 0
Minimum: 0
Maximum: 8.4
Mean: 0.2
Standard deviation: 0.4

## 3.1 Did you use organic fertilizer in any of your plots during this season? (s3q1)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 11242
Invalid: 0

## 3.2 Where did organic fertilizer used came from?(Source1) (s3q2_1)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 17
Decimals: 0
Range: 1-3

Valid cases: 9725
Invalid: 1517

## 3.2 Where did organic fertilizer used came from?(Source2) (s3q2_2)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 17
Decimals: 0
Range: 1-3

Valid cases: 1305
Invalid: 9937

## 3.2 Where did organic fertilizer used came from? (s3q2_o)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 3.2 Where did organic fertilizer used came from?(Source3) (s3q2_3)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 17
Decimals: 0
Range: 1-3

Valid cases: 4
Invalid: 11238

## 3.3 Have you used organic fertilizer in this plot during this season? (s3q3)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 9725
Invalid: 1517

## 3.4 Total cost of organic fertilizer purchased (Frw) (s3q4)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 16-1604000

Valid cases: 3547
Invalid: 7695
Minimum: 16
Maximum: 1604000
Mean: 42410.5
Standard deviation: 113587.3

## 3.5 Was the quantity of organic fertilizer used sufficient for you compared to t (s3q5)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 9159
Invalid: 2083

## 3.6 If the organic fertilizer used was not sufficient, what is the main reason?( (s3q6_1)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 28
Decimals: 0
Range: 1-6

Valid cases: 2459
Invalid: 8783

## 3.6 If the organic fertilizer used was not sufficient, what is the main reason?( (s3q6_2)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 28
Decimals: 0
Range: 1-6

Valid cases: 895
Invalid: 10347

## 3.6 If the organic fertilizer used was not sufficient, what is the main reason o (s3q6_o)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 39
Invalid: 0

## 3.7 Did you use inorganic fertilizer in any of your plots during this season? (s3q7)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

## 3.7 Did you use inorganic fertilizer in any of your plots during this season? (s3q7)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 11242
Invalid: 0

## 3.8 What is the main source of fertilizer used? (s3q8)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 29
Decimals: 0
Range: 1-6

Valid cases: 9770
Invalid: 1472

## 3.8 What is the main source of fertilizer used? (s3q8_o)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 51
Invalid: 0

## 3.9 Have you used inorganic fertilizer in this plot during this season? (s3q9)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 11242
Invalid: 0

## (s3q10)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 1-99

Valid cases: 9481
Invalid: 1761

## 3.10 Type of inorganic fertilizer used (s3q10_o)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 678
Invalid: 0

## (s3q11)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-4

Valid cases: 9481
Invalid: 1761

## (s3q12)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.12-5000

Valid cases: 9481
Invalid: 1761
Minimum: 0.1
Maximum: 5000
Mean: 32.2
Standard deviation: 110.5

## (s3q13)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-3150

Valid cases: 9481
Invalid: 1761
Minimum: 0
Maximum: 3150
Mean: 31.1
Standard deviation: 94.9

## (s3q14)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 10-80000

Valid cases: 9456
Invalid: 1786
Minimum: 10
Maximum: 80000
Mean: 1303.7
Standard deviation: 2955.3

(s3q15)
File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 101-510

Valid cases: 9481
Invalid: 1761

## 3.16 Did you use any type of micro-nutrients in any of your plots in this season (s3q16)
File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 11242
Invalid: 0

## 3.17 Did you use any type of micro-nutrients in this plot during this season? (s3q17)
File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 11242
Invalid: 0

## 3.18 Did you use pesticide/Fungicide in any of your plots during this season? (s3q18)
File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 11242
Invalid: 0

## 3.19 Have you used pesticide/Fungicide in this plot during this current season? (s3q19)
File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

## 3.19 Have you used pesticide/Fungicide in this plot during this current season? (s3q19)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 9652
Invalid: 1590

## (s3q20)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 36
Decimals: 0
Range: 1-99

Valid cases: 9372
Invalid: 1870

## 3.20 Type of pesticide/fungicide used (s3q20_o)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 1090
Invalid: 0

## (s3q21)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-4

Valid cases: 9372
Invalid: 1870

## (s3q22)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.02-20000

Valid cases: 9372
Invalid: 1870
Minimum: 0
Maximum: 20000
Mean: 147.6
Standard deviation: 513

## (s3q23)

## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

## (s3q23)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-20000

Valid cases: 9372
Invalid: 1870
Minimum: 0
Maximum: 20000
Mean: 146
Standard deviation: 506.3

## (s3q24)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 2-4000000

Valid cases: 9360
Invalid: 1882
Minimum: 2
Maximum: 4000000
Mean: 18277.1
Standard deviation: 107674.9

## Final weight (weight_plot)
## File: rwa-sas-SeasonC_PartIII_Fertilizers_Pesticides

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.745400607585907-7128.99823267328

Valid cases: 11242
Invalid: 0
Minimum: 0.7
Maximum: 7129
Mean: 81.7
Standard deviation: 250.8

# IDQUEST (s1q0)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 12
Decimals: 0
Range: 112002-5706002

Valid cases: 4926
Invalid: 0
Minimum: 112002
Maximum: 5706002
Mean: 2901550.3
Standard deviation: 1670387.1

# 2.1 Plot No (s2q1)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-25

Valid cases: 4926
Invalid: 0
Minimum: 1
Maximum: 25
Mean: 5.6
Standard deviation: 3.7

# 1.1 Province (s1q1)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 4926
Invalid: 0

# 1.2 District name & code (s1q2)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 4926
Invalid: 0

# 1.3 Stratum (s1q3)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 35
Decimals: 0
Range: 0-50

Valid cases: 4926
Invalid: 0

## 1.4 Segment (s1q4)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-117

Valid cases: 4926
Invalid: 0
Minimum: 1
Maximum: 117
Mean: 25.6
Standard deviation: 22.4

## 1.6 Farmer ID/LSF ID (s1q6)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-58

Valid cases: 4926
Invalid: 0
Minimum: 1
Maximum: 58
Mean: 5.5
Standard deviation: 3.9

## 1.7 Farmer/LSF type (s1q7)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 53
Decimals: 0
Range: 1-4

Valid cases: 4926
Invalid: 0

## 1.8 Gender (s1q8)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 4822
Invalid: 104

## 1.9 Age (s1q9)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 17-90

Valid cases: 4822
Invalid: 104
Minimum: 17
Maximum: 90
Mean: 47
Standard deviation: 13

## 2.2 Plot area(sqm) (s2q2)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 14-84222.9

Valid cases: 4006
Invalid: 920
Minimum: 14
Maximum: 84222.9
Mean: 1185.3
Standard deviation: 3363

## 4.1 What is the degree of erosion on this plot? (s4q1)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 30
Decimals: 0
Range: 1-4

Valid cases: 4926
Invalid: 0

## 4.2 Is there any anti-erosion activity in any of your plots? (s4q2)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 4926
Invalid: 0

## 4.3 Is there any anti-erosion activity on this plot? (s4q3)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 4721
Invalid: 205

## 4.4 Were these anti-erosion activities done during the current agricultural seas (s4q4)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 4368
Invalid: 558

## 4.5 What is the total cost of anti-erosion activities done during this season (F (s4q5)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-1000000

Valid cases: 1082
Invalid: 3844
Minimum: 0
Maximum: 1000000
Mean: 6969.8
Standard deviation: 48743.4

## 4.6 Is this plot located in land consolidated site in this season? (s4q6)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 4926
Invalid: 0

## 4.7 What do you gain as support from land consolidation program?(Benefit1) (s4q7_1)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 1491
Invalid: 3435

## 4.7 What do you gain as support from land consolidation program?(Benefit2) (s4q7_2)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 330
Invalid: 4596

## 4.7 What do you gain as support from land consolidation program?(Benefit3) (s4q7_3)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

## 4.7 What do you gain as support from land consolidation program?(Benefit3) (s4q7_3)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 169
Invalid: 4757

## 4.7 What do you gain as support from land consolidation program?(Benefit4) (s4q7_4)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 31
Decimals: 0
Range: 1-8

Valid cases: 34
Invalid: 4892

## 4.7 What do you gain as support from land consolidation program? (s4q7_o)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 16
Invalid: 0

## 4.8 Did you use any mechanical equipment for agriculture activities in any of yo (s4q8)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 4926
Invalid: 0

## 4.9 Did you use any mechanical equipment for agriculture activities on this plot (s4q9)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 17
Invalid: 4909

## 4.10.1 Have you used ploughing animals (oxen) in this plot during this season? (s4q10_1)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 6
Invalid: 4920

## 4.10.2 At which stage of agriculture practice have you used animal ploughing? (s4q10_2)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 5

Valid cases: 0
Invalid: 0

## 4.10.2 At which stage of agriculture practice have you used animal ploughing? (s4q10_2_o)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.10.3 Amount paid on ploughing animals during this season (Rwf) (s4q10_3)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0

Valid cases: 0
Invalid: 4926

## 4.11.1 Have you used a ploughing tractor in this plot during this season? (s4q11_1)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 6
Invalid: 4920

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_1)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 6
Invalid: 4920

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor?(s (s4q11_2_2)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 45
Decimals: 0
Range: 1-13

Valid cases: 4
Invalid: 4922

## 4.11.2 At which stage of agriculture practice have you used ploughing tractor? (s4q11_2_o)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.11.3 Amount paid on ploughing tractor (Rwf) in this season? (s4q11_3)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 70000-1020000

Valid cases: 6
Invalid: 4920
Minimum: 70000
Maximum: 1020000
Mean: 283333.3
Standard deviation: 362748.8

## 4.12.1 Have you used any other mechanical equipment not mentioned in this plot d (s4q12_1)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

## 4.12.1 Have you used any other mechanical equipment not mentioned in this plot d (s4q12_1)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 6
Invalid: 4920

## 4.12.2 At which stage of agriculture practices have you used other mechanical eq (s4q12_2)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 5

Valid cases: 0
Invalid: 0

## 4.12.2 At which stage of agriculture practices have you used other mechanical eq (s4q12_2_o)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 4.12.3 Name of other mechanical equipment used during this season (s4q12_3)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 20

Valid cases: 0
Invalid: 0

## 4.12.4 Amount paid for the other mechanical equipment in this season? (Rwf) (s4q12_4)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0

Valid cases: 0
Invalid: 4926

## 4.13 Amount spent on hired labor used to prepare land, sowing and any other agri (s4q13)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-2562000

Valid cases: 4926
Invalid: 0
Minimum: 0
Maximum: 2562000
Mean: 26347
Standard deviation: 91780.1

## 4.14 Did you practice irrigation in any of your plots during this agricultural s (s4q14)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 4926
Invalid: 0

## 4.15 Has this plot been irrigated during this agricultural season? (s4q15)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 3115
Invalid: 1811

## 4.16 What is irrigation technique used on this plot? (s4q16)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 38
Decimals: 0
Range: 1-6

Valid cases: 2949
Invalid: 1977

## 4.17 What is the source of water for irrigation?(source1) (s4q17_1)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

## 4.17 What is the source of water for irrigation?(source1) (s4q17_1)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 2949
Invalid: 1977

## 4.17 What is the source of water for irrigation?(source2) (s4q17_2)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 100
Invalid: 4826

## 4.17 What is the source of water for irrigation?(source3) (s4q17_3)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 1
Invalid: 4925

## 4.17 What is the source of water for irrigation? (s4q17_o)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 4
Invalid: 0

## 4.18 What is the irrigation tool have you used?(tool1) (s4q18_1)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-7

Valid cases: 2949
Invalid: 1977

## 4.18 What is the irrigation tool have you used?(tool2) (s4q18_2)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

## 4.18 What is the irrigation tool have you used?(tool2) (s4q18_2)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-7

Valid cases: 553
Invalid: 4373

## 4.18 What is the irrigation tool have you used?(tool3) (s4q18_3)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 38
Invalid: 4888

## 4.18 What is the irrigation tool have you used?(tool4) (s4q18_4)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: numeric
Width: 23
Decimals: 0
Range: 1-6

Valid cases: 1
Invalid: 4925

## 4.18 What is the irrigation tool have you used? (s4q18_o)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 5
Invalid: 0

## 4.19 What is the cost spent for irrigation activities? (Rwf) (s4q19)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0-875500

Valid cases: 2949
Invalid: 1977
Minimum: 0
Maximum: 875500
Mean: 7653.3
Standard deviation: 39023

## Final weight (weight_plot)
## File: rwa-sas-SeasonC_PartIV_Agricultural practice

**Overview**

# Final weight (weight_plot)

## File: rwa-sas-SeasonC_PartIV_Agricultural practice

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 0.745400607585907-7128.99823267328

Valid cases: 4926
Invalid: 0
Minimum: 0.7
Maximum: 7129
Mean: 104.2
Standard deviation: 325.8

# Segment_ID (s1q0)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 112001-572015

Valid cases: 4937
Invalid: 0
Minimum: 112001
Maximum: 572015
Mean: 366651.5
Standard deviation: 99162.7

# 1.1 Province (s1q1)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 4937
Invalid: 0

# 1.2 District (name and code) (s1q2)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 4937
Invalid: 0

# (s1q3)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 32
Decimals: 0
Range: 0-40

Valid cases: 4937
Invalid: 0

# Segment number (s1q4)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-35

Valid cases: 4937
Invalid: 0
Minimum: 1
Maximum: 35
Mean: 12
Standard deviation: 8.4

## 2.1 Plot number (s2q1)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-25

Valid cases: 4937
Invalid: 0
Minimum: 1
Maximum: 25
Mean: 8.8
Standard deviation: 6.9

## Number of grids sampled (s1q7)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 9-25

Valid cases: 4937
Invalid: 0

## 2.2 Number of grid points that fall in this plot (s2q2)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-16

Valid cases: 4937
Invalid: 0

## plot_area (s2q4)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 26.8-55175.3

Valid cases: 4937
Invalid: 0
Minimum: 26.8
Maximum: 55175.3
Mean: 1387.8
Standard deviation: 3058.3

## 2.4.2 Farmer ID (s2q5_2)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-25

Valid cases: 4769
Invalid: 168
Minimum: 1
Maximum: 25
Mean: 8.5
Standard deviation: 6.9

## 2.5 Plot land use (s2q6)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 16
Decimals: 0
Range: 96-99

Valid cases: 4937
Invalid: 0

## 2.6 Nonagricultural Land Type (s2q7)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-7

Valid cases: 774
Invalid: 4163

## 2.6 Other Nonagricultural Land Type (s2q7_Other)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 20
Invalid: 0

## 2.10 Is there any agroforestry practices on this plot? (s2q10)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 4164
Invalid: 773

## 2.11 Types of agroforestry trees existing in this plot?(type1) (s2q11_1)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 37
Decimals: 0
Range: 1-15

Valid cases: 1196
Invalid: 3741

## 2.11 Types of agroforestry trees existing in this plot?(type2) (s2q11_2)
## File: rwa-sas-seasonC_Screening_Agroforestry

## 2.11 Types of agroforestry trees existing in this plot?(type2) (s2q11_2)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 37
Decimals: 0
Range: 1-16

Valid cases: 232
Invalid: 4705

## 2.11 Types of agroforestry trees existing in this plot?(type3) (s2q11_3)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 37
Decimals: 0
Range: 1-15

Valid cases: 35
Invalid: 4902

## 2.11 Types of agroforestry trees existing in this plot?(type4) (s2q11_4)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: numeric
Width: 37
Decimals: 0
Range: 1-15

Valid cases: 4
Invalid: 4933

## 2.10_o Other types of agroforestry trees existing in this plot? (s2q11_o)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 17
Invalid: 0

## Final weight (weight_plot_final)
## File: rwa-sas-seasonC_Screening_Agroforestry

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 1.01429113432899-28353.7941864271

Valid cases: 4937
Invalid: 0
Minimum: 1
Maximum: 28353.8
Mean: 701.3
Standard deviation: 1164.2

## Segment_ID (s1q0)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 112001-572015

Valid cases: 4937
Invalid: 0
Minimum: 112001
Maximum: 572015
Mean: 366651.5
Standard deviation: 99162.7

## 1.1 Province (s1q1)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 4937
Invalid: 0

## 1.2 District (name and code) (s1q2)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 4937
Invalid: 0

## 1.3 Stratum (s1q3)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 32
Decimals: 0
Range: 0-40

Valid cases: 4937
Invalid: 0

## Segment number (s1q4)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-35

Valid cases: 4937
Invalid: 0
Minimum: 1
Maximum: 35
Mean: 12
Standard deviation: 8.4

## 2.1 Plot number (s2q1)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-25

Valid cases: 4937
Invalid: 0
Minimum: 1
Maximum: 25
Mean: 8.8
Standard deviation: 6.9

## 2.2 Number of grid points that fall in this plot (s2q2)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-16

Valid cases: 4937
Invalid: 0

## plot_area (s2q4)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 26.8-55175.3

Valid cases: 4937
Invalid: 0
Minimum: 26.8
Maximum: 55175.3
Mean: 1387.8
Standard deviation: 3058.3

## 2.4.2 Farmer ID (s2q5_2)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-25

Valid cases: 4769
Invalid: 168
Minimum: 1
Maximum: 25
Mean: 8.5
Standard deviation: 6.9

## 2.5 Plot land use (s2q6)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 16
Decimals: 0
Range: 96-99

Valid cases: 4937
Invalid: 0

## 2.6 Nonagricultural Land Type (s2q7)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-7

Valid cases: 774
Invalid: 4163

## 2.6 Other Nonagricultural Land Type (s2q7_Other)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 20
Invalid: 0

## 2.9 Types of antierosion activities existing on this plot?(type1) (s2q9_1)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 28
Decimals: 0
Range: 1-10

Valid cases: 3243
Invalid: 1694

## 2.9 Types of antierosion activities existing on this plot?(type2) (s2q9_2)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 28
Decimals: 0
Range: 1-10

Valid cases: 915
Invalid: 4022

## 2.9 Types of antierosion activities existing on this plot?(type3) (s2q9_3)
## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 28
Decimals: 0
Range: 1-10

Valid cases: 79
Invalid: 4858

## 2.9_o Other types of antierosion activities existing on this plot (s2q9_o)

## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 0
Invalid: 0

## 2.12. Is this plot used for land consolidation activity in this season? (s2q12)

## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 2346
Invalid: 2591

## Final weight (weight_plot_final)

## File: rwa-sas-seasonC_Screening_Antierosion_land consolidation

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 1.01429113432899-28353.7941864271

Valid cases: 4937
Invalid: 0
Minimum: 1
Maximum: 28353.8
Mean: 701.3
Standard deviation: 1164.2

## Segment_ID (Segment_ID)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 112001-5706002

Valid cases: 12067
Invalid: 0
Minimum: 112001
Maximum: 5706002
Mean: 2049438.8
Standard deviation: 1870762.5

## 1.1 Province (s1q1)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-5

Valid cases: 12067
Invalid: 0

## 1.2 District (name and code) (s1q2)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 10
Decimals: 0
Range: 11-57

Valid cases: 12067
Invalid: 0

## (s1q3)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 32
Decimals: 0
Range: 0-40

Valid cases: 12067
Invalid: 0

## Segment number (s1q4)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-35

Valid cases: 5720
Invalid: 6347
Minimum: 1
Maximum: 35
Mean: 11.7
Standard deviation: 8.2

## Number of grids sampled (s1q7)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 9-25

Valid cases: 5720
Invalid: 6347

## 2.1 Plot number (s2q1)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-28

Valid cases: 12067
Invalid: 0
Minimum: 1
Maximum: 28
Mean: 5.9
Standard deviation: 6.2

## 2.2 Number of grid points that fall in this plot (s2q2)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-16

Valid cases: 5720
Invalid: 6347

## Grids (s2q3)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: character
Width: 25

Valid cases: 5720
Invalid: 0

## plot_area (s2q4)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 26.8-3783586

Valid cases: 12067
Invalid: 0
Minimum: 26.8
Maximum: 3783586
Mean: 28827.1
Standard deviation: 112834.2

## 2.4 plot size in hectares (s2q4_ha)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 0.00267999991774559-378.358612060547

Valid cases: 12067
Invalid: 0
Minimum: 0
Maximum: 378.4
Mean: 2.4
Standard deviation: 10.4

## 2.4.2 Farmer ID (s2q5_2)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-25

Valid cases: 5552
Invalid: 6515
Minimum: 1
Maximum: 25
Mean: 8.4
Standard deviation: 6.8

## 2.5 Plot land use (s2q6)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 16
Decimals: 0
Range: 96-99

Valid cases: 12067
Invalid: 0

## 2.6 Nonagricultural Land Type (s2q7)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 19
Decimals: 0
Range: 1-7

Valid cases: 774
Invalid: 11293

## 2.6 Other Nonagricultural Land Type (s2q7_Other)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 20
Invalid: 0

## 2.16 Cropping system (s2q17)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 14
Decimals: 0
Range: 1-2

Valid cases: 9518
Invalid: 2549

## 2.17 Number of main crops in the plot (s2q18)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 0-7

Valid cases: 12035
Invalid: 32

## 3.1 Crop name (s3q1)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 34
Decimals: 0
Range: 101-510

Valid cases: 9550
Invalid: 2517

## 3.1 Other Crop name (s3q1_o)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: character
Width: 60

Valid cases: 9
Invalid: 0

## 3.2.1 Crop proportion (in %) (s3q2_1)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 1-100

Valid cases: 9518
Invalid: 2549
Minimum: 1
Maximum: 100
Mean: 44.2
Standard deviation: 36.5

## 3.2.2 Crop proportion code (s3q2_2)
## File: rwa-sas-seasonC-Screening_crops

## 3.2.2 Crop proportion code (s3q2_2)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 0-9

Valid cases: 9518
Invalid: 2549

## 3.3.1 Crop density (in %) (s3q3_1)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 8
Decimals: 0
Range: 0-150

Valid cases: 9518
Invalid: 2549
Minimum: 0
Maximum: 150
Mean: 43.9
Standard deviation: 37.5

## 3.3.2 Crop Density code (s3q3_2)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 0-10

Valid cases: 9518
Invalid: 2549

## 3.5 Was this crop planted in this season? (s3q5)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 9518
Invalid: 2549

## 3.6 Will this crop be harvested in this season? (s3q6)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 8
Decimals: 0
Range: 1-2

Valid cases: 9518
Invalid: 2549

## 3.7 What is the expect period of harvesting ? (s3q7)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Discrete
Format: numeric
Width: 39
Decimals: 0
Range: 1-24

Valid cases: 3171
Invalid: 8896

## Final weight (weight_plot)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 10
Decimals: 0
Range: 1-28353.7941864271

Valid cases: 12067
Invalid: 0
Minimum: 1
Maximum: 28353.8
Mean: 319.9
Standard deviation: 834.9

## (Crop_Area)
## File: rwa-sas-seasonC-Screening_crops

**Overview**

Type: Continuous
Format: numeric
Width: 9
Decimals: 0
Range: 5.89000010222662e-05-321.604827880859

Valid cases: 9518
Invalid: 2549
Minimum: 0
Maximum: 321.6
Mean: 0.9
Standard deviation: 5.3

# Documentation

## Questionnaires

### SSF screening questionnaire 2022

| | |
|---|---|
| Title | SSF screening questionnaire 2022 |
| Author(s) | National Institute of Statistics of Rwanda |
| Date | 2022 |
| Country | Rwanda |
| Language | English |
| Publisher(s) | National Institute of Statistics of Rwanda |
| Filename | SSF screening questionnaire 2022.pdf |

### Plot Questionnaire 2022

| | |
|---|---|
| Title | Plot Questionnaire 2022 |
| Author(s) | National Institute of Statistics of Rwanda |
| Date | 2022 |
| Country | Rwanda |
| Language | English |
| Publisher(s) | National Institute of Statistics of Rwanda |
| Filename | Plot Questionnaire 2022.pdf |

## Reports

### SAS 2022_Annual Report

| | |
|---|---|
| Title | SAS 2022_Annual Report |
| Author(s) | National Institute of Statistics of Rwanda |
| Date | 2022 |
| Country | Rwanda |
| Language | English |
| Publisher(s) | National Institute of Statistics of Rwanda |

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