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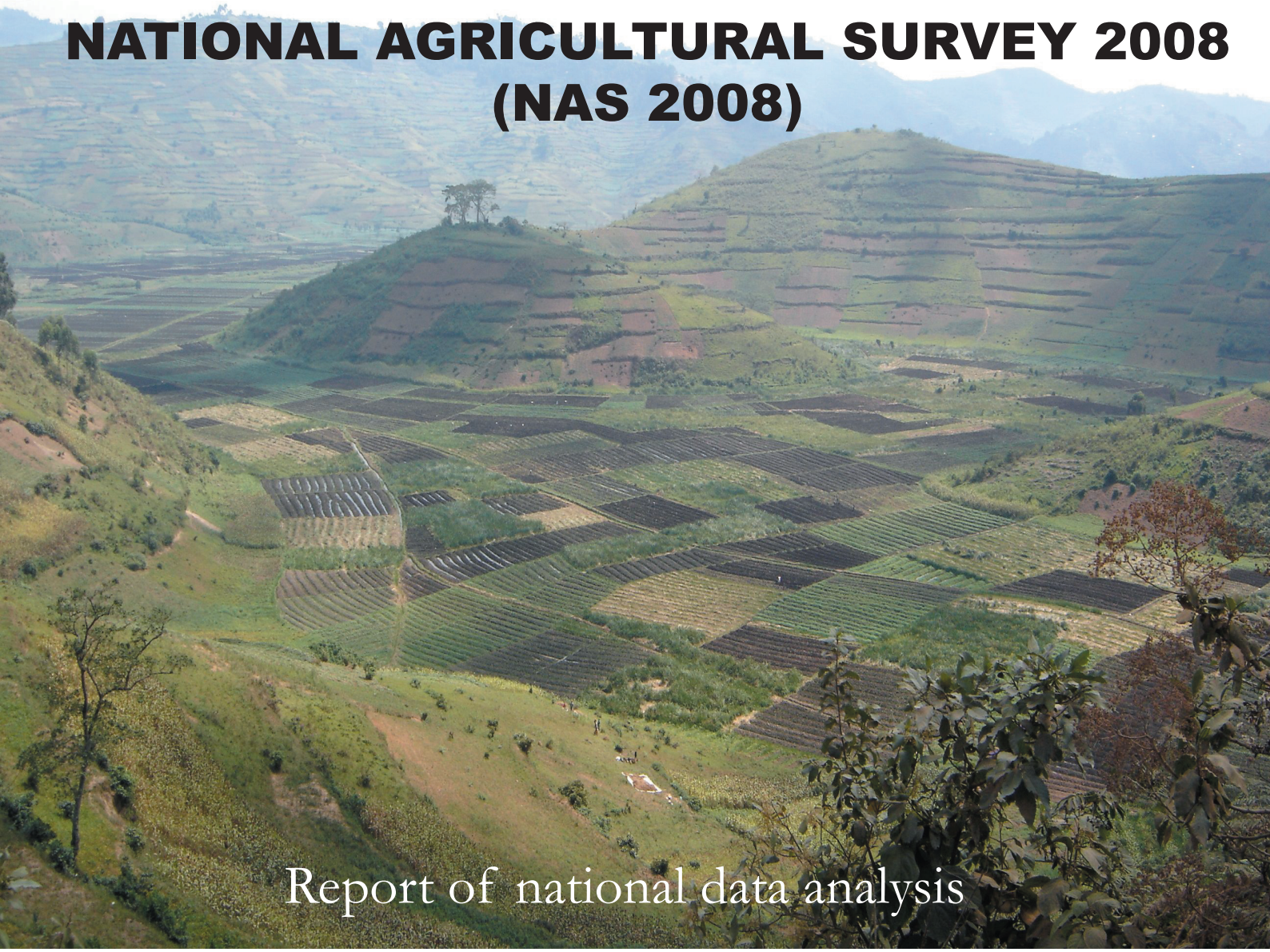
NATIONAL AGRICULTURAL SURVEY 2008 (NAS 2008)



Report of national data analysis

"If you don't count, you don't count"

February 2010

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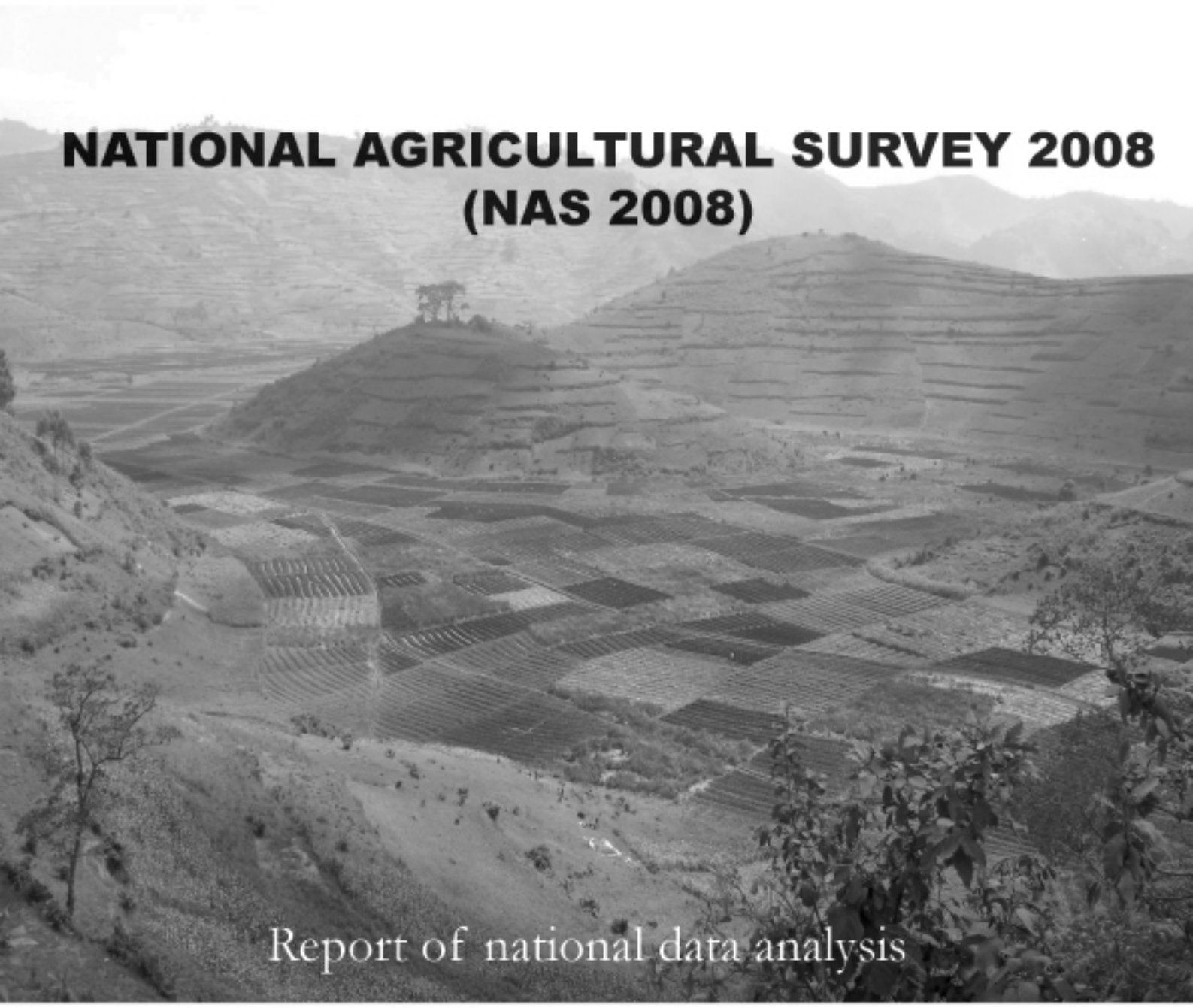

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FOREWORD AND ACKNOWLEDGMENT

The National Institute of Statistics of Rwanda is pleased to present the report of the National Agricultural Survey 2008 (NAS 2008) undertaken on Rwandan territory from September 2007 to August 2008 in collaboration with its partners and stakeholders in the field of Agricultural Statistics.

This report comes at the right point in time since Agriculture accounts for a third of Rwanda's GDP, constitutes the main economic activity for the rural households and remains their main source of income. In 2005/2006, the agricultural population was estimated to be 89.6% of the total population.

Secondly, the objective of The National Agriculture Policy (NAP), formulated by the Ministry of Agriculture and Animal Resources is to contribute in a sustainable manner to poverty reduction through increased and diversified households' incomes, and to support Rwanda's economic growth while ensuring food security for the entire population.

Lastly, the country's economic development and poverty reduction strategy (EDPRS) defines a large number of programs in the agriculture sector, these include; the intensification of sustainable production systems in crop cultivation and animal husbandry; building the technical and organizational capacity of farmers; promoting commodity chains and agribusiness, and strengthening the institutional framework of the sector at central and local level.

To support the decision-making, measure the impact of interventions in the rural sector, and allow the monitoring of the implementation of the NAP and EDPRS programs, the Rwandan Government and its development partners need up-to-date and reliable statistics on the agricultural sector. Along this line, it was necessary to collect information based on a post harvest agriculture survey to assess the current situation of the country with regards to the targets set by poverty reduction programs.

The NAS 2008 results shall therefore be utilized to support the monitoring and evaluation of the agricultural sector's performance regarding the EDPRS and Vision 2020 targets. Vision 2020 sets objectives for the growth rate of the agricultural section at 6% per annum, the agricultural production at 2200 kcal per person per day, an agricultural population of 50% of the total population and the use of fertilizers at 15 Kg per hectare per year. The EDPRS sets an objective of 100% of agricultural land protected against erosion and a proportion of rural households that own livestock at 85% for the 2012 horizon.

Provided that the decentralization policy adopted by the country recognizes the district as the primary planning and development entity, NISR is pleased to present for the first time to decision makers and other users, agricultural statistics that are disaggregated at the district level. The results herein obtained include a wealth of information on the situation observed in the two agricultural seasons of 2008 and will serve as a baseline to fine-tune appropriate strategies to promote the agricultural sector at the district level.

The NISR is highly indebted to the heads of households wherever the data collection was done. This work wouldn't have been a reality without the cooperation of the women and men who devoted their time to answer all the questions.

My profound gratitude goes also to the NISR teams and the consultants who conducted the survey design, field work implementation, data processing and analysis and to local authorities who supported the field work organization.

I would like finally to express my sincere thanks to the DFID, EC, FAO and WFP which provided support and funding for the study.

YUSUF MURANGWA

Acting Director General
National Institute of Statistics of Rwanda

ACRONYMS AND ABREVIATIONS

1. Cal/per/day: Calories per person and per day.
2. CSPro: Census and Survey Processing System.
3. DFID: Department for International Development
4. EAs: Enumeration Areas.
5. EC : European Community
6. EDPRS: Economic Development and Poverty Reduction Strategy
7. FAO: Food and Agriculture Organization of the United Nations.
8. Fat/per/day: Fats by person and per day.
9. GDP: Gros Domestic Product.
10. Grs: Grammes.
11. Ha: Hectare.
12. Kg: Kilogramme.
13. MDG: Millennium Development Goals
14. Min: Minutes.
15. MINAGRI: Ministry of Agriculture and Animal Resources.
16. NAP: National Agriculture Policy
17. NAS: National Agricultural Survey.
18. NISR: National Institute of Statistics of Rwanda.
19. OCIR: Office des Cultures Industrielles de Rwanda
20. PPS: Probability Proportional to Size.
21. Prot/per/day: Proteins per person and per day.
22. Prov.: Province.
23. PSU: Primary Sampling Unit.
24. RGPH: Recensement Général de la Population et de l'Habitat.
25. RWF: Rwandan Franc (currency).
26. SSU: Secondary Sampling Units.
27. WFP: World Food Program.

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CHAPTER 1 – EXECUTIVE SUMMARY

The 2008 National Agricultural Survey (NAS 2008) of Rwanda has been undertaken from September 2007 to August 2008 and covered the whole two agricultural seasons of the year 2008 (from September 2007 to February 2008 for the first season and from March to August 2008 for the second season). The NAS 2008 covered a sample of 10,080 agricultural households spread out in all 30 districts. The data obtained are therefore representative at that decentralized level of districts.

The analysis that has been done dealt with:

- Demographic and social characteristics of agricultural farmers;
- farms characteristics;
- Agricultural practices and crop production;
- Livestock practices and production;
- Fishery, aquaculture and beekeeping practices;
- Forestry practices and income;
- Food stocks and, nutrition.

These are the major themes presented in this report and in which the main results are summarized subsequently.

In 2008, heads of households of Rwandan agricultural farmers presented the following main demographic and social characteristics:

- They constituted 85% of the total heads of households of the country, of which 27% were female;
- They are relatively young as their average age is 44 years and the median between 35-44 years. However, female heads of households are relatively older than men; their average age is 51 years whilst it is 42 years for men;
- 45% of heads of households are illiterate (only 55% can read and write);
- Generally agriculture is the only activity for agriculture households. About 56% don't practice a secondary activity.

Agricultural population is generally characterized by the following elements:

- In 2008, Rwandan agricultural population accounted for 84% of the total Rwandan population, where majority (52% of the total) are women;
- An agricultural household is almost exclusively composed by the family blood members. Only 11% live in household without any parental relationship. On average, two agricultural households include only one person without any parental relationship with the head of household;
- The literacy rate of the agricultural population amounts to 64 %. On ten agricultural households, there are 8 illiterate persons;
- The average size of an agricultural household is 4,9 persons, half of whom constitute 'active persons';

- The main activity undertaken by the majority of the agricultural population consists of farm works to which the women contribute a lot: 42% of the active persons take charge of helping the agricultural families (77% of those are female) and 33% are farmers themselves. It is rare that there is accumulation of activities (as secondary activities), besides the undertaken main activity.

The characteristics of the Rwandan farms can be summarized as follows:

- Farmlands are fragmented plots of land. On average, a farm has only a surface of 0.76 Ha distributed on approximately 4 blocks of lands. Approximately 80% of farms have a surface that does not exceed 1 Ha each. Together, all the farms occupy 12,807 Km^2, thus representing half of the surface of the country;
- Most of the farms were acquired by inheritance, purchased or received as gift. Other modes of acquisition including sharecropping/rent, free usage, voluntary division (sharing), etc. constitute approximately 12% of the agricultural total area;
- 62% of the area of farms is equipped with anti-erosive devices;
- The quasi-totality of farms are on hills (82% of their area) and near houses (87% of their area are accessible within 30 minutes time);
- It is mostly pluvial traditional crops that are cultivated on the quasi-totality of farmlands (on more than 95% of the area of the farms), and using almost exclusively traditional techniques.

The following results concerning the agricultural practices were pulled by the ENA 2008:

- Rwanda grows a range of varieties of agricultural crops. The major ones are the following: maize and sorghum for cereals, sweet potatoes, cassava (soft and bitter), taro and potatoes for roots and tubers, beans and peas for pulses, Soya beans and groundnuts for oil crops, vegetables dodo, gourds, eggplants, onions and cabbages for vegetables, bananas (for cooking, beer and fruits) and avocadoes for fruits;
- Horticulture (vegetables, fruits and flowers) is also practiced by a certain number of farmers: 51% and 42% of the agricultural households in season A and B respectively;
- The use of improved seeds and pesticides/fungicides is still low. Every season, approximately 10% and 15% of the agricultural households use improved seeds and pesticides/fungicides respectively. On the other hand, fertilizers are relatively very popular. They are used, jointly or not, by 75% and 62% in season A and B respectively. The most popular are organic fertilizers (the fertilizer from the big and small ruminants as well as the compost): usage in 2008 rose from 38-41% during the first season and 23-33% in the following season. As regards chemical fertilizers, only 18% and 14% had access to them in season A and B respectively.
- The agricultural inputs which are most traded are traditional seeds (between 60-75% of agricultural households buy them every season), agricultural equipments (between 52-68% of the agricultural households buy them every season) and agricultural workforce (50-52% of households pay for it every season). Concerning the pesticide products, only between 20-26% of the agricultural households receive them every season. Only between 7-15% of agricultural households had to buy improved seeds and fertilizers (chemical and organic). Of all the expenses

for agricultural inputs, the cost of labor force was the heaviest on the portfolio of the farmers. This post, itself, represents 40% of all the cost of the agricultural inputs;

- The nutritional equivalent of the production of crop products of 2008 is estimated at 1942 Cal/per/day per, 49 Prot/per/day (in Grs) and 14 Fat/per/day per (in Grs). This production is dominated by of roots and tubers (45 % of total vegetal products), followed by fruits, vegetables and cereals, which respectively, contribute for 19.4%, 17.2% and 13.4% of all the calories from vegetal products. All other groups of products (oil crops, vegetables, sugar, stimulants and spices) represent only 5.2% of the total vegetal products.

From the analysis of the results on the practices of livestock, fishery and aquaculture and beekeeping, we note the following:

- 70% of the Rwandan agricultural households are at the same time breeders. The most practiced breeding technique is stalling (78% of the cases). Together with those who practice semi stalling, they constitute 88% of the cases. Most of the breeders (89%) possess cowsheds for their cattle;
- The composition of the herd of animals in Rwanda is varied. In 2008, Rwanda recorded 1,548,521 cattle, 1,736,211 goats, 323,003 sheep, 310,833 pigs, 1,026,440 chickens, 134,645 other poultry, 474,512 rabbits and 292,118 guinea pigs;
- The most favorable season for milk and eggs production is the season B. Indeed, the contribution of the production of cow milk and the hen eggs in season 2008B to the annual total production was 61% and 58% respectively;
- The aquaculture, fishery and beekeeping activities are not very developed in Rwanda. Very few agricultural households have fish ponds or engage in fishery activities. The level of annual total fish production is 3,100 tons. Likewise, only 4% of the farmers practice beekeeping with a total annual honey production of 3,500 tons.

For forestry practices, the following information is to be noted:

- In 2008, approximately 28% of the agricultural households had no trees on their farms. Nevertheless, agricultural household afforestations were their main source of firewood for cooking. Those who didn't have the latter were gleaning some firewood from the public forests or in the neighbor ones, bought it or relied on fragments of tree crops or leaves;
- Nevertheless, enthusiasm for the domestic reforestation is still needed. In 2008, only 23% and 12% of the agricultural households respectively planted new trees during the seasons A and B.
- The average income from forestry was about 6,800 FRW per forester. This came from the sale of timber for construction, charcoal, firewood and sawn wood.

Finally, the modules of the survey on food stocks and the nutrition of agricultural households provided the following indications;

- The most food items in stock are sorghum, dry beans and maize;

- On average, an adult Rwandan living in an agricultural household eats two meals a day and, generally, consumes his/her own products;
- The most popular meals comprise of beans (on average 5 times a week), vegetables, sweet potatoes and vegetables or animal oil (on average 3 times a week). Cassava, Irish potatoes and banana are also a relatively frequent consumption (on average twice a week);
- Nearly half of the agricultural households (47% and 28% during the seasons A and B respectively) declared to have experienced problems of food self-sufficiency (lack of enough food or damaged food), the main causes of which were: the drought/irregularity of rains, the unusual increase of prices, diseases, etc.;
- By the end of each season of 2008, respectively 28% and 41% of the agricultural households were still experiencing food self-sufficiency problems;
- The global level of nutritional equivalent of the domestic total agricultural production is dominated by vegetal products. In 2008, it rose to 1979 Cal/per/day, 50 Prot/per/day and 30 Fat/per/day. 98% and 2% of the calorific contributions are respectively from the vegetal and animal products.

CHAPTER 2 - INTRODUCTION

2.1. Survey framework

The agricultural sector employs nearly 80% of the working population and is characterized by low productivity and low economic value. Almost 90% of households in Rwanda practice a traditional subsistence agriculture which is mainly carried on narrow plots of land and exhausted by a continuous utilization.

The National Agricultural Survey 2008 (NAS 2008) was designed to provide a picture with reliable and updated agriculture sector figures, in order to serve as a baseline based on the facts and to set up development strategies that are most appropriate for the rural sector. This will steer progress towards the goals of Vision 2020, while having the fittest tools for measuring, monitoring and evaluation. Indeed in the context of Vision 2020 adopted by the highest authorities of the country, the transformation of agriculture is one of the pillars of that vision.

A firm commitment was made to:

- Promoting a high-productivity and market-oriented agriculture;
- Increasing productivity (yield); in 2020 subsistence farming will be replaced by a market-oriented agriculture;
- Promoting legal and institutional reforms to ensure the security of land tenure and its optimal use;
- Increasing the value of land capital;
- Investing in rural infrastructure;
- Promoting the use of high yield varieties and intensive use of fertilizers;
- Promoting the installation of agricultural processing facilities in order to create non-agricultural jobs.

To measure progress, a status report on the agricultural sector was needed. Along this line, the National Institute of Statistics of Rwanda, in collaboration with its conventional partners and with the support of donors, all concerned with development of Rwanda, conducted a nationwide agricultural survey which commenced in September 2007. This survey dealt with several activities of agriculture, livestock, forestry, horticulture and fisheries in more than ten thousand sample households over a period of 12 months covering the cycle of successive cropping seasons of the agricultural year 2008. The survey cost was estimated at around 3 billion RWF. The data obtained are disaggregated at the district level and provide a reference and unreported tool for a better knowledge on agriculture sector as it existed in that time period.

2.2. Justification of the comprehensive agricultural survey NAS 2008

As a result of the 1994 genocide, several lives were lost, some of the population was displaced while others were exiled. After these tragic events, and without accurate measurements either qualitative or quantitative, it was not possible to evaluate objectively the performance of the agricultural sector and to know the real contribution of agriculture to the economy. Evaluation of the weight of agriculture has

since been based on some annual agricultural production estimates using projections of an agricultural survey conducted in 1990. However, benchmarks of 1990 are now completely obsolete.

A variety of statistical data on agricultural sector is indispensable for an in depth analysis of the current structure of agriculture in Rwanda in order to define objectives, programs and projects, to monitor and evaluate the impact of these programs and projects.

To address these gaps in performance evaluation of the agricultural sector, the National Institute of Statistics of Rwanda alongside with other state services and key development partners agreed on the need to establish up to date and reliable agricultural statistics through a broad nationwide agricultural survey using a large sample size that will provide baseline data for evaluating performance of the agricultural sector in particular, and the entire national economy in general.
In the EDPRS, it is projected that by 2012, 100% of the farmland will be protected against erosion, the proportion of rural households with any type of livestock will increase to 85%. Such indicators cannot be measured, updated and their progress well known, without a comprehensive and well documented baseline.

It was therefore decided to organize a broad nationwide agricultural survey. The administration restructuring based on decentralization policy has influenced changes to the sample size and the areas of data analysis on agriculture. A solution had to be found for the problem of lack of reference agricultural statistics for planning district development as regards the agricultural sector. A large sample was selected including 10,080 agricultural sample households and an appropriate methodology was followed for further analysis of data at district level.

2.3. The objectives of the ENA 2008

- To provide robust agricultural statistics for evaluating the performance of the agricultural sector, economic development policies and strategies for poverty reduction;
- To provide districts with agricultural baseline data for planning of interventions in the agricultural sector;
- To respond to the strong demand for agricultural statistics such as:
    - Agricultural households (number per district and province);
    - Socio-demographic characteristics of the agricultural households (gender, age, marital status, literacy, education, economic activities);
    - Agricultural lands (size of blocks, fields and farms, location, time of access from the dwelling, acquisition mode of holding, typology of crop, cultivation methods, anti-erosion devices, location of fields) ;
    - Agricultural inputs (agricultural tools and equipment, use of manure and fertilizer, use of pesticides, use of ordinary and improved seeds);
    - Crop production (harvested quantity by crop, sold quantity by crop);
    - Livestock production: inventory of livestock (cattle, goats, pigs, sheep, poultry, rabbits, guinea pigs);

- The practice of breeding (stables, semi stall);
- Flow of animals (born on the farm, dead, etc.);
- Livestock products (milk, eggs, etc.);
- Practice and fishery products and aquaculture;
- Practice and apiculture products;
- Forest production (ownership of afforestations, trees, source of firewood, income from forest production);
- Practice of horticulture;
- Storage of major food crops;
- Food and nutrition (meal frequency, frequency of consumed food items, method of obtaining food, food security status).

CHAPTER 3- METHODOLOGY

3.1. Introduction

The data collection was conducted under the leadership of the Ministry of Agriculture, according to a sampling methodology with representativeness at the level of agro-climatic regions and "prefectures", dating back to 1983, when the last national agricultural survey was held. Since then, smaller agriculture surveys were conducted in successive years, with representativeness at the prefecture level.

These small surveys stopped in 1992 because of insecurity in the country. During the period of emergency that followed the genocide of 1994, it was imperative to roughly estimate the food availability and nutritional needs of the population in order to program food aid to supply in the short term. That is when the crop assessment campaigns started and this continues every season until today.

The agricultural production figures used so far are always provided by the crop assessment campaigns conducted shortly before the end of each growing season.
Several other surveys have been conducted on the rural sector but none has met the information needs either in terms of quality or in terms of representativeness. We can already cite surveys conducted between 1999 and 2002, by the Food Security Research Project (FRSP) using a representative sample of former prefectures, small farm surveys conducted in 2005 using a sample of 1,440 households and the 2006 which used a sample of 1,704 households

A broad-based survey was therefore necessary to ensure greater representativeness in space and time, observing a larger number of crops and providing a database to meet the agricultural statistics demand in the new context of decentralization, which enshrines districts as a starting point for development and planning. The introduction of new cash crops through horticultural activities deserves also to benefit from the monitoring provided by the survey. Hence this was the rationale of the National Agricultural Survey 2008 (NAS 2008).

3.2. Survey scope

The survey covers all rural areas of the country and some areas of Kigali city concerned by the agro-pastoral activities. The survey was conducted during the two agricultural seasons 2008A and 2008B which cover virtually the entire agricultural year. The same sample of households was visited during each growing season.
Since main users of agricultural statistics wished to have data at the level of districts, the following have been considered as key domain for NAS 2008.

3.3. Sampling of NAS 2008

3.3.1. Recent developments in the administrative structure of Rwanda

In 2002, Rwanda was divided into 11 provinces and Kigali City, 106 districts and 1545 Sectors. For purposes of the General Census of Population and Housing (GPHC/ RGPH) in 2002, each sector was divided into *Enumeration Areas* (EAs) with an average size of 227 households. Thus, Rwanda was

divided in 7727 EAs. These enumeration areas were well defined and identifiable on field, so that no EA overlapped on another.

In 2006, the number of decentralized administrative structures was revised downwards. The number of provinces was reduced to 5 (including Kigali City), the number of districts and sectors were reduced to 30 and 416 respectively.

3.3.2. Basic sampling units

The data for developing the sampling plan of the National Agricultural Survey 2008 come from the RGPH 2002 mapping and census results. The agricultural module that was administered to all households helped to identify agricultural households.

Information extracted from this module was used to develop a sample frame for the National Agricultural Survey. To select the primary sampling units (PSU), the number of agricultural households identified in RPGH 2002 was used as a measure of the size of the enumeration area (EA).

The unit of observation was the agricultural household. This was defined as the household where at least one member was engaged in any of the following; agricultural activities , livestock , fisheries , forestry or bee-keeping. A form for listing was used to identify this type of household. The unit of analysis was the holding of agricultural household. The agriculture sample frame consists of all agricultural households residing in the enumeration area.

3.3.3. Primary Sampling Unit (PSU)

At the first stage, the primary units of sampling (PSUs) constituted the sample frame of survey. The PSUs were geographical areas with clearly identifiable boundaries so that the listing of households was conducted by an enumerator during a fixed period of time. The sample EAs were drawn using probability proportional to size (PPS), the size of each PSU is the number of households. To ensure efficiency of the sample, it was expected to draw 840 EAs across the country.

3.3.4. Secondary Sampling Units (SSU)

The units that constitutes the frame in the second stage - in a two stage sampling - called Secondary Sampling Units (SSU) were formed by all agricultural households residing in the sample EA , from which a number of households were selected. The number of sample households by EA was determined such that the workload enabled the enumerator to complete the collection work on time. 12 agricultural households by EA were selected for data collection.

The selection was made so that all types of agricultural farmers, all types of crops and livestock and all cultures were represented in the sample.

3.3.5. The selection of sample households

After the selection of 840 primary units corresponding to the enumeration areas established during RGPH (2002) and using the principle of probabilities proportional to size, listing within sample EAs was done in order to establish the updated list of households residing in the EA. This operation led to identification of agricultural households. These lists of agricultural households helped for random selection of 15 agricultural households by EA with equal probability. Among these 15 households, 12 participated in interviews and 3 agricultural households served as replacements in case of failure or refusal to be surveyed by the other households.

3.3.6. The stratification of the NAS 2008

The first stage of stratification was at the district level in order to have the survey estimates at the district level. The districts of Kigali City (Nyarugenge, Gasabo, Kicukiro) were grouped into one stratum because of the small number of agricultural EAs in each district. Thus, at the first stage of stratification, there are 28 independent strata which corresponded to the domains of analysis: the City of Kigali and each of the 27 remaining districts.

Furthermore, Rwanda was divided into ten bio- climatic zones. Considering that the agricultural and livestock production was closely linked to bio climatic zones, implicit stratification following the "bio-climatic zones" increased the efficiency of sampling. Implicit stratification consisted of ordering the EAs in each stratum by the criterion of choosing before the selection of the PSU.

The bio-climatic zones are defined as follows:

(01) Cyangugu countryside
(02) Banks of Lake Kivu
(03) Cones and high volcanic planes
(04) Congo Nile Ridge
(05) Ridges and plateau bordering the Savanah of the east
(06) Buberuka Highlands
(07) Mayaga and Bugesera
(08) Plains of Bugesera
(09) Central Plateau
(10) Savannah of east and central Bugesera

Each agricultural EA was classified into one of the ten bio climatic zones. The analysis of agricultural sample frame showed that most districts (19) had two bio climatic zones, 6 districts had three bio climatic zones, 2 districts (Musanze and Nyamasheke) had 4 zones and 3 districts were in a single agro climatic zone.

3.3.7. Sample size and precision of estimates

The desired size for the sample was determined by taking into account several factors, including the three main ones; the degree of reliability expected of survey estimates, cost and and the efficiency of the sample. However, the precision of estimates from the survey depended on the effective control of sampling and non-sampling errors. In consideration of financial and operational constraints, and in order to have reliable estimates at district level, it was suggested to select 840 EAs at the first stage. This proposed sample was divided into 4 sub-samples of 210 EAs for each in preparation of subsequent light surveys (including the Survey of post harvest crop production, etc..) and according to resources that could be mobilized.

In the second stage, 12 households were selected in each sample EA. For the National Agricultural Survey 2008, there were a total of 10,080 sample households.

Sample distribution

Table 3.3.1. Distribution of the agricultural base and distribution of sample EAs per district

District	Number of EA**s**	Total agricultural households	% Agricultural households	Prorate	Adjustment of the number of EA**s**
VK (Gasabo, Kicukiro, Nyarugenge)	214	45800	3.0%	25	**28**
BUGESERA	230	56329	3.6%	31	**32**
BURERA	300	66683	4.3%	36	**32**
GAKENKE	328	71290	4.6%	39	**36**
GATSIBO	259	61027	3.9%	33	**32**
GICUMBI	331	69739	4.5%	38	**36**
GISAGARA	250	60630	3.9%	33	**32**
HUYE	227	51608	3.3%	28	**28**
KAMONYI	244	53431	3.4%	29	**28**
KARONGI	260	54103	3.5%	29	**28**
KAYONZA	202	45864	3.0%	25	**28**
KIREHE	207	50375	3.2%	27	**28**
MUHANGA	263	54454	3.5%	29	**28**
MUSANZE	265	58375	3.8%	32	**32**
NGOMA	221	51209	3.3%	28	**28**
NGORORERO	277	63653	4.1%	34	**32**
NYABIHU	246	55738	3.6%	30	**32**
NYAGATARE	238	51464	3.3%	28	**28**
NYAMAGABE	279	58342	3.8%	32	**32**
NYAMASHEKE	343	63715	4.1%	35	**32**
NYANZA	203	47849	3.1%	26	**28**
NYARUGURU	236	49586	3.2%	27	**28**
RUBAVU	212	47008	3.0%	25	**28**
RUHANGO	233	52425	3.4%	28	**28**
RULINDO	237	53452	3.4%	29	**28**
RUSIZI	299	59054	3.8%	32	**32**
RUTSIRO	268	55112	3.6%	30	**28**
RWAMAGANA	196	42583	2.7%	23	**28**
Total	7068	1550898	100.0%	840	**840**

Proportional distribution was adjusted in order to obtain a minimum of 28 EAs and a maximum of 36 EAs. The number of EAs was rounded to a multiple of 4 for identifying 4 sub samples for subsequent surveys according to budget availability.

Table 3.3.2. Distribution of sample ZDs and agricultural households for NAS and for a sub sample of 25%

District	NAS Sample		25% of NAS sample	
	Number of Sample EAs	Number of sample households	Number of Sample EAs	Number of sample households
VILLE DE KIGALI (Gasabo, Kicukiro, Nyarugenge)	28	336	7	84
BUGESERA	32	384	8	96
BURERA	32	384	8	96
GAKENKE	36	432	9	108
GATSIBO	32	384	8	96
GICUMBI	36	432	9	108
GISAGARA	32	384	8	96
HUYE	28	336	7	84
KAMONYI	28	336	7	84
KARONGI	28	336	7	84
KAYONZA	28	336	7	84
KIREHE	28	336	7	84
MUHANGA	28	336	7	84
MUSANZE	32	384	8	96
NGOMA	28	336	7	84
NGORORERO	32	384	8	96
NYABIHU	32	384	8	96
NYAGATARE	28	336	7	84
NYAMAGABE	32	384	8	96
NYAMASHEKE	32	384	8	96
NYANZA	28	336	7	84
NYARUGURU	28	336	7	84
RUBAVU	28	336	7	84
RUHANGO	28	336	7	84
RULINDO	28	336	7	84
RUSIZI	32	384	8	96
RUTSIRO	28	336	7	84
RWAMAGANA	28	336	7	84
TOTAL	840	10080	210	2520

3.4. Weighting procedures

To make sample estimates from the Agricultural Surveys representative for all agricultural households of the country, it was necessary to multiply the data by a sampling weight, or expansion factor. The basic weight for each sample agricultural household was equal to the inverse of its probability of selection. This probability was obtained by multiplying the probabilities at each stage of selection.

$$p_{hi} = \frac{z_h \times M_{hi}}{M_h} \times \frac{m_{hi}}{M'_{hi}},$$

where:

p_{hj} = probability of selection for the sample agricultural households in the i^{th} sample EA in stratum h
z_h = number of sample EAs in stratum h

M_h = total number of agricultural households in the frame (based on RGPH 2002 / Rwanda Census) for stratum h
M_{hi} = total number of agricultural households in the frame for the i^{th} sample EA in stratum h
m_{hi} = 12 = number of sample agricultural households selected in the i^{th} sample EA in stratum h
M'_{hi} = total number of agricultural households listed in the i^{th} sample EA in stratum h

The basic sampling weight, or expansion factor, was calculated as the inverse of this probability of selection.

$$W_{hi} = \frac{M_h \times M'_{hi}}{z_h \times M_{hi} \times m_{hi}},$$

where:

W_{hi} = basic weight for the sample agricultural households in the i^{th} sample EA in stratum h
m_{hi} = 12 = number of sample agricultural households originally planned to be selected in the i^{th} sample EA in stratum h

To take into account the noninterview rate during data collection, expansion factor is adjusted as follows:

$$W'_{hi} = W_{hi} \times \frac{m_{hi}}{m'_{hi}},$$

where:

W'_{hi} = final weight of sample household in the i^{th} sample EA in stratum h;
m_{hi} = 12 = number of sample agricultural households originally planned to be selected in the i^{th} sample EA in stratum h
m'_{hi} = total number of actually interviewed sample households in the i^{th} sample EA in stratum h

3.5. Data collection

The data collection was done using questionnaire sheets which were filled by enumerators according to a harmonized calendar in all selected EAs. Each enumerator had to work in two EAs and visit 12 households per EA, i.e 24 households per enumerator. Through the questionnaire sheets, it was possible to collect a large quantity of figures that made it possible to measure several indicators related to farming and livestock breeding within sample households. To fill questionnaire sheets, it was necessary to visit each sample households several times. The questionnaire sheets used are presented in Annex 2.

In addition to the collection sheets in the NAS 2008, the concern of measurement of accuracy was satisfied through the distribution to enumerators and heads of households standard measurement equipments. This was done in order to break the tradition of approximation of quantities and distances as used in previous surveys. Thus, each enumerator was equipped with a measuring tape to get data regarding the dimensions of fields and farms, a spring balance to measure the weights of harvested crops and a calculator. Each household received a bucket calibrated in liters to measure liquid products, a spring balance and a sack to measure the weight of solid products and a pencil to record the amounts collected regularly on an appropriate register.

Regarding supervision of data collection, a statistician appointed in each district by NISR assumed the role of coordinator of field activities. For this, all the statisticians received transport facilitation from NISR with a vehicle for monitoring during at least 7 days per month per district. District statisticians and survey controllers at district level also received monthly telephone cards worth 20,000 RWF in order to maintain contact with field workers.
The enumerators had previously received in the beginning of agricultural season, a calendar for filling questionnaires sheets. At specific times, under the guidance of the survey management team, the enumerators proceeded to rally district by district, to deliver and check the filled questionnaires.

At national level, a supervision team carried out missions to intervene on the ground and to solve any problems of discipline and disorganization.

The collection staff on site was composed of:

- 428 enumerators working in the districts (14 to 18 per district);
- 56 controllers ie 2 controllers by District / stratum.

3.6. Data processing

3.6.1. Data Entry

Upon the closing of fieldwork of season 2008A, a large volume of data was available for entry. This required a consistent supply and a significant number of staff input to recruit and employ. Unfortunately, organizational and financial difficulties arose and led to a late start of data entry.

For data entry operations, a computer program was developed using a CSPro statistical software application with a questionnaire on each sheet. A training session was organized on this data entry program and on the nature and extent of work to do. In total, this operation mobilized 184 data entry clerks, 10 controllers, 3 checkers, 3 supervisors of coding and 92 computers. A first team of data entry clerks, controllers and checkers worked in the morning and was be relayed by a second team to work in the evening.

Data entry was done in two steps:

a) Data entry of the 2008A season: from June to July 2008

The preparation of this step consisted of checking completed forms and returning to site in case of improperly completed sheets, for correction. From 23/06/08 to 12/07/08, three field supervisors skilled in surveys conducted a mission at the headquarters of the NISR in order to help in organizing, supervising and coaching data entry clerks. They played the role of controllers and checkers of coding during the data entry period.

b) Data entry of the 2008B season: from September to November 2008

As it was not possible to return to field records improperly completed during the 2008B season at the end of the field work, special instruction was given to field workers to undertake collectively a verification and correction of errors in questionnaires before delivering them to the headquarters of NISR. This instruction was observed by all fieldworkers. Subsequently, the data entry was done with the support of the same controllers and checkers of coding.

3.6.2. Data cleaning and processing

A computer statistician consultant[1] was recruited for the cleaning work and data processing for NAS 2008. The methodology followed in cleaning and processing the data is contained in the document «*Plan méthodologique pour l'apurement et le traitement des données*» formulated by the consultant. The consultant had to monitor compliance with the codification of collection sheets and make the necessary corrections.

[1] Mr. Jean-Marie Vianney Sehene

3.7. Data analysis

An international consultant has been recruited to carry out the analysis of the NAS 2008[2]. The analysis covered the demographic and social characteristics of agricultural farmers, farms characteristics, agricultural practices and crop production, livestock practices and production, fishery, aquaculture and beekeeping practices, forestry practices and income, as well as food stocks and nutrition of agricultural households. At this end, the following steps were followed:

3.7.1. Consultation of documents and technical and methodological survey reports

The first task was the reading of all technical and methodological survey reports and with the members of NISR technical team who were in charge of the design and the implementation of the survey. That step was very important as it allowed better understanding of how and why the survey was designed, planned and implemented; it was also an opportunity to understand possible problems that may have occurred. This therefore helped for the right evaluation of the resulting data quality.

The reading also covered reports and documents containing information on agricultural development policy prevailing in Rwanda. Indeed, chosen survey modules were targeting to provide benchmark data in order to help decision making vis-à-vis the required strategy in the framework of the national agricultural policy. Hence, it is through the analysis of data obtained in regards of the objectives of that policy that the data analysis has been conducted.

3.7.2. Consultations with partners

In order to achieve a good understanding of the way the survey was designed and conducted, consultations with concerned partners were undertaken. In addition to concerned NISR technical staff with whom permanent discussions were maintained, the consultations also included other key data producers and users in Rwanda as well as survey field staff. In this way, everybody contributed to the improvement of the data analysis exercise. The final outcome is therefore considered as a team work output. At the same time, it responded to the expectation of users.

To this end, the preliminary results of the survey were shared and discussed together with key required partners (through a technical meeting organized for this purpose). Observations raised from that meeting were considered for the revision and finalization of data tabulation. It is at that point that the actual data analysis was initiated.

[2] Mr. Vincent Ngendakumana

3.7.3. Verification of the preliminary results of the 2009 NAS of Rwanda

It was important to proceed with an in-depth verification of the preliminary survey results for the following main reasons. Firstly, in order to ensure that any needed information was produced in the required format; secondly, to ensure that the data produced was reliable, consistent and coherent; and lastly, in order to make possible data corrections and/or adjustments (with the help of the computer specialist recruited for data cleaning and processing). Particular attention was paid to the right use and respect of standard and international related concepts, definitions and classification of agricultural products.

3.7.4. Collection and compilation of agricultural routine data

Frequently, 2008 NAS results were compared to other preexisting routine data (according to their availability and reliability). For that reason, it was important to proceed first with routine data compilation from surveys conducted in the past by other partners (especially agricultural production, yield and area, and livestock numbers and production MINAGRI). A relevant format for the compilation of data was used. The obtained data was used as baseline in order to evaluate the reliability of NAS results. In this way, some data, like those on cash crops (coffee and tea) traditionally produced by their respective systems (OCIR-Café and OCIR-Thé), revealed themselves to be well in line with those from of the NAS 2008. Discrepancies observed at the level of other data from other sources was explained mainly by gap and weaknesses noticed with methodological approaches used. Therefore, this cannot make questionable, the reliability of the NAS 2008 results published herein.

On the other hand, usage of other parameters (like the technical conversion factors, nutritional factors) for the generation of supplementary data allowed better appreciation of the relevancy of NAS 2008 results. It is by doing so that the conversion of the agricultural productions in nutritional equivalent allowed the conclusion that they were well of a very reasonable level and that they deserved to be accorded acceptable accuracy.

3.7.5. Analysis of the NAS 2008 results and preparation of the report of analyzed results

The themes of analysis of the results were previously agreed upon and were based on the questionnaire's modules. Prior to the analysis work, a detailed plan of the report was established and agreed upon and the contents of different chapters and sections of the report were thereafter elaborated.

The analysis was done after the data was extensively verified and approved. The analysis work consisted of explaining (in simple and relevant terms) and pointing out prominent facts emerging from the survey results. A geographical comparative analysis was made at district and provincial levels of the country. Whenever needed and possible, the data analysis was supported by graphic and/or cartographic representation of important phenomena. For some particular cases, and as mentioned in the section 3.7.4, one had to resort to supplementary information in order to generate specific additional indicators.

It has to be noted here that data on crop yield (as obtained from the NAS 2008) proved to be unreliable. This lack of reliability was explained by the fact that a sample of only two holdings by EA was considered for the choice of crop-cutting plots. As a result, the option of not publishing that data was therefore taken.

CHAPTER 4 – ANALYSIS OF MAIN SURVEY RESULTS

4.1. Demographic and social characteristics of agricultural householders and population

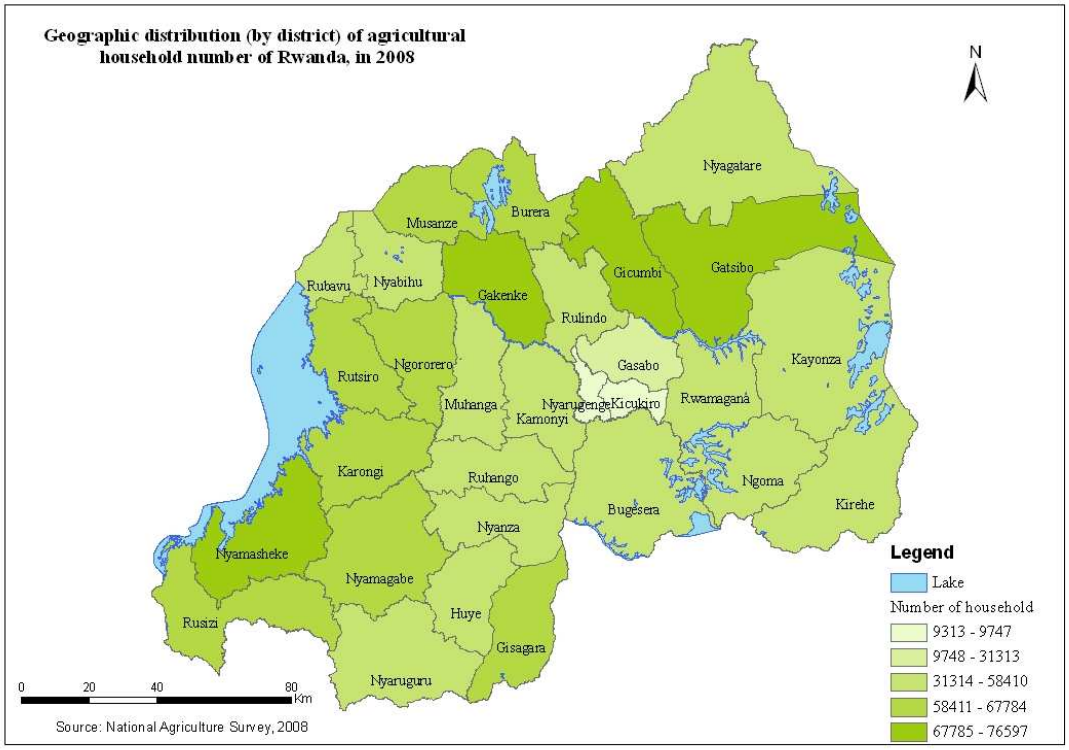
4.1.1. Characteristics of heads of agricultural households

a) 85% of Rwandan heads of households are agricultural farmers, of which 27% are female.

From the agricultural survey conducted in 2008, it was revealed that, Rwanda counted 1,674,687 agricultural households at the time, accounting for 85% of the total number oh household of the country[3].

The male heads of agricultural households represented 73% of the national total, while female were 27%. Those proportions are steady at the level of provinces and districts. In some districts like Gasabo, Nyanza, Gisagara, Nyaruguru, Huye, Rubavu et Rwamagana, the proportion of female heads of households was even above the level of 30%. The level of female heads of households which is relatively high is explained by the fact that many women became widows as a result of the genocide of 1994 (see map 4.1.1 and 4.1.2, table 4.1.1 and chart 4.1.1. below as well as the table A.4.1.1. in annex). This is also confirmed by the table 4.1.2 which deals with the matrimonial status of the head of household. It can be observed from the table that the category of widowers heads of households comes in the second position (after the one of legally married) and represents about 20%, almost all of them being constituted by women.

Map 4.1.1. Geographic distribution (by district) of agricultural household number of Rwanda, in 2008.



[3] It is estimated that, in 2008, the country counted 9,831,501 persons, with an average of 5 persons per household.

Map 4.1.2. Proportion of heads of agricultural households by district and sex in 2008

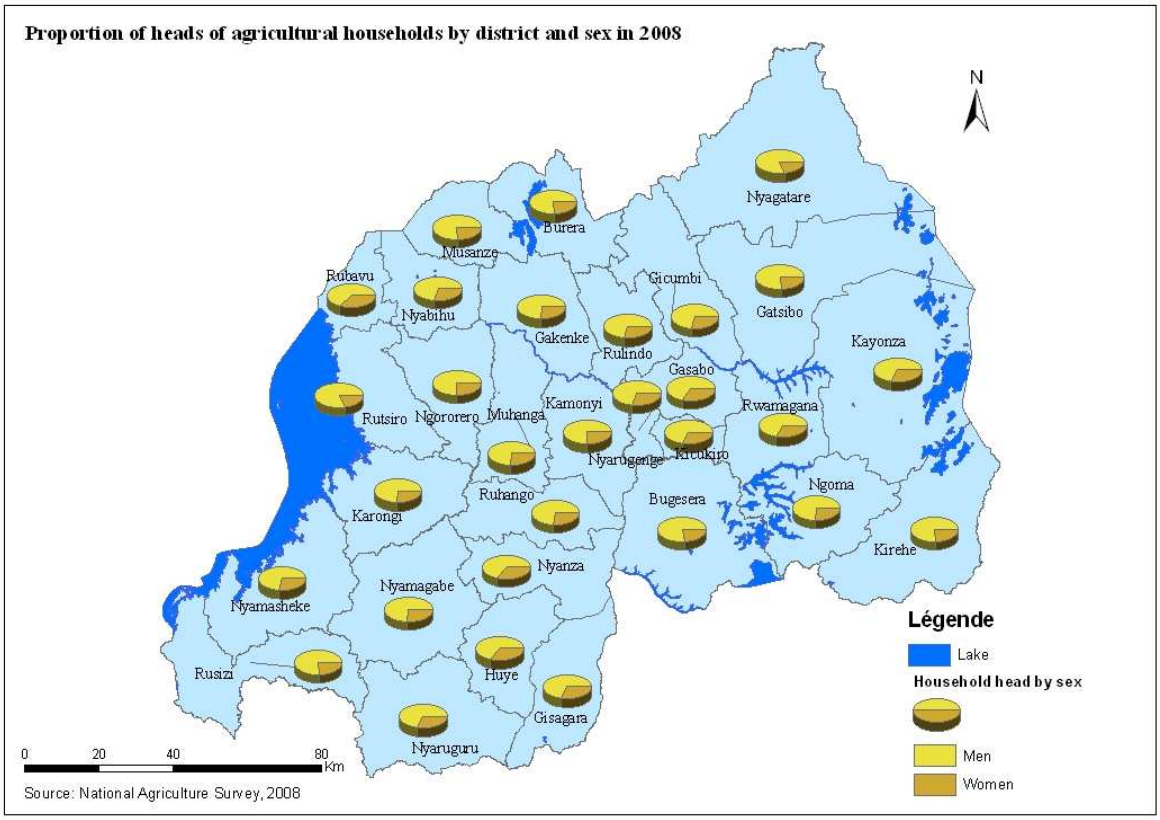


Table 4.1.1. Distribution of agricultural households by provinces and the sex of the head of the household

Provinces	**Sex of the head of the household**					
	Male		Female		Total	
Kigali City	34 483	68.5%	15 890	31.5%	50 373	100%
South	327 344	70.9%	134 367	29.1%	461 711	100%
West	320 272	73.4%	116 239	26,6%	436 512	100%
North	242 594	74.1%	84 656	25.9%	327 250	100%
East	297 407	74.6%	101 435	25.4%	398 841	100%
Total	**1 222 100**	**73.0%**	**452 588**	**27.0%**	**1 674 687**	**100%**

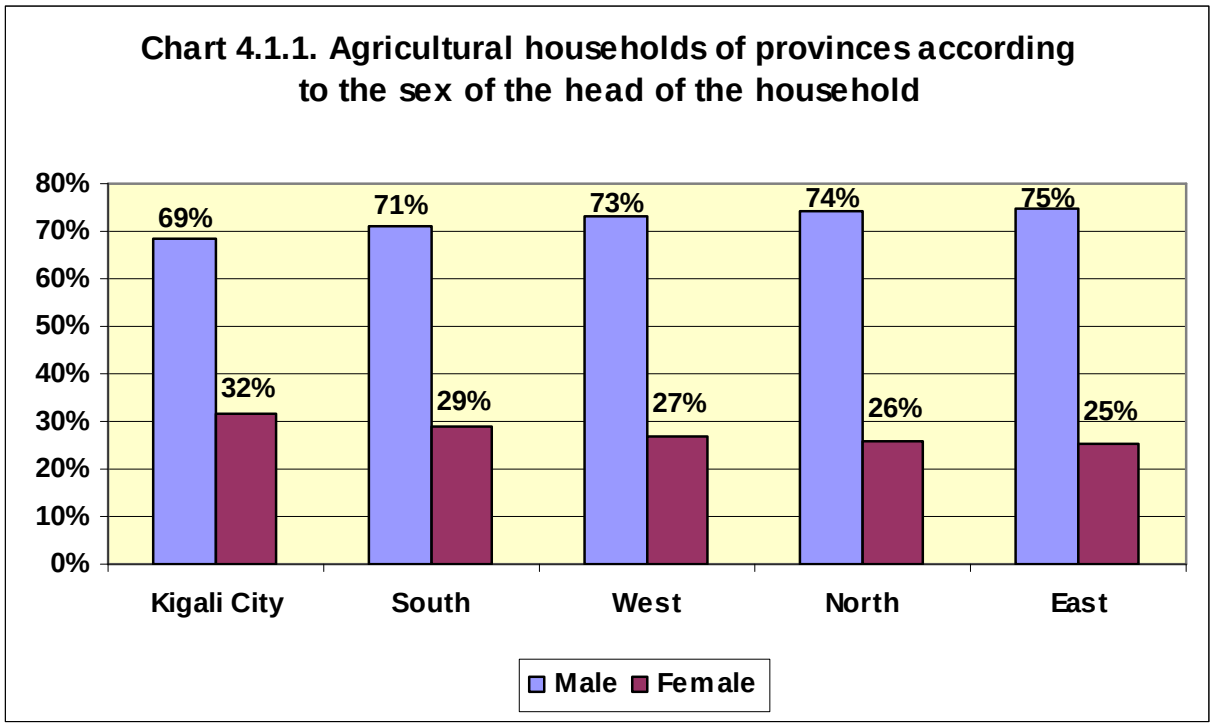


Table 4.1.2. Distribution of agricultural households by matrimonial status and the sex of the head of the household

Matrimonial status	Sex of the head of household					
	Male		Female		Total	
Unmarried	51 254	4.2%	29 834	6.6%	81 088	4.8%
Married (legally)	873 055	71.4%	37 712	8.3%	910 768	54.4%
Cohabitation (not legal)	243 245	19.9%	48 816	10.8%	292 061	17.4%
Divorced (legally)	1 584	0.1%	4 922	1.1%	6 506	0.4%
Widow	40 581	3.3%	303 961	67.2%	344 542	20.6%
Separated (illegally)	12 380	1.0%	27 343	6.0%	39 723	2.4%
Total	**1 222 100**	**100.0%**	**452 588**	**100.0%**	**1 674 687**	**100.0%**

b) The heads of agricultural households are relatively young in Rwanda.

This survey also revealed that the heads of Rwandan agricultural households are relatively young. Their average age is about 44 years. Among them, more than 75% are less than 54 years old, while the age median is situated between 35-44 years (see table 4.1.3 and chart 4.1.2 below). Besides, female heads of households are relatively older than men. Indeed, their average age is 51 years whilst it is 42 years for men (see table 4.1.4 and chart 4.1.3). These facts are also noticed at provinces and districts level of the country (see table A.4.1.2 in annex).

Table 4.1.3. Distribution of agricultural households by age and the sex of the head of the household

Age of head of household	Sex of head of household						Total		
	Male			Female					
	Number	% Column	% Line	Number	% Column	% Line	Number	% Column	% Line
< 25 years	103 801	8.5%	87.8%	14 476	3.2%	12.2%	118 276	7.1%	100%
25 - 34	351 009	28.7%	87.3%	50 886	11.2%	12.7%	401 895	24.0%	100%
35 - 44	283 617	23.2%	74.5%	97 143	21.5%	25.5%	380 760	22.7%	100%
45 - 54	243 558	19.9%	67.2%	118 967	26.3%	32.8%	362 524	21.6%	100%
55 - 64	128 555	10.5%	60.6%	83 746	18.5%	39.4%	212 301	12.7%	100%
>=65 years	111 561	9.1%	56.1%	87 370	19.3%	43.9%	198 931	11.9%	100%
Total	**1 222 100**	**100.0%**	**73.0%**	**452 588**	**100.0%**	**27.0%**	**1 674 687**	**100.0%**	**100%**

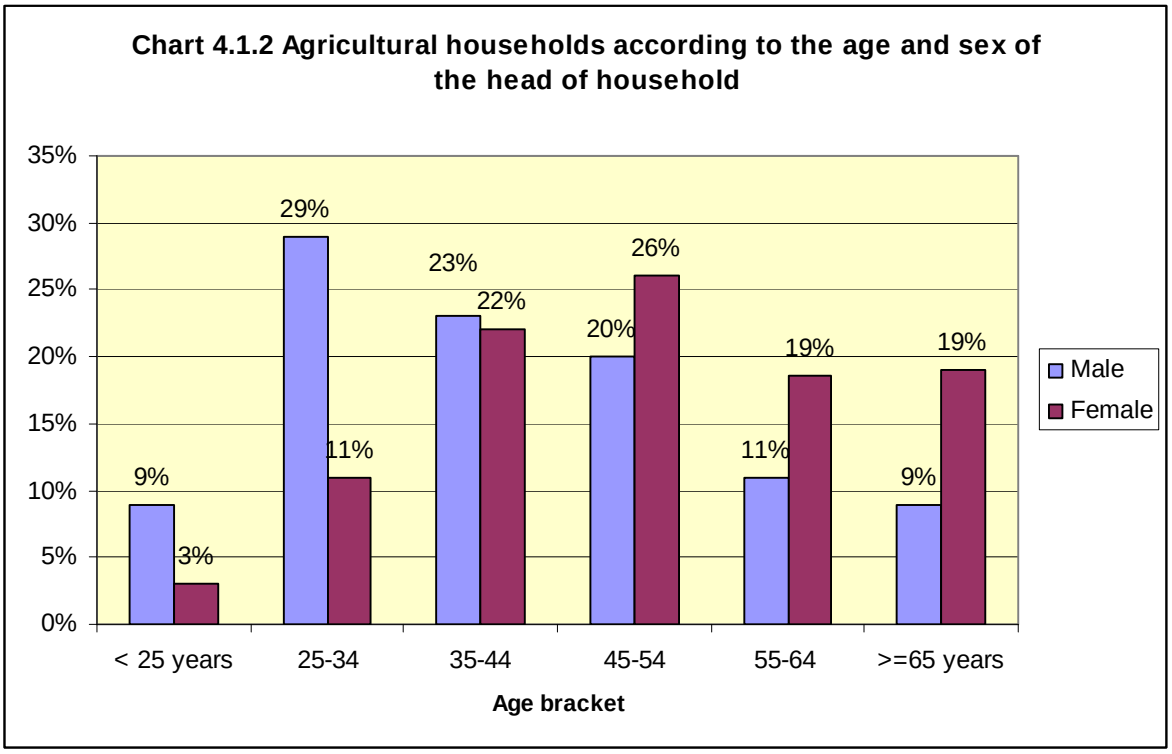
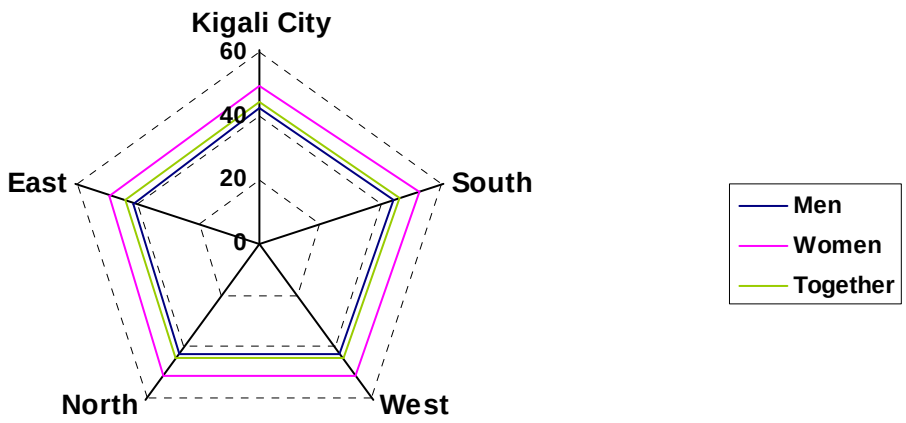


Table 4.1.4. Average of the age of the head of the agricultural household by province and sex

Provinces	**Average age of heads of households**		
	Men	Women	All together
Kigali City	42	49	44
South	43	52	46
West	42	51	44
North	42	50	44
East	41	49	43
Total	**42**	**51**	**44**

Chart 4.1.3. Average age of the head of the household by province and sex



c) The literacy rate of heads of agricultural households is still low in Rwanda.

During the year of the survey, the rate of literacy of head of agricultural household was estimated at about 55% (those who could read and write); the illiterate and those who were able to read only were 37.8% and 7.4% respectively (see table 4.1.5 and chart 4.1.4 below). This is true since those who had never been at school rose to 32.8%; to the former, it has to be added those who stopped their studies just at the beginning of the primary school (see table 4.1.6).

Table 4.1.5. Distribution of agricultural households by the level of literacy and the sex of the head of the household

Level of literacy	Sex of the head of the household					
	Male		Female		Total	
Cannot read nor write	350 742	28.7%	282 606	62.4%	633 348	37.8%
Can read only	90 326	7.4%	34 114	7.5%	124 440	7.4%
Can read & write	781 031	63.9%	135 868	30.0%	916 899	54.8%
Total	**1 222 100**	**100.0%**	**452 588**	**100.0%**	**1 674 687**	**100.0%**

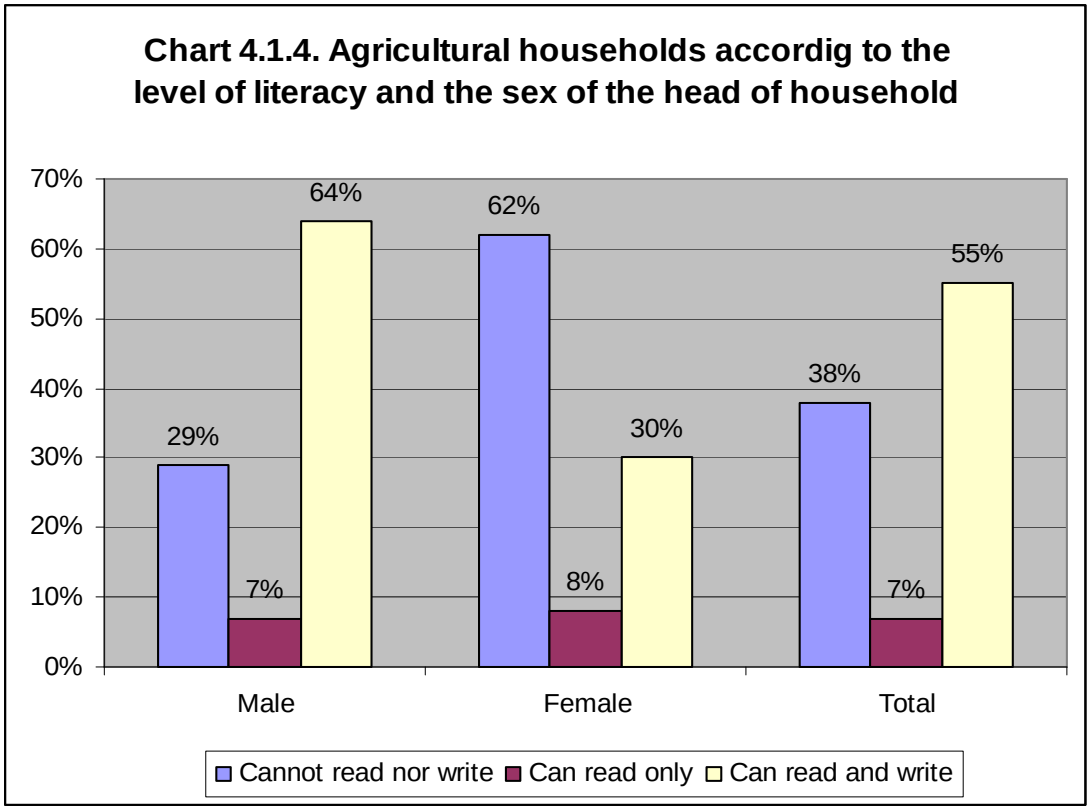


Table 4.1.6. Distribution of agricultural households by the level of education and the sex of the head of the household

Level of education of the head of household	Sex of the head of household					
	Male		Female		Together	
Have never been at school	294 359	24.1%	255 685	56.5%	550 044	**32.8%**
Incomplete primary school	466 426	38.2%	114 555	25.3%	580 981	**34.7%**
Complete primary school	346 803	28.4%	64 140	14.2%	410 943	**24.5%**
Post-primary school	46 251	3.8%	10 650	2.4%	56 901	**3.4%**
Incomplete secondary school	41 859	3.4%	4 595	1.0%	46 455	**2.8%**
Complete secondary school	18 016	1.5%	2 779	0.6%	20 796	**1.2%**
Incomplete university/high school	5 117	0.4%	183	0.0%	5 300	**0.3%**
Complete university/high school	3 269	0.3%	0	0.0%	3 269	**0.2%**
Total	**1 222 100**	**100.0%**	**452 588**	**100,0%**	**1 674 687**	**100.0%**

d) Secondary activities are rarely practiced by the heads of Rwandan agricultural households.

The table 4.1.7 below shows that, outside the farming activities, the heads of agricultural households rarely practiced other secondary activities. Indeed, 56.3% of them declared not to undertake any secondary activity. The rare activities, in addition to the main one which is farming, are the following: agricultural manpower (7.9%), independent craftsman (5.5%), non-agricultural manpower (3,9%), house help (3,9%), etc.

Table 4.1.7. Distribution of agricultural households by activity and sex of the head of the household

Main activity	Sex of the head of household					
	Male		Female		Total	
Farming activity	1 083 356	88.6%	430 450	95.1%	1 513 806	90.4%
Agricultural family help	9 385	0.8%	3 998	0.9%	13 383	0.8%
Non-agricultural family help	2 186	0.2%	128	0.0%	2 314	0.1%
Agricultural employee	3 763	0.3%	1 359	0.3%	5 122	0.3%
Agricultural manpower	10 579	0.9%	5 003	1.1%	15 583	0.9%
Non-agricultural manpower	10 907	0.9%	0	0.0%	10 907	0.7%
Independent craftsman	23 482	1.9%	467	0.1%	23 949	1.4%
Craftsman employee	18 401	1.5%	875	0.2%	19 276	1.2%
Merchant	12 357	1.0%	1 364	0.3%	13 720	0.8%
Official	8 200	0.7%	1 471	0.3%	9 670	0.6%
Student	11 015	0.9%	1 972	0.4%	12 987	0.8%
House help	0	0.0%	901	0.2%	901	0.1%
Other activities	16 910	1.4%	1 182	0.3%	18 092	1.1%
Without activity	11 559	0.9%	3 418	0.8%	14 978	0.9%
Total	**1 222 100**	**100.0%**	**452 588**	**100.0%**	**1 674 687**	**100.0%**
Secondary activity	Male		Female		Total	
Farming activity	49 573	4.1%	7 974	1.8%	57 546	3.4%
Agricultural family help	26 122	2.1%	1 915	0.4%	28 037	1.7%
Non-agricultural family help	35 194	2.9%	6 023	1.3%	41 217	2.5%
Agricultural employee	13 520	1.1%	4 833	1.1%	18 353	1.1%
Agricultural manpower	84 719	6.9%	47 357	10.5%	132 076	7.9%
Non-agricultural manpower	62 218	5.1%	3 223	0.7%	65 441	3.9%
Independent craftsman	82 145	6.7%	9 948	2.2%	92 093	5.5%
Craftsman employee	24 110	2.0%	272	0.1%	24 381	1.5%
Merchant	85 129	7.0%	14 177	3.1%	99 306	5.9%
Official	2 377	0.2%	160	0.0%	2 536	0.2%
House help	7 649	0.6%	57 883	12.8%	65 532	3.9%
Other activities	89 382	7.3%	15 641	3.5%	105 023	6.3%
Without activity	659 962	54.0%	283 182	62.6%	943 144	56.3%
Total	**1 222 100**	**100.0%**	**452 588**	**100.0%**	**1 674 687**	**100.0%**

4.1.2. Characteristics of Rwandan agricultural population

a) The agricultural population counted 84% compared to the total Rwandan population (in 2008), with a relatively important part of women.

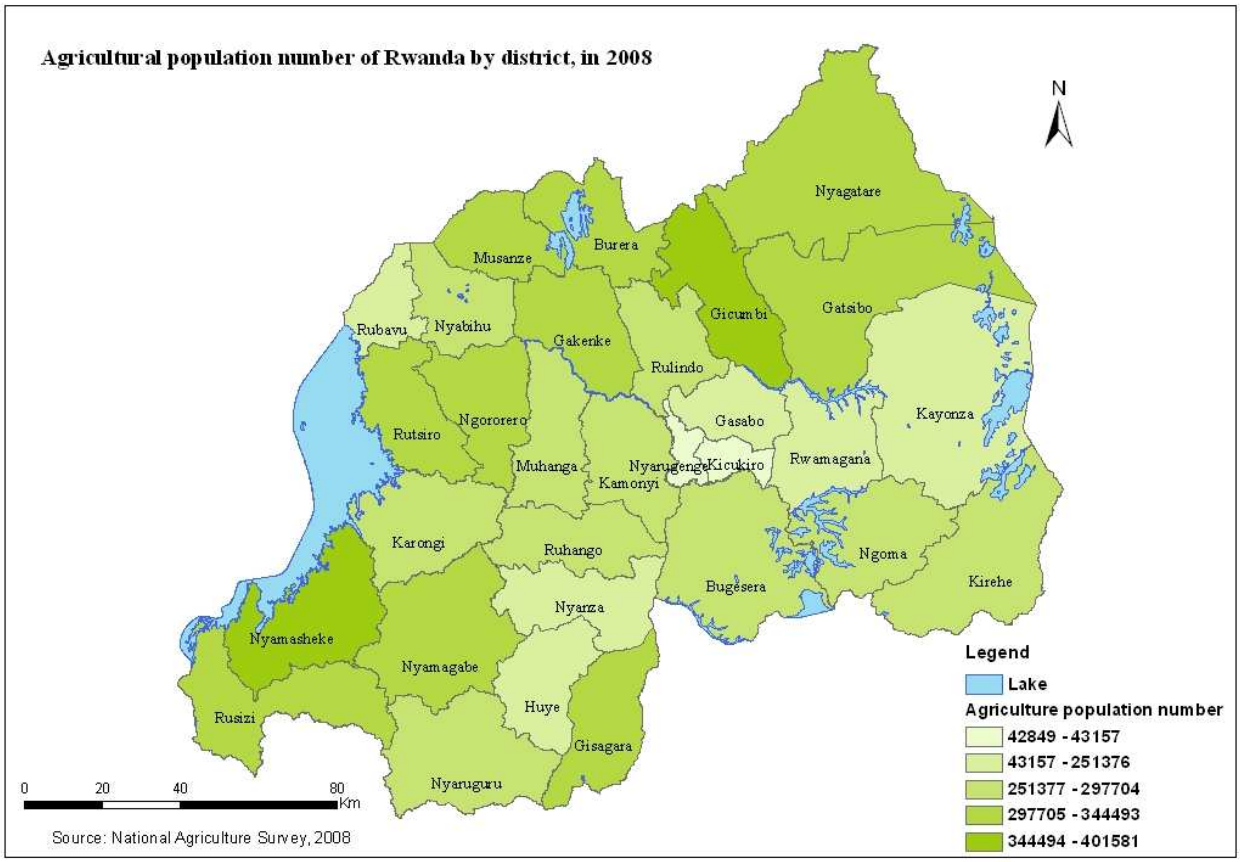
From the agricultural survey conducted in 2008, it was noticed that Rwanda had an agricultural population of 8,283,844 people. The total population being estimated at 9,831,501 inhabitants in 2008, this constitutes a proportion of 84% of agricultural population. Its geographical distribution (by district) is presented through the below map 4.1.3.

The table 4.1.8 below shows the predominance of female agricultural population of Rwanda, in 2008 (52,2% of the total agricultural population), and this, at the level of districts and provinces (see the map 4.1.2 below and the table A.4.1.4 in annex) as well as at all levels of age (see the table 4.1.10 and the chart 4.1.5 below).

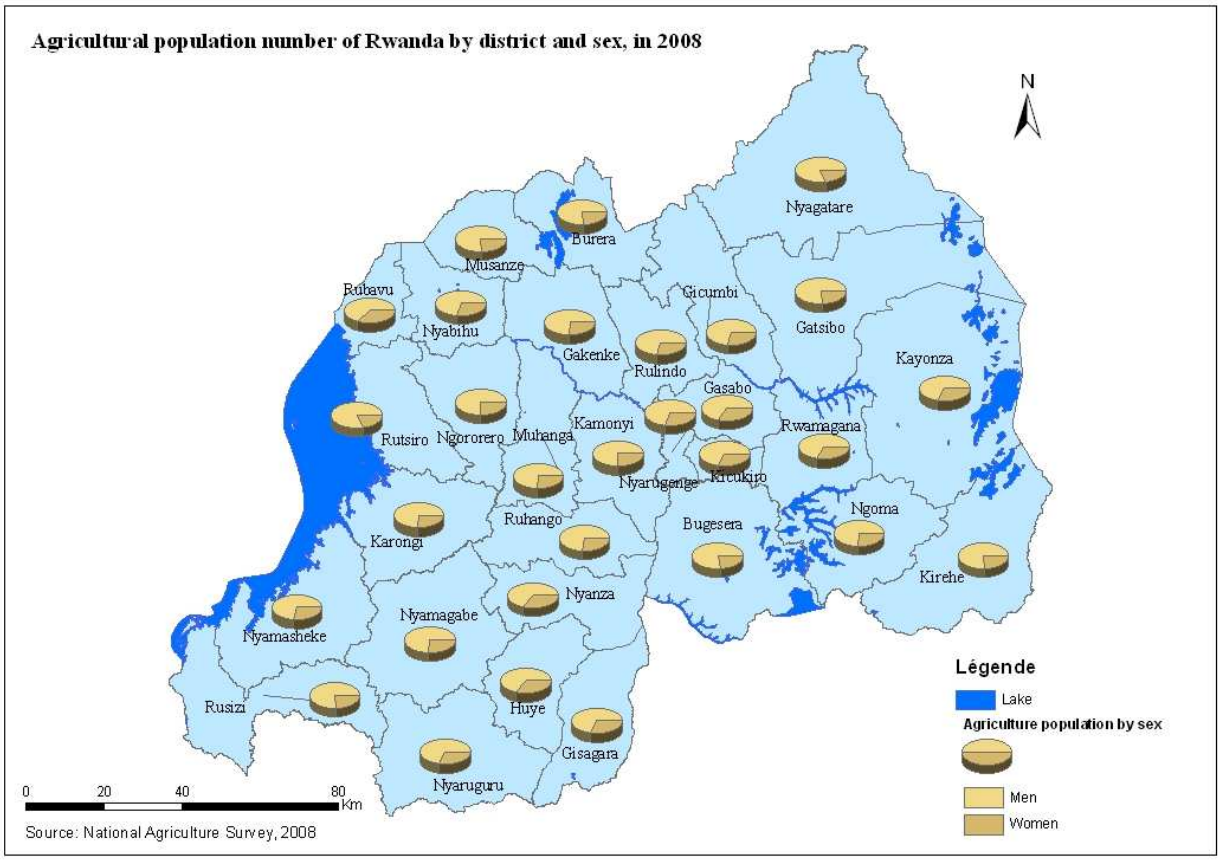
Table 4.1.8. Distribution of the agricultural population by province and sex

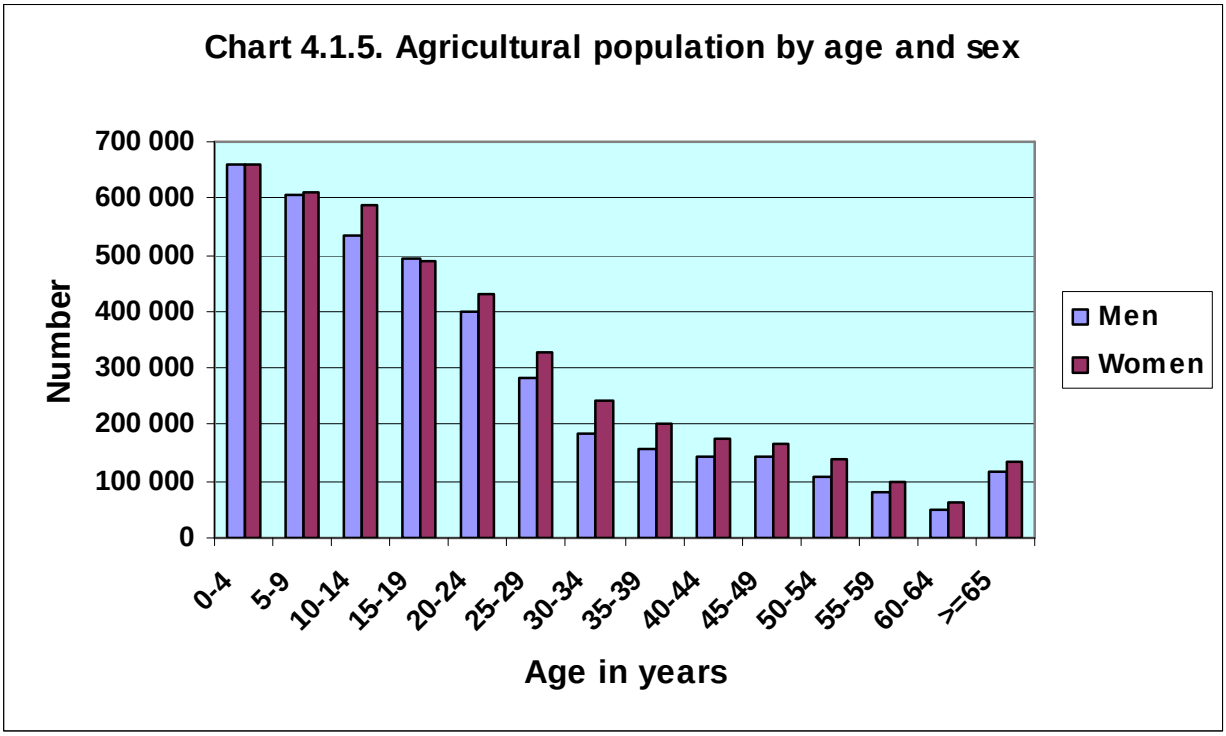
Province	Men		Women		Total	
Kigali City	121 283	49.2%	125 187	50.8%	246 470	100%
South	1 050 279	47.5%	1 160 355	52.5%	2 210 634	100%
West	1 050 801	47.5%	1 163 134	52.5%	2 213 935	100%
North	780 908	47.9%	848 292	52.1%	1 629 200	100%
East	954 015	48.1%	1 029 589	51.9%	1 983 604	100%
Total	**3 957 287**	**47.8%**	**4 326 557**	**52.2%**	**8 283 844**	**100%**

Map 4.1.3. Agricultural population number of Rwanda by district, in 2008



Map 4.1.4. Agricultural population number of Rwanda by district and sex, in 2008





b) An agricultural household is almost exclusively composed by the family blood members.

The proportion of agricultural population living inside the household without any direct parental relationship with the head of household amounted to 10.6%. In fact, beside the heads of households themselves and their spouses (respectively 20.2% and 13.7% of the total agricultural population), their children, only constituted 55.5%. As the average size of an agricultural household was 4.9 persons (see table 4.1.13), it follows that, in two agricultural households live, on average, there is only one person who does not belong directly to the family. It is the same situation at the level of all provinces and districts of the country (see table 4.1.9 below and table A.4.1.5 in annex).

It goes therefore to say that the Rwandan agricultural population is largely constituted of the young people of whom 56% are of age less than 20 years old (see table 4.1.10 below, chart 4.1.5 above and table A.4.1.7 in annex).

Table 4.1.9. Distribution of the agricultural population by their relationship with the head of the household

Parental relationship with the head of household	**Number**	**%**
Head of household	1 674 687	20,2%
Spouses	1 137 123	13,7%
Children of the head of household	4 596 825	55,5%
Fathers/Mothers	14 581	0,2%
Brothers/Sisters	111 332	1,3%
Other parental relationship	586 581	7,1%
Without any parental relationship	162 714	2,0%
Total	**8 283 844**	**100,0%**

Table 4.1.10. Distribution of the agricultural population by their age and sex

Age (in years)	**Male**			**Female**			**Total**		
	Number	% column	% row	Number	% column	% row	Number	% column	% row
0 to 4	658 716	16.65%	49.90%	660 826	15.27%	50.10%	1 319 542	15.93%	100%
5 to 9	607 922	15.36%	49.90%	611 563	14.14%	50.10%	1 219 485	14.72%	100%
10 to 14	532 508	13.46%	47.60%	587 143	13.57%	52.40%	1 119 651	13.52%	100%
15 to 19	493 523	12.47%	50.20%	489 220	11.31%	49.80%	982 742	11.86%	100%
20 to 24	398 145	10.06%	47.90%	432 308	9.99%	52.10%	830 453	10.02%	100%
25 to 29	281 132	7.10%	46.30%	326 127	7.54%	53.70%	607 259	7.33%	100%
30 to 34	185 328	4.68%	43.30%	242 519	5.61%	56.70%	427 848	5.16%	100%
35 to 39	156 330	3.95%	43.80%	200 643	4.64%	56.20%	356 973	4.31%	100%
40 to 44	142 560	3.60%	44.70%	176 132	4.07%	55.30%	318 693	3.85%	100%
45 to 49	143 552	3.63%	46.50%	164 972	3.81%	53.50%	308 524	3.72%	100%
50 to 54	109 254	2.76%	43.90%	139 428	3.22%	56.10%	248 682	3.00%	100%
55 to 59	81 288	2.05%	45.40%	97 685	2.26%	54.60%	178 973	2.16%	100%
60 to 64	50 902	1.29%	44.30%	63 929	1.48%	55.70%	114 831	1.39%	100%
>= 65	116 126	2.93%	46.40%	134 062	3.10%	53.60%	250 188	3.02%	100%
Total	**3 957 287**	**100.00%**	**47.80%**	**4 326 557**	**100.00%**	**52.20%**	**8 283 844**	**100.00%**	**100%**

c) The literacy rate as well as the education level of Rwandan agricultural population are still low.

During the 2008 agricultural calendar year, it was established that 21.7% of the population aged 6 years and above never frequented school and that a significant proportion (53.5%) has attended but not finished primary school (see table 4.1.11 below). Those proportions were maintained at the level of provinces and districts.

This explains why the literacy rate of the Rwandan agricultural population tends to be low. It was indeed evaluated that only 63.7% of people of 15 years old and above could read and write. The illiterate population and those who, at that time, were able to read only, amounted to 29.3% and 6.9% respectively (see table 4.1.12 and chart 4.1.6 below). Here also, those proportions were maintained at the level of provinces and districts (see map 4.1.5 below and the table A.4.1.9 in annex).

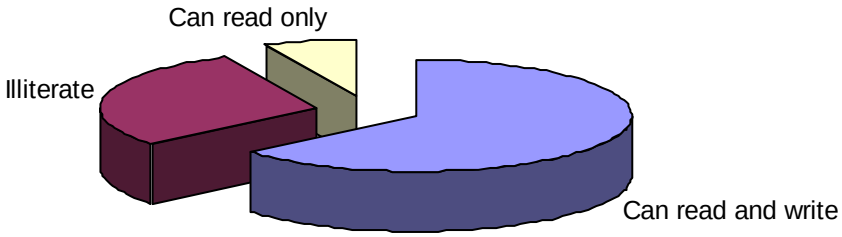
Table 4.1.11. Distribution of the agricultural population aged 6 years and above according to the level of education

Level of education	**Number**	**%**
Never attended the school	1 448 058	21.7%
Incomplete primary school	3 579 631	53.5%
Complete primary school	1 131 338	16.9%
Post-primary school	115 917	1.7%
Incomplete secondary school	291 614	4.4%
Complete secondary school	92 016	1.4%
University / High School	26 963	0.4%
Total	**6 685 539**	**100.0%**

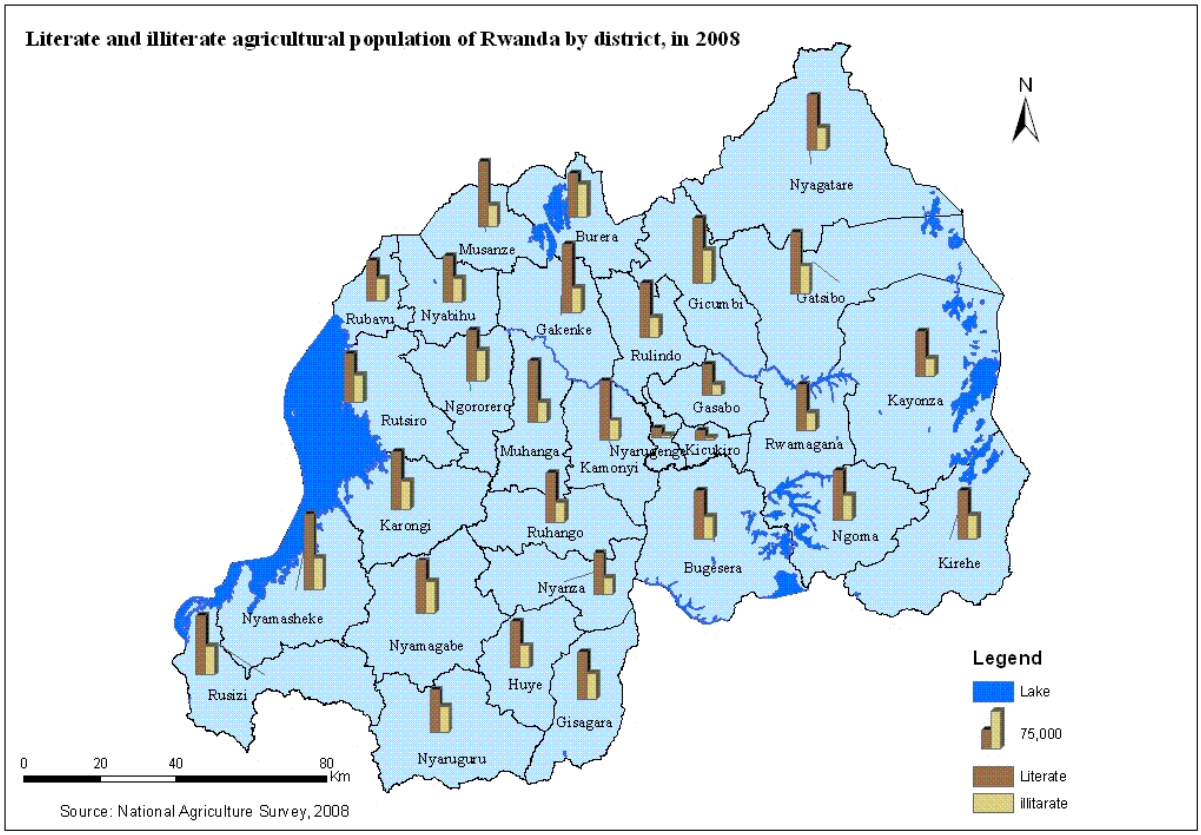
Tableau 4.1.12. Distribution of the agricultural population by province according to their level of literacy, age and sex

	Age 15 years and above				Persons from 0-14 years old	Persons from 15-64 years old	Persons of 65 years old and above	Total male	Total female	Total population
Number	Illiterate people	Knowing to read only	Knowing to read & to write	Total						
Kigali City	33 092	7 944	102 011	143 047	103 438	136 509	6 523	121 283	125 187	246 470
South	363 476	90 794	798 774	1 253 044	957 380	1 180 642	72 612	1 050 279	1 160 355	2 210 634
West	385 342	83 155	753 029	1 221 526	992 390	1 152 994	68 551	1 050 801	1 163 134	2 213 935
North	263 572	52 727	588 604	904 903	724 393	847 810	56 996	780 908	848 292	1 629 200
East	311 717	86 796	704 281	1 102 794	880 928	1 057 022	45 654	954 015	1 029 589	1 983 604
Rwanda	**1 357 199**	**321 416**	**2 946 699**	**4 625 314**	**3 658 531**	**4 374 978**	**250 336**	**3 957 287**	**4 326 557**	**8 283 844**
Percentage										
Kigali City	23.1%	5.6%	71.3%	100%	42.0%	55.4%	2.6%	49.2%	50.8%	100%
South	29.0%	7.2%	63.7%	100%	43.3%	53.4%	3.3%	47.5%	52.5%	100%
West	31.5%	6.8%	61.6%	100%	44.8%	52.1%	3.1%	47.5%	52.5%	100%
North	29.1%	5.8%	65.0%	100%	44.5%	52.0%	3.5%	47.9%	52.1%	100%
East	28.3%	7.9%	63.9%	100%	44.4%	53.3%	2.3%	48.1%	51.9%	100%
Rwanda	**29.3%**	**6.9%**	**63.7%**	**100%**	**44.2%**	**52.8%**	**3.0%**	**47.8%**	**52.2%**	**100%**

Chart 4.1.6. Ditribution of the agricultural population aged 15 years and above according to the literacy level



Map 4.1.5. Literate and illiterate agricultural population of Rwanda by district, in 2008



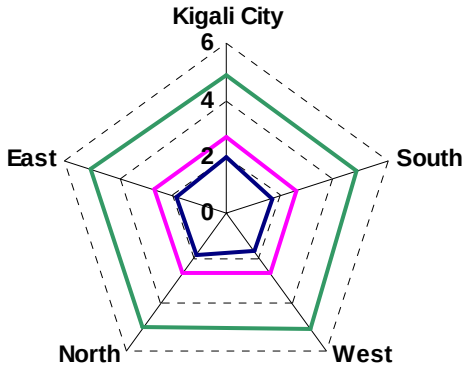
d) In one given Rwandan agricultural household, half of its members are active.

In general, the average size of a Rwandan agricultural household was 4.9 persons. It has to be noted here that in 2006, like in 2008, the same number was always reported. Among the household members, 2.4 persons were active (are between 15-64 years old), the remaining other 2.5 were inactive (children and old people). It was also observed that 10 agricultural household count, on average, 8 illiterate persons and 18 persons who are able to read and write (among the population of 15 years old and above). Those standards were always maintained at provinces and districts level of the country (see table 4.1.13, chart 4.1.7 and maps 4.1.6 and 4.1.7 below as well as the table A.4.1.10 in annex).

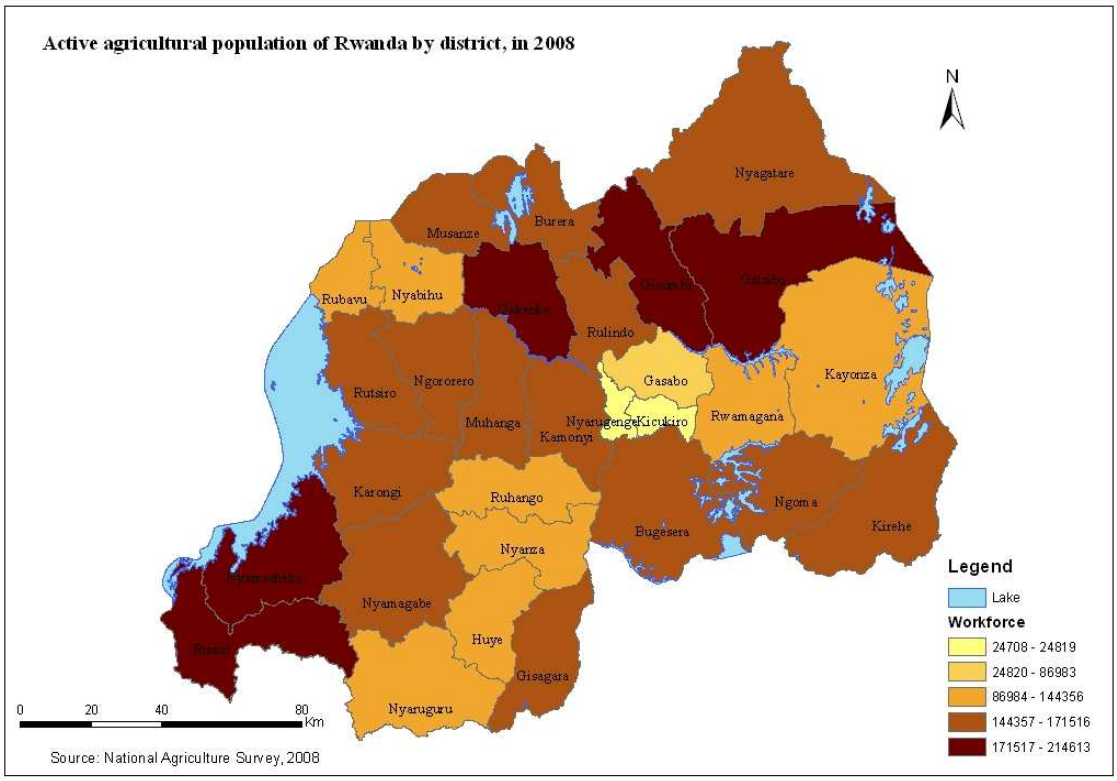
Table 4.1.13. Structure of the agricultural population of provinces by their level of literacy, activity age and sex

Provinces	**Number of people of 15 years old and above**			Active persons (15 to 64 years old)/ household	Inactive persons (0 to 14 years and 65 years & above/ household	Men/ household	Women/ household	Size of the household
	illiterate/ household	Persons that can read only/ household	Persons that can read & write / household					
Kigali City	0.7	0.2	2.0	2.7	2.2	2.4	2.5	4.9
South	0.8	0.2	1.7	2.6	2.2	2.3	2.5	4.8
West	0.9	0.2	1.7	2.6	2.4	2.4	2.7	5.1
North	0.8	0.2	1.8	2.6	2.4	2.4	2.6	5.0
East	0.8	0.2	1.8	2.7	2.3	2.4	2.6	5.0
Total	**0.8**	**0.2**	**1.8**	**2.6**	**2.3**	**2.4**	**2.6**	**4.9**

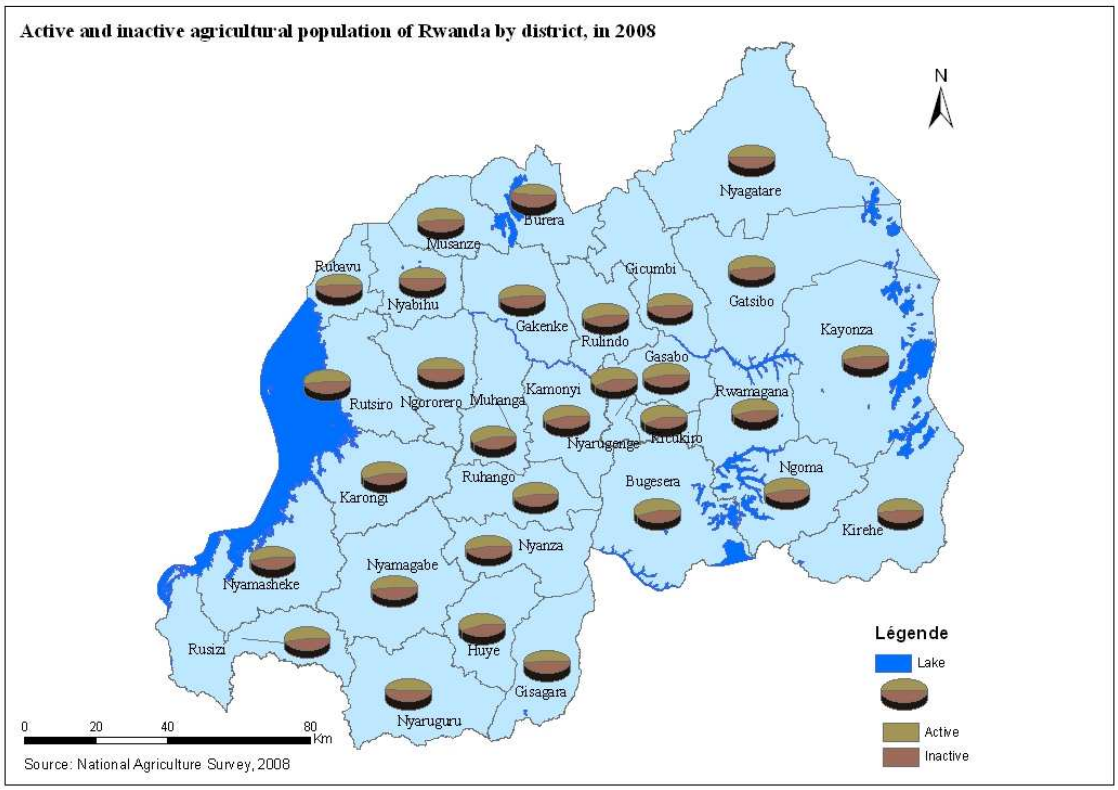
Chart 4.1.7. Average number of active persons and total literate by agricultural household



Map 4.1.6. Active agricultural population of Rwanda by district, in 2008



Map 4.1.7. Active and inactive agricultural population of Rwanda by district, in 2008



e) The main activity practiced by the majority of the Rwandan agricultural population consists of farm works and the women contribute to it a lot.

The survey of 2008 revealed that the main activity practised by the majority of the agricultural population consisted of agricultural family help (in 42.2% of cases, among which 77.2% constituted of females). The farmers themselves amounted to 33.3% of active population, while students represented 14.3% of cases. Accumulation of activities (as secondary activities), apart from the main one was rarely observed (see table 4.1.14 below). It has to be noted also that, in general, there was no activity practiced by people of 15 years old or less (outside those going to school or helping to household activities of the family). Therefore, in Rwanda, there is no child labor. It has to be underlined that the group of persons working as agricultural family help was mainly composed of female (77.2% of cases). This shows the importance of the role played by women in the handling of farm works.

Table 4.1.14 Distribution of active agricultural population (of 15-64 years old) according to the sex and the main and secondary activity practiced

Main activity	**Sex**					
	Male		Female		Total	
Farming activity	998 914	48.9%	455 855	19.5%	1 454 769	33.3%
Agricultural family help	420 507	20.6%	1 423 589	61.0%	1 844 097	42.2%
Non-agricultural family help	29 012	1.4%	22 509	1.0%	51 521	1.2%
Agricultural employee	17 841	0.9%	4 835	0.2%	22 676	0.5%
Agricultural manpower	25 177	1.2%	21 842	0.9%	47 019	1.1%
Non-agricultural manpower	31 513	1.5%	5 669	0.2%	37 182	0.8%
Independent craftsman	37 015	1.8%	13 506	0.6%	50 521	1.2%
Craftsman employee	26 844	1.3%	9 671	0.4%	36 515	0.8%
Merchant	20 175	1.0%	11 171	0.5%	31 346	0.7%
Official	13 506	0.7%	9 170	0.4%	22 676	0.5%
Student	330 137	16.2%	294 289	12.6%	624 425	14.3%
Domestic house help	17 341	0.8%	28 845	1.2%	46 186	1.1%
Other activities	37 015	1.8%	9 671	0.4%	46 686	1.1%
Without activity	35 848	1.8%	23 510	1.0%	59 358	1.4%
Total	**2 040 845**	**100.0%**	**2 334 133**	**100.0%**	**4 374 978**	**100.0%**
Secondary Activity						
Farming activity	52 855	2.6%	16 507	0.7%	69 362	1.6%
Agricultural family help	57 357	2.8%	42 351	1.8%	99 708	2.3%
Non-agricultural family help	73 864	3.6%	85 535	3.7%	159 399	3.6%
Agricultural employee	18 174	0.9%	14 506	0.6%	32 680	0.7%
Agricultural manpower	115 381	5.7%	151 729	6.5%	267 111	6.1%
Non-agricultural manpower	82 534	4.0%	14 006	0.6%	96 540	2.2%
Independent craftsman	89 370	4.4%	39 516	1.7%	128 887	2.9%
Craftsman employee	26 678	1.3%	3 168	0.1%	29 846	0.7%
Merchant	97 207	4.8%	68 362	2.9%	165 569	3.8%
Official	2 668	0.1%	500	0.0%	3 168	0.1%
Student	36 015	1.8%	332 804	14.3%	368 819	8.4%
Domestic house help	117 549	5.8%	72 363	3.1%	189 912	4.3%
Other activities	1 271 193	62.3%	1 492 785	64.0%	2 763 978	63.2%
Total	**2 040 845**	**100.0%**	**2 334 133**	**100.0%**	**4 374 978**	**100.0%**

4.2. Farm characteristics

4.2.1. Area and use of arable lands

a) Farmland area represented half of the whole country area and is constitutes by split plots of land.

From the table 4.2.1 below, it is shown that the average area of farmlands was of 0.76 Ha by household in 2008, divided into about 4 blocks of lands. Those farmlands were on a total area of 1,280,750 Ha, which constituted half of the country total area. That area does not change much from one season to another (see map 4.2.1).

In addition, it is noticed that about 80% of farmlands do not measure more than 1 Ha each (see table 4.2.2).

Similar information is detailed by province and district and is presented in annex, from table A.4.2.2a to A.4.2.3a.

Map 4.2.1. Total area of agricultural land of Rwanda by district, during the two seasons of 2008

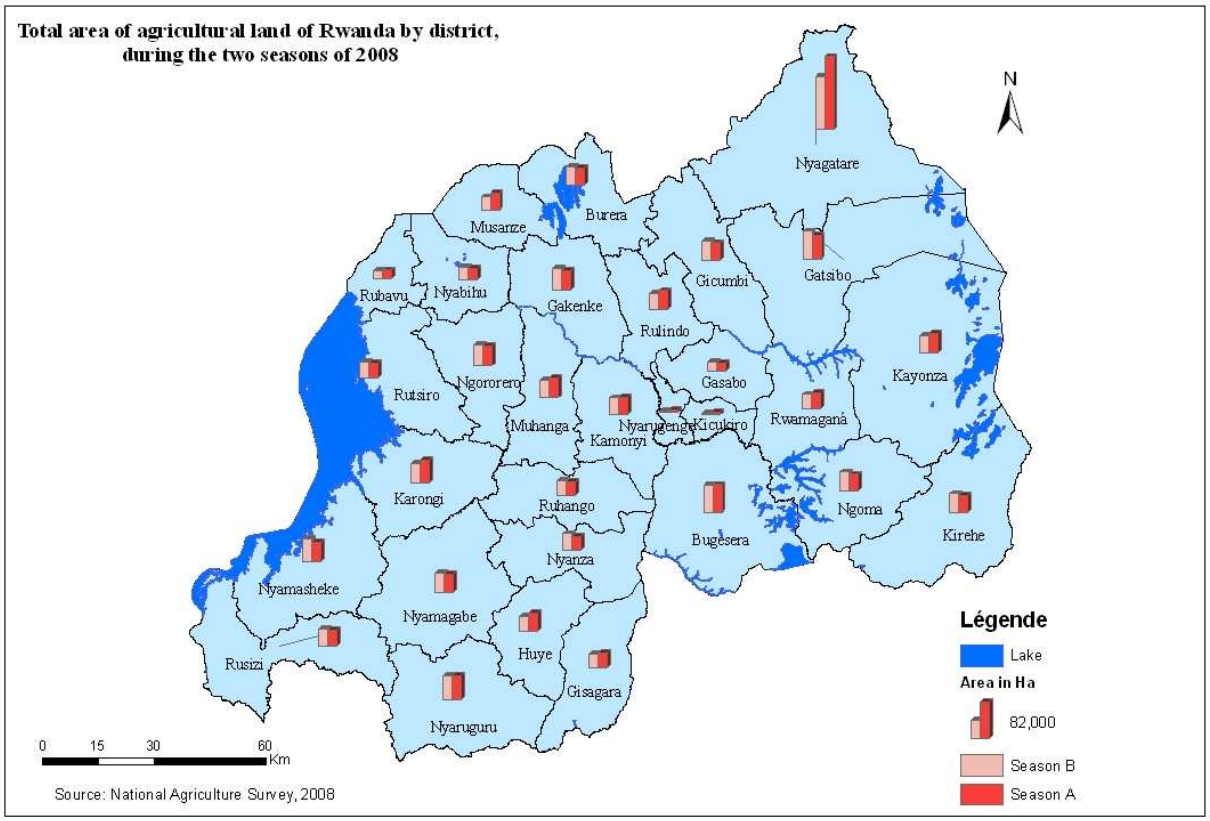


Table 4.2.1. Area coverage rate of agricultural holdings, average area by agricultural household (Ha) and average number of blocks by household

Province	Total area by province[4]	Area under agricultural holdings (Ha)	Area coverage rate of agricultural holdings (%)	Average area by agricultural household (Ha)	Average Number of blocks by household
Kigali City	72 985	32 959	45.20%	0.65	3
South	596 352	327 047	54.80%	0.71	4
West	588 173	269 964	45.90%	0.62	4
North	327 550	211 576	64.60%	0.65	5
East	946 250	439 204	46.40%	1.10	3
Total	**2 531 310**	**1 280 750**	**50.60%**	**0.76**	**4**

Table 4.2.2. Proportion (%) of agricultural holdings by the size of their area (in Ha)

Area intervals	Percentages	Cumulative %
<0.20 Ha	26.3%	26.3%
0.20 – 0.49 Ha	30.5%	56.8%
0.50 – 0.99 Ha	23.2%	80.0%
1.0 – 1.99 Ha	14.0%	94.0%
2.0 – 2.99 Ha	3.6%	97.6%
3.0 – 3.99 Ha	1.2%	98.8%
4.0 – 4.99 Ha	0.6%	99.4%
5.0 – 9.99 Ha	0.5%	99.9%
10.0 – 19.99 Ha	0.1%	100.0%
20.0 – 49.99 Ha	0.1%	100.0%
50.0 – 99 Ha	0.1%	100.0%
Total	**100.0%**	

b) Most of farms were acquired by inheritance, purchased or received as gift.

The table 4.2.3 shows that 81.5% of the farmlands were acquired by inheritance, purchased or received as gift. The proportion of those received as gift (11.3% of total agricultural area) seems to be odd. In fact, as a result of the genocide of 1994, some survivors were able to obtain a part of the lands that belonged to some of their deceased family members. Also, it is likely that "to receive in inheritance" and "to receive in gifts" were poorly understood by the sample farmers.

[4] Source: Ministry of Agriculture and Animal Resources.

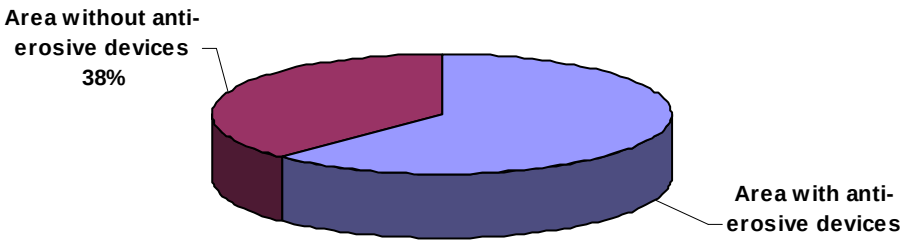
Table 4.2.3. Proportion (%) of agricultural lands according to land tenure type

Land tenure type	Percentage
Inheritance	45.5%
Purchase	24.7%
Received as gift	11.3%
Free usage	2.1%
Sharecropping/Rent	6.7%
Voluntary sharing	2.3%
Gift from the State	6.7%
Other	0.7%
Total	**100.0%**

c) 62% of the area of farms is provided with anti-erosive devices.

According to the chart 4.2.1 and the table 4.2.4 below, it is shown that a significant part of farm area was provided with anti-erosive devices. It was the same situation prevailed at the level of most of the districts of the country (see map 4.2.2).

Chart 4.2.1. Proportion (%) of area agricultural lands according to anti-erosive devices applied



Map 4.2.2. Proportion of agricultural area provided with anti-erosive devices by district, in 2008

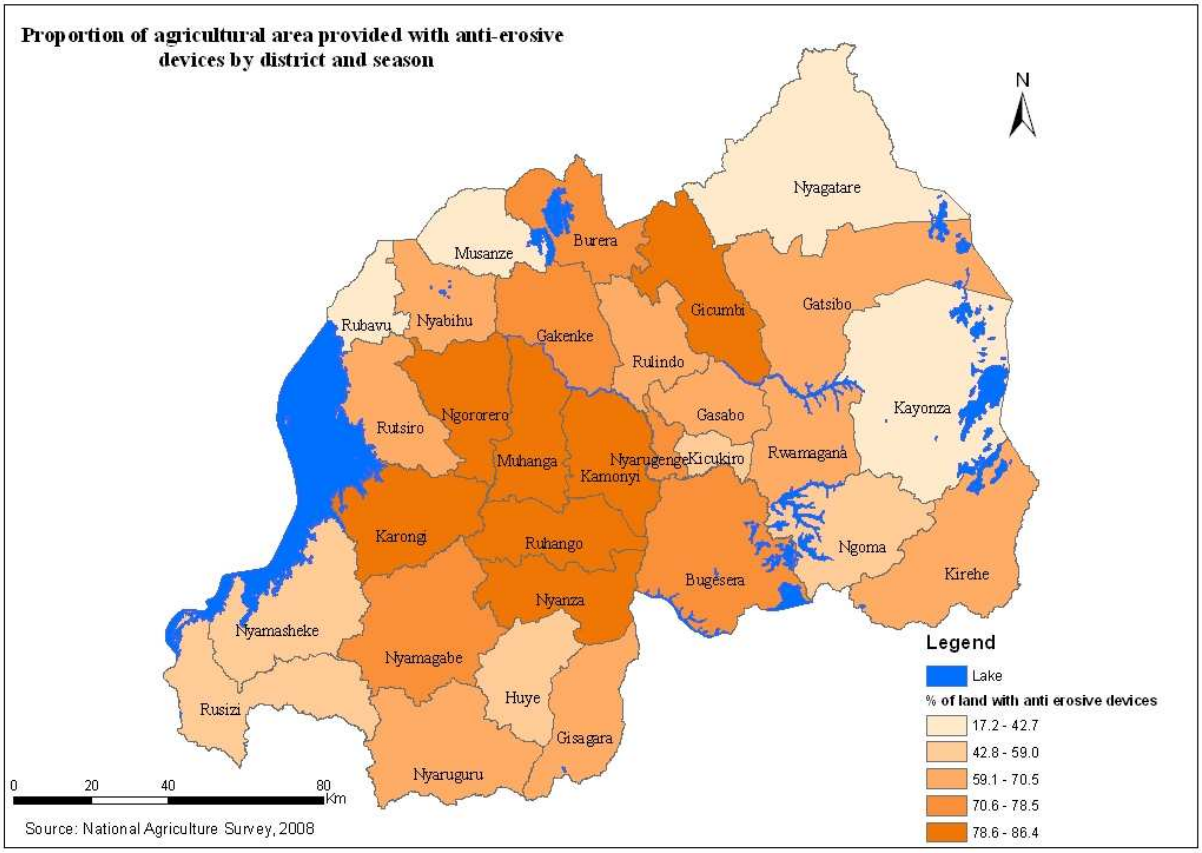


Table 4.2.4. Area of farmlands according to anti-erosive methods used

Anti-erosive device	**Area in Ha**	**Percentage**
Area with anti-erosive device, among which :	797 216	62.2%
Radical terraces	*33 399*	*4.2%*
Anti-erosive ditches	*551 610*	*69.2%*
Anti-erosive hedges	*212 207*	*26.6%*
Area without anti-erosive device	483 534	37.8%
Total agricultural area	**1 280 750**	**100.0%**

d) An important part of the area of farms is on hills and near houses.

The tables 4.2.6 and 4.2.5 below show that 82% of the area of farms is on hills (on top, sides and bottom of the hill) and that the most important part was easily accessible to farmers (about 87% of the area of the farms was accessible within 30 minutes.

Table 4.2.5. Proportion (%) of farmland area according to the time used (in min) from the house

Time (in min) To get to the farmland	**Percentage**
0 – 15	73.0%
16 – 30	13.9%
31 – 45	4.5%
46 – 60	4.3%
61 & more	4.1%
Total	**100.0%**

Table 4.2.6. Proportion (%) of farmland area according to their topographic position

Position	**Percentage**
Top of the hill	24,3%
Side of the hill	45,8%
Bottom of the hill	12,0%
Plain	15,8%
Marsh	2,2%
Total	**100,0%**

e) Mostly pluvial traditional crops are cultivated on the quasi-totality of farmlands.

The table 4.2.7 below is clearly indicating that most of lands were supplied with water from rainfall (more than 95% of the farm area). It was indeed difficult to practice irrigation, drainage or watering on lands situated on hills. Moreover, the cultivation techniques used were exclusively traditional. The mechanized cultivation was non-existent at the level of agricultural households in Rwanda (see table 4.2.8).

Food and cash crops are covering about 71% of total farm area. The remaining area is covered by forage, pasture, uncultivated land, forestation, etc. see Chart 4.2.2 and table 4.2.9 below.

Chart 4.2.2. Proportion of area agricultural lands (in Ha) according to their use

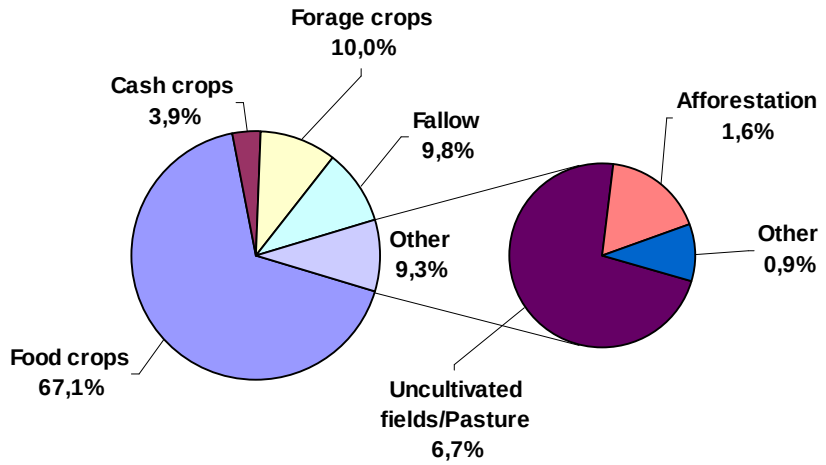


Table 4.2.7. Proportion (%) of farmland area according to the main mean of water supply

Method of water supply to crops [5]	**Percentage**
Rain	98.0%
Irrigation	0.6%
Drainage	1.0%
Watering	0.4%
Total	**100.0%**

Table 4.2.8. Proportion (%) of farmland area according to the cultivation techniques used

Cultivation techniques used	**Percentage**
Traditional cultivation	99.9%
Animal attraction	0.1%
Mechanized cultivation	0.0%
Total	**100.0%**

Table 4.2.9. Area of agricultural lands (in Ha) according to their use

Land use	**Area (in Ha)**	**%**
Food crops	859 640	67.1%
Cash crops	49 560	3.9%
Forage crops	21 040	1.6%
Fallow	85 823	6.7%
Uncultivated fields/Pasture	128 008	10.0%
Afforestation	124 909	9.8%
Other	11 771	0.9%
Total	**1 280 751**	**100.0%**

[5] This concerns the season 2008A.

4.3. Agricultural practices and crop production

4.3.1. Cultivated crops during the agricultural year 2008

The tables 4.2.3a and 4.2.3b below present the crops that the agricultural households planted during the year 2008 by season. Those tables show that Rwanda grows a range of varieties of agricultural crops. The major ones are the following: maize and sorghum for cereals, sweet potatoes, cassava (soft and bitter), taro and potatoes for roots and tubers, beans and the peas for pulses, soya beans and groundnuts for oil crops, vegetables dodo, gourds, eggplants, onions and cabbages for vegetables, bananas (for cooking, beer and fruits) and avocadoes for fruits, etc.

Table 4.3.1a. Distribution of agricultural households according to the crops planted during the season 2008A by provinces

Product groups	**Crops**	**Percentage of agricultural farmers who have planted the crop during the season 2008A**					
		Kigali City	South	West	North	East	Total
1. Cereals	Sorghum	3.3%	12.9%	8.5%	23.8%	20.9%	15.5%
	Maize	74.4%	60.3%	60.5%	67.2%	79.6%	66.9%
	Wheat	.0%	5.0%	6.1%	10.6%	.5%	5.1%
2. Root and Tubers	Cassava soft	66.4%	66.1%	33.1%	41.0%	63.3%	52.2%
	Cassava bitter	50.0%	64.0%	37.1%	25.6%	51.2%	46.2%
	Sweet potatoes	72.9%	87.1%	65.9%	75.2%	70.9%	75.0%
	Potatoes	29.2%	49.1%	35.7%	41.6%	42.7%	42.0%
	Taro	31.0%	46.8%	32.8%	34.7%	25.6%	35.3%
	Yam	.6%	5.9%	6.7%	1.1%	5.1%	4.8%
3. Pulses	Bush beans	94.9%	80.9%	39.6%	45.3%	89.9%	66.2%
	Climbing beans	18.5%	53.5%	68.5%	86.4%	13.1%	52.8%
	Peas	18.8%	38.7%	16.2%	27.8%	12.3%	23.8%
4. Oil crops	Groundnuts	26.5%	19.8%	2.4%	5.0%	33.7%	16.1%
	Soybeans	30.7%	42.8%	21.0%	9.8%	19.1%	24.7%
	Sunflower seed	3.9%	14.3%	1.5%	2.5%	14.5%	8.4%
5. Sugar crops	Sugar Cane	6.5%	9.2%	9.5%	17.0%	8.5%	10.6%
6. Vegetables	String beans	10.4%	8.0%	4.2%	3.7%	2.6%	5.0%
	Cauliflower	.6%	1.5%	.7%	1.0%	.5%	.9%
	Cabbages	6.8%	16.8%	16.9%	14.4%	4.7%	13.1%
	Tomatoes	16.1%	12.0%	6.0%	7.4%	5.2%	8.1%
	Carrots	2.7%	5.4%	3.2%	4.5%	1.4%	3.6%
	Cucumbers	.9%	.4%	.2%	.3%	.0%	.2%
	Beets	1.2%	.4%	.1%	.4%	.0%	.2%
	Lettuce	.3%	.1%	.0%	.4%	.0%	.1%
	Spinach	3.3%	1.4%	1.7%	3.5%	.9%	1.8%
	Garlic	.9%	.9%	2.0%	1.6%	.9%	1.3%
	Eggplants	18.2%	19.4%	21.4%	17.3%	9.2%	17.0%
	Pumpkins	25.6%	31.3%	24.9%	34.8%	25.4%	28.8%
	Onions	10.4%	14.2%	19.7%	25.4%	6.9%	15.9%
	Okra	.0%	.5%	.7%	.8%	.3%	.5%
	Leeks	4.2%	4.8%	4.7%	8.3%	2.7%	4.9%

Table 4.3.1a. Distribution of agricultural households according to the crops planted during the season 2008A by provinces (continuous)

Product groups	Crops	Percentage of agricultural farmers who have planted the crop during the season 2008A					
		Kigali City	South	West	North	East	Total
Vegetables (continuous)	Pepper	5.4%	2.0%	2.2%	1.9%	1.2%	1.9%
	Celery	1.8%	1.5%	2.5%	2.1%	.5%	1.6%
	parsley	.6%	.8%	.5%	.8%	.7%	.7%
	Chilies (Pili-pili)	6.5%	5.1%	5.0%	8.5%	3.7%	5.5%
	Mushrooms	.3%	.5%	.4%	.7%	.6%	.5%
	Vegetables dodo	41.1%	52.3%	43.4%	49.7%	38.4%	45.8%
	Other vegetables	8.9%	11.5%	11.3%	23.5%	7.9%	12.8%
7. Fruits	Cooking banana	26.8%	39.7%	30.0%	39.2%	53.2%	40.0%
	Beer banana	24.7%	40.8%	27.6%	32.4%	36.6%	34.2%
	Banana fruits Kamaramasenge	13.7%	20.1%	12.7%	14.2%	12.2%	14.9%
	Other banana fruits	13.4%	15.4%	15.1%	23.5%	14.2%	16.5%
	Orange	4.5%	5.0%	3.1%	3.3%	3.1%	3.7%
	lemon	4.8%	8.0%	5.8%	2.5%	4.4%	5.4%
	Mango	14.0%	10.3%	7.3%	4.0%	16.3%	9.9%
	Guava	6.0%	8.8%	7.9%	6.0%	5.5%	7.1%
	Passion fruit	4.8%	14.5%	9.7%	13.8%	3.8%	10.2%
	Pineapples	8.9%	7.2%	3.5%	5.0%	6.5%	5.7%
	Strawberries	.9%	.7%	.5%	.8%	.7%	.7%
	Papaya	10.7%	10.6%	6.9%	10.5%	17.3%	11.3%
	Avocado (normal)	18.8%	27.0%	19.5%	24.5%	26.0%	24.1%
	Avocado hass	2.7%	1.9%	2.2%	3.8%	1.6%	2.3%
	Plum of Japan	4.5%	7.9%	9.0%	12.6%	5.0%	8.3%
	Gaperi	.6%	2.0%	1.2%	2.7%	.9%	1.6%
8. Spices	Dwarf pepper	16.1%	9.1%	5.6%	11.9%	11.1%	9.5%
	Vanilla	.3%	.1%	.2%	.6%	.2%	.3%
9. Stimulants	Coffee	7.1%	14.0%	10.9%	8.7%	11.6%	11.4%
	Tea	.9%	1.6%	1.7%	2.3%	.3%	1.4%
10. Tobacco and others	Pyrethrum	.0%	.2%	.5%	1.0%	.2%	.4%
	Tobacco	.3%	1.8%	1.5%	2.3%	1.9%	1.8%
	Geranium	.0%	.0%	.0%	.2%	.2%	.1%
	Macadamia	1.5%	.1%	.0%	.3%	1.4%	.5%
	Monus sp.(iboberi)	.6%	.1%	.5%	1.6%	.2%	.5%
	Patchouli	.0%	.1%	.0%	.1%	.0%	.0%
	Trade flowers	.6%	.1%	.1%	.5%	.2%	.2%
	Ornamental flowers	9.2%	9.8%	9.6%	16.3%	6.9%	10.3%

Table 4.3.1b. Distribution of agricultural households according to the crops planted during the season 2008B by provinces

Product groups	Crops	Percentage of agricultural farmers who have planted the crop during the season 2008B					
		Kigali City	South	Ouest	North	East	Total
1. Cereals	Sorghum	54.5%	59.5%	16.8%	28.2%	63.8%	43.2%
	Maize	62.2%	54.3%	44.9%	40.2%	69.1%	52.9%
	Wheat	.3%	8.4%	7.9%	12.3%	.9%	7.0%
	Paddy Rice	3.1%	8.7%	2.1%	.8%	4.9%	4.3%
2. Roots and tubers	Cassava soft	44.6%	64.3%	25.9%	25.6%	40.8%	40.5%
	Cassava bitter	33.7%	64.6%	21.9%	15.8%	32.9%	35.4%
	Sweet potatoes	57.0%	89.4%	65.3%	66.7%	62.9%	71.3%
	Potatoes	21.1%	47.0%	37.3%	47.2%	43.9%	43.0%
	Taro	15.8%	44.1%	25.8%	21.4%	22.4%	28.8%
	Yam	.6%	3.2%	2.3%	.3%	1.5%	1.9%
3. Pulses	Bush beans	90.1%	73.5%	35.6%	36.5%	91.2%	61.1%
	Climbing beans	14.9%	58.0%	61.9%	81.0%	14.6%	51.8%
	Peas	10.2%	45.6%	21.2%	28.4%	13.5%	27.1%
4. Oil crops	Groundnuts	22.0%	26.1%	3.1%	2.9%	36.8%	18.0%
	Soybeans	24.5%	43.9%	19.9%	9.0%	15.8%	23.4%
	Sunflower seed	2.5%	15.0%	1.1%	2.0%	11.9%	7.7%
5. Sugar crops	Sugar cane	3.4%	6.6%	5.9%	8.6%	5.6%	6.5%
6. Vegetables	String beans	9.3%	7.5%	2.8%	2.9%	1.9%	4.1%
	Cauliflower	.3%	.7%	.7%	.9%	.3%	.6%
	Cabbages	5.6%	16.6%	16.8%	13.7%	3.3%	12.5%
	Tomatoes	12.1%	11.1%	4.2%	7.7%	5.0%	7.2%
	Carrots	3.1%	6.0%	2.0%	4.7%	1.0%	3.4%
	Cucumbers	.0%	.4%	.4%	.3%	.1%	.3%
	Beets	.3%	.4%	.2%	.5%	.2%	.3%
	Lettuce	.3%	.0%	.1%	.4%	.1%	.1%
	Spinach	2.5%	1.1%	1.0%	2.2%	.6%	1.2%
	Garlic	.3%	.6%	1.6%	1.4%	.3%	1.0%
	Eggplants	6.2%	17.8%	13.1%	12.3%	5.2%	12.1%
	Pumpkins	8.0%	18.9%	8.0%	11.3%	8.5%	11.7%
	Onions	4.6%	11.5%	10.1%	20.2%	4.9%	11.1%
	Okra	.0%	.4%	.4%	.4%	.2%	.3%
	Leeks	2.2%	5.3%	3.2%	6.4%	2.6%	4.2%
	Pepper	2.5%	2.0%	1.3%	2.0%	1.0%	1.6%
	Celery	.6%	1.5%	1.6%	1.5%	.6%	1.3%
	parsley	.0%	.3%	.2%	.2%	.3%	.2%
	Chilies (Pili-pili)	4.0%	3.7%	3.6%	3.3%	1.2%	3.0%
	Mushrooms	.0%	.3%	.1%	.2%	.3%	.2%
	Vegetables dodo	17.0%	46.1%	25.8%	42.3%	26.2%	34.4%

Table 4.3.1b. Distribution of agricultural households according to the crops planted during the season 2008A by provinces (continuous)

Product groups	Crops	Percentage of agricultural farmers who have planted the crop during the season 2008B					
		Kigali City	South	West	North	East	Total
7. Fruits	Cooking banana	10.8%	35.2%	18.2%	21.2%	31.8%	26.4%
	Beer banana	5.9%	36.1%	17.5%	15.1%	22.3%	22.9%
	Banana fruits Kamaramasenge	3.4%	14.0%	6.3%	6.7%	5.9%	8.3%
	Other banana fruits	2.8%	14.4%	7.8%	9.1%	7.8%	9.7%
	Orange	1.2%	4.3%	1.6%	1.0%	1.5%	2.2%
	lemon	2.2%	7.2%	2.6%	1.0%	2.9%	3.6%
	Mango	5.3%	12.3%	3.0%	1.2%	10.1%	7.0%
	Guava	1.9%	10.6%	4.4%	1.2%	4.2%	5.3%
	Passion fruit	1.2%	12.4%	5.4%	8.2%	2.7%	7.1%
	Pineapples	2.8%	6.1%	1.1%	2.4%	4.7%	3.6%
	Strawberries	.3%	.4%	.5%	.3%	.3%	.4%
	Papaya	2.8%	12.0%	5.1%	4.1%	10.8%	8.0%
	Avocado (normal)	8.0%	29.6%	12.0%	11.6%	16.0%	17.6%
	Avocado hass	.6%	2.5%	2.0%	1.6%	1.0%	1.8%
	Plum of Japan	1.9%	6.5%	5.9%	7.7%	3.1%	5.6%
	Gaperi	.6%	1.0%	.9%	1.6%	.3%	.9%
8. Spice	Dwarf pepper	5.0%	8.0%	2.9%	4.6%	6.1%	5.5%
	Vanilla	.0%	.1%	.2%	.2%	.1%	.1%
9. Stimulants	Coffee	2.5%	11.9%	5.9%	4.3%	5.8%	7.1%
	Tea	.0%	1.2%	1.0%	.8%	.1%	.7%
10. Tobacco and others	Pyrethrum	.0%	.1%	1.3%	1.8%	.2%	.8%
	Tobacco	.6%	1.1%	.8%	1.2%	1.2%	1.0%
	Geranium	.0%	.1%	.0%	.0%	.1%	.0%
	Macadamia	1.2%	.2%	.0%	.0%	1.0%	.3%
	Monus sp.(iboberi)	.0%	.2%	.2%	1.0%	.2%	.4%
	Patchouli	.0%	.1%	.0%	.0%	.1%	.1%
	Trade flowers	.0%	.2%	.2%	.2%	.3%	.2%
	Ornamental flowers	2.8%	8.7%	6.1%	8.1%	4.7%	6.8%

4.3.2. Practices of horticulture

An in-depth analysis of the practice of horticulture revealed that, in 2008, only 50.7% and 41.5% of agricultural households declared to have practiced horticulture, during the seasons A and B respectively. 38% and 32% of households planted vegetables, during the seasons A and B. Fruit trees were planted by 25% and 20% of households during the same seasons. While only 10% and 5% planted ornamental flowers and/or trade flowers (see chart 4.3.1 and table 4.3.2 below). Besides, it has to be noted that in many of the districts, it was usually during the season A that the majority of agricultural households practiced horticulture (see map 4.3.1 below and tables A.4.3.7a and A.4.3.7b in annex).

For farmers who planted fruit trees and/or flowers, seeds were received from different sources, essentially from public and NGO's nurseries (see tables A.4.3.8a and A.3.8b in annex).

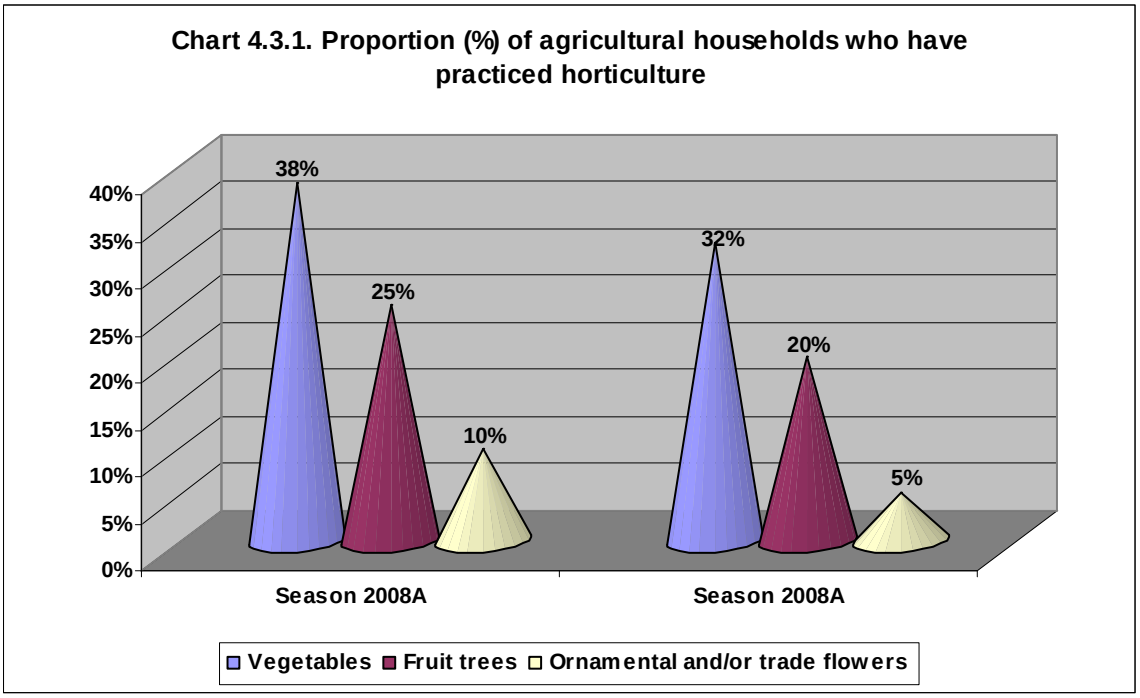
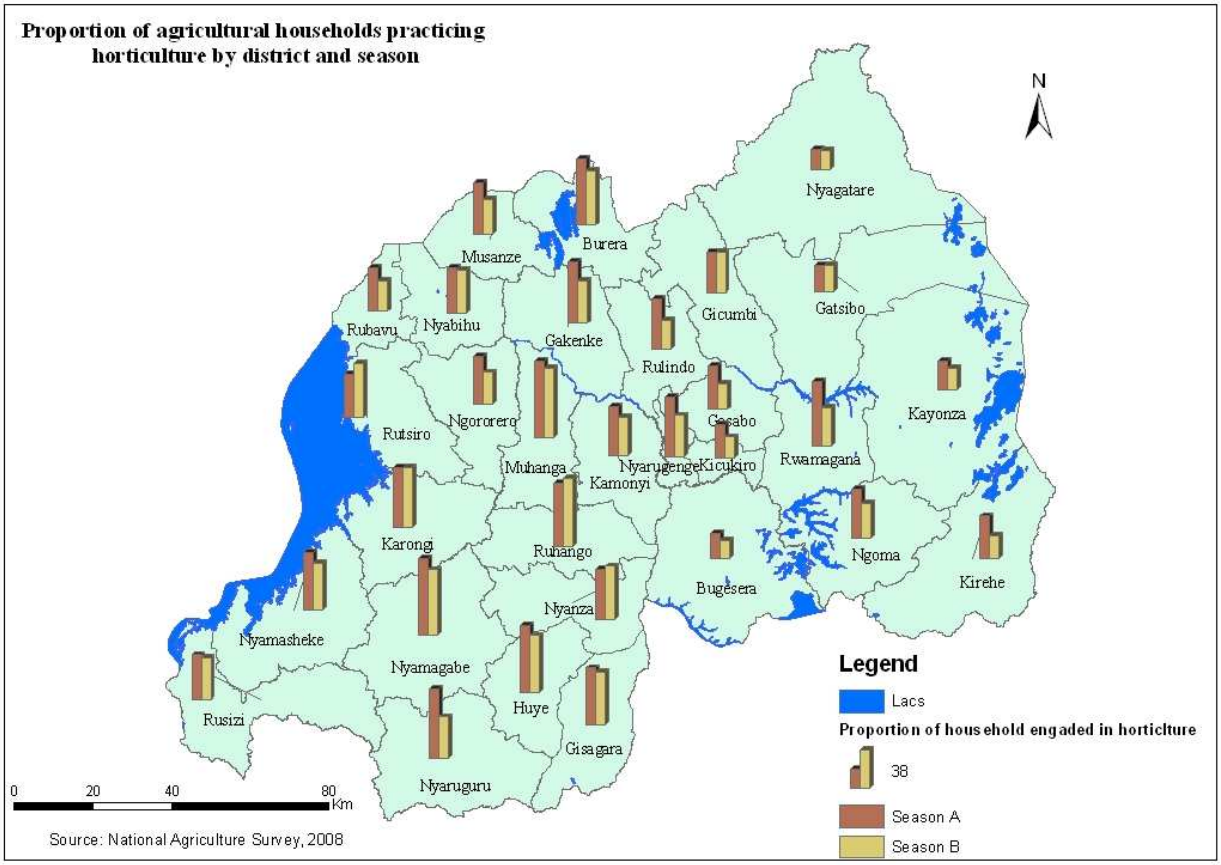


Table 4.3.2. Proportion (%) of agricultural households who have practiced horticulture by season

Types of product	**Season 2008A**	**Season 2008A**
Vegetables	38,1%	31,6%
Fruit trees	25,2%	19,6%
Ornamental and/or trade flowers	9,7%	5,1%
Practicing horticulture	**50,7%**	**41,5%**

Map 4.3.1. Proportion of agricultural households practicing horticulture by district and season



4.3.3. Use and cost of agricultural inputs

a) The use of improved seeds and pesticides/fungicides is still low; on the other hand, the fertilizers, and especially the organic fertilizers, are of a common use for many of farmers.

The chart 4.3.2 and table 4.3.3 below (see also the tables A.4.3.1a and A.4.3.1b in annex) point out clearly the level of agricultural inputs used by type of inputs: that of improved seeds, pesticides/fungicides and fertilizers, among which organic fertilizers (manure of big and small animals and compost) and chemical. They show, indeed, that the use of improved seeds and pesticides/fungicides was not popularized enough in 2008: only 13% and 7% of agricultural households declared having used improved seeds during the seasons A et B, respectively. While the pesticides/fungicides were used by 16% et 14% of agricultural households during the same seasons.

With regards to the fertilizers, they were used, in association or otherwise, by 75% and 62% during the season A and B respectively. The most popular ones were organic fertilizers (manure of big and small animals and compost): they were in use in 38-41% and 23-33% of agricultural households during the first and second seasons respectively. Concerning the chemical fertilizers, only 18% and 14% of households had access to their use during the same seasons (respectively).

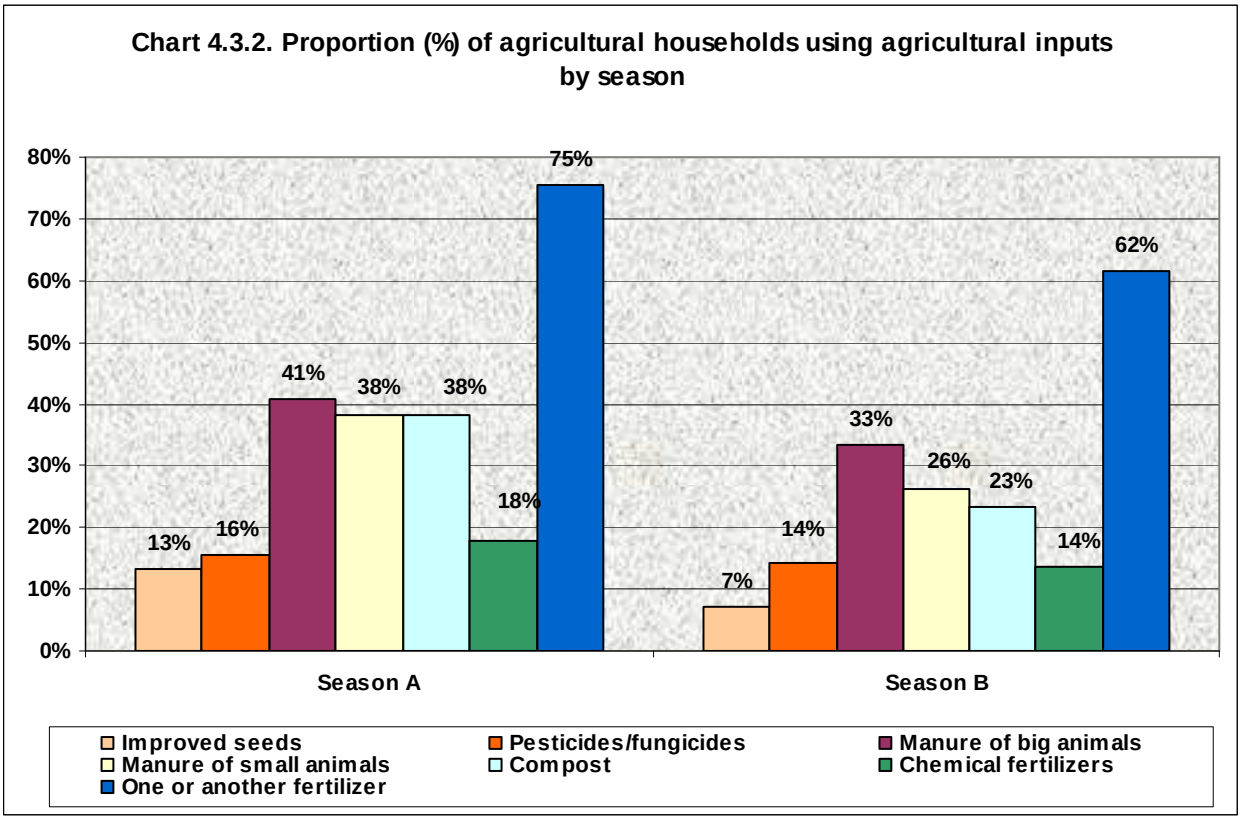


Table 4.3.3. Distribution of agricultural households who have used agricultural inputs by season

	Season A		Season B	
	Number	%	Number	%
Improved seeds	222 530	13.3%	119 619	7.1%
Pesticides/fungicides	262 159	15.7%	236 933	14.2%
One or another fertilizer, among which:	1 262 372	75.4%	1 033 268	61.7%
Manure of big animals	*681 630*	*40.7%*	*557 082*	*33.3%*
Manure of small animals	*639 785*	*38.2%*	*439 906*	*26.3%*
Compost	*640 589*	*38.3%*	*391 685*	*23.4%*
Chemical fertilizers	*297 191*	*17.7%*	*229 421*	*13.7%*

b) The agricultural inputs that are mostly purchased by farmers are traditional seeds, agricultural equipments and agricultural manpower.

Irrespective of season, in 2008 the agricultural inputs purchased by most of farmers were traditional seeds (between 60-75% of agricultural households, every season), agricultural equipments (between 51-68% of agricultural households, every season) and agricultural manpower (between 50-52% of agricultural households, every season). With regards to pesticides products, between 20-26% of agricultural households were purchasing them every season. Those who were able to buy improved seeds and fertilizers (chemical and organic) were only between 7-15% of all agricultural households (see chart 4.3.3, tables 4.3.4a and 4.3.4b below and tables from A.4.3.2a1 to A.4.3.2b2 in annex).

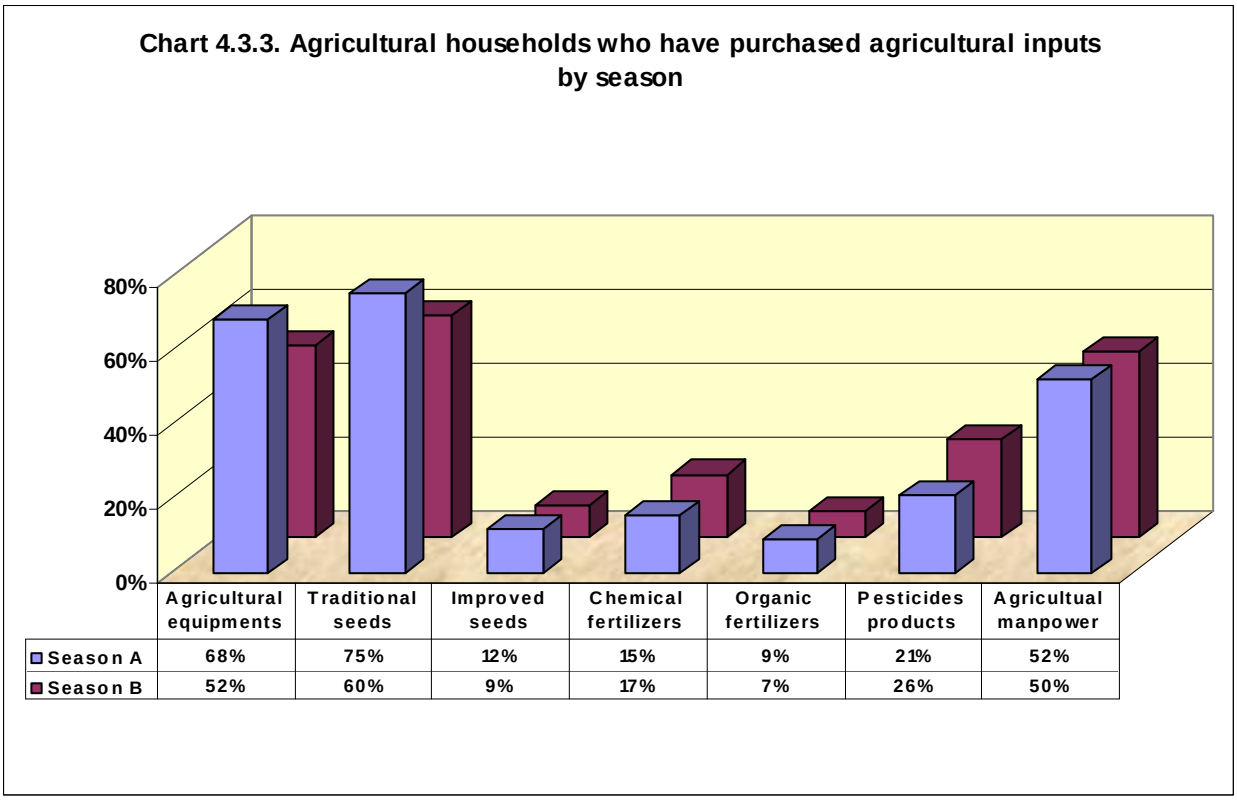


Table 4.3.4a. Number of agricultural households who purchased agricultural inputs by province and during the season 2008A

	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides products	Agricultural manpower	Total
Number								
Kigali City	31 438	37 032	4 579	5 006	3 760	11 273	27 162	50 373
South	360 772	379 991	77 706	56 933	34 912	87 627	227 070	461 711
West	278 279	338 414	39 411	107 904	58 441	121 667	224 937	436 512
North	213 509	247 429	40 489	61 810	40 273	78 171	172 914	327 250
East	256 670	256 136	33 858	23 876	14 090	53 050	218 609	398 841
Total	**1 140 669**	**1 259 002**	**196 043**	**255 528**	**151 476**	**351 788**	**870 691**	**1 674 687**
Percentages								
Kigali City	62.4%	73.5%	9.1%	9.9%	7.5%	22.4%	53.9%	100.0%
South	78.1%	82.3%	16.8%	12.3%	7.6%	19.0%	49.2%	100.0%
West	63.8%	77.5%	9.0%	24.7%	13.4%	27.9%	51.5%	100.0%
North	65.2%	75.6%	12.4%	18.9%	12.3%	23.9%	52.8%	100.0%
East	64.4%	64.2%	8.5%	6.0%	3.5%	13.3%	54.8%	100.0%
Total	**68.1%**	**75.2%**	**11.7%**	**15.3%**	**9.0%**	**21.0%**	**52.0%**	**100.0%**

Tableau 4.3.4b. Number of agricultural households who purchased agricultural inputs by province and during the season 2008B

	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides products	Agricultural manpower	Total
Number								
Kigali City	13 984	26 659	21 319	22 798	18 570	24 049	19 073	50 373
South	253 843	312 059	97 651	205 196	72 431	268 326	218 941	461 711
West	238 921	319 517	8 353	30 338	7 523	100 632	224 924	436 512
North	152 347	235 223	13 076	22 268	12 361	33 712	172 439	327 250
East	208 468	104 105	2 489	2 844	1 777	13 638	201 255	398 841
Total	**867 563**	**997 563**	**142 888**	**283 444**	**112 661**	**440 357**	**836 632**	**1 674 687**
Percentages								
Kigali City	**27.8%**	**52.9%**	**42.3%**	**45.3%**	**36.9%**	**47.7%**	**37.9%**	**100%**
South	**55.0%**	**67.6%**	**21.1%**	**44.4%**	**15.7%**	**58.1%**	**47.4%**	**100%**
West	**54.7%**	**73.2%**	**1.9%**	**7.0%**	**1.7%**	**23.1%**	**51.5%**	**100%**
North	**46.6%**	**71.9%**	**4.0%**	**6.8%**	**3.8%**	**10.3%**	**52.7%**	**100%**
East	**52.3%**	**26.1%**	**0.6%**	**0.7%**	**0.4%**	**3.4%**	**50.5%**	**100%**
Total	**51.8%**	**59.6%**	**8.5%**	**16.9%**	**6.7%**	**26.3%**	**50.0%**	**100%**

c) Of all the expenditures in agricultural inputs, it was the cost of the agricultural manpower that is the most expensive for farmers.

The 2008 NAS 2008 revealed that the cost of the agricultural manpower is heavier than other expenditures engaged for agricultural inputs (see chart 4.3.4. above). The former represents, indeed, 40% of all the expenditures engaged for agricultural inputs. It was followed by that of traditional seeds (26%), chemical fertilizers (12%), mainly with the predominance of NPK (about 70% of expenditures for chemical fertilizers), Agricultural equipments (11%), l Pesticides products (7%), but mainly the Dithane (about 70% expenditures for Pesticides products) and improved seeds (2%).

The chart 4.3.5, shows the variability of input expenditures by season. It shows that the seasons A and B cost, respectively, 52% and 48% of the annual input expenditures. The cost of manpower did not vary so much from one season to another. However, the expenditures that varied significantly (between the two seasons A and B) were organic fertilizers and pesticide products (respectively from 63-37% to 38-62%), improved seeds and agricultural equipments (respectively from 59-41% to 58-42%), traditional seeds and chemical fertilizers (from 56-44% to 43-57%).

Maps 4.3.2 and 4.3.3 below point out the variability of the total expenditures at district level as well as between seasons within the same district. On the other hand, the tables from 4.3.5a to 4.3.5c below and the related ones presented in annex (tables from A 4.3.1a1 to A 4.3.1c2) show the same facts, between the components of expenditures and seasons.

Chart 4.3.4. Structure of expenditures for agricultural inputs

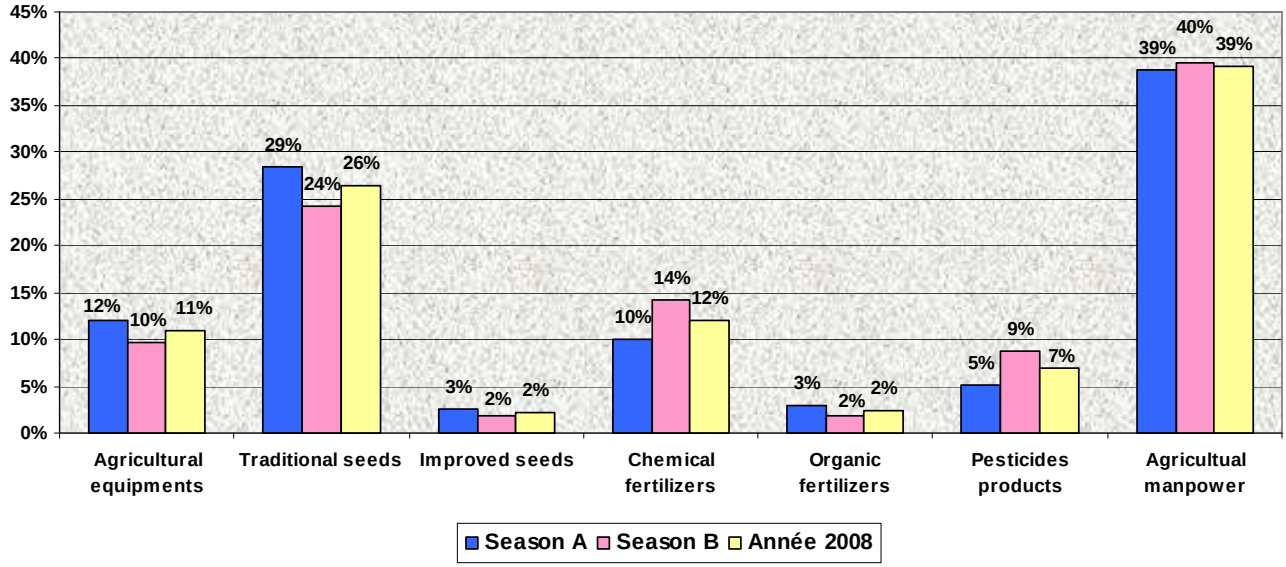
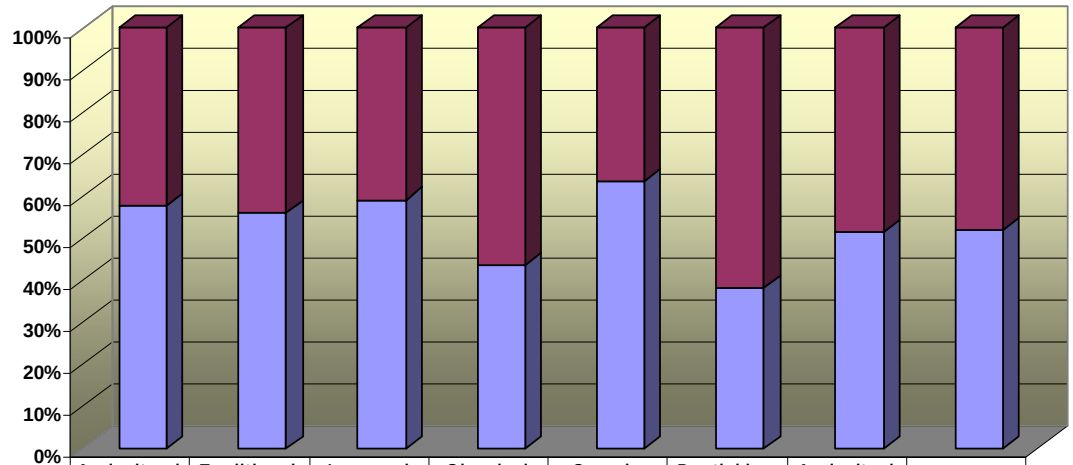
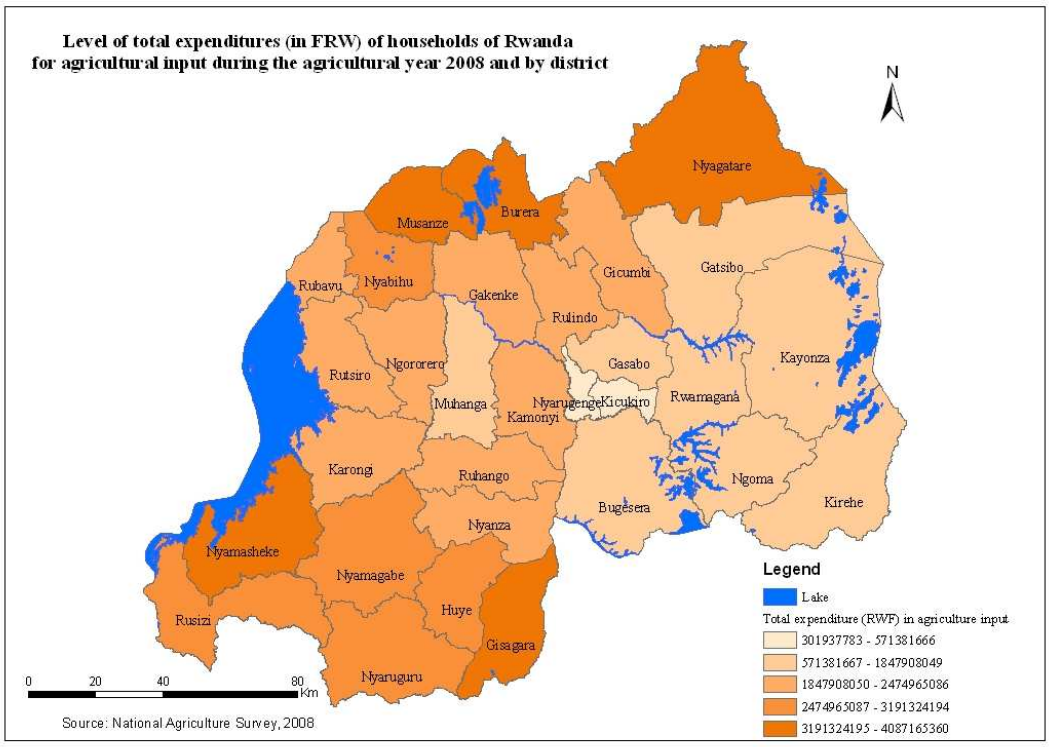


Chart 4.3.5. Seasonal weight of the expenditures (in RWF) in agricultural inputs



	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides products	Agricultual manpower	Total
Season B	42%	44%	41%	57%	37%	62%	49%	48%
Season A	58%	56%	59%	43%	63%	38%	51%	52%

Map 4.3.2. Level of total expenditures (in RWF) of households of Rwanda for agricultural input during the agricultural year 2008 and by district.



Map 4.3.3. Level of total expenditures (in RWF) of households of Rwanda for agricultural input by district and by 2008 seasons

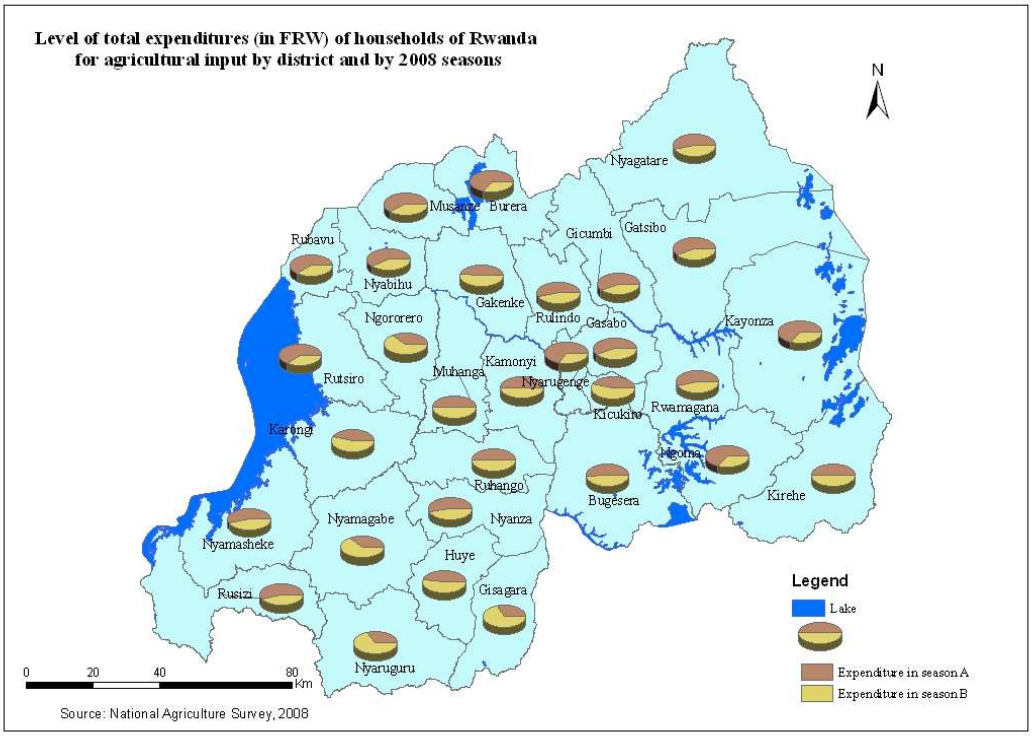


Table 4.3.5a. Structure of household expenditures (in RWF) for agricultural inputs by province during the season 2008A

	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides products	Agricultural manpower	Total
Amount								
Kigali City	137 473 565	308 180 369	7 655 507	29 821 486	29 766 887	53 184 608	621 368 827	1 187 451 250
South	1 283 296 713	2 570 910 153	230 249 377	477 896 190	183 981 701	196 549 447	3 889 202 375	8 832 085 955
West	913 273 326	2 704 634 987	165 410 089	1 875 542 803	502 464 068	713 915 148	2 937 705 924	9 812 946 345
North	778 498 824	2 995 598 501	341 124 031	990 612 492	245 799 798	361 559 808	2 289 045 690	8 002 239 143
East	1 225 289 372	1 656 483 569	134 122 881	263 181 457	88 143 726	492 616 390	4 161 548 990	8 021 386 383
Total	**4 337 831 800**	**10 235 807 578**	**878 561 885**	**3 637 054 428**	**1 050 156 179**	**1 817 825 400**	**13 898 871 806**	**35 856 109 077**
Percentages								
Kigali City	11.6%	26.0%	0.6%	2.5%	2.5%	4.5%	52.3%	100%
South	14.5%	29.1%	2.6%	5.4%	2.1%	2.2%	44.0%	100%
West	9.3%	27.6%	1.7%	19.1%	5.1%	7.3%	29.9%	100%
North	9.7%	37.4%	4.3%	12.4%	3.1%	4.5%	28.6%	100%
East	15.3%	20.7%	1.7%	3.3%	1.1%	6.1%	51.9%	100%
Total	**12.1%**	**28.5%**	**2.5%**	**10.1%**	**2.9%**	**5.1%**	**38.8%**	**100%**

Table 4.3.5b. Structure of household expenditures (in RWF) for agricultural inputs by province during the season 2008B

	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides products	Agricultural manpower	Total
Amount								
Kigali City	77 565 523	82 757 546	93 466 174	103 087 457	83 253 463	93 106 970	440 093 750	973 330 884
South	822 803 925	1 715 904 492	433 461 128	3 652 876 421	419 281 291	1 568 096 753	3 269 781 779	11 882 205 790
West	644 686 791	3 287 375 311	18 020 884	591 571 595	42 857 547	913 134 618	2 993 420 534	8 491 067 280
North	418 465 208	2 412 143 777	59 834 441	359 063 696	55 642 206	137 366 147	2 240 991 802	5 683 507 279
East	1 240 153 079	521 830 395	1 677 259	18 732 268	6 760 358	216 625 928	4 166 180 274	6 171 959 560
Total	**3 203 674 527**	**8 020 011 520**	**606 459 887**	**4 725 331 438**	**607 794 865**	**2 928 330 416**	**13 110 468 140**	**33 202 070 793**
Percentages								
Kigali City	8,0%	8,5%	9,6%	10,6%	8,6%	9,6%	45,2%	100%
South	6,9%	14,4%	3,6%	30,7%	3,5%	13,2%	27,5%	100%
West	7,6%	38,7%	0,2%	7,0%	0,5%	10,8%	35,3%	100%
North	7,4%	42,4%	1,1%	6,3%	1,0%	2,4%	39,4%	100%
East	20,1%	8,5%	0,0%	0,3%	0,1%	3,5%	67,5%	100%
Total	**9,6%**	**24,2%**	**1,8%**	**14,2%**	**1,8%**	**8,8%**	**39,5%**	**100%**

Tableau 4.3.5c. Structure of household expenditures (in RWF) for agricultural inputs by province during the agricultural year 2008

	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides products	Agricultural manpower	Total
Amount								
Kigali City	215 039 088	390 937 915	101 121 681	132 908 943	113 020 350	146 291 578	1 061 462 577	2 160 782 134
South	2 106 100 638	4 286 814 645	663 710 505	4 130 772 611	603 262 992	1 764 646 200	7 158 984 154	20 714 291 745
West	1 557 960 117	5 992 010 298	183 430 973	2 467 114 398	545 321 615	1 627 049 766	5 931 126 458	18 304 013 625
North	1 196 964 032	5 407 742 278	400 958 472	1 349 676 188	301 442 004	498 925 955	4 530 037 492	13 685 746 422
East	2 465 442 451	2 178 313 964	135 800 140	281 913 725	94 904 084	709 242 318	8 327 729 264	14 193 345 943
Total	**7 541 506 327**	**18 255 819 098**	**1 485 021 772**	**8 362 385 866**	**1 657 951 044**	**4 746 155 816**	**27 009 339 946**	**69 058 179 870**
Percentages								
Kigali City	9.95%	18.09%	4.68%	6.15%	5.23%	6.77%	49.12%	100,00%
South	10.17%	20.69%	3.20%	19.94%	2.91%	8.52%	34.56%	100,00%
West	8.51%	32.74%	1.00%	13.48%	2.98%	8.89%	32.40%	100,00%
North	8.75%	39.51%	2.93%	9.86%	2.20%	3.65%	33.10%	100,00%
East	17.37%	15.35%	0.96%	1.99%	0.67%	5.00%	58.67%	100,00%
Total	**10.92%**	**26.44%**	**2.15%**	**12.11%**	**2.40%**	**6.87%**	**39.11%**	**100,00%**

4.3.2. Crop production

The crop production recorded during the agricultural year 2008 is presented in details (by product, season and annual total) in table 4.3.7 below. Similar data disaggregated by province and district are also presented in the annex (see tables from A 4.3.6a to A 4.3.6c). From the quantities produced (in tons), their nutritional equivalent was estimated, in calories, proteins and fats (see table 4.3.6 and chart 4.3.6 below). It appears, from there, that it is the root crop production that contributed the most to the food basket of vegetal products of a Rwandan person, with 869 calories/person/day (44,8% of the total calories from vegetal source). It is followed by that of fruits (378 Cal/per/day), pulses (335 Cal/per/day) and cereals (260 Cal/per/day), that contribute, respectively, for 19.4%, 17.2% and 13.4% of the total calories from vegetal source.

All other product groups (oil crops, vegetables, sugar, stimulants and spices) represent not more than 5.2% of total caloric energy, that is 100 Cal/per/day (see chart 4.3.4 below). All those product groups constitute a total of 1942 Cal/per/day, 49 Prot/per/day (in Grs) et 14 Fat/per/day (in Grs). This level of nutritional provisions is in line with FAO estimates through its Food Balance Sheets for in 2003, in which it is established that the food availability from vegetal source was evaluated at 2005 Cal/pr/day, 43 Prot/per/day et 10 Fat/per/day. Indeed, the products considered here were mainly for domestic consumption and constitute its bulk proportion (without taking into consideration other possible external food provisions, in this case from imports).

Among the crop production, some quantities are intended for sale and constituted a source for monetary income for agricultural households. For example, during the agricultural year 2008, some product groups were sold in the following proportions: fruits for 52%, cereals for about 48%, vegetables for about 40%, roots and tubers for 30%, oil crops for 13% and pulses for about 9% (see table 4.3.8).

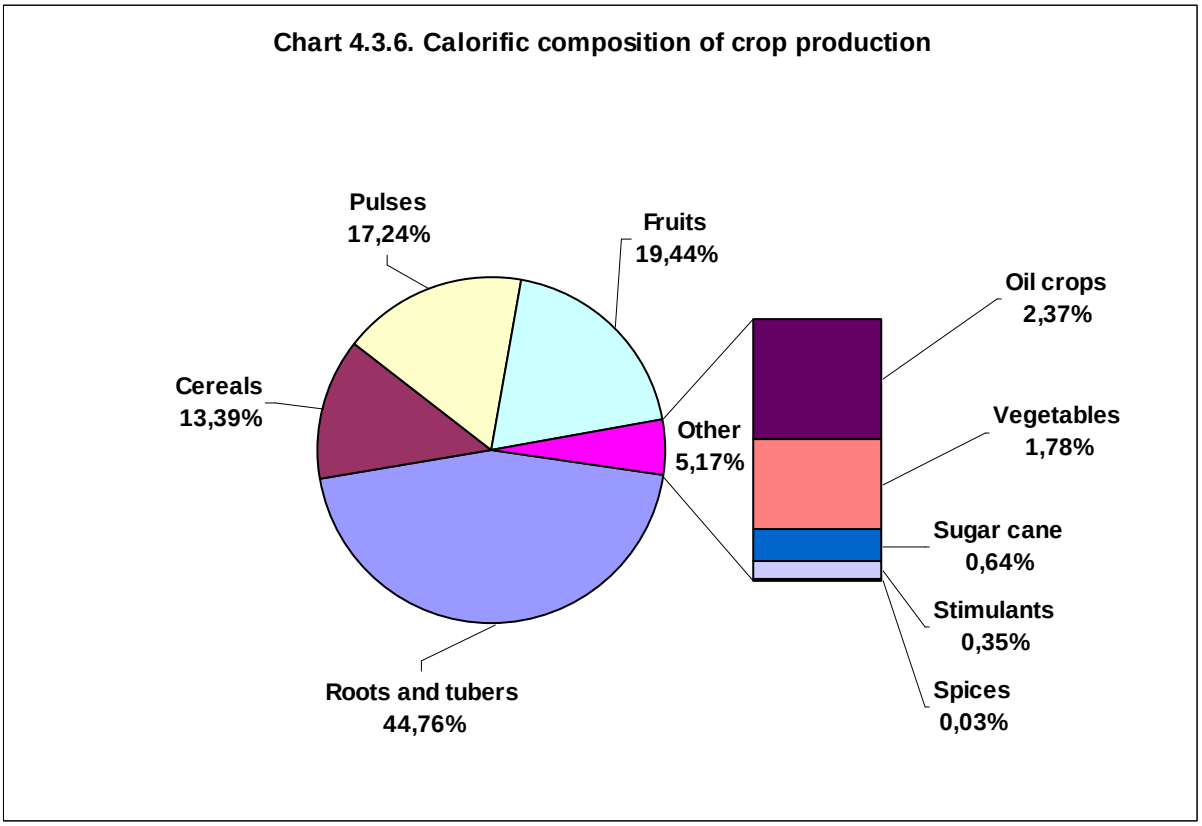


Table 4.3.6. Nutritional equivalent of crop products

Crop product groups	Cal/per/day	Prot/per/day Grs	Fat/per/day Grs	% Cal
Roots and tubers	869	9	2	44.76%
Cereals	260	7	3	13.39%
Pulses	335	22	2	17.24%
Fruits	378	4	5	19.44%
Oil crops	46	3	4	2.37%
Vegetables	35	2	0	1.78%
Sugar cane	12	0	0	0.64%
Stimulants	7	1	0	0.35%
Spices	1	0	0	0.03%
Total vegetal	**1942**	**49**	**14**	**100.00%**

Table 4.3.7. Crop production by product and season

Products		Tons			Quantity % Line			% Column	
	SeasonA	SeasonB	Total	SeasonA	SeasonB	Total	SeasonA	SeasonB	Total
Sorghum	25775	87371	**113146**	22.8%	77.2%	100%	28.9%	61.1%	48.7%
Maize	49508	29927	**79435**	62.3%	37.7%	100%	55.5%	20.9%	34.2%
Wheat	2133	6114	**8247**	25.9%	74.1%	100%	2.4%	4.3%	3.6%
Paddy Rice	11854	19539	**31393**	37.8%	62.2%	100%	13.3%	13.7%	13.5%
Total Cereals	**89271**	**142952**	**232223**	**38.4%**	**61.6%**	**100%**	**100.0%**	**100.0%**	**100.0%**
Cassava soft	94055	80316	**174371**	53.9%	46.1%	100%	6.5%	5.7%	6.1%
Cassava bitter	396924	407246	**804170**	49.4%	50.6%	100%	27.5%	28.9%	28.2%
Sweet potatoes	626599	507687	**1134286**	55.2%	44.8%	100%	43.4%	36.0%	39.8%
Potatoes	301907	324602	**626509**	48.2%	51.8%	100%	20.9%	23.0%	22.0%
Taro	24203	86404	**110607**	21.9%	78.1%	100%	1.7%	6.1%	3.9%
Yam	711	2463	**3174**	22.4%	77.6%	100%	0.0%	0.2%	0.1%
Total Roots and Tubers	**1444399**	**1408718**	**2853117**	**50.6%**	**49.4%**	**100%**	**100.0%**	**100.0%**	**100.0%**
Bush beans	103784	81696	**185480**	56.0%	44.0%	100%	64.0%	60.8%	62.5%
Climbing beans	51874	44961	**96835**	53.6%	46.4%	100%	32.0%	33.5%	32.6%
Peas	6612	7673	**14285**	46.3%	53.7%	100%	4.1%	5.7%	4.8%
Total Pulses	**162270**	**134330**	**296600**	**54.7%**	**45.3%**	**100%**	**100.0%**	**100.0%**	**100.0%**
Groundnuts	5850	5622	**11472**	51.0%	49.0%	100%	39.9%	35.7%	37.7%
Soybeans	7632	8692	**16324**	46.8%	53.2%	100%	52.1%	55.1%	53.7%
Sunflower seed	1170	1455	**2625**	44.6%	55.4%	100%	8.0%	9.2%	8.6%
Total Oil crops	**14652**	**15769**	**30421**	**48.2%**	**51.8%**	**100%**	**100.0%**	**100.0%**	**100.0%**
Sugar cane	**31426**	**27412**	**58838**	**53.4%**	**46.6%**	**100%**	**100.0%**	**100.0%**	**100.0%**
String beans	1300	1019	**2319**	56.1%	43.9%	100%	0.7%	0.6%	0.7%
Green beans	26707	16793	**43500**	61.4%	38.6%	100%	14.4%	10.7%	12.7%
Green peas	2861	2310	**5171**	55.3%	44.7%	100%	1.5%	1.5%	1.5%
Green Maize	25487	19480	**44967**	56.7%	43.3%	100%	13.7%	12.4%	13.1%
Cabbages	289	94	**383**	75.5%	24.5%	100%	0.2%	0.1%	0.1%
Cauliflower	39079	31749	**70828**	55.2%	44.8%	100%	21.1%	20.1%	20.6%
Tomatoes	21717	19318	**41035**	52.9%	47.1%	100%	11.7%	12.3%	12.0%
Carrots	21 717	19 318	**41 035**	52.9%	47.1%	100%	11.7%	12.3%	12.0%
Cucumbers	292	178	**470**	62.1%	37.9%	100%	0.2%	0.1%	0.1%
Beets	108	2947	**3055**	3.5%	96.5%	100%	0.1%	1.9%	0.9%
Lettuce	67	0	**67**	100.0%	0.0%	100%	0.0%	0.0%	0.0%
Spinach	176	153	**329**	53.5%	46.5%	100%	0.1%	0.1%	0.1%
Garlic	81	349	**430**	18.8%	81.2%	100%	0.0%	0.2%	0.1%
Eggplants	12153	17906	**30059**	40.4%	59.6%	100%	6.5%	11.4%	8.8%
Pumpkins	16731	8748	**25479**	65.7%	34.3%	100%	9.0%	5.5%	7.4%
Onions	5477	2853	**8330**	65.8%	34.2%	100%	3.0%	1.8%	2.4%
Okra	8	11	**19**	42.1%	57.9%	100%	0.0%	0.0%	0.0%
Leeks	1355	467	**1822**	74.4%	25.6%	100%	0.7%	0.3%	0.5%
Pepper	1072	885	**1957**	54.8%	45.2%	100%	0.6%	0.6%	0.6%
Celery	294	97	**391**	75.2%	24.8%	100%	0.2%	0.1%	0.1%
parsley	20	19	**39**	51.3%	48.7%	100%	0.0%	0.0%	0.0%
Chilies (Pili-pili)	457	186	**643**	71.1%	28.9%	100%	0.2%	0.1%	0.2%
Mushrooms	4135	4973	**9108**	45.4%	54.6%	100%	2.2%	3.2%	2.7%
Vegetables dodo	17659	16620	**34279**	51.5%	48.5%	100%	9.5%	10.5%	10.0%
Cassava leaves	5852	6499	**12351**	47.4%	52.6%	100%	3.2%	4.1%	3.6%
Moringa	11	10	**21**	52.4%	47.6%	100%	0.0%	0.0%	0.0%
Total Vegetables	**185607**	**157652**	**343259**	**54.1%**	**45.9%**	**100%**	**100.0%**	**100.0%**	**100.0%**

Tableau 4.3.7. Crop production by product and season (continuous)

	Quantity								
	Tons			% Line			% Column		
Products	SeasonA	SeasonB	Total	SeasonA	SeasonB	Total	SeasonA	SeasonB	Total
Cooking banana	380062	287575	**667637**	56.9%	43.1%	100%	38.1%	42.2%	39.8%
Beer banana	486681	309449	**796130**	61.1%	38.9%	100%	48.8%	45.4%	47.4%
Banana fruits Kamaramasenge	19412	7720	**27132**	71.5%	28.5%	100%	1.9%	1.1%	1.6%
Other banana fruits	39399	24660	**64059**	61.5%	38.5%	100%	3.9%	3.6%	3.8%
Orange	335	1247	**1582**	21.2%	78.8%	100%	0.0%	0.2%	0.1%
Lemon	718	1436	**2154**	33.3%	66.7%	100%	0.1%	0.2%	0.1%
Mango	5629	936	**6565**	85.7%	14.3%	100%	0.6%	0.1%	0.4%
Guava	1566	2781	**4347**	36.0%	64.0%	100%	0.2%	0.4%	0.3%
Passion fruit	92	259	**351**	26.2%	73.8%	100%	0.0%	0.0%	0.0%
Pineapples	7851	10357	**18208**	43.1%	56.9%	100%	0.8%	1.5%	1.1%
Strawberries	19	23	**42**	45.2%	54.8%	100%	0.0%	0.0%	0.0%
Papaya	5738	1915	**7653**	75.0%	25.0%	100%	0.6%	0.3%	0.5%
Avocado (normal)	47306	28942	**76248**	62.0%	38.0%	100%	4.7%	4.2%	4.5%
Avocado hass	1518	1525	**3043**	49.9%	50.1%	100%	0.2%	0.2%	0.2%
Plum of Japan	1452	2169	**3621**	40.1%	59.9%	100%	0.1%	0.3%	0.2%
Gaperi	157	66	**223**	70.4%	29.6%	100%	0.0%	0.0%	0.0%
Total Fruits	**997934**	**681062**	**1678996**	**59.4%**	**40.6%**	**100%**	**100.0%**	**100.0%**	**100.0%**
Dwarf pepper	495	122	**617**	80.2%	19.8%	100%	98.0%	96.1%	97.6%
Vanilla	10	5	**15**	66.7%	33.3%	100%	2.0%	3.9%	2.4%
Total Spices	**505**	**127**	**632**	**79.9%**	**20.1%**	**100%**	**100.0%**	**100.0%**	**100.0%**
Coffee	3329	24189	**27518**	12.1%	87.9%	100%	26.0%	72.3%	59.5%
Tea	9463	9269	**18732**	50.5%	49.5%	100%	74.0%	27.7%	40.5%
Total Stimulants	**12792**	**33458**	**46250**	**27.7%**	**72.3%**	**100%**	**100.0%**	**100.0%**	**100.0%**
Tobacco	981	189	**1170**	83.8%	16.2%	100%	65.2%	42.7%	60.1%
Pyrethrum	272	63	**335**	81.2%	18.8%	100%	18.1%	14.2%	17.2%
Geranium	20	28	**48**	41.7%	58.3%	100%	1.3%	6.3%	2.5%
Macadamia	29	55	**84**	34.5%	65.5%	100%	1.9%	12.4%	4.3%
Ibobere	16	7	**23**	69.6%	30.4%	100%	1.1%	1.6%	1.2%
Pacuri	66	22	**88**	75.0%	25.0%	100%	4.4%	5.0%	4.5%
Trade flowers	49	29	**78**	62.8%	37.2%	100%	3.3%	6.5%	4.0%
Ornamental flowers	72	50	**122**	59.0%	41.0%	100%	4.8%	11.3%	6.3%
Total Others	**1505**	**443**	**1948**	**77.3%**	**22.7%**	**100%**	**100.0%**	**100.0%**	**100.0%**

Table 4.3.8. Proportion of sales (% according to the production) of crop items, per product groups and season

Products groups	**Season 2008A**	**Season 2008B**	**Total**
Cereals	32.06%	58.18%	48.14%
Roots and Tubers	30.56%	29.63%	30.10%
Pulses	9.89%	7.74%	8.92%
Oil crops	15.01%	10.93%	12.89%
Vegetables	40.01%	39.50%	39.78%
Fruits	54.71%	48.77%	52.30%

4.4. Livestock practices and production

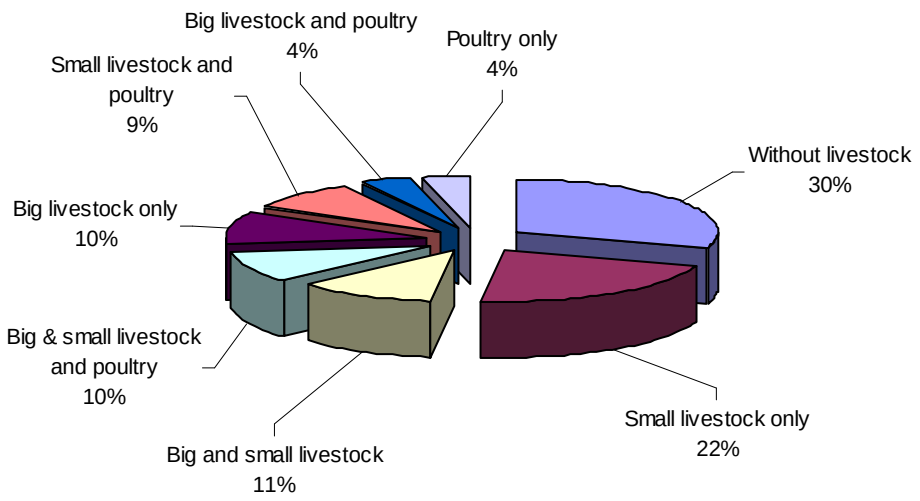
a) 70% of agricultural households in Rwanda are at the same time breeders.

From the 2008 NAS, it was noted that 70% of agricultural households are at the same time breeders, of which 22.9% kept small animals, 31% kept big animals with or without small animal and poultry, 16.9% kept poultry with or without small or big animals (see table 4.4.1 and chart 4.4.1. below). Therefore to arrive at the target recommended by the EDPRS, that proportion of households keeping at least one type of livestock should reach the point of 85% by 2012.

Table 4.4.1. Distribution of agricultural households according to the type of livestock owned

	Without livestock	Small livestock only	Big and small livestock	Big & small livestock & poultry	Big livestock only	Small livestock & poultry	Big livestock & poultry	Poultry only	Total
Number									
Kigali City	14 637	13 989	4 231	4 815	2 113	6 871	1 052	2 665	50 373
South	111 118	92 391	65 271	60 447	56 180	35 719	21 933	18 651	461 711
West	138 715	101 695	44 253	40 609	36 825	43 131	12 486	18 798	436 512
North	96 872	70 262	39 345	36 075	45 084	17 350	14 355	7 906	327 250
East	141 456	91 298	25 918	25 756	33 101	49 199	11 666	20 448	398 841
Total	**502 798**	**369 636**	**179 018**	**167 703**	**173 303**	**152 270**	**61 492**	**68 467**	**1 674 687**
Percentages									
Kigali City	29.10%	27.80%	8.40%	9.60%	4.20%	13.60%	2.10%	5.30%	100.00%
South	24.10%	20.00%	14.10%	13.10%	12.20%	7.70%	4.80%	4.00%	100.00%
West	31.80%	23.30%	10.10%	9.30%	8.40%	9.90%	2.90%	4.30%	100.00%
North	29.60%	21.50%	12.00%	11.00%	13.80%	5.30%	4.40%	2.40%	100.00%
East	35.50%	22.90%	6.50%	6.50%	8.30%	12.30%	2.90%	5.10%	100.00%
Total	**30.00%**	**22.10%**	**10.70%**	**10.00%**	**10.30%**	**9.10%**	**3.70%**	**4.10%**	**100.00%**

Chart 4.4.1 Proportion of breeders agricultural households



b) The system of breeding cattle in stalling sees significant progress in Rwanda.

The table 4.4.2 below shows that the number of agricultural households who are at the same time breeders of cattle was estimated at 581516 (50% of total breeders households) in 2008. The most practiced breeding technique was stalling (78% of cases). Together with those who practiced the mode semi stalling, they constituted 88% of cases. The breeding of animals on hills or in pastures was seldom practiced in Rwanda (only 8% of cases). This situation may be explained by the formal ban on cattle wandering, by an imposition of a fine to whoever violates this law. It is also important to note (from the table 4.4.3 below) that most breeders of cattle possess cowsheds (88.7% of cases).

In the same table 4.4.2, one notes that those breeders households usually feed their animals with fodder found on anti- erosive hedges (42.6% of cases), or glean fodder in bushes (27.1%), or on fodder land (19.1% of cases). In few cases, the animal feed is found from Scattered stalks of fodder, grazing, or purchased (respectively in 7.1%, 0.9% and 4.2% of cases).

Besides, from the table 4.4.4., it is shown that only 33% of agricultural households owned fodder land. Nevertheless, even for those who had some land, most of them (83%) are on very small areas, of not more than 500 m² each.

Related additional information disaggregated by province and district can be found in tables A.4.4.2 and A.4.4.3 in annex.

Table 4.4.2. Distribution of agricultural households who are cattle breeders according to livestock practices and the main source for animal feeding

Main source of animal feeding	Bovine breeding method							
	Housed livestock		Pasture livestock		Semi-housed livestock		Total	
Land of fodder	90 884	15,6%	8 540	1,5%	11 573	2,0%	110 997	19,1%
Fodder on anti- erosive hedges	203 672	35,0%	16 947	2,9%	21 275	3,7%	241 893	41,6%
Scattered stalks of fodder	30 336	5,2%	5 621	1,0%	5 225	0,9%	41 182	7,1%
Glean fodder in bushes	112 565	19,4%	27 917	4,8%	17 288	3,0%	157 770	27,1%
Purchase fodder	16 021	2,8%	6 145	1,1%	2 385	0,4%	24 551	4,2%
Grazing	0	0,0%	5 123	0,9%	0	0,0%	5 123	0,9%
Total	**453 478**	**78,0%**	**70 293**	**12,1%**	**57 745**	**9,9%**	**581 516**	**100,0%**

Table 4.4.3. Distribution of agricultural households who are cattle breeders according to the presence or not of cowsheds

With cowsheds	Number	Percentage
Yes	515 691	88.7%
No	65825	11.3%
Total	**581 516**	**100.0%**

Table 4.4.4. Distribution of agricultural households according to the area size of feeds land

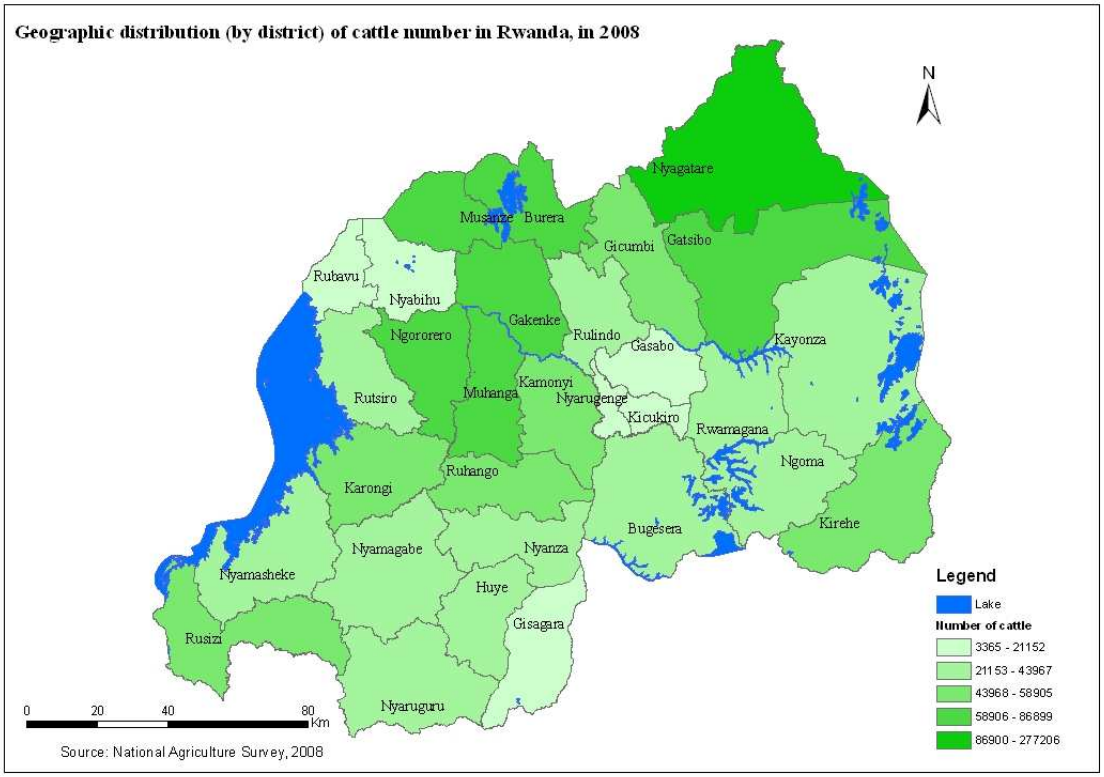
Area of fodder land	Number	Percentage
ZERO	1 128 592	67.4%
01 - 99 m^2	282 192	16.9%
100 - 499 m^2	168 553	10.1%
500 - 999 m^2	42 986	2.6%
1000 - 1999 m^2	25 163	1.5%
2000 - 3999 m^2	12 257	0.7%
4000 m^2& plus	14 946	0.9%
Total	1 674 687	100.0%

c) The structure of the herd of animals is varied in Rwanda.

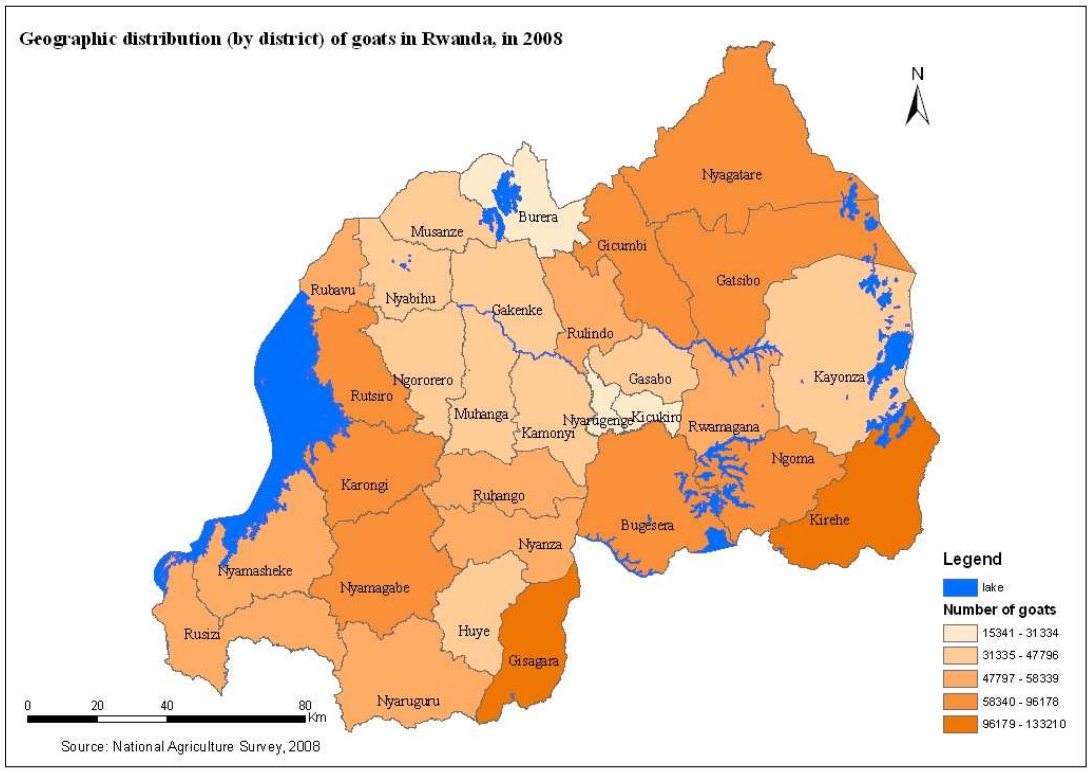
The tables 4.4.5 and 4.4.6 below show that the composition of herd of animals in Rwanda varied. Indeed, in 2008, Rwanda counted 1,548,521 cattle, 1,736,211 goats, 323,003 sheep, 310,833 pigs, 1,026,440 chickens, 134,645 other poultry, 474,512 rabbits and 292,118 guinea pigs. The maps from 4.4.1 to 4.4.6 show, from their side, the distribution of animals by district and display the geographical zones with high or low predominance of every type.

The table 4.4.7 presents the number of births and deaths of livestock as recorded every season. From that table, it appears that during the agricultural year 2008, there no seasonal effect on animal births and deaths.

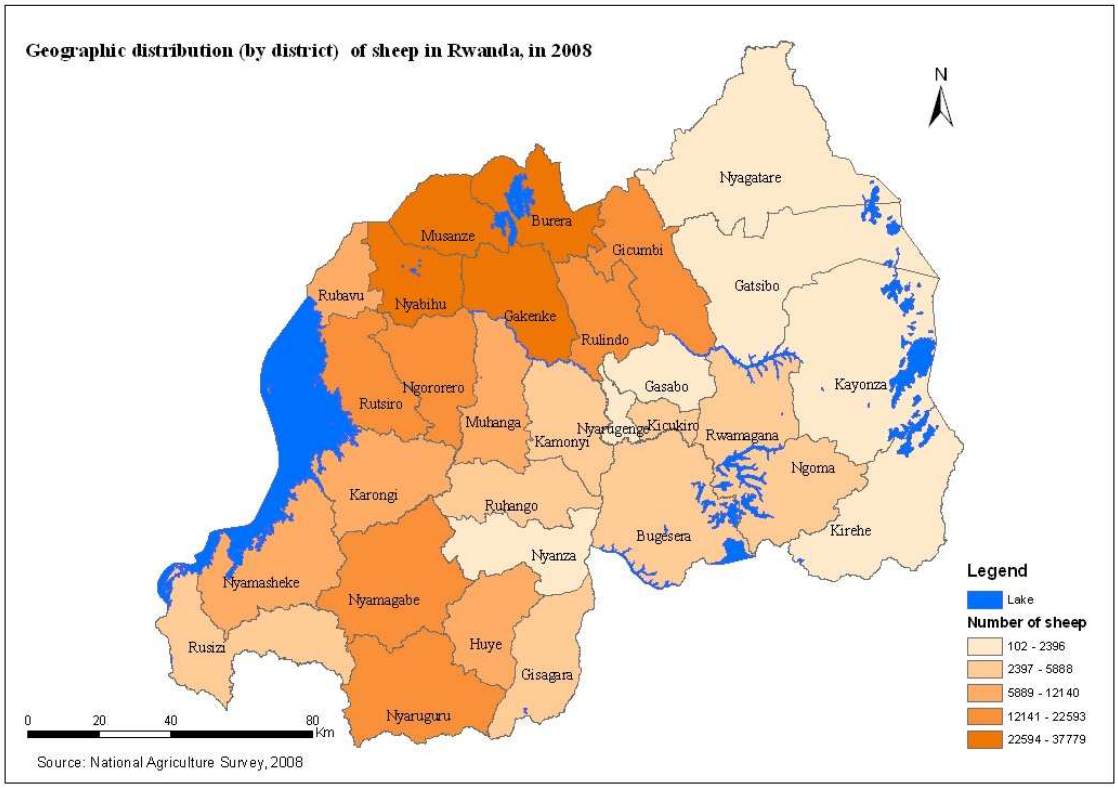
Map 4.4.1. Geographic distribution (by district) of cattle number in Rwanda, in 2008



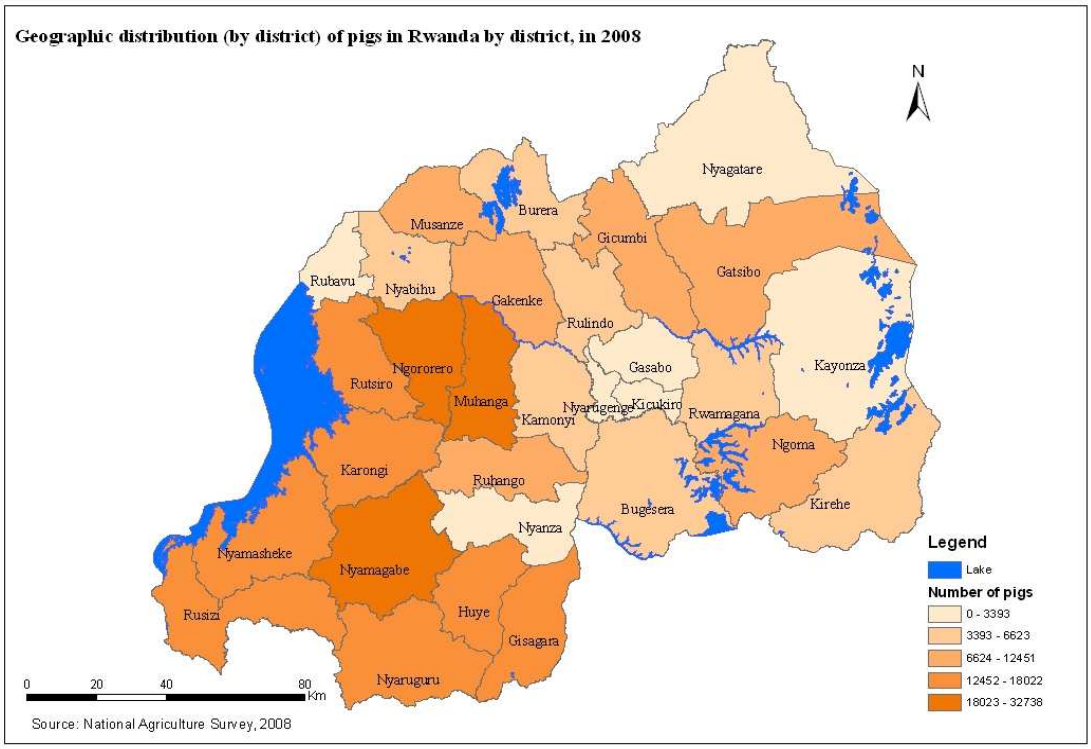
Map 4.4.2. Geographic distribution (by district) of goats in Rwanda, in 2008



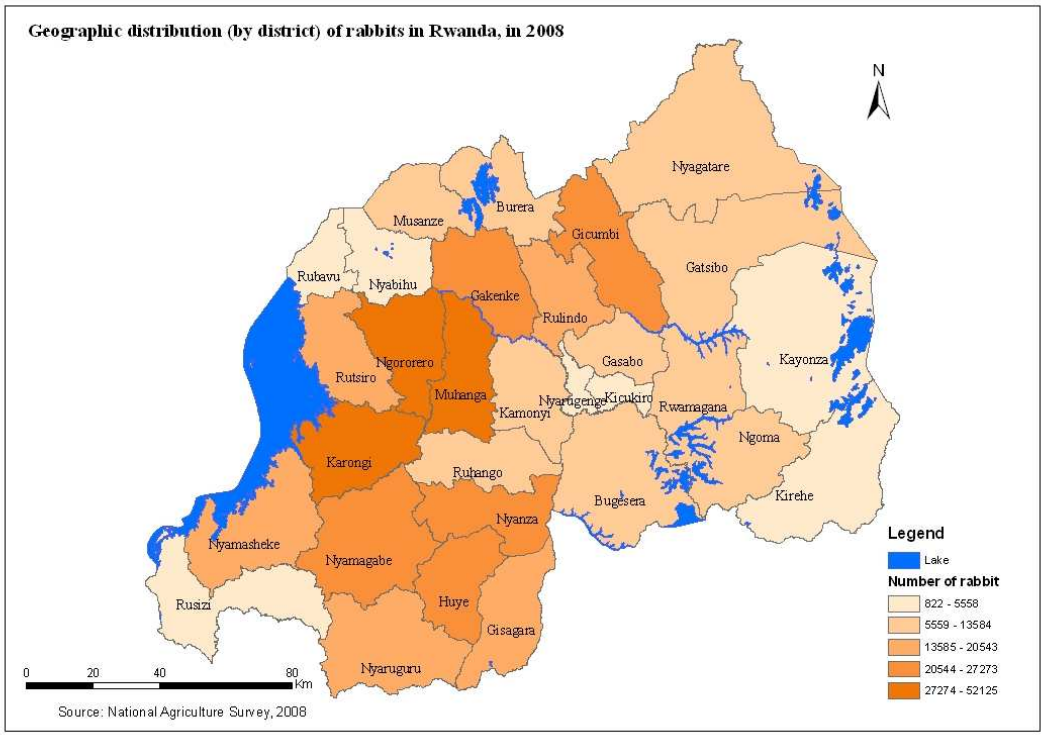
Map 4.4.3. Geographic distribution (by district) of sheep in Rwanda, in 2008



Map 4.4.4. Geographic distribution (by district) of pigs in Rwanda, in 2008



Map 4.4.5. Geographic distribution (by district) of rabbits in Rwanda, in 2008



Map 4.4.6. Geographic distribution (by district) of chickens in Rwanda, in 2008

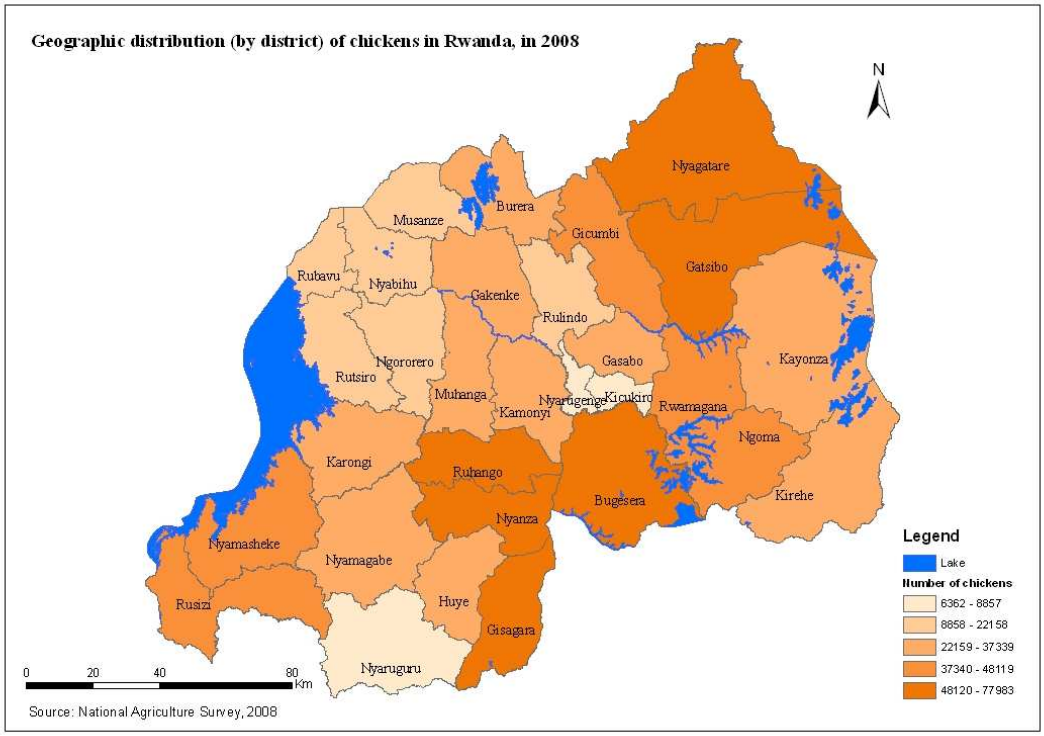


Table 4.4.5. Cattle number by sex, age and race

Cattle	Local race cattle (Ankolée)	Hybrid/exotic races	Total
Adult cows (non lacting)	303 653	55 870	359 523
Lactating Adult cows	171 188	36 319	207 507
Cows (Young)	298 937	44 813	343 750
Calves (Females)	328 615	50 317	378 932
Calves (Males)	178 747	31 049	209 796
Castrated males	6 423	3 375	9 798
Bull	20 060	19 155	39 215
Total	**1 307 623**	**240 898**	**1 548 521**

Table 4.4.6. Number of small livestock by sex and race

Small livestock and poultry	Local race	Lacting local race	Hybrid/exotic races	Lacting hybrid/exotic races	Total
Goats	1 644 642	88 145	91 569		1 736 211
Sheeps	256 450		66 552		323 002
Pigs	243 593		67 240		310 833
Rabbits					474 512
Chicken	959 306		67 135		1026440
Other poultry					159 884
Guinea-pigs					292 118

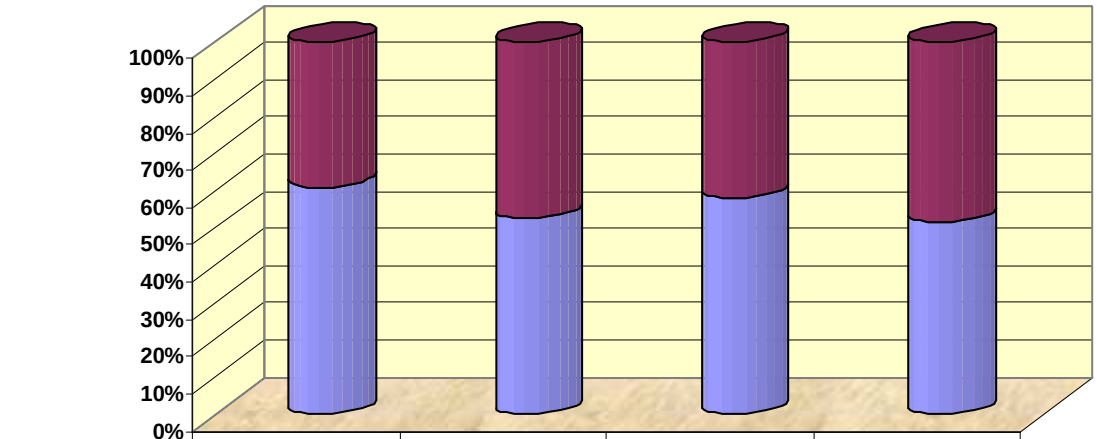
Table 4.4.7. Livestock variation (births and deaths) by season

Type of animal	Births			Loss by death		
Number	Season 2008A	Season 2008B	Total	Season 2008A	Season 2008B	Total
Cattle	224541	205069	429 610	31130	23 914	55 044
Goats	611159	511076	1 122 235	145309	121 039	266 348
Sheeps	101641	112927	214 568	37043	28 314	65 357
Pigs	171113	206976	378 089	49757	86 309	136 066
Rabbits	415536	684365	1 099 901	177748	315 502	493 250
Chicken	1327521	1859882	3 187 403	699575	812 752	1 512 327
Ducks	35926	53167	89 093	23112	22 430	45 542
Turkeys	21688	39241	60 929	11202	8 517	19 719
Guinea-pigs	314994	710735	1 025 729	79762	183 752	263 514
Percentage						
Cattle	52,27%	47,73%	100,00%	56,55%	43,45%	100,00%
Goats	54,46%	45,54%	100,00%	54,56%	45,44%	100,00%
Sheeps	47,37%	52,63%	100,00%	56,68%	43,32%	100,00%
Pigs	45,26%	54,74%	100,00%	36,57%	63,43%	100,00%
Rabbits	37,78%	62,22%	100,00%	36,04%	63,96%	100,00%
Chicken	41,65%	58,35%	100,00%	46,26%	53,74%	100,00%
Ducks	40,32%	59,68%	100,00%	50,75%	49,25%	100,00%
Turkeys	35,60%	64,40%	100,00%	56,81%	43,19%	100,00%
Guinea-pigs	30,71%	69,29%	100,00%	30,27%	69,73%	100,00%

d) The milk and egg production is mostly recorded during the season B.

From the chart 4.4.2 and the table 4.4.8 below, it is shown that the agricultural period that is most favorable for cow milk and hen egg production is the season B. The contribution of cow milk and hen egg productions of the season 2008B in the annual total production was of 61% and 58% respectively. This is explained by the fact that it is during that season that the pasture is more abundant. For the egg production, it is also higher in the same season because it is during that period that chickens have more freedom to move (can therefore feed themselves easily), since they are not confined in the house. In fact, during the season A, they are kept confined to avoid that they damage the crops that are still growing (especially beans).

Chart 4.4.2. Proportion of the milk and eggs production by season



	Cow milk	Other milkt	Hen eggs	Other eggs
Season 2008A	38,9%	47,2%	41,7%	48,1%
Season 2008B	61,1%	52,8%	58,3%	51,9%

Table 4.4.8. Livestock production (in quantity) by item and season

Production (quantity and number)	Season 2008A	Season 2008B	Year 2008
Cow milk (liters)	44 894 019	70 436 105	115 330 124
Other milk (liters)	977 329	1 092 250	2 069 579
Hen eggs (number)	5 148 051	7 199 974	12 348 025
Other eggs (number)	221 634	238 787	460 421

4.5. Fishery, aquaculture and beekeeping practices and production

4.5.1.The aquaculture, fishery and beekeeping activities are not very developed in Rwanda.

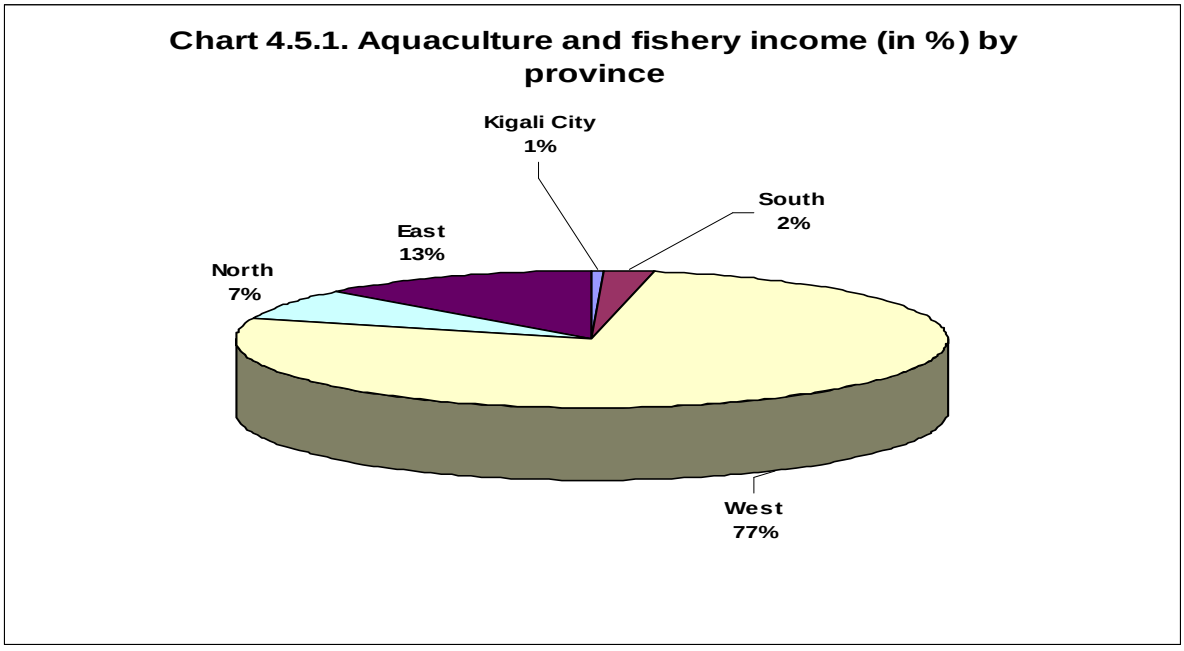
It appears from the table 4.5.1 that aquaculture, fishery and beekeeping activities were not very developed in Rwanda, as of 2008. Few agricultural households declared having fish ponds or engaged in fishery activities. Moreover, only 4% of farmers practiced beekeeping. For more details (date by province and district), to refer to tables from A4.5.1 to A4.5.5c that are presented in the annex.

The table 4.5.2. shows the production and income level obtained from aquaculture and fishery activities (see also the chart 4.5.1). It emerges that the annual total production of fish amounted to about 3100 Tons, providing to the farmers an income to the tune of about 973 millions RWF. The Western province contributed the most to the bulk (77%) of the total income obtained from that sector. It is followed by the Eastern province (13%), and the Northern province (7%), the remaining part of the country contributing only for 3%.

The table 4.5.3 and the chart 4.5.2 show the level of honey production. The former amounted to about 3500 Tons. The Southern province produced the biggest part (41%), followed by the Western (28%), the Northern (19%) and Eastern (11%). Kigali City produces only 1%.

Table 4.5.1. Distribution of agricultural households according to the practice or not of aquaculture, fishery and beekeeping

Fishery, aquaculture and beekeeping practices	Yes		No	
Have fish ponds	2 957	0.2%	1 671 731	99.8%
Practice fishery	10 612	0.6%	1 664 075	99.4%
Practice aquaculture	69 686	4.2%	1 605 001	95.8%



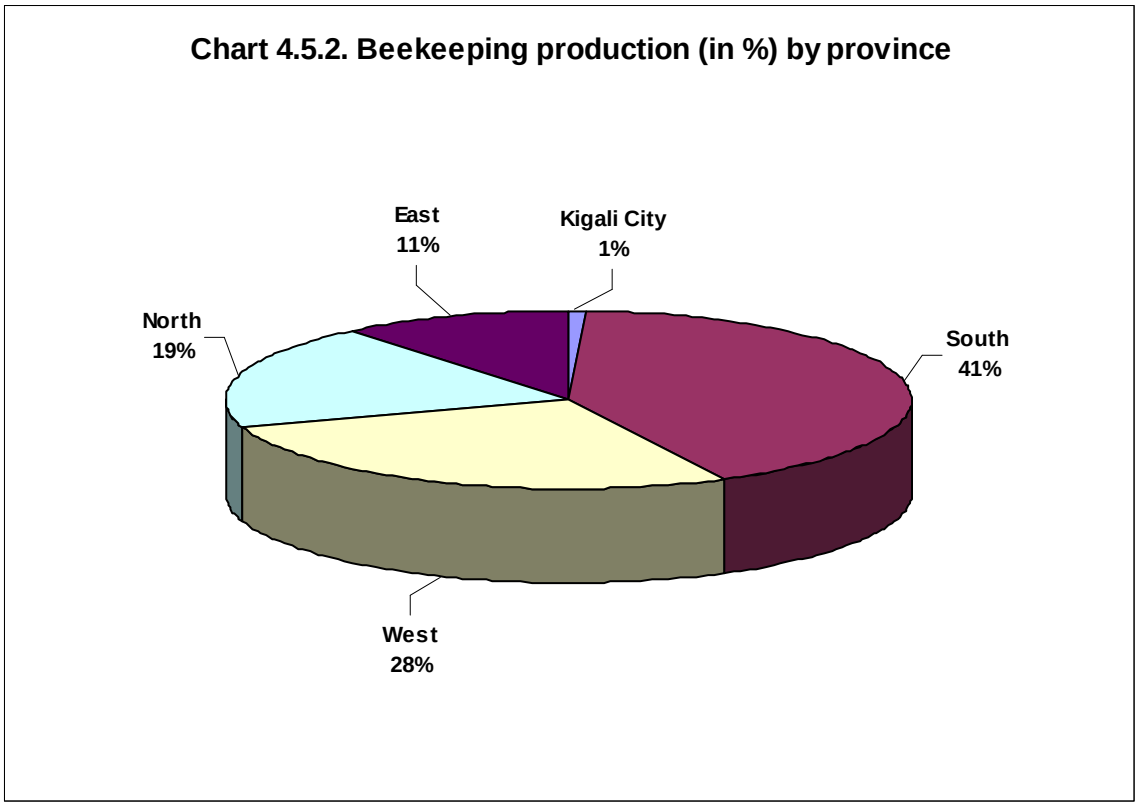


Table 4.5.2 Productions (in Kg) and income (in RWF) from aquaculture and fishery by province and season

Province	Season 2008A		Season 2008A		Total	
	Production	Income	Production	Income	Production	Income
Kigali City	26 263	2 889 054	7 361	2 862 500	33 624	5 751 554
South	17 283	5 821 879	37 553	15 557 469	54 836	21 379 348
West	1 006 222	515 464 216	757 414	234 689 442	1 763 636	750 153 658
North	41 249	21 575 491	134 572	50 369 857	175 821	71 945 348
East	93 730	17 022 654	997 568	106 568 029	1 091 298	123 590 683
Total	**1 184 748**	**562 773 295**	**1 934 467**	**410 047 298**	**3 119 215**	**972 820 593**

Table 4.5.3. Honey Productions (in Kg) by province and season

Province	**Season 2008A**	**Season 2008A**	**Total**
Kigali City	21 755	10228	31 983
South	840 140	608945	1 449 085
West	504 258	460822	965 080
North	407 839	252928	660 767
East	109 677	273106	382 783
Total	**1 883 669**	**1606030**	**3 489 699**

4.6. Forestry practices and income

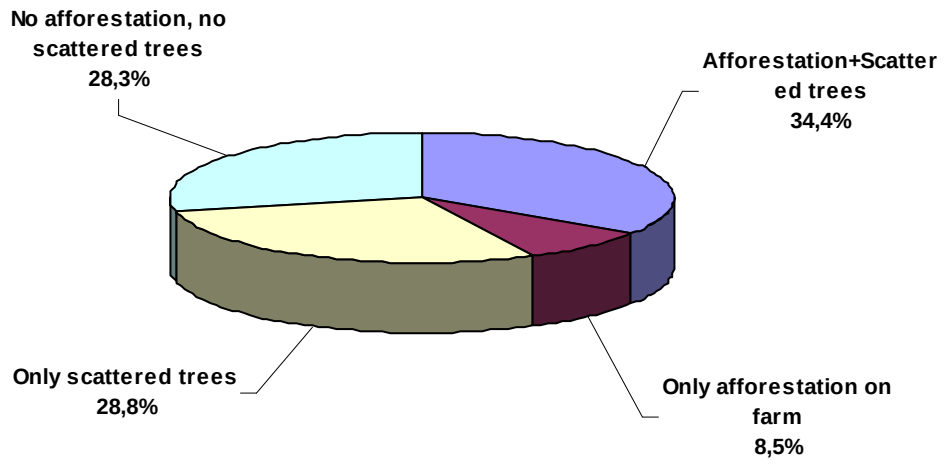
4.6.1. Forestry practices

a) About a third of agricultural households do not have trees in their farms.

From the chart 4.6.1 and the table 4.6.1, it appears that 28.3% of *agricultural households* in Rwanda had no trees in their farms, as of 2008. Those who owned trees and afforestations were 42.9%. The others (28.8%) had scattered trees on their farms.

The map 4.6.1 below and the table A.4.6.1 in annex show that it is in the East province where important proportions of households without trees live.

Chart 4.6.1. Agricultural households according to the presence or not of afforestations or scattered trees on the holding



Map 4.6.1. Proportion of agricultural households having afforestations or scattered trees on the holding, in 2008

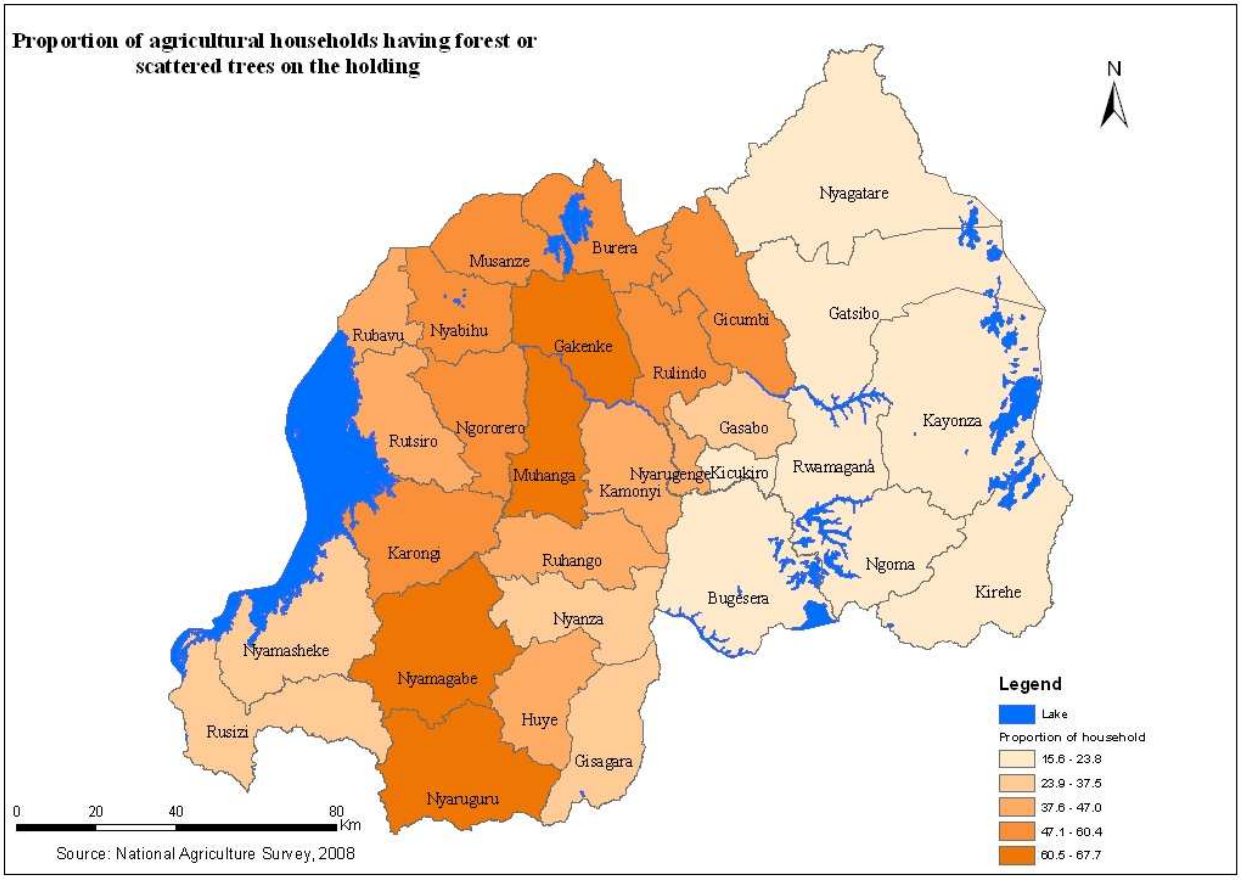


Table 4.6.1. Distribution of agricultural households according to the presence or not of trees on the holding

Existence of trees and/or afforestations	Number	Percentages
Afforestation+Scattered trees	575 603	34.4%
Only afforestation on the farm	142 957	8.5%
Only scattered trees	482 243	28.8%
No afforestation, no scattered trees	473 884	28.3%
Total	**1 674 687**	**100.0%**

b) The afforestations of agricultural households constitute their main wooden source for cooking

The table 4.6.2 below shows that the afforestation of agricultural households constituted their main source of firewood for cooking. Those households with no or not enough afforestations had to glean some wood in the public afforestations or in the neighboring ones, to buy firewood or rely on crop residues.

Table 4.6.2. Distribution of agricultural households according to the presence of afforestations and source of firewood for cooking

Main source of the firewood	Existence of trees on the farm (afforestation or not) ?									
	Afforestation+Scattered trees		Only afforestation on the farm		Only scattered trees		No afforestation, no scattered trees		Total	
Household afforestation	407 873	24.4%	92 220	5.5%	10 368	0.6%	0	0.0%	510 460	30.5%
Glean firewood in public afforestations	25 707	1.5%	7 345	0.4%	71 897	4.3%	66 280	4.0%	171 229	10.2%
Glean firewood in afforestations of neighbors	68 372	4.1%	16 128	1.0%	186 723	11.1%	192 142	11.5%	463 366	27.7%
Use crop residues for cooking	15 209	0.9%	5 379	0.3%	65 323	3.9%	86 609	5.2%	172 519	10.3%
Buy firewood	44 094	2.6%	15 767	0.9%	87 153	5.2%	82 482	4.9%	229 495	13.7%
Other	14 348	0.9%	6 118	0.4%	60 780	3.6%	46 370	2.8%	127 617	7.6%
Total	**575 603**	**34.4%**	**142 957**	**8.5%**	**482 243**	**28.8%**	**473 884**	**28.3%**	**1 674 687**	**100.0%**

c) The level of domestic reforestation is still low in Rwanda.

Despite the relatively high proportion of households without trees, the enthusiasm for domestic reforestation was not significant as of 2008. Indeed, the table 4.6.3 shows that only 22.9% and 11.7% of agricultural households planted new trees during the seasons 2008A and 2008B, respectively. And from the tables A4.6.2a and A4.6.2b in the annex, it is clear that new plants are from different sources, the main one being public tree nurseries.

Table 4.6.3 Distribution of agricultural households according to that they recently planted trees or not and the number of trees planted by season

	Have recently planted trees						Total number of trees recently planted
	Yes		No		Total		
	Number	Percentages	Number	Percentages	Number	Percentages	
Season 2008A	383 720	22.90%	1 290 967	77.10%	1 674 687	100.00%	18 452 316
Season 2008B	196 684	11.70%	1 478 003	88.30%	1 674 687	100.00%	10 764 206

4.6.2. Income generated from forestry activities

a) The average income generated from forestry activities was about 6800 RWF per household in 2008.

The table 4.6.3 below shows that in 2008, the total annual income generated by forestry products rose to about RWF 4.9 billion, which constitute an average of about 6800 RWF per household with afforestations (the total number of households with trees was estimated at 718 560)[6].

[6] It has to be noted that, in order to avoid biased result, the calculation of this average does not include households who have scattered trees only.

b) The income generated by the forestry activity is varied.

From the chart 4.6.2 (as well as from the table 4.6.3) below, it is shown that the forestry products that generated income are the following: timber for construction, charcoal, sawn wood as well as firewood. The timber for construction contributed 35% to the total income from forestry. It is followed by the charcoal income (24%), the sawn wood (23%) and firewood (18%).

Chart 4.6.2. Structure of forestry income

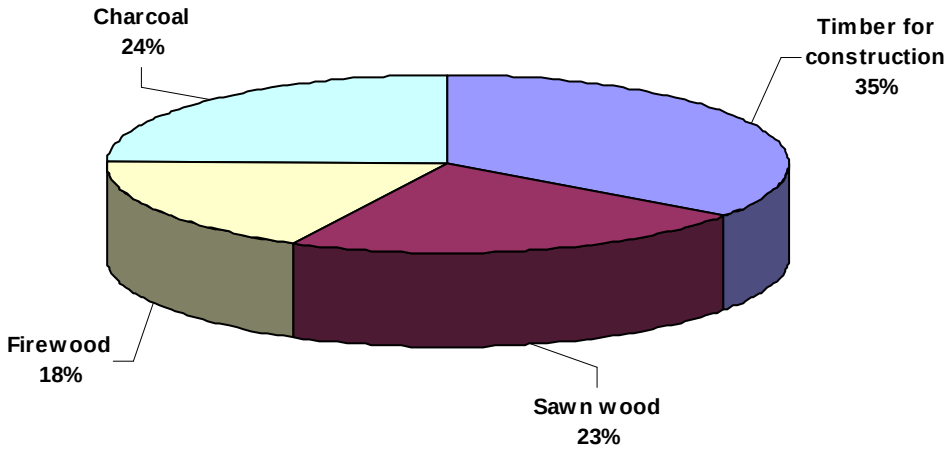


Table 4.6.4. Level and structure forestry income (in RWF)

Season 2008A	Timber for construction	Sawn wood	Firewood	Charcoal	**Total forestry income**	Nb of sacksf charcoal
Kigali City	73 812 401	203 531	44 235 499	29 583 393	**147 834 824**	10 919
South	223 274 568	110 683 916	112 677 193	232 381 671	**679 017 347**	155 594
West	176 720 031	214 258 098	98 884 249	156 084 501	**645 946 879**	82 373
North	128 945 498	72 188 793	106 879 635	291 258 902	**599 272 828**	116 512
East	141 680 360	38 857 516	29 272 902	9 193 711	**219 004 489**	8 553
Rwanda	**744 432 859**	**436 191 853**	**391 949 477**	**718 502 178**	**2 291 076 368**	**373 950**
Season 2008B						
Kigali City	102 027 603	73 578 896	42 695 408	68 490 525	**286 792 432**	22 676
South	169 503 209	245 449 356	125 554 729	228 462 937	**768 970 231**	87 731
West	156 493 476	306 631 389	55 259 920	139 804 807	**658 189 592**	58 666
North	270 258 648	35 245 284	254 862 790	37 175 593	**597 542 315**	16 979
East	266 987 842	14 937 998	11 782 180	4 763 502	**298 471 522**	2 391
Rwanda	**965 270 777**	**675 842 923**	**490 155 027**	**478 697 365**	**2 609 966 092**	**188 442**
Annual Total						
Kigali City	175 840 004	73 782 427	86 930 907	98 073 918	**434 627 256**	33 595
South	392 777 777	356 133 272	238 231 922	460 844 608	**1 447 987 578**	243 325
West	333 213 507	520 889 487	154 144 169	295 889 308	**1 304 136 471**	141 039
North	399 204 146	107 434 077	361 742 425	328 434 495	**1 196 815 143**	133 491
East	408 668 202	53 795 514	41 055 082	13 957 213	**517 476 011**	10 944
Rwanda	**1 709 703 636**	**1 112 034 776**	**882 104 504**	**1 197 199 543**	**4 901 042 460**	**562 392**
Part of the season 2008A (%)						
Kigali City	41,98%	0,28%	50,89%	30,16%	**34,01%**	32,50%
South	56,85%	31,08%	47,30%	50,43%	**46,89%**	63,94%
West	53,04%	41,13%	64,15%	52,75%	**49,53%**	58,40%
North	32,30%	67,19%	29,55%	88,68%	**50,07%**	87,28%
East	34,67%	72,23%	71,30%	65,87%	**42,32%**	78,15%
Rwanda	**43,54%**	**39,22%**	**44,43%**	**60,02%**	**46,75%**	**66,49%**
Part of the season 2008B (%)						
Kigali City	58,02%	99,72%	49,11%	69,84%	**65,99%**	67,50%
South	43,15%	68,92%	52,70%	49,57%	**53,11%**	36,06%
West	46,96%	58,87%	35,85%	47,25%	**50,47%**	41,60%
North	67,70%	32,81%	70,45%	11,32%	**49,93%**	12,72%
East	65,33%	27,77%	28,70%	34,13%	**57,68%**	21,85%
Rwanda	**56,46%**	**60,78%**	**55,57%**	**39,98%**	**53,25%**	**33,51%**

4.7. Food stocks and nutrition of agricultural households

4.7.1. The most food crops in stock are sorghum, dry beans and maize.

The products that were subject to questions on food storage are cereals (sorghum, maize, wheat and rice), pulses (beans and peas) as well as oil crops (groundnuts and soybeans). Tables A.4.7.1a and A.4.7.1b in annex show that the products that were most in stock (in 2008) were sorghum, dry beans and maize.

4.7.2. Nutrition and food of agricultural households

During the 2008 NAS, agricultural households were interviewed about their food and nutrition. From the information obtained, the following can be noted:

a) *On average, a Rwandan adult living in an agricultural area eats two meals a day and, generally, consumes his own products.*

During the agricultural year 2008, adult persons of the agricultural sector had, on average, two meals per day. 88.9% of agricultural households declared having access to, at least, 2 meals a day, of which 82.3% declared two meals and 6.6% declared three meals, while those who were able to get only one meal a day represented about 11.1% (see table 4.7.1 below and tables A.4.7.1a and A.4.7.1b in annex).

The most popular meals (the most consumed ones) in the agricultural area were composed of beans (on average 5 times a week), vegetables, sweet potatoes and vegetal or animal oil (on average 3 times a week, each). Cassava, potatoes and cooking banana were consumed two times a week, on average (see tables from A.4.7.2a to A.4.7.3b in annex).

With the exception of vegetal or animal products, the rest of food items, as well as fruits, were produced by the population itself and self-consumed. Other products consumed by agricultural households but usually purchased are: rice, fish, meat, vegetal oil, sugar, , etc. (see tables A.4.7.4a and A.4.7.4b in annex).

Table 4.7.1. Distribution of agricultural households according to the daily number of meal of adults by season

Number of meals per day	**Season 2008A**	**Season 2008B**
One (1) meal	11.1%	9.8%
Two (2) meals	82.3%	82.1%
Three (3) meals & more	6.6%	7.1%
Total	**100.0%**	**100.0%**

b) *Nearly half of the agricultural households declared to have experienced problems of food self-sufficiency (lack of enough food or damaged food) during the last six months preceding the interview.*

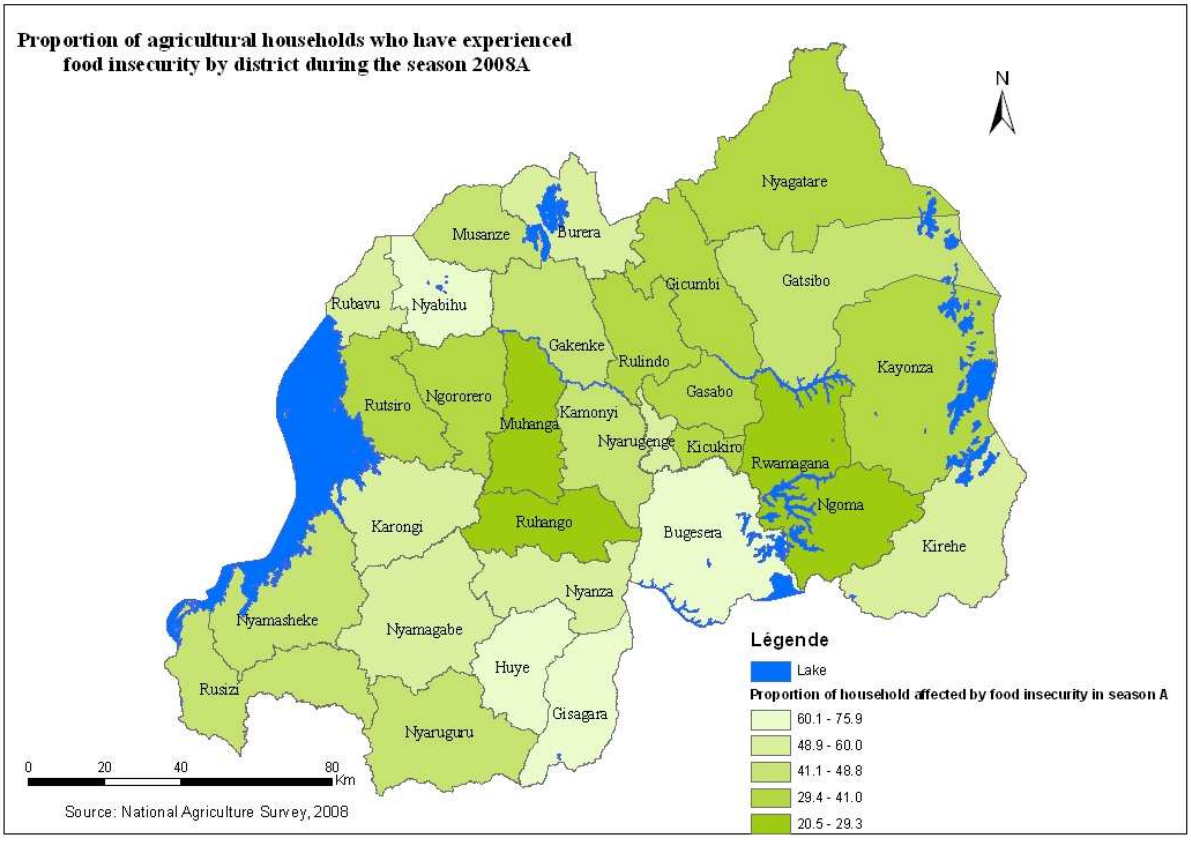
During the agricultural year 2008, 47.1% and 27.9% of agricultural households (respectively in seasons A and B) declared to have experienced problems of food self-sufficiency (lack of enough food or damaged food) during the last six months preceding each of the phase of the survey.

The same information is disaggregated by province and district and is presented in maps from 4.7.1 to 4.7.3 as well as in tables A.4.7.5a and A4.7.5b of the annex.

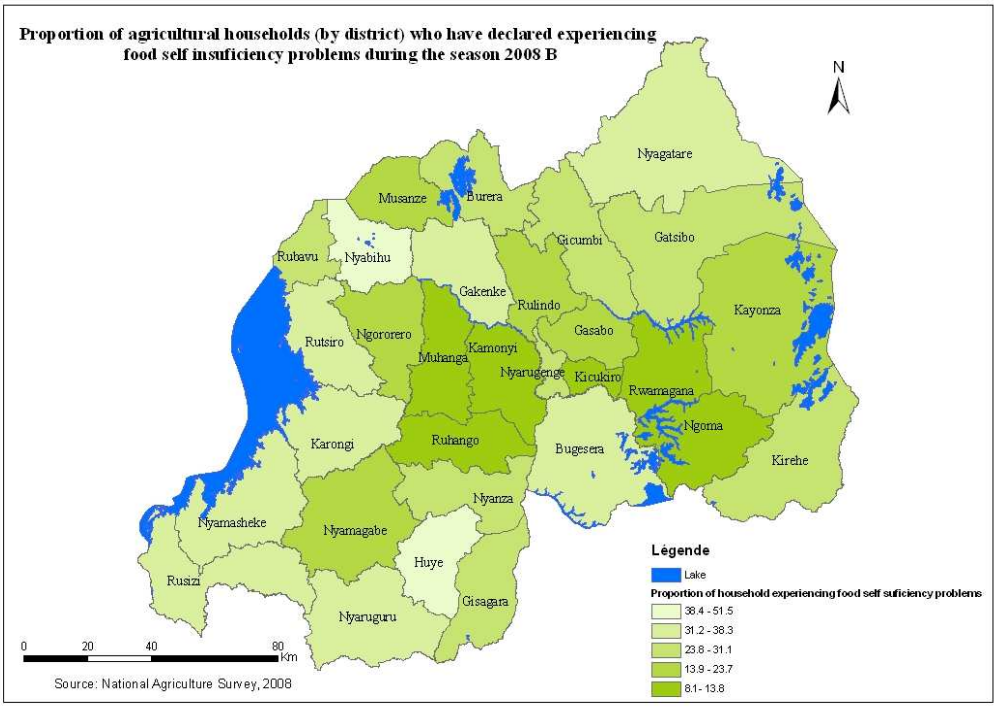
The households which declared to have had food self-sufficiency problems were also asked to mention the causes as well as the reason why they faced it. The results obtained are presented in the annex, through the tables from A.4.7.5a to A.4.7.7b. From there, one notes that among the causes of food self-sufficiency problems quoted by most of the households there are mainly: drought/irregular rain, unusual high food prices, unusual high level of human diseases and unusual high cost of agricultural inputs (seeds and fertilizers).

To address those problems, affected households had to limit their feeding to basic and inexpensive food items; the food ratio and/or the number of meals a day was also reviewed downwards; some of them had recourse to their savings and/or to the financial credit, to the sale of their livestock or to overtime work.

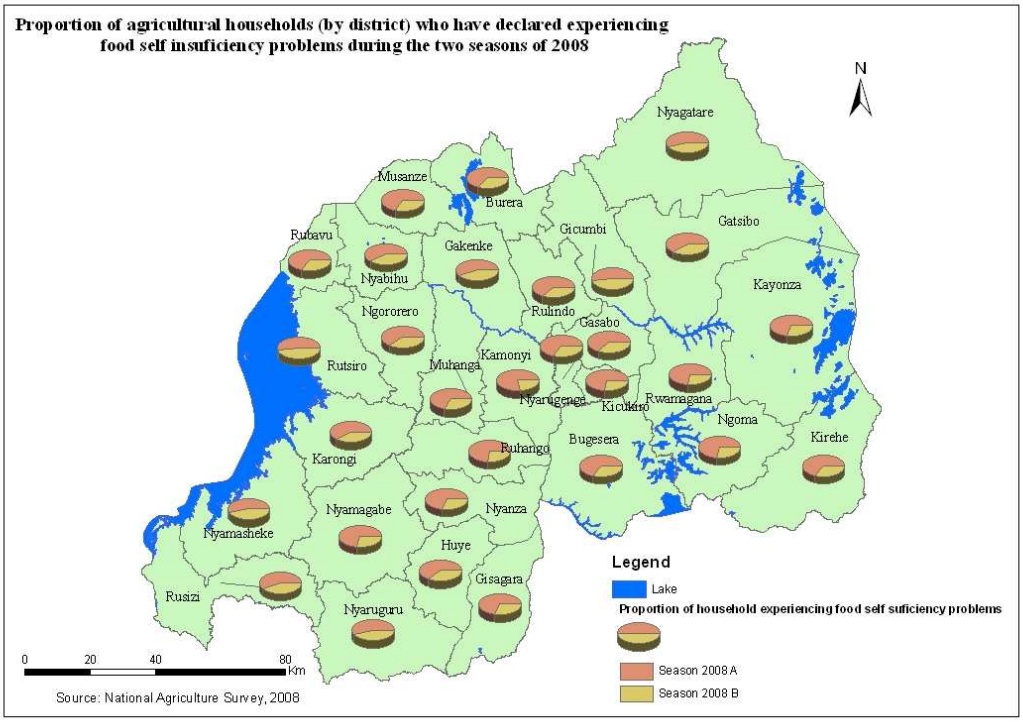
Map 4.7.1. Proportion of agricultural households (by district) who have declared experiencing food self-sufficiency problems during the season 2008A



Map 4.7.2. Proportion of agricultural households (by district) who have declared experiencing food self-sufficiency problems during the season 2008B



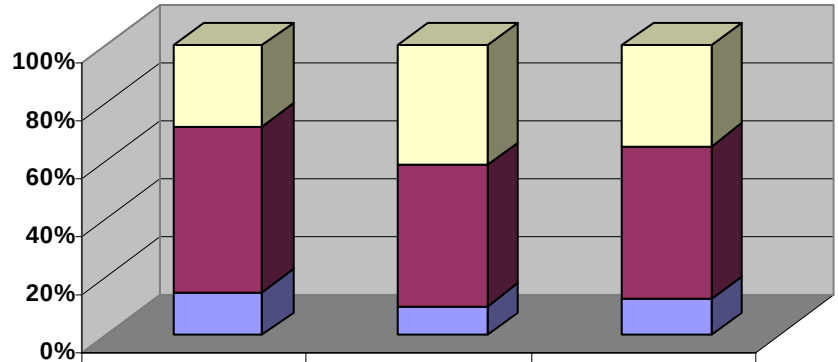
Map 4.7.3 Proportion of agricultural households (by district) who have declared experiencing food self-sufficiency problems during the two seasons of 2008



c) *From the beginning to the end of the survey period most of agricultural households were not able to improve their food self-sufficiency.*

At the end of each season of 2008, it was asked to each household whether they reached their food self-sufficiency. According to the chart 4.7.1 below, and with regards to the food self-sufficiency, it appears that the progress accomplished between the beginning and the end of each agricultural season of 2008 were not significant. Indeed, only 15% and 10% of agricultural households declared having reached their level of food self-sufficiency, respectively by the end of the season A and B. 57% and 49% said that the level reached was not very satisfactory. The details of that information (by province and district) is presented in annex, through the tables A.4.7.8a and A.4.7.8b.

Chart 4.7.1. Proportion (%) of agricultural households according to their perception about the level of food self-sufficiency reached by the end of each agricultural season of 2008



	Season 2008A	Season 2008B	Moyenne annuelle 2008
No	28%	41%	35%
Slightly	57%	49%	53%
Yes	15%	10%	12%

d) *The entire level of nutritional equivalent of the total domestic agricultural production is dominated by vegetal products.*

This survey allowed obtaining information on quantities of crop, milk, eggs, honey and fishery productions. In the absence of data on meat production, this element was estimated based on the following parameters: number of live animals, take-of-rates and carcass weight. Slaughtered animal numbers were obtained by applying the take-of-rate to life animal numbers; the meat production was deducted by applying the carcass weight to slaughtered numbers.

This exercise allowed to evaluate the nutritional equivalent of the total domestic agricultural production (of crops, livestock[7] and fishery). The result is summarized through the chart 4.7.2 and the table 4.7.2

[7] Offals and animal fats are not included. But, their contribution is considered as insignificant.

below. From there, one notes that the domestic agricultural production of 2008 was equivalent to 1979 Cal/per/day, 52 Prot/per/day (en Grs) and 30 de Fat/per/day (en Grs). 98% and 2% of caloric contributions are respectively from vegetal and animal products. Knowing that the part corresponding to human food is a component of the balance between the domestic supply and domestic consumption , these results provide a pertinent information for evaluating the food security level of the country.

Chart 4.7.2. Calorific composition of crop, livestock and fishery production

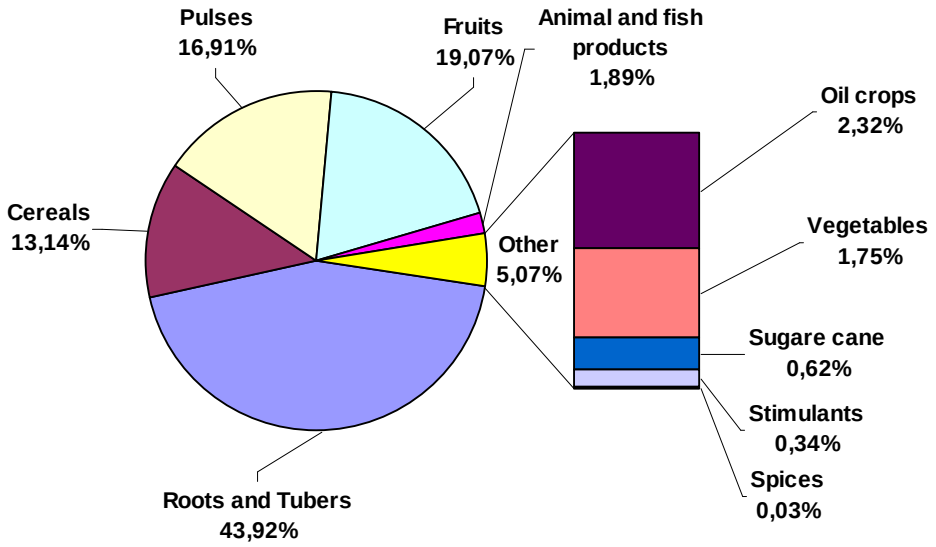


Table 4.7.2. Global nutritional equivalent from vegetal (crops) and animal (livestock and fishery) products

	Cal/per/day	Prot/per/day Grs	Fat/per/day Grs	% Cal
Vegetal products	1942	49	14	98,11%
Animal products	37	3	15	1,89%
Total	**1979**	**52**	**30**	**100,00%**

CHAPTER 5 – CONCLUSIONS

A national agricultural survey is a big and challenging operation. It normally covers the whole agricultural year. Its implementation requires mobilization of a sizeable number of field staff who must remain perceptive, consistent, patient and courageous during the whole period of the survey. Indeed, not only do the field staff meet with all the sample households, they also need to travel to the farm/field, crossing mountains and valleys in the country of "thousand hills" like Rwanda. Moreover, this operation has mobilized sizeable financial, logistics and material resources. All that could not be achieved without constraints.

By the end of this operation, its is therefore imperative to undertake an auto-evaluation and answer the following questions. Firstly, what problems and difficulties were met and what lessons have been learnt ? Secondly, did the operation actually respond to expectations and objectives? Lastly, on the basis of all lessons learnt and experience gained, what perspectives should be considered for a better utilization of the 2008 NAS output in order to build a foundation for a sustainable development of the agricultural statistics system in Rwanda? It is by responding to all those questions that we conclude this report.

5.1. What lessons learnt with the implementation of the 2008 NAS?

The administrative restructuring initiated in 2006, with the decentralization that considers the district as the social and economic development engine, constitutes a new framework for the production of statistics. Moreover, the agricultural sector is so complex that to capture it correctly through the implementation of a large national survey constitutes, in itself, a big challenge for a young institution like the National Institute of Statistics of Rwanda.

Along the whole process of the execution of planned activities, several constraints were met. Fortunately, appropriate solutions were found to address those constraints, and the experience gained in addition to the lessons learnt will contribute to improve agricultural data collection activities in the future. Major lessons learnt and resulting recommendations can be summarized as follows :

- The weak institutional capacities, at all levels (MINAGRI, NISR, Districts), in terms of professional experience in the domain of agricultural statistics needs too be strengthened ;
- The necessity of an active, continuous and sustainable partnership between producers and users of agricultural statistics must prevail at all levels;
- The testing of data collection and processing instruments, from the start to the end of the process, should be undertaken well in advance in order to anticipate and avoid any difficulty that may affect the good sequence of the activities and, as a result, the quality of data to be obtained;
- A special attention must be paid in the selection and training of field staff so that they are well equipped to fulfill their responsibilities;
- The supervision of field work, the good verification and correct codification of the collected data should receive continuous attention in order to minimize non sampling errors;

- The required funds for the execution of the operation, from the start to the end (until the step of the dissemination of the results), should be secured well in advance;
- The overall management of the survey should be adapted to the complexity of the task so that the calendar activity is not negatively affected.

5.2. The objectives previously fixed through the ENA 2008 were they reached?

Despite all difficulties met, one can note that the execution of the NAS responded to expectations. This is justified by the following outputs:

- After the large agricultural survey conducted in 1983, the 2008 NAS was the only national survey to cover a large sample of 10,080 agricultural households.
- In addition, it is the very first time that the country has disaggregated data up to the level of districts. Indeed, even for the survey of 1983, statistics were disaggregated only to level of the 10 then prefectures of the country.
- It is also important to note that the domain covered by the 2008 NAS was the largest ever at all levels. Indeed, not only information on crops and livestock was collected, but also that on aquaculture and fishery, beekeeping and forestry. All agricultural products that are currently grown in the country were covered, including new crops recently introduced in the country. Further extension has been operated by collecting data on horticulture. The nutrition and food also constituted a new domain/theme of study.
- The consequence of all of this is that the country now has a voluminous set of information on the agricultural sector.
- Through the 2008 NAS, the country has gained updated agricultural data in quantity and in quality. Firstly, because an important effort has been done to produce reliable and comprehensive data that are representative at national, provincial and district level. Secondly, because at that time the data sources were incoherent due to differences in methodologies applied. The 2008 NAS results constitute the required reference for main agricultural information for this period. Lastly, the concepts and definitions used corresponded to the international standards. Therefore, the obtained statistics are comparable to those of other countries in the region.
- The 2008 NAS has produced updates to some indicators used in the monitoring and evaluation of the poverty reduction policy and development programs initiated in the framework of the Vision 2020 as well as for the monitoring of the achievement of the Millennium Development Goals (MDG), with regards to the agricultural sector. The tables 5.2.1 and 5.2.2 below show the type of indicators and targets considered in that framework as well as their related correspondents, as obtained from the 2008 NAS.

Table 5.2.1. 2008 NAS response to target indicators of 2020 Vision 2020 and Millennium Development Goals (MDG)[8]

MDG	Indicator	Reference		Target Vision 2020		Target ODM	2008 NAS Results	
		2000	2006/07	2010	2020	2020	Indicator	Observation
MDG 1: Reduction of extreme poverty and hunger	1. Agricultural production (Cal//pers/day)		1878	2000	2200		1979	
	2. Proteins/per/day	44		55	65	22	52	in Grs.
	3. Agricultural population (%)	90		75	50		84	
	4. Land under modernized agriculture (%)[9]	3		20	50		0	For agricultural households only
MDG 7: To ensure a sustainable environment	1. Land protected against soil erosion (%)	20		80	100		66,2	Area with anti-erosive device

Table 5.2.2. The 2008 NAS response to target indicators of EDPRS [10]

Priority domain	Indicator	Reference 2006	Target 2012	2008 NAS result	
				Indicator	Observation
Growth and poverty reduction	1. Employment in agriculture (% of those who consider it as their main activity)	80	70	75,5	This does not include farmers and agricultural family help
Increase of agricultural productivity and food security	2. % of agricultural land protected against soil erosion	40	100	66,2	Area with anti-erosive device
	3. Rural households practicing livestock (%)	71	85	70	

[8] The source of target and reference indicators is the 2020 Vision of Rwanda.
[9] This indicator is not part of the MDG's.
[10] The source of target and reference indicators is the «Stratégie de Développement Economique et de Réduction de la Pauvreté 2008-2012. Septembre 2007».

5.3. What perspectives for the after 2008 NAS?

The 2008 NAS results constitute a voluminous set of statistics on the agricultural sector This important output has to be well utilized. In addition to this publication, other analyses and studies should be conducted on the basis of data established. Without being restrictive, the most important may be the following;

- An agricultural map of Rwanda;
- Agricultural profiles of provinces and districts;
- Supply Utilization Accounts and Food Balance Sheets;
- Small agricultural surveys (in this case production surveys) can be undertaken using a sub-sample of that of 2008 and therefore complete some of the 2008 NAS results for instance the planted and harvested area and the yield.

ANNEXES

ANNEX 1 – DETAILED ADDITIONAL TABLES OF SURVEY RESULTS

SOCIO-DEMOGRAPHIC CHARACTERISTICS OF FARMERS

A 4.1.1. Agricultural households by province, district and sex of the household head

Province	District	Sex of the household head					
		Male		Female		Total	
Kigali City	Nyarugenge	6 536	70.2%	2 778	29.8%	9 313	100%
	Gasabo	21 128	67.5%	10 185	32.5%	31 313	100%
	Kicukiro	6 819	70.0%	2 928	30.0%	9 747	100%
	Sub-total	**34 483**	**68.5%**	**15 890**	**31.5%**	**50 373**	**100%**
South	Nyanza	31 076	66.2%	15 842	33.8%	46 918	100%
	Gisagara	46 739	69.0%	21 045	31.0%	67 784	100%
	Nyaruguru	37 777	69.8%	16 319	30.2%	54 097	100%
	Huye	36 286	66.0%	18 729	34.0%	55 016	100%
	Nyamagabe	48 209	73.5%	17 366	26.5%	65 575	100%
	Ruhango	40 575	72.8%	15 137	27.2%	55 712	100%
	Muhanga	42 893	73.7%	15 307	26.3%	58 200	100%
	Kamonyi	43 789	75.0%	14 621	25.0%	58 410	100%
	Sub-total	**327 344**	**70.9%**	**134 367**	**29.1%**	**461 711**	**100%**
West	Karongi	44 848	73.5%	16 211	26.5%	61 059	100%
	Ngororero	50 144	74.8%	16 905	25.2%	67 049	100%
	Nyabihu	40 323	71.3%	16 247	28.7%	56 570	100%
	Rubavu	32 577	64.1%	18 281	35.9%	50 858	100%
	Rutsiro	48 761	80.7%	11 645	19.3%	60 406	100%
	Rusizi	48 816	76.3%	15 156	23.7%	63 972	100%
	Nyamasheke	54 802	71.5%	21 795	28.5%	76 597	100%
	Sub-total	**320 272**	**73.4%**	**116 239**	**26.6%**	**436 512**	**100%**
North	Rulindo	40 287	72.1%	15 620	27.9%	55 907	100%
	Gakenke	54 081	74.6%	18 440	25.4%	72 521	100%
	Musanze	48 871	76.1%	15 385	23.9%	64 256	100%
	Burera	49 630	76.0%	15 651	24.0%	65 281	100%
	Gicumbi	49 725	71.8%	19 560	28.2%	69 285	100%
	Sub-total	**242 594**	**74.1%**	**84 656**	**25.9%**	**327 250**	**100%**
East	Bugesera	43 923	76.9%	13 186	23.1%	57 109	100%
	Rwamagana	33 853	68.2%	15 792	31.8%	49 645	100%
	Gatsibo	53 448	76.2%	16 671	23.8%	70 119	100%
	Kayonza	35 242	68.6%	16 146	31.4%	51 387	100%
	Kirehe	42 424	76.2%	13 275	23.8%	55 699	100%
	Ngoma	42 479	74.5%	14 525	25.5%	57 004	100%
	Nyagatare	46 038	79.5%	11 841	20.5%	57 879	100%
	Sub-total	**297 407**	**74.6%**	**101 435**	**25.4%**	**398 841**	**100%**
Rwanda		**1 222 100**	**73.0%**	**452 588**	**27.0%**	**1 674 687**	**100%**

A 4.1.2. Average age of agricultural household heads by province, district and sex

Province	District	Average age of the household head		
		Male	Female	Average
Kigali City	Nyarugenge	40	42	40
	Gasabo	43	50	45
	Kicukiro	41	54	45
	Sub-total	**42**	**49**	**44**
South	Nyanza	42	51	45
	Gisagara	40	50	43
	Nyaruguru	43	51	45
	Huye	43	50	45
	Nyamagabe	45	54	47
	Ruhango	44	51	46
	Muhanga	44	52	46
	Kamonyi	44	54	47
	Sub-total	**43**	**52**	**46**
West	Karongi	44	54	47
	Ngororero	41	46	42
	Nyabihu	42	48	44
	Rubavu	40	51	44
	Rutsiro	40	51	42
	Rusizi	44	53	46
	Nyamasheke	44	53	47
	Sub-total	**42**	**51**	**44**
North	Rulindo	43	52	46
	Gakenke	43	49	44
	Musanze	39	47	41
	Burera	42	51	44
	Gicumbi	45	52	47
	Sub-total	**42**	**50**	**44**
East	Bugesera	39	49	42
	Rwamagana	42	50	44
	Gatsibo	40	50	42
	Kayonza	40	49	43
	Kirehe	40	49	42
	Ngoma	41	51	44
	Nyagatare	41	49	43
	Sub-total	**41**	**49**	**43**
Rwanda		**42**	**51**	**44**

A 4.1.3. Agricultural households according to the main and secondary activity of the household head

Main activity	Secondary activity													
	Farmer	Farm home help	Non farm home help	Agricultural employee	Farm laborer	Non farm laborer	Independent artisan	Artisan employee	Trader	Other activity	Housewife	Other activity	Without secondary activity	Total
Farmer	0	7 059	37 658	16 401	129 108	63 499	89 411	23 592	96 464	2 025	63 888	99 888	885 259	1 514 251
Farm home help	290	0	1 985	1 503	1 350	1 088	822	300	683	0	161	809	4 544	13 536
Non farm home help	1 156	349	0	0	0	0	0	114	0	0	0	0	847	2 466
Agricultural employee	2 525	1 428	0	0	210	0	0	0	0	0	147	0	967	5 276
Farm laborer	9 326	1 228	0	155	0	555	203	0	207	0	349	986	2 574	15 583
Non farm laborer	4 479	3 083	210	0	228	0	186	0	0	0	114	161	2 445	10 907
Independent artisan	11 542	5 540	180	0	388	149	0	0	372	0	325	186	5 267	23 949
Artisan employee	9 644	3 536	185	0	159	151	499	0	114	0	206	151	4 631	19 276
Trader	7 434	2 461	297	0	0	0	452	0	0	0	0	183	2 893	13 720
Civil servant	4 393	151	0	0	0	0	0	0	323	0	0	582	4 222	9 670
Student	827	176	393	141	461	0	354	189	731	511	199	744	8 260	12 987
Hoousewife (domestic)	0	0	0	0	0	0	0	0	0	0	0	0	1 044	1 044
Other activity	5 486	2 873	155	0	172	0	167	186	411	0	0	0	9 243	18 693
No activity	0	0	0	0	0	0	0	0	0	0	0	0	13 330	13 330
Total	**57 102**	**27 884**	**41 065**	**18 200**	**132 076**	**65 441**	**92 093**	**24 381**	**99 306**	**2 536**	**65 390**	**103 690**	**945 524**	**1 674 687**

A 4.1.4.Agricultural population by province, district and sex

Province	District	MEN		WOMEN		TOTAL	
Kigali City	Nyarugenge	20 339	47.1%	22 818	52.9%	43 157	100%
	Gasabo	79 803	49.7%	80 661	50.3%	160 464	100%
	Kicukiro	21 141	49.3%	21 707	50.7%	42 849	100%
	Sub-total	**121 283**	**49.2%**	**125 187**	**50.8%**	**246 470**	**100%**
South	Nyanza	108 960	48.4%	116 318	51.6%	225 278	100%
	Gisagara	140 253	45.4%	168 372	54.6%	308 625	100%
	Nyaruguru	133 124	48.8%	139 905	51.2%	273 028	100%
	Huye	117 974	47.7%	129 490	52.3%	247 464	100%
	Nyamagabe	147 663	47.5%	162 979	52.5%	310 642	100%
	Ruhango	126 989	47.5%	140 261	52.5%	267 250	100%
	Muhanga	134 987	47.3%	150 299	52.7%	285 286	100%
	Kamonyi	140 329	47.9%	152 732	52.1%	293 061	100%
	Sub-total	**1 050 279**	**47.5%**	**1 160 355**	**52.5%**	**2 210 634**	**100%**
West	Karongi	142 260	47.8%	155 444	52.2%	297 704	100%
	Ngororero	153 948	46.9%	174 057	53.1%	328 005	100%
	Nyabihu	137 549	47.8%	150 090	52.2%	287 639	100%
	Rubavu	124 715	49.6%	126 661	50.4%	251 376	100%
	Rutsiro	146 302	47.5%	161 649	52.5%	307 951	100%
	Rusizi	154 175	45.4%	185 504	54.6%	339 679	100%
	Nyamasheke	191 852	47.8%	209 729	52.2%	401 581	100%
	Sub-total	**1 050 801**	**47.5%**	**1 163 134**	**52.5%**	**2 213 935**	**100%**
North	Rulindo	130 852	48.2%	140 884	51.8%	271 736	100%
	Gakenke	164 911	47.9%	179 583	52.1%	344 493	100%
	Musanze	157 693	48.1%	170 425	51.9%	328 118	100%
	Burera	156 383	48.1%	168 769	51.9%	325 152	100%
	Gicumbi	171 070	47.6%	188 631	52.4%	359 701	100%
	Sub-total	**780 908**	**47.9%**	**848 292**	**52.1%**	**1 629 200**	**100%**
East	Bugesera	137 495	48.3%	146 940	51.7%	284 435	100%
	Rwamagana	110 534	45.4%	132 988	54.6%	243 521	100%
	Gatsibo	164 230	48.8%	172 619	51.2%	336 849	100%
	Kayonza	118 955	48.6%	125 867	51.4%	244 821	100%
	Kirehe	133 975	47.3%	149 300	52.7%	283 275	100%
	Ngoma	132 072	49.0%	137 220	51.0%	269 292	100%
	Nyagatare	156 754	48.8%	164 656	51.2%	321 410	100%
	Sub-total	**954 015**	**48.1%**	**1 029 589**	**51.9%**	**1 983 604**	**100%**
Rwanda		**3 957 287**	**47.8%**	**4 326 557**	**52.2%**	**8 283 844**	**100%**

A 4.1.5. Agricultural population (%) by province, district and family relationship with the household head

PROVINCE	DISTRICT	Family relationship with the household head							Total
		Household head	Spouse	Children	Parents	Brothers & Sisters	Other relationship	Without relationship	
Kigali City	Nyarugenge	21.6%	12.3%	50.1%	0.0%	7.2%	8.4%	0.5%	100%
	Gasabo	19.5%	12.4%	55.8%	0.3%	1.4%	8.4%	2.3%	100%
	Kicukiro	22.7%	14.8%	48.7%	0.0%	0.8%	7.6%	5.4%	100%
	Sub-total	**20.4%**	**12.8%**	**53.5%**	**0.2%**	**2.3%**	**8.2%**	**2.5%**	**100%**
South	Nyanza	20.8%	12.7%	54.0%	0.1%	1.2%	8.7%	2.5%	100%
	Gisagara	22.0%	14.5%	54.7%	0.0%	1.0%	5.2%	2.7%	100%
	Nyaruguru	19.8%	12.3%	56.3%	0.1%	1.2%	8.6%	1.8%	100%
	Huye	22.2%	13.1%	55.2%	0.4%	1.7%	5.7%	1.7%	100%
	Nyamagabe	21.1%	14.2%	55.6%	0.1%	0.9%	7.1%	1.0%	100%
	Ruhango	20.8%	13.7%	53.4%	0.1%	0.7%	8.4%	3.0%	100%
	Muhanga	20.4%	14.0%	55.8%	0.1%	0.8%	7.3%	1.5%	100%
	Kamonyi	19.9%	13.8%	55.7%	0.3%	1.5%	7.1%	1.6%	100%
	Sub-total	**20.9%**	**13.6%**	**55.1%**	**0.1%**	**1.1%**	**7.2%**	**2.0%**	**100%**
West	Karongi	20.5%	14.2%	52.5%	0.1%	1.5%	8.2%	3.0%	100%
	Ngororero	20.4%	14.7%	57.6%	0.1%	0.7%	4.3%	2.1%	100%
	Nyabihu	19.7%	12.5%	57.6%	0.1%	1.5%	6.9%	1.6%	100%
	Rubavu	20.2%	12.4%	55.5%	0.0%	2.4%	7.8%	1.7%	100%
	Rutsiro	19.6%	15.5%	55.1%	0.1%	0.6%	7.2%	2.0%	100%
	Rusizi	18.8%	13.2%	56.2%	0.5%	1.8%	6.6%	2.9%	100%
	Nyamasheke	19.1%	13.0%	59.8%	0.1%	0.8%	6.0%	1.2%	100%
	Sub-total	**19.7%**	**13.7%**	**56.5%**	**0.2%**	**1.3%**	**6.6%**	**2.1%**	**100%**
North	Rulindo	20.6%	14.1%	56.5%	0.2%	1.1%	6.3%	1.2%	100%
	Gakenke	21.1%	14.5%	54.4%	0.2%	1.6%	6.7%	1.5%	100%
	Musanze	19.6%	13.9%	56.4%	0.0%	2.3%	6.3%	1.6%	100%
	Burera	20.1%	15.2%	57.3%	0.2%	1.1%	5.2%	1.0%	100%
	Gicumbi	19.3%	12.8%	56.1%	0.1%	0.7%	9.2%	1.7%	100%
	Sub-total	**20.1%**	**14.1%**	**56.1%**	**0.1%**	**1.4%**	**6.8%**	**1.4%**	**100%**
East	Bugesera	20.1%	13.9%	55.1%	0.3%	2.1%	6.5%	2.1%	100%
	Rwamagana	20.4%	13.1%	52.5%	0.3%	2.3%	8.7%	2.8%	100%
	Gatsibo	20.8%	14.7%	54.8%	0.2%	1.1%	6.7%	1.8%	100%
	Kayonza	21.0%	13.1%	53.4%	0.4%	1.2%	8.3%	2.7%	100%
	Kirehe	19.7%	14.2%	55.5%	0.2%	1.4%	7.1%	2.0%	100%
	Ngoma	21.2%	14.2%	53.5%	0.2%	1.7%	8.2%	1.1%	100%
	Nyagatare	18.0%	13.1%	56.0%	0.4%	1.4%	7.6%	3.5%	100%
	Sub-total	**20.1%**	**13.8%**	**54.5%**	**0.3%**	**1.6%**	**7.5%**	**2.3%**	**100%**
Rwanda		**20.2%**	**13.7%**	**55.5%**	**0.2%**	**1.3%**	**7.1%**	**2.0%**	**100%**

A 4.1.6. Agricultural population (%) by province, district and age groups

		Age (in full years)													
Province	**District**	**0-4**	**5-9**	**10-14**	**15-19**	**20-24**	**25-29**	**30-34**	**35-39**	**40-44**	**45-49**	**50-54**	**55-59**	**60-64**	**65 & above**	**Total**
Kigali City	Nyarugenge	18.4%	11.8%	10.3%	10.4%	12.1%	13.5%	3.5%	5.4%	7.1%	1.6%	0.3%	1.5%	2.2%	2.0%	100%
	Gasabo	15.4%	14.6%	13.2%	12.6%	10.7%	6.5%	5.2%	4.0%	6.1%	3.1%	2.9%	2.0%	1.2%	2.6%	100%
	Kicukiro	15.3%	13.5%	10.0%	14.0%	11.6%	7.8%	4.3%	4.2%	3.9%	2.5%	3.9%	3.9%	1.6%	3.6%	100%
	Sub-total	**15.9%**	**13.9%**	**12.1%**	**12.4%**	**11.1%**	**7.9%**	**4.7%**	**4.3%**	**5.9%**	**2.7%**	**2.6%**	**2.3%**	**1.4%**	**2.6%**	**100%**
Sud	Nyanza	16.5%	15.2%	12.3%	10.7%	9.2%	6.5%	6.0%	5.7%	3.7%	4.7%	3.4%	1.6%	1.5%	3.0%	100%
	Gisagara	19.8%	14.9%	12.5%	7.7%	9.6%	8.2%	6.1%	5.0%	4.4%	3.9%	2.8%	1.5%	1.3%	2.3%	100%
	Nyaruguru	16.2%	15.9%	15.4%	12.2%	7.9%	6.3%	4.9%	4.4%	3.8%	3.4%	3.2%	1.9%	1.8%	2.9%	100%
	Huye	14.4%	14.4%	12.3%	9.7%	10.7%	8.9%	5.1%	3.8%	4.9%	5.0%	3.2%	3.2%	1.5%	2.8%	100%
	Nyamagabe	14.2%	14.9%	13.7%	12.8%	9.2%	6.3%	4.7%	4.1%	4.7%	4.3%	2.9%	2.0%	1.9%	4.4%	100%
	Ruhango	15.3%	14.9%	12.1%	10.9%	10.0%	6.8%	5.7%	4.8%	4.7%	4.1%	3.0%	2.8%	1.1%	3.7%	100%
	Muhanga	14.1%	13.2%	13.0%	11.0%	11.8%	7.5%	5.3%	4.8%	4.9%	4.5%	3.3%	2.1%	1.4%	3.2%	100%
	Kamonyi	15.1%	12.8%	13.1%	10.4%	11.1%	8.2%	5.5%	4.8%	4.0%	3.4%	4.4%	2.0%	1.3%	3.9%	100%
	Sub-total	**15.7%**	**14.5%**	**13.1%**	**10.7%**	**10.0%**	**7.3%**	**5.4%**	**4.6%**	**4.4%**	**4.1%**	**3.3%**	**2.1%**	**1.5%**	**3.3%**	**100%**
Ouest	Karongi	14.1%	12.3%	13.8%	14.3%	11.5%	6.2%	4.4%	3.8%	3.4%	4.5%	3.6%	2.2%	2.1%	3.8%	100%
	Ngororero	19.0%	16.3%	12.9%	10.7%	8.6%	7.5%	5.4%	4.7%	3.4%	4.2%	3.0%	1.4%	0.9%	2.2%	100%
	Nyabihu	16.3%	15.3%	15.5%	13.1%	10.1%	6.5%	3.7%	3.6%	3.1%	3.3%	2.4%	2.5%	1.6%	3.0%	100%
	Rubavu	16.1%	16.0%	14.9%	13.5%	10.1%	5.7%	4.5%	3.2%	4.2%	3.5%	2.2%	2.0%	1.3%	2.8%	100%
	Rutsiro	16.5%	15.5%	13.7%	10.1%	9.8%	9.3%	6.6%	3.1%	3.0%	3.8%	2.8%	2.1%	1.1%	2.6%	100%
	Rusizi	13.7%	15.8%	13.8%	12.1%	10.7%	6.8%	4.4%	4.3%	4.2%	3.8%	3.5%	1.5%	1.4%	3.8%	100%
	Nyamasheke	14.5%	13.7%	15.1%	14.2%	8.9%	6.7%	4.4%	4.6%	3.9%	3.7%	3.9%	2.4%	0.9%	3.3%	100%
	Sub-total	**15.7%**	**14.9%**	**14.2%**	**12.6%**	**9.9%**	**7.0%**	**4.8%**	**4.0%**	**3.6%**	**3.8%**	**3.1%**	**2.0%**	**1.3%**	**3.1%**	**100%**
Nord	Rulindo	14.6%	14.0%	12.5%	11.5%	10.6%	9.0%	4.9%	3.8%	3.6%	4.2%	3.1%	2.6%	2.1%	3.6%	100%
	Gakenke	14.5%	15.0%	13.5%	11.8%	9.9%	6.4%	6.6%	5.0%	3.3%	3.4%	2.9%	2.5%	1.3%	3.7%	100%
	Musanze	17.4%	14.1%	14.2%	13.7%	10.4%	7.8%	4.8%	4.2%	3.0%	2.7%	2.8%	1.7%	1.2%	2.0%	100%
	Burera	16.1%	17.6%	14.5%	11.3%	9.0%	6.5%	4.9%	3.7%	3.0%	3.5%	2.0%	2.4%	1.3%	4.2%	100%
	Gicumbi	15.4%	15.0%	13.5%	13.4%	9.6%	6.7%	4.7%	3.7%	3.2%	4.2%	2.7%	2.6%	1.5%	3.9%	100%
	Sub-total	**15.6%**	**15.2%**	**13.7%**	**12.4%**	**9.9%**	**7.2%**	**5.2%**	**4.1%**	**3.2%**	**3.6%**	**2.7%**	**2.4%**	**1.5%**	**3.5%**	**100%**
Est	Bugesera	17.1%	13.0%	13.1%	12.9%	11.7%	7.8%	4.7%	3.8%	3.4%	3.8%	2.7%	2.8%	1.6%	1.5%	100%
	Rwamagana	15.0%	13.7%	13.2%	11.5%	10.4%	9.5%	6.0%	4.2%	3.9%	2.6%	2.9%	2.9%	1.4%	2.8%	100%
	Gatsibo	16.4%	14.6%	13.8%	11.8%	10.5%	6.7%	5.4%	5.1%	4.4%	3.3%	2.8%	1.7%	1.3%	2.2%	100%
	Kayonza	17.2%	14.6%	12.7%	11.6%	9.6%	8.2%	5.7%	4.9%	3.2%	3.1%	3.1%	1.8%	1.5%	2.7%	100%
	Kirehe	18.2%	14.0%	13.2%	11.6%	10.3%	7.8%	5.0%	4.5%	3.9%	3.1%	3.1%	2.4%	1.0%	2.1%	100%
	Ngoma	16.0%	13.4%	12.8%	12.7%	10.8%	7.7%	5.2%	4.8%	3.5%	3.3%	3.0%	2.2%	1.8%	2.9%	100%
	Nyagatare	16.8%	17.2%	13.9%	11.3%	8.5%	6.9%	5.7%	4.4%	3.9%	4.2%	2.4%	1.8%	1.0%	2.1%	100%
	Sub-total	**16.7%**	**14.4%**	**13.3%**	**11.9%**	**10.3%**	**7.7%**	**5.4%**	**4.5%**	**3.8%**	**3.4%**	**2.9%**	**2.2%**	**1.3%**	**2.3%**	**100%**
Total		**15.9%**	**14.7%**	**13.5%**	**11.9%**	**10.0%**	**7.3%**	**5.2%**	**4.3%**	**3.8%**	**3.7%**	**3.0%**	**2.2%**	**1.4%**	**3.0%**	**100%**
	Cumulative %	**15.9%**	**30.6%**	**44.2%**	**56.0%**	**66.1%**	**73.4%**	**78.5%**	**82.9%**	**86.7%**	**90.4%**	**93.4%**	**95.6%**	**97.0%**	**100.0%**	

A 4.1.7. Agricultural population aged 15 years and above, by province, district and literacy level

Province	District	Literacy level (population aged 15 years and above)						Total	
		Can't read nor write		Can read only		Can read and write			
Kigal City	Nyarugenge	5 859	22.8%	877	3.4%	18 950	73.8%	25 686	100%
	Gasabo	22 427	24.6%	5 640	6.2%	63 028	69.2%	91 096	100%
	Kicukiro	4 805	18.3%	1 427	5.4%	20 033	76.3%	26 265	100%
	Sub-total	**33 092**	**23.1%**	**7 944**	**5.6%**	**102 011**	**71.3%**	**143 047**	**100%**
South	Nyanza	34 486	27.4%	7 470	5.9%	84 106	66.7%	126 062	100%
	Gisagara	53 049	32.6%	15 218	9.3%	94 660	58.1%	162 927	100%
	Nyaruguru	51 195	35.7%	8 762	6.1%	83 382	58.2%	143 340	100%
	Huye	44 621	30.6%	8 612	5.9%	92 496	63.5%	145 729	100%
	Nyamagabe	62 595	35.2%	10 567	5.9%	104 502	58.8%	177 663	100%
	Ruhango	38 539	25.0%	16 968	11.0%	98 695	64.0%	154 202	100%
	Muhanga	40 467	23.8%	6 713	3.9%	122 837	72.2%	170 018	100%
	Kamonyi	38 522	22.3%	16 484	9.5%	118 096	68.2%	173 103	100%
	Sub-total	**363 476**	**29.0%**	**90 794**	**7.2%**	**798 774**	**63.7%**	**1 253 045**	**100%**
West	Karongi	56 320	31.6%	8 091	4.5%	113 710	63.8%	178 122	100%
	Ngororero	61 116	36.0%	8 442	5.0%	100 398	59.1%	169 957	100%
	Nyabihu	47 836	31.4%	12 203	8.0%	92 138	60.5%	152 176	100%
	Rubavu	44 047	33.0%	10 035	7.5%	79 306	59.5%	133 388	100%
	Rutsiro	55 642	33.2%	13 640	8.1%	98 150	58.6%	167 432	100%
	Rusizi	57 365	29.8%	15 985	8.3%	119 162	61.9%	192 513	100%
	Nyamasheke	63 017	27.6%	14 757	6.5%	150 164	65.9%	227 939	100%
	Sub-total	**385 342**	**31.5%**	**83 155**	**6.8%**	**753 029**	**61.6%**	**1 221 527**	**100%**
North	Rulindo	39 666	24.8%	12 313	7.7%	108 050	67.5%	160 029	100%
	Gakenke	48 852	24.9%	12 486	6.4%	135 014	68.8%	196 352	100%
	Musanze	42 459	23.8%	7 445	4.2%	128 285	72.0%	178 189	100%
	Burera	67 740	40.2%	11 808	7.0%	88 988	52.8%	168 536	100%
	Gicumbi	64 856	32.1%	8 675	4.3%	128 266	63.6%	201 797	100%
	Sub-total	**263 572**	**29.1%**	**52 727**	**5.8%**	**588 604**	**65.0%**	**904 903**	**100%**
East	Bugesera	45 369	28.1%	18 643	11.5%	97 608	60.4%	161 620	100%
	Rwamagana	36 885	26.1%	12 732	9.0%	91 930	64.9%	141 547	100%
	Gatsibo	54 122	29.1%	11 306	6.1%	120 436	64.8%	185 864	100%
	Kayonza	35 330	26.0%	9 645	7.1%	90 811	66.9%	135 786	100%
	Kirehe	46 994	30.4%	10 388	6.7%	97 434	62.9%	154 816	100%
	Ngoma	48 873	31.4%	9 093	5.8%	97 682	62.8%	155 647	100%
	Nyagatare	44 144	26.4%	14 989	8.9%	108 380	64.7%	167 512	100%
	Sub-total	**311 717**	**28.3%**	**86 796**	**7.9%**	**704 281**	**63.9%**	**1 102 793**	**100%**
Total		**1 357 199**	**29.3%**	**321 416**	**6.9%**	**2 946 699**	**63.7%**	**4 625 314**	**100%**

A 4.1.8a. Agricultural population aged 6 years and above, by province, district and level of education

Province	District	Education level							Total
		Never been at school	Primary incomplete	Primary complete	Post Primary/vocational	Secondary incomplete	Secondary complete	University	
Kigali City	Nyarugenge	7 348	14 633	8 527	1 142	1 848	702	0	34 201
	Gasabo	28 462	62 750	22 373	5 931	7 242	2 217	898	129 873
	Kicukiro	3 750	20 014	7 027	668	2 040	1 163	505	35 168
	Sub-total	**39 560**	**97 398**	**37 928**	**7 741**	**11 130**	**4 081**	**1 403**	**199 242**
South	Nyanza	38 899	96 018	32 165	3 735	7 086	1 399	712	180 014
	Gisagara	59 505	125 293	39 249	4 960	4 997	2 394	492	236 890
	Nyaruguru	57 937	120 799	25 487	3 003	9 721	2 270	933	220 150
	Huye	46 835	101 627	36 284	5 371	10 663	1 491	971	203 243
	Nyamagabe	63 941	134 839	41 157	5 161	8 444	2 139	326	256 007
	Ruhango	35 843	127 889	36 607	3 601	8 488	2 588	297	215 313
	Muhanga	37 435	129 677	52 984	3 390	8 565	2 946	880	235 877
	Kamonyi	39 269	127 654	51 415	6 444	7 958	5 453	1 117	239 310
	Sub-total	**379 665**	**963 796**	**315 349**	**35 664**	**65 924**	**20 680**	**5 727**	**1 786 805**
West	Karongi	55 523	138 025	37 283	4 400	7 491	4 855	1 254	248 832
	Ngororero	61 689	137 796	39 477	4 729	7 119	2 506	361	253 677
	Nyabihu	55 812	124 891	32 665	2 231	11 347	2 939	820	230 705
	Rubavu	50 470	108 798	25 222	2 411	11 698	2 054	211	200 864
	Rutsiro	53 776	136 909	38 141	2 205	9 767	4 177	660	245 635
	Rusizi	62 894	149 958	42 529	5 887	14 462	4 708	2 485	282 924
	Nyamasheke	58 912	187 453	56 296	5 366	14 440	9 915	1 173	333 554
	Sub-total	**399 077**	**983 831**	**271 612**	**27 230**	**76 323**	**31 155**	**6 963**	**1 796 192**
North	Rulindo	46 303	106 882	49 868	4 903	9 599	3 675	1 863	223 093
	Gakenke	50 152	149 310	60 358	4 533	10 974	3 251	2 525	281 103
	Musanze	46 501	148 828	38 704	2 999	18 173	2 850	2 567	260 622
	Burera	77 697	137 443	30 195	3 522	9 158	2 566	546	261 127
	Gicumbi	66 424	150 415	49 707	5 449	15 295	4 184	836	292 310
	Sub-total	**287 078**	**692 878**	**228 831**	**21 406**	**63 199**	**16 527**	**8 337**	**1 318 256**
East	Bugesera	46 636	128 389	37 288	2 882	9 348	3 076	596	228 216
	Rwamagana	41 138	101 646	39 229	2 946	9 340	3 095	669	198 063
	Gatsibo	60 292	144 078	48 804	3 722	10 306	2 763	692	270 657
	Kayonza	38 902	97 175	38 886	3 960	8 862	2 672	1 498	191 954
	Kirehe	55 280	114 753	37 150	3 968	9 596	1 885	0	222 632
	Ngoma	51 176	109 094	39 783	2 460	12 971	2 121	274	217 880
	Nyagatare	49 254	146 592	36 477	3 938	14 616	3 961	804	255 642
	Sub-total	**342 678**	**841 728**	**277 618**	**23 876**	**75 039**	**19 572**	**4 534**	**1 585 044**
Rwanda		**1 448 058**	**3 579 631**	**1 131 338**	**115 917**	**291 614**	**92 016**	**26 963**	**6 685 539**

A 4.1.8b. Agricultural population (%) aged 6 years and above, by province, district and level of education

Province	District	Education level							Total
		Never been at school	Primary incomplete	Primary complete	Post Primary/Vocational	Secondary incomplete	Secondary complete	University	
Kigali City	Nyarugenge	21.5%	42.8%	24.9%	3.3%	5.4%	2.1%	0.0%	100%
	Gasabo	21.9%	48.3%	17.2%	4.6%	5.6%	1.7%	0.7%	100%
	Kicukiro	10.7%	56.9%	20.0%	1.9%	5.8%	3.3%	1.4%	100%
	Sub-total	**19.9%**	**48.9%**	**19.0%**	**3.9%**	**5.6%**	**2.0%**	**0.7%**	**100%**
South	Nyanza	21.6%	53.3%	17.9%	2.1%	3.9%	0.8%	0.4%	100%
	Gisagara	25.1%	52.9%	16.6%	2.1%	2.1%	1.0%	0.2%	100%
	Nyaruguru	26.3%	54.9%	11.6%	1.4%	4.4%	1.0%	0.4%	100%
	Huye	23.0%	50.0%	17.9%	2.6%	5.2%	0.7%	0.5%	100%
	Nyamagabe	25.0%	52.7%	16.1%	2.0%	3.3%	0.8%	0.1%	100%
	Ruhango	16.6%	59.4%	17.0%	1.7%	3.9%	1.2%	0.1%	100%
	Muhanga	15.9%	55.0%	22.5%	1.4%	3.6%	1.2%	0.4%	100%
	Kamonyi	16.4%	53.3%	21.5%	2.7%	3.3%	2.3%	0.5%	100%
	Sub-total	**21.2%**	**53.9%**	**17.6%**	**2.0%**	**3.7%**	**1.2%**	**0.3%**	**100%**
West	Karongi	22.3%	55.5%	15.0%	1.8%	3.0%	2.0%	0.5%	100%
	Ngororero	24.3%	54.3%	15.6%	1.9%	2.8%	1.0%	0.1%	100%
	Nyabihu	24.2%	54.1%	14.2%	1.0%	4.9%	1.3%	0.4%	100%
	Rubavu	25.1%	54.2%	12.6%	1.2%	5.8%	1.0%	0.1%	100%
	Rutsiro	21.9%	55.7%	15.5%	0.9%	4.0%	1.7%	0.3%	100%
	Rusizi	22.2%	53.0%	15.0%	2.1%	5.1%	1.7%	0.9%	100%
	Nyamasheke	17.7%	56.2%	16.9%	1.6%	4.3%	3.0%	0.4%	100%
	Sub-total	**22.2%**	**54.8%**	**15.1%**	**1.5%**	**4.2%**	**1.7%**	**0.4%**	**100%**
North	Rulindo	20.8%	47.9%	22.4%	2.2%	4.3%	1.6%	0.8%	100%
	Gakenke	17.8%	53.1%	21.5%	1.6%	3.9%	1.2%	0.9%	100%
	Musanze	17.8%	57.1%	14.9%	1.2%	7.0%	1.1%	1.0%	100%
	Burera	29.8%	52.6%	11.6%	1.3%	3.5%	1.0%	0.2%	100%
	Gicumbi	22.7%	51.5%	17.0%	1.9%	5.2%	1.4%	0.3%	100%
	Sub-total	**21.8%**	**52.6%**	**17.4%**	**1.6%**	**4.8%**	**1.3%**	**0.6%**	**100%**
East	Bugesera	20.4%	56.3%	16.3%	1.3%	4.1%	1.3%	0.3%	100%
	Rwamagana	20.8%	51.3%	19.8%	1.5%	4.7%	1.6%	0.3%	100%
	Gatsibo	22.3%	53.2%	18.0%	1.4%	3.8%	1.0%	0.3%	100%
	Kayonza	20.3%	50.6%	20.3%	2.1%	4.6%	1.4%	0.8%	100%
	Kirehe	24.8%	51.5%	16.7%	1.8%	4.3%	0.8%	0.0%	100%
	Ngoma	23.5%	50.1%	18.3%	1.1%	6.0%	1.0%	0.1%	100%
	Nyagatare	19.3%	57.3%	14.3%	1.5%	5.7%	1.5%	0.3%	100%
	Sub-total	**21.6%**	**53.1%**	**17.5%**	**1.5%**	**4.7%**	**1.2%**	**0.3%**	**100%**
Rwanda		**21.7%**	**53.5%**	**16.9%**	**1.7%**	**4.4%**	**1.4%**	**0.4%**	**100%**

A 4.1.9a. Agricultural population by province and district according to literacy level, activity age group and sex

Province	District	Age of 15 and above				Persons aged from 0-14 years	Persons aged from 15-64 years	Persons aged from 65 years & above	Men	Women	Total Population
		Illiterate persons	Persons able to read only	Persons able to read and write	Total						
Kigali City	Nyarugenge	5 859	877	18 950	25 686	17 473	24 819	865	20 339	22 818	43 157
	Gasabo	22 427	5 640	63 028	91 095	69 378	86 983	4 104	79 803	80 661	160 464
	Kicukiro	4 805	1 427	20 033	26 265	16 587	24 708	1 554	21 141	21 707	42 849
	Sub-total	**33 092**	**7 944**	**102 011**	**143 047**	**103 438**	**136 509**	**6 523**	**121 283**	**125 187**	**246 470**
South	Nyanza	34 486	7 470	84 106	126 062	99 230	119 244	6 804	108 960	116 318	225 278
	Gisagara	53 049	15 218	94 660	162 927	145 715	155 926	6 985	140 253	168 372	308 625
	Nyaruguru	51 195	8 762	83 382	143 339	129 704	135 360	7 965	133 124	139 905	273 028
	Huye	44 621	8 612	92 496	145 729	101 750	138 782	6 931	117 974	129 490	247 464
	Nyamagabe	62 595	10 567	104 502	177 664	132 998	164 107	13 538	147 663	162 979	310 642
	Ruhango	38 539	16 968	98 695	154 202	113 064	144 356	9 830	126 989	140 261	267 250
	Muhanga	40 467	6 713	122 837	170 017	114 943	161 311	9 032	134 987	150 299	285 286
	Kamonyi	38 522	16 484	118 096	173 102	119 976	161 557	11 527	140 329	152 732	293 061
	Sub-total	**363 476**	**90 794**	**798 774**	**1 253 044**	**957 380**	**1 180 642**	**72 612**	**1 050 279**	**1 160 355**	**2 210 634**
West	Karongi	56 320	8 091	113 710	178 121	119 601	166 676	11 427	142 260	155 444	297 704
	Ngororero	61 116	8 442	100 398	169 956	158 066	162 881	7 058	153 948	174 057	328 005
	Nyabihu	47 836	12 203	92 138	152 177	135 331	143 591	8 717	137 549	150 090	287 639
	Rubavu	44 047	10 035	79 306	133 388	118 002	126 280	7 094	124 715	126 661	251 376
	Rutsiro	55 642	13 640	98 150	167 432	140 537	159 360	8 054	146 302	161 649	307 951
	Rusizi	57 365	15 985	119 162	192 512	147 187	179 592	12 900	154 175	185 504	339 679
	Nyamasheke	63 017	14 757	150 164	227 938	173 666	214 613	13 302	191 852	209 729	401 581
	Sub-total	**385 342**	**83 155**	**753 029**	**1 221 526**	**992 390**	**1 152 994**	**68 551**	**1 050 801**	**1 163 134**	**2 213 935**
North	Rulindo	39 666	12 313	108 050	160 029	111 724	150 218	9 795	130 852	140 884	271 736
	Gakenke	48 852	12 486	135 014	196 352	148 162	183 538	12 793	164 911	179 583	344 493
	Musanze	42 459	7 445	128 285	178 189	149 948	171 516	6 654	157 693	170 425	328 118
	Burera	67 740	11 808	88 988	168 536	156 634	154 793	13 725	156 383	168 769	325 152
	Gicumbi	64 856	8 675	128 266	201 797	157 925	187 747	14 029	171 070	188 631	359 701
	Sub-total	**263 572**	**52 727**	**588 604**	**904 903**	**724 393**	**847 810**	**56 996**	**780 908**	**848 292**	**1 629 200**
East	Bugesera	45 369	18 643	97 608	161 620	122 832	157 250	4 353	137 495	146 940	284 435
	Rwamagana	36 885	12 732	91 930	141 547	101 989	134 656	6 876	110 534	132 988	243 521
	Gatsibo	54 122	11 306	120 436	185 864	151 005	178 422	7 422	164 230	172 619	336 849
	Kayonza	35 330	9 645	90 811	135 786	109 050	129 127	6 645	118 955	125 867	244 821
	Kirehe	46 994	10 388	97 434	154 816	128 475	148 983	5 816	133 975	149 300	283 275
	Ngoma	48 873	9 093	97 682	155 648	113 661	147 693	7 938	132 072	137 220	269 292
	Nyagatare	44 144	14 989	108 380	167 513	153 916	160 891	6 603	156 754	164 656	321 410
	Sub-total	**311 717**	**86 796**	**704 281**	**1 102 794**	**880 928**	**1 057 022**	**45 654**	**954 015**	**1 029 589**	**1 983 604**
Rwanda		**1 357 199**	**321 416**	**2 946 699**	**4 625 314**	**3 658 531**	**4 374 978**	**250 336**	**3 957 287**	**4 326 557**	**8 283 844**

A 4.1.9b. Agricultural population (%) by province and district according to literacy level, activity age group and sex

Provinces	Districts	Age of 15 and above				Persons aged from 0-14 years	Persons aged from 15-64 years	Persons aged from 65 years & above	Men	Women	Total population
		Illiterate persons	Persons able to read only	Persons able to read and write	Total						
Kigali City	Nyarugenge	22.8%	3.4%	73.8%	100%	40.5%	57.5%	2.0%	47.1%	52.9%	100%
	Gasabo	24.6%	6.2%	69.2%	100%	43.2%	54.2%	2.6%	49.7%	50.3%	100%
	Kicukiro	18.3%	5.4%	76.3%	100%	38.7%	57.7%	3.6%	49.3%	50.7%	100%
	Sub-total	**23.1%**	**5.6%**	**71.3%**	**100%**	**42.0%**	**55.4%**	**2.6%**	**49.2%**	**50.8%**	**100%**
South	Nyanza	27.4%	5.9%	66.7%	100%	44.0%	52.9%	3.0%	48.4%	51.6%	100%
	Gisagara	32.6%	9.3%	58.1%	100%	47.2%	50.5%	2.3%	45.4%	54.6%	100%
	Nyaruguru	35.7%	6.1%	58.2%	100%	47.5%	49.6%	2.9%	48.8%	51.2%	100%
	Huye	30.6%	5.9%	63.5%	100%	41.1%	56.1%	2.8%	47.7%	52.3%	100%
	Nyamagabe	35.2%	5.9%	58.8%	100%	42.8%	52.8%	4.4%	47.5%	52.5%	100%
	Ruhango	25.0%	11.0%	64.0%	100%	42.3%	54.0%	3.7%	47.5%	52.5%	100%
	Muhanga	23.8%	3.9%	72.2%	100%	40.3%	56.5%	3.2%	47.3%	52.7%	100%
	Kamonyi	22.3%	9.5%	68.2%	100%	40.9%	55.1%	3.9%	47.9%	52.1%	100%
	Sub-total	**29.0%**	**7.2%**	**63.7%**	**100%**	**43.3%**	**53.4%**	**3.3%**	**47.5%**	**52.5%**	**100%**
West	Karongi	31.6%	4.5%	63.8%	100%	40.2%	56.0%	3.8%	47.8%	52.2%	100%
	Ngororero	36.0%	5.0%	59.1%	100%	48.2%	49.7%	2.2%	46.9%	53.1%	100%
	Nyabihu	31.4%	8.0%	60.5%	100%	47.0%	49.9%	3.0%	47.8%	52.2%	100%
	Rubavu	33.0%	7.5%	59.5%	100%	46.9%	50.2%	2.8%	49.6%	50.4%	100%
	Rutsiro	33.2%	8.1%	58.6%	100%	45.6%	51.7%	2.6%	47.5%	52.5%	100%
	Rusizi	29.8%	8.3%	61.9%	100%	43.3%	52.9%	3.8%	45.4%	54.6%	100%
	Nyamasheke	27.6%	6.5%	65.9%	100%	43.2%	53.4%	3.3%	47.8%	52.2%	100%
	Sub-total	**31.5%**	**6.8%**	**61.6%**	**100%**	**44.8%**	**52.1%**	**3.1%**	**47.5%**	**52.5%**	**100%**
North	Rulindo	24.8%	7.7%	67.5%	100%	41.1%	55.3%	3.6%	48.2%	51.8%	100%
	Gakenke	24.9%	6.4%	68.8%	100%	43.0%	53.3%	3.7%	47.9%	52.1%	100%
	Musanze	23.8%	4.2%	72.0%	100%	45.7%	52.3%	2.0%	48.1%	51.9%	100%
	Burera	40.2%	7.0%	52.8%	100%	48.2%	47.6%	4.2%	48.1%	51.9%	100%
	Gicumbi	32.1%	4.3%	63.6%	100%	43.9%	52.2%	3.9%	47.6%	52.4%	100%
	Sub-total	**29.1%**	**5.8%**	**65.0%**	**100%**	**44.5%**	**52.0%**	**3.5%**	**47.9%**	**52.1%**	**100%**
East	Bugesera	28.1%	11.5%	60.4%	100%	43.2%	55.3%	1.5%	48.3%	51.7%	100%
	Rwamagana	26.1%	9.0%	64.9%	100%	41.9%	55.3%	2.8%	45.4%	54.6%	100%
	Gatsibo	29.1%	6.1%	64.8%	100%	44.8%	53.0%	2.2%	48.8%	51.2%	100%
	Kayonza	26.0%	7.1%	66.9%	100%	44.5%	52.7%	2.7%	48.6%	51.4%	100%
	Kirehe	30.4%	6.7%	62.9%	100%	45.4%	52.6%	2.1%	47.3%	52.7%	100%
	Ngoma	31.4%	5.8%	62.8%	100%	42.2%	54.8%	2.9%	49.0%	51.0%	100%
	Nyagatare	26.4%	8.9%	64.7%	100%	47.9%	50.1%	2.1%	48.8%	51.2%	100%
	Sub-total	**28.3%**	**7.9%**	**63.9%**	**100%**	**44.4%**	**53.3%**	**2.3%**	**48.1%**	**51.9%**	**100%**
Rwanda		**29.3%**	**6.9%**	**63.7%**	**100%**	**44.2%**	**52.8%**	**3.0%**	**47.8%**	**52.2%**	**100%**

A 4.1.10. Mean structure of agricultural population by province and district according to literacy level, activity age group and sex

Provinces	Districts	Age of 15 and above			Active persons (15 to 64 years)	Inactive persons (0 to 14 years and 65 years & above	Men	Women	Number of persons per household
		Illiterate persons	Persons able to read only	Persons able to read and write					
Kigali City	Nyarugenge	0.6	0.1	2.0	2.7	2.0	2.2	2.5	4.6
	Gasabo	0.7	0.2	2.0	2.8	2.3	2.5	2.6	5.1
	Kicukiro	0.5	0.1	2.1	2.5	1.9	2.2	2.2	4.4
	Sub-total	**0.7**	**0.2**	**2.0**	**2.7**	**2.2**	**2.4**	**2.5**	**4.9**
South	Nyanza	0.7	0.2	1.8	2.5	2.3	2.3	2.5	4.8
	Gisagara	0.8	0.2	1.4	2.3	2.3	2.1	2.5	4.6
	Nyaruguru	0.9	0.2	1.5	2.5	2.5	2.5	2.6	5.0
	Huye	0.8	0.2	1.7	2.5	2.0	2.1	2.4	4.5
	Nyamagabe	1.0	0.2	1.6	2.5	2.2	2.3	2.5	4.7
	Ruhango	0.7	0.3	1.8	2.6	2.2	2.3	2.5	4.8
	Muhanga	0.7	0.1	2.1	2.8	2.1	2.3	2.6	4.9
	Kamonyi	0.7	0.3	2.0	2.8	2.3	2.4	2.6	5.0
	Sub-total	**0.8**	**0.2**	**1.7**	**2.6**	**2.2**	**2.3**	**2.5**	**4.8**
West	Karongi	0.9	0.1	1.9	2.7	2.1	2.3	2.5	4.9
	Ngororero	0.9	0.1	1.5	2.4	2.5	2.3	2.6	4.9
	Nyabihu	0.8	0.2	1.6	2.5	2.5	2.4	2.7	5.1
	Rubavu	0.9	0.2	1.6	2.5	2.5	2.5	2.5	4.9
	Rutsiro	0.9	0.2	1.6	2.6	2.5	2.4	2.7	5.1
	Rusizi	0.9	0.2	1.9	2.8	2.5	2.4	2.9	5.3
	Nyamasheke	0.8	0.2	2.0	2.8	2.4	2.5	2.7	5.2
	Sub-total	**0.9**	**0.2**	**1.7**	**2.6**	**2.4**	**2.4**	**2.7**	**5.1**
North	Rulindo	0.7	0.2	1.9	2.7	2.2	2.3	2.5	4.9
	Gakenke	0.7	0.2	1.9	2.5	2.2	2.3	2.5	4.8
	Musanze	0.7	0.1	2.0	2.7	2.4	2.5	2.7	5.1
	Burera	1.0	0.2	1.4	2.4	2.6	2.4	2.6	5.0
	Gicumbi	0.9	0.1	1.9	2.7	2.5	2.5	2.7	5.2
	Sub-total	**0.8**	**0.2**	**1.8**	**2.6**	**2.4**	**2.4**	**2.6**	**5.0**
East	Bugesera	0.8	0.3	1.7	2.8	2.2	2.4	2.6	5.0
	Rwamagana	0.7	0.3	1.9	2.7	2.2	2.2	2.7	4.9
	Gatsibo	0.8	0.2	1.7	2.5	2.3	2.3	2.5	4.8
	Kayonza	0.7	0.2	1.8	2.5	2.3	2.3	2.4	4.8
	Kirehe	0.8	0.2	1.7	2.7	2.4	2.4	2.7	5.1
	Ngoma	0.9	0.2	1.7	2.6	2.1	2.3	2.4	4.7
	Nyagatare	0.8	0.3	1.9	2.8	2.8	2.7	2.8	5.6
	Sub-total	**0.8**	**0.2**	**1.8**	**2.7**	**2.3**	**2.4**	**2.6**	**5.0**
Total		**0.8**	**0.2**	**1.8**	**2.6**	**2.3**	**2.4**	**2.6**	**4.9**

A 4.1.11a. Total number of agricultural population according to main and secondary activity.

	Secondary activity													
Main activity	Farmer	Farm home help	Non farm home help	Agricultural employee	Farm laborer	Non farm laborer	Independent artisan	Artisan employee	Trader	Civil servant	Housewife (Domestic)	Other activity	No secondary activity	Total
Farmer	0	8 750	39 375	17 500	131 249	61 250	87 500	21 875	104 999	0	74 375	91 875	809 371	1 456 868
Farm home help	4 375	0	104 999	13 125	126 874	26 250	35 000	4 375	56 875	0	275 624	70 000	1 119 994	1 846 241
Non farm home help	0	4 375	0	0	0	0	0	0	0	0	4 375	4 375	30 625	52 500
Agricultural employee	4 375	4 375	0	0	0	0	0	0	0	0	0	0	8 750	21 875
Farm laborer	8 750	8 750	0	0	0	4 375	0	0	0	0	4 375	4 375	17 500	48 125
Non farm laborer	4 375	8 750	0	0	0	0	0	0	0	0	0	0	17 500	35 000
Independent artisan	13 125	13 125	0	0	0	0	0	0	0	0	0	0	17 500	52 500
Artisan employee	8 750	8 750	0	0	0	0	0	0	0	0	0	0	13 125	35 000
Trader	8 750	8 750	0	0	0	0	0	0	0	0	0	0	8 750	30 625
Civil servant	4 375	4 375	0	0	0	0	0	0	0	0	0	0	8 750	21 875
Student	0	8 750	4 375	0	0	0	0	0	0	0	4 375	17 500	586 247	625 622
Housewife (Domestic)	0	8 750	0	0	0	0	0	0	0	0	0	0	35 000	48 125
Other activity	4 375	8 750	0	0	0	0	0	0	0	0	0	0	30 625	48 125
Without any activity	0	0	0	0	0	0	0	0	0	0	0	0	61 250	61 250
Total	**70 000**	**100 624**	**157 499**	**30 625**	**266 874**	**96 250**	**126 874**	**30 625**	**166 249**	**4 375**	**367 498**	**188 124**	**2 764 986**	**4 374 978**

A 4.1.11b. Agricultural population (%) according to the main and secondary activity

	Secondary activity													
Main activity	Farmer	Farm home help	Non farm home help	Agricultural employee	Farm laborer	Non farm laborer	Independent artisan	Artisan employee	Trader	Civil servant	Housewife (Domestic)	Other activity	No secondary activity	Total
Farmer	0.0%	0.2%	0.9%	0.4%	3.0%	1.4%	2.0%	0.5%	2.4%	0.0%	1.7%	2.1%	18.5%	33.3%
Farm home help	0.1%	0.0%	2.4%	0.3%	2.9%	0.6%	0.8%	0.1%	1.3%	0.0%	6.3%	1.6%	25.6%	42.2%
Non farm home help	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.7%	1.2%
Agricultural employee	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.5%
Farm laborer	0.2%	0.2%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.4%	1.1%
Non farm laborer	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.8%
Independent artisan	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	1.2%
Artisan employee	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.8%
Trader	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.7%
Civil servant	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.5%
Student	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.4%	13.4%	14.3%
Housewife (Domestic)	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	1.1%
Other activity	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	1.1%
Without any activity	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	1.4%
Total	1.6%	2.3%	3.6%	0.7%	6.1%	2.2%	2.9%	0.7%	3.8%	0.1%	8.4%	4.3%	63.2%	100%

A 4.1.12a. Total number of agricultural workforce (aged 15 to 65 years) by province, district, and main activity.

Province	**District**	Farmer	Farm home help	Non farm home help	Agricultural employee	Farm laborer	Non farm laborer	Independent artisan	Artisan employee	Trader	Civil servant	Student	Housewife (Domestic)	Other activity	No secondary activity	Total
Kigali City	Nyarugenge	8 495	9 568	175	176	0	904	1 256	619	412	525	1 972	206	102	409	24 819
	Gasabo	26 365	30 972	1 022	619	449	2 228	3 142	1 174	863	580	15 170	789	1 192	2 417	86 983
	Kicukiro	7 507	8 645	0	695	185	517	810	652	0	706	3 411	0	704	875	24 708
	Sub-total	**42 367**	**49 185**	**1 197**	**1 491**	**634**	**3 648**	**5 208**	**2 444**	**1 275**	**1 812**	**20 553**	**996**	**1 998**	**3 701**	**136 509**
Sud	Nyanza	39 713	48 807	1 406	1 289	2 477	595	1 638	557	1 524	539	17 714	1 877	186	923	119 244
	Gisagara	60 209	66 321	3 151	1 916	1 743	657	1 682	1 233	370	0	11 545	553	2 180	4 367	155 926
	Nyaruguru	46 508	53 822	1 884	1 584	1 113	1 001	728	2 118	599	130	23 442	1 552	170	709	135 360
	Huye	49 054	62 831	1 160	529	1 801	1 250	1 315	1 313	504	0	14 240	1 086	682	3 017	138 782
	Nyamagabe	52 468	72 331	1 477	651	2 434	2 320	1 246	981	534	449	23 681	822	2 153	2 561	164 107
	Ruhango	47 956	55 227	2 535	1 194	2 585	1 291	1 904	1 257	1 069	558	22 575	2 672	1 226	2 306	144 356
	Muhanga	50 606	76 562	1 272	505	369	527	1 639	819	1 767	1 076	22 363	1 112	1 761	931	161 311
	Kamonyi	50 331	74 226	905	147	1 524	1 078	899	948	419	845	20 583	1 668	3 517	4 468	161 557
	Sub-total	**396 843**	**510 126**	**13 790**	**7 815**	**14 047**	**8 720**	**11 051**	**9 226**	**6 786**	**3 597**	**156 142**	**11 342**	**11 876**	**19 281**	**1 180 642**
Ouest	Karongi	53 250	64 255	4 377	183	2 112	2 136	2 109	1 182	581	307	30 010	819	3 258	2 098	166 676
	Ngororero	56 751	70 528	834	669	3 474	1 094	2 326	2 056	1 765	754	19 227	1 763	460	1 180	162 881
	Nyabihu	47 836	65 430	404	763	1 342	298	706	950	404	305	22 637	378	1 289	849	143 591
	Rubavu	44 458	50 449	937	600	782	1 379	745	151	2 347	0	18 594	3 113	1 337	1 387	126 280
	Rutsiro	51 943	75 662	1 703	246	2 202	1 380	2 234	1 903	1 004	617	17 242	1 160	1 386	679	159 360
	Rusizi	52 002	80 120	1 295	455	571	1 480	2 613	634	3 428	2 948	26 206	1 905	3 470	2 467	179 592
	Nyamasheke	61 574	77 269	5 600	519	8 249	2 584	2 975	1 492	1 084	3 860	40 235	2 769	2 471	3 932	214 613
	Sub-total	**367 813**	**483 713**	**15 150**	**3 435**	**18 731**	**10 350**	**13 710**	**8 367**	**10 613**	**8 791**	**174 152**	**11 908**	**13 670**	**12 592**	**1 152 994**
Nord	Rulindo	50 010	66 819	1 522	737	659	1 752	2 027	1 531	929	1 267	17 796	1 171	2 218	1 780	150 218
	Gakenke	60 085	82 425	3 083	2 205	2 980	2 755	553	2 457	1 141	678	20 447	2 603	1 271	854	183 538
	Musanze	57 168	67 344	735	1 669	1 213	2 056	3 505	1 769	2 013	477	26 912	2 136	2 524	1 993	171 516
	Burera	53 691	67 092	2 441	721	1 576	1 406	2 255	1 053	352	268	17 178	889	2 505	3 367	154 793
	Gicumbi	58 512	78 422	1 052	961	3 601	1 657	2 414	427	1 194	1 022	28 203	2 335	1 923	6 023	187 747
	Sub-total	**279 466**	**362 101**	**8 833**	**6 295**	**10 028**	**9 627**	**10 754**	**7 238**	**5 629**	**3 713**	**110 536**	**9 135**	**10 439**	**14 017**	**847 810**
Est	Bugesera	55 981	61 955	3 088	0	441	1 131	434	1 860	927	525	25 391	1 744	1 361	2 414	157 250
	Rwamagana	43 415	60 859	2 938	256	537	509	1 246	768	289	893	18 560	1 609	1 304	1 474	134 656
	Gatsibo	61 983	72 140	1 121	167	1 344	1 476	930	2 376	1 023	973	26 931	3 499	1 258	3 201	178 422
	Kayonza	49 576	44 357	1 385	340	1 738	370	2 443	2 033	1 042	545	20 507	2 255	472	2 065	129 127
	Kirehe	44 007	71 355	712	831	122	135	2 007	1 326	1 268	606	23 791	1 885	668	270	148 983
	Ngoma	52 748	65 434	165	353	0	477	1 562	805	661	828	22 505	101	984	1 070	147 693
	Nyagatare	55 027	59 025	3 456	2 091	1 379	322	912	185	1 075	151	30 552	1 424	3 599	1 693	160 891
	Sub-total	**362 736**	**435 124**	**12 863**	**4 037**	**5 561**	**4 419**	**9 534**	**9 353**	**6 285**	**4 521**	**168 238**	**12 517**	**9 646**	**12 186**	**1 057 022**
Total		**1 449 225**	**1 840 249**	**51 833**	**23 072**	**49 001**	**36 765**	**50 256**	**36 628**	**30 588**	**22 433**	**629 620**	**45 898**	**47 630**	**61 779**	**4 374 978**

A 4.1.12b. Agricultural workforce (%) (aged 15 to 65 years) by province, district and main activity

Province	**District**	Farmer	Farm home help	Non farm home help	Agricultural employee	Farm laborer	Non farm laborer	Independent artisan	Artisan employee	Trader	Civil servant	Student	Housewife (Domestic)	Other activity	No secondary activity	Total
Kigali City	Nyarugenge	34.2%	38.5%	0.7%	0.7%	0.0%	3.6%	5.1%	2.5%	1.7%	2.1%	7.9%	0.8%	0.4%	1.6%	100%
	Gasabo	30.3%	35.6%	1.2%	0.7%	0.5%	2.6%	3.6%	1.3%	1.0%	0.7%	17.4%	0.9%	1.4%	2.8%	100%
	Kicukiro	30.4%	35.0%	0.0%	2.8%	0.7%	2.1%	3.3%	2.6%	0.0%	2.9%	13.8%	0.0%	2.8%	3.5%	100%
	Sub-total	**31.0%**	**36.0%**	**0.9%**	**1.1%**	**0.5%**	**2.7%**	**3.8%**	**1.8%**	**0.9%**	**1.3%**	**15.1%**	**0.7%**	**1.5%**	**2.7%**	**100%**
South	Nyanza	33.3%	40.9%	1.2%	1.1%	2.1%	0.5%	1.4%	0.5%	1.3%	0.5%	14.9%	1.6%	0.2%	0.8%	100%
	Gisagara	38.6%	42.5%	2.0%	1.2%	1.1%	0.4%	1.1%	0.8%	0.2%	0.0%	7.4%	0.4%	1.4%	2.8%	100%
	Nyaruguru	34.4%	39.8%	1.4%	1.2%	0.8%	0.7%	0.5%	1.6%	0.4%	0.1%	17.3%	1.1%	0.1%	0.5%	100%
	Huye	35.3%	45.3%	0.8%	0.4%	1.3%	0.9%	0.9%	0.9%	0.4%	0.0%	10.3%	0.8%	0.5%	2.2%	100%
	Nyamagabe	32.0%	44.1%	0.9%	0.4%	1.5%	1.4%	0.8%	0.6%	0.3%	0.3%	14.4%	0.5%	1.3%	1.6%	100%
	Ruhango	33.2%	38.3%	1.8%	0.8%	1.8%	0.9%	1.3%	0.9%	0.7%	0.4%	15.6%	1.9%	0.8%	1.6%	100%
	Muhanga	31.4%	47.5%	0.8%	0.3%	0.2%	0.3%	1.0%	0.5%	1.1%	0.7%	13.9%	0.7%	1.1%	0.6%	100%
	Kamonyi	31.2%	45.9%	0.6%	0.1%	0.9%	0.7%	0.6%	0.6%	0.3%	0.5%	12.7%	1.0%	2.2%	2.8%	100%
	Sub-total	**33.6%**	**43.2%**	**1.2%**	**0.7%**	**1.2%**	**0.7%**	**0.9%**	**0.8%**	**0.6%**	**0.3%**	**13.2%**	**1.0%**	**1.0%**	**1.6%**	**100%**
West	Karongi	31.9%	38.6%	2.6%	0.1%	1.3%	1.3%	1.3%	0.7%	0.3%	0.2%	18.0%	0.5%	2.0%	1.3%	100%
	Ngororero	34.8%	43.3%	0.5%	0.4%	2.1%	0.7%	1.4%	1.3%	1.1%	0.5%	11.8%	1.1%	0.3%	0.7%	100%
	Nyabihu	33.3%	45.6%	0.3%	0.5%	0.9%	0.2%	0.5%	0.7%	0.3%	0.2%	15.8%	0.3%	0.9%	0.6%	100%
	Rubavu	35.2%	40.0%	0.7%	0.5%	0.6%	1.1%	0.6%	0.1%	1.9%	0.0%	14.7%	2.5%	1.1%	1.1%	100%
	Rutsiro	32.6%	47.5%	1.1%	0.2%	1.4%	0.9%	1.4%	1.2%	0.6%	0.4%	10.8%	0.7%	0.9%	0.4%	100%
	Rusizi	29.0%	44.6%	0.7%	0.3%	0.3%	0.8%	1.5%	0.4%	1.9%	1.6%	14.6%	1.1%	1.9%	1.4%	100%
	Nyamasheke	28.7%	36.0%	2.6%	0.2%	3.8%	1.2%	1.4%	0.7%	0.5%	1.8%	18.7%	1.3%	1.2%	1.8%	100%
	Sub-total	**31.9%**	**42.0%**	**1.3%**	**0.3%**	**1.6%**	**0.9%**	**1.2%**	**0.7%**	**0.9%**	**0.8%**	**15.1%**	**1.0%**	**1.2%**	**1.1%**	**100%**
North	Rulindo	33.3%	44.5%	1.0%	0.5%	0.4%	1.2%	1.3%	1.0%	0.6%	0.8%	11.8%	0.8%	1.5%	1.2%	100%
	Gakenke	32.7%	44.9%	1.7%	1.2%	1.6%	1.5%	0.3%	1.3%	0.6%	0.4%	11.1%	1.4%	0.7%	0.5%	100%
	Musanze	33.3%	39.3%	0.4%	1.0%	0.7%	1.2%	2.0%	1.0%	1.2%	0.3%	15.7%	1.2%	1.5%	1.2%	100%
	Burera	34.7%	43.3%	1.6%	0.5%	1.0%	0.9%	1.5%	0.7%	0.2%	0.2%	11.1%	0.6%	1.6%	2.2%	100%
	Gicumbi	31.2%	41.8%	0.6%	0.5%	1.9%	0.9%	1.3%	0.2%	0.6%	0.5%	15.0%	1.2%	1.0%	3.2%	100%
	Sub-total	**33.0%**	**42.7%**	**1.0%**	**0.7%**	**1.2%**	**1.1%**	**1.3%**	**0.9%**	**0.7%**	**0.4%**	**13.0%**	**1.1%**	**1.2%**	**1.7%**	**100%**
East	Bugesera	35.6%	39.4%	2.0%	0.0%	0.3%	0.7%	0.3%	1.2%	0.6%	0.3%	16.1%	1.1%	0.9%	1.5%	100%
	Rwamagana	32.2%	45.2%	2.2%	0.2%	0.4%	0.4%	0.9%	0.6%	0.2%	0.7%	13.8%	1.2%	1.0%	1.1%	100%
	Gatsibo	34.7%	40.4%	0.6%	0.1%	0.8%	0.8%	0.5%	1.3%	0.6%	0.5%	15.1%	2.0%	0.7%	1.8%	100%
	Kayonza	38.4%	34.4%	1.1%	0.3%	1.3%	0.3%	1.9%	1.6%	0.8%	0.4%	15.9%	1.7%	0.4%	1.6%	100%
	Kirehe	29.5%	47.9%	0.5%	0.6%	0.1%	0.1%	1.3%	0.9%	0.9%	0.4%	16.0%	1.3%	0.4%	0.2%	100%
	Ngoma	35.7%	44.3%	0.1%	0.2%	0.0%	0.3%	1.1%	0.5%	0.4%	0.6%	15.2%	0.1%	0.7%	0.7%	100%
	Nyagatare	34.2%	36.7%	2.1%	1.3%	0.9%	0.2%	0.6%	0.1%	0.7%	0.1%	19.0%	0.9%	2.2%	1.1%	100%
	Sub-total	**34.3%**	**41.2%**	**1.2%**	**0.4%**	**0.5%**	**0.4%**	**0.9%**	**0.9%**	**0.6%**	**0.4%**	**15.9%**	**1.2%**	**0.9%**	**1.2%**	**100%**
Total		**33.1%**	**42.1%**	**1.2%**	**0.5%**	**1.1%**	**0.8%**	**1.1%**	**0.8%**	**0.7%**	**0.5%**	**14.4%**	**1.0%**	**1.1%**	**1.4%**	**100%**

A 4.1.13a. Total number of agricultural workforce (aged 15 to 65 years) by province, district and secondary activity

Province	District	Farmer	Farm home help	Non farm home help	Agricultural employee	Farm laborer	Non farm laborer	Independent artisan	Artisan employee	Trader	Civil servant	Student	Housewife (Domestic)	Other activity	No secondary activity	Total
Kigali City	Nyarugenge	381	1 841	206	0	480	1 327	1 274	117	1 920	0	0	7 608	323	9 342	24 819
	Gasabo	2 577	1 738	2 952	471	2 233	2 536	1 633	193	2 717	0	0	9 931	4 034	55 968	86 983
	Kicukiro	862	1 823	902	171	913	1 196	418	174	1 738	0	0	6 696	1 065	8 750	24 708
	Sub-total	**3 820**	**5 402**	**4 060**	**643**	**3 626**	**5 059**	**3 324**	**484**	**6 375**	**0**	**0**	**24 235**	**5 422**	**74 059**	**136 509**
South	Nyanza	2 938	1 425	6 887	1 896	3 704	2 255	3 089	869	5 078	0	0	42 329	8 308	40 468	119 244
	Gisagara	2 579	2 745	1 565	2 222	9 662	2 079	3 881	1 721	5 390	0	0	530	11 965	111 587	155 926
	Nyaruguru	2 150	1 822	10 266	477	10 701	4 818	4 661	471	3 740	138	0	17 314	8 100	70 700	135 360
	Huye	1 425	2 598	7 407	0	9 900	4 452	2 323	826	6 004	160	0	7 706	5 853	90 127	138 782
	Nyamagabe	2 568	4 440	10 552	2 430	19 937	6 733	3 856	2 192	5 751	0	0	29 574	13 184	62 890	164 107
	Ruhango	1 828	6 812	5 895	1 567	11 341	1 318	5 544	584	5 771	0	0	17 601	7 976	78 119	144 356
	Muhanga	618	3 741	1 864	358	1 473	1 973	4 447	1 347	3 002	0	0	4 940	5 115	132 433	161 311
	Kamonyi	1 307	1 634	693	0	6 086	2 104	2 894	795	3 851	0	0	340	3 208	138 645	161 557
	Sub-total	**15 413**	**25 216**	**45 129**	**8 951**	**72 802**	**25 732**	**30 695**	**8 806**	**38 588**	**298**	**0**	**120 334**	**63 710**	**724 968**	**1 180 642**
West	Karongi	2 659	6 154	3 452	919	6 310	2 243	2 352	147	2 590	0	0	11 584	5 122	123 145	166 676
	Ngororero	5 484	2 402	1 880	799	7 037	2 310	4 675	379	3 453	143	0	33 359	8 393	92 568	162 881
	Nyabihu	2 756	1 869	2 319	1 036	9 880	1 218	3 434	1 231	3 398	0	0	11 509	3 758	101 184	143 591
	Rubavu	1 114	2 283	3 775	400	7 351	4 190	3 339	841	10 228	0	0	7 961	3 881	80 917	126 280
	Rutsiro	3 557	5 051	7 996	191	16 999	8 659	6 803	0	3 005	156	0	15 639	16 598	74 706	159 360
	Rusizi	3 580	4 356	6 853	739	15 209	4 937	3 499	1 083	9 053	0	0	1 857	11 108	117 317	179 592
	Nyamasheke	7 378	4 992	4 441	416	9 189	3 887	4 482	1 110	5 777	772	0	5 681	13 288	153 201	214 613
	Sub-total	**26 529**	**27 107**	**30 715**	**4 500**	**71 975**	**27 443**	**28 583**	**4 790**	**37 504**	**1 071**	**0**	**87 590**	**62 147**	**743 039**	**1 152 994**
North	Rulindo	1 873	3 629	140	338	1 810	1 777	2 901	341	4 216	159	0	4 904	5 082	123 049	150 218
	Gakenke	3 333	5 580	4 635	3 047	7 588	4 885	8 236	3 308	4 768	153	0	8 699	8 476	120 831	183 538
	Musanze	3 147	6 204	3 853	0	12 032	6 027	7 752	2 704	11 399	326	0	17 205	13 192	87 676	171 516
	Burera	1 743	3 802	10 580	337	30 819	5 487	12 859	866	13 838	154	0	3 797	1 883	68 626	154 793
	Gicumbi	1 703	4 497	7 724	2 123	10 311	2 873	3 477	1 668	4 360	287	0	17 716	4 753	126 256	187 747
	Sub-total	**11 799**	**23 712**	**26 932**	**5 844**	**62 560**	**21 049**	**35 224**	**8 887**	**38 580**	**1 079**	**0**	**52 322**	**33 386**	**526 435**	**847 810**
East	Bugesera	3 154	2 459	2 115	2 019	5 069	1 632	3 319	1 312	6 395	0	0	2 568	5 465	121 744	157 250
	Rwamagana	434	1 742	674	984	3 981	2 192	4 922	1 105	4 887	610	0	3 178	1 127	108 819	134 656
	Gatsibo	3 067	3 373	9 713	1 018	13 142	2 481	2 813	349	5 460	0	0	21 247	5 244	110 516	178 422
	Kayonza	2 694	3 592	2 725	590	6 699	2 495	4 445	945	10 441	294	0	2 260	1 955	89 992	129 127
	Kirehe	3 222	2 845	17 892	4 913	12 427	3 292	4 680	1 056	4 318	0	0	35 393	14 363	44 582	148 983
	Ngoma	1 059	4 138	4 837	3 139	5 635	1 182	4 147	1 307	4 486	0	0	5 241	5 281	107 243	147 693
	Nyagatare	1 258	1 797	13 890	416	14 017	5 795	7 044	857	5 501	0	0	6 369	3 342	100 604	160 891
	Sub-total	**14 886**	**19 947**	**51 846**	**13 079**	**60 971**	**19 067**	**31 370**	**6 931**	**41 489**	**904**	**0**	**76 257**	**36 776**	**683 499**	**1 057 022**
Total		**72 445**	**101 385**	**158 682**	**33 018**	**271 934**	**98 351**	**129 198**	**29 899**	**162 536**	**3 352**	**0**	**360 738**	**201 441**	**2 752 000**	**4 374 978**

A 4.1.13b. Percentage of agricultural workforce (aged 15 to 65 years) by province, district and secondary activity

Province	District	Farmer	Farm home help	Non farm home help	Agricultural employee	Farm laborer	Non farm laborer	Independent artisan	Artisan employee	Trader	Civil servant	Student	Housewife (Domestic)	Other activity	No secondary activity	Total
Kigali City	Nyarugenge	1.5%	7.4%	0.8%	0.0%	1.9%	5.3%	5.1%	0.5%	7.7%	0.0%	0.0%	30.7%	1.3%	37.6%	100%
	Gasabo	3.0%	2.0%	3.4%	0.5%	2.6%	2.9%	1.9%	0.2%	3.1%	0.0%	0.0%	11.4%	4.6%	64.3%	100%
	Kicukiro	3.5%	7.4%	3.7%	0.7%	3.7%	4.8%	1.7%	0.7%	7.0%	0.0%	0.0%	27.1%	4.3%	35.4%	100%
	Sub-total	**2.8%**	**4.0%**	**3.0%**	**0.5%**	**2.7%**	**3.7%**	**2.4%**	**0.4%**	**4.7%**	**0.0%**	**0.0%**	**17.8%**	**4.0%**	**54.3%**	**100%**
South	Nyanza	2.5%	1.2%	5.8%	1.6%	3.1%	1.9%	2.6%	0.7%	4.3%	0.0%	0.0%	35.5%	7.0%	33.9%	100%
	Gisagara	1.7%	1.8%	1.0%	1.4%	6.2%	1.3%	2.5%	1.1%	3.5%	0.0%	0.0%	0.3%	7.7%	71.6%	100%
	Nyaruguru	1.6%	1.3%	7.6%	0.4%	7.9%	3.6%	3.4%	0.3%	2.8%	0.1%	0.0%	12.8%	6.0%	52.2%	100%
	Huye	1.0%	1.9%	5.3%	0.0%	7.1%	3.2%	1.7%	0.6%	4.3%	0.1%	0.0%	5.6%	4.2%	64.9%	100%
	Nyamagabe	1.6%	2.7%	6.4%	1.5%	12.1%	4.1%	2.3%	1.3%	3.5%	0.0%	0.0%	18.0%	8.0%	38.3%	100%
	Ruhango	1.3%	4.7%	4.1%	1.1%	7.9%	0.9%	3.8%	0.4%	4.0%	0.0%	0.0%	12.2%	5.5%	54.1%	100%
	Muhanga	0.4%	2.3%	1.2%	0.2%	0.9%	1.2%	2.8%	0.8%	1.9%	0.0%	0.0%	3.1%	3.2%	82.1%	100%
	Kamonyi	0.8%	1.0%	0.4%	0.0%	3.8%	1.3%	1.8%	0.5%	2.4%	0.0%	0.0%	0.2%	2.0%	85.8%	100%
	Sub-total	**1.3%**	**2.1%**	**3.8%**	**0.8%**	**6.2%**	**2.2%**	**2.6%**	**0.7%**	**3.3%**	**0.0%**	**0.0%**	**10.2%**	**5.4%**	**61.4%**	**100%**
West	Karongi	1.6%	3.7%	2.1%	0.6%	3.8%	1.3%	1.4%	0.1%	1.6%	0.0%	0.0%	7.0%	3.1%	73.9%	100%
	Ngororero	3.4%	1.5%	1.2%	0.5%	4.3%	1.4%	2.9%	0.2%	2.1%	0.1%	0.0%	20.5%	5.2%	56.8%	100%
	Nyabihu	1.9%	1.3%	1.6%	0.7%	6.9%	0.8%	2.4%	0.9%	2.4%	0.0%	0.0%	8.0%	2.6%	70.5%	100%
	Rubavu	0.9%	1.8%	3.0%	0.3%	5.8%	3.3%	2.6%	0.7%	8.1%	0.0%	0.0%	6.3%	3.1%	64.1%	100%
	Rutsiro	2.2%	3.2%	5.0%	0.1%	10.7%	5.4%	4.3%	0.0%	1.9%	0.1%	0.0%	9.8%	10.4%	46.9%	100%
	Rusizi	2.0%	2.4%	3.8%	0.4%	8.5%	2.7%	1.9%	0.6%	5.0%	0.0%	0.0%	1.0%	6.2%	65.3%	100%
	Nyamasheke	3.4%	2.3%	2.1%	0.2%	4.3%	1.8%	2.1%	0.5%	2.7%	0.4%	0.0%	2.6%	6.2%	71.4%	100%
	Sub-total	**2.3%**	**2.4%**	**2.7%**	**0.4%**	**6.2%**	**2.4%**	**2.5%**	**0.4%**	**3.3%**	**0.1%**	**0.0%**	**7.6%**	**5.4%**	**64.4%**	**100%**
North	Rulindo	1.2%	2.4%	0.1%	0.2%	1.2%	1.2%	1.9%	0.2%	2.8%	0.1%	0.0%	3.3%	3.4%	81.9%	100%
	Gakenke	1.8%	3.0%	2.5%	1.7%	4.1%	2.7%	4.5%	1.8%	2.6%	0.1%	0.0%	4.7%	4.6%	65.8%	100%
	Musanze	1.8%	3.6%	2.2%	0.0%	7.0%	3.5%	4.5%	1.6%	6.6%	0.2%	0.0%	10.0%	7.7%	51.1%	100%
	Burera	1.1%	2.5%	6.8%	0.2%	19.9%	3.5%	8.3%	0.6%	8.9%	0.1%	0.0%	2.5%	1.2%	44.3%	100%
	Gicumbi	0.9%	2.4%	4.1%	1.1%	5.5%	1.5%	1.9%	0.9%	2.3%	0.2%	0.0%	9.4%	2.5%	67.2%	100%
	Sub-total	**1.4%**	**2.8%**	**3.2%**	**0.7%**	**7.4%**	**2.5%**	**4.2%**	**1.0%**	**4.6%**	**0.1%**	**0.0%**	**6.2%**	**3.9%**	**62.1%**	**100%**
East	Bugesera	2.0%	1.6%	1.3%	1.3%	3.2%	1.0%	2.1%	0.8%	4.1%	0.0%	0.0%	1.6%	3.5%	77.4%	100%
	Rwamagana	0.3%	1.3%	0.5%	0.7%	3.0%	1.6%	3.7%	0.8%	3.6%	0.5%	0.0%	2.4%	0.8%	80.8%	100%
	Gatsibo	1.7%	1.9%	5.4%	0.6%	7.4%	1.4%	1.6%	0.2%	3.1%	0.0%	0.0%	11.9%	2.9%	61.9%	100%
	Kayonza	2.1%	2.8%	2.1%	0.5%	5.2%	1.9%	3.4%	0.7%	8.1%	0.2%	0.0%	1.8%	1.5%	69.7%	100%
	Kirehe	2.2%	1.9%	12.0%	3.3%	8.3%	2.2%	3.1%	0.7%	2.9%	0.0%	0.0%	23.8%	9.6%	29.9%	100%
	Ngoma	0.7%	2.8%	3.3%	2.1%	3.8%	0.8%	2.8%	0.9%	3.0%	0.0%	0.0%	3.5%	3.6%	72.6%	100%
	Nyagatare	0.8%	1.1%	8.6%	0.3%	8.7%	3.6%	4.4%	0.5%	3.4%	0.0%	0.0%	4.0%	2.1%	62.5%	100%
	Sub-total	**1.4%**	**1.9%**	**4.9%**	**1.2%**	**5.8%**	**1.8%**	**3.0%**	**0.7%**	**3.9%**	**0.1%**	**0.0%**	**7.2%**	**3.5%**	**64.7%**	**100%**
Total		**1.7%**	**2.3%**	**3.6%**	**0.8%**	**6.2%**	**2.2%**	**3.0%**	**0.7%**	**3.7%**	**0.1%**	**0.0%**	**8.2%**	**4.6%**	**62.9%**	**100%**
	Cumulative %	1.7%	4.0%	7.6%	8.4%	14.6%	16.8%	19.8%	20.5%	24.2%	24.2%	24.2%	32.5%	37.1%	100%	

A 4.1.14a. Total number of the agricultural workforce aged from 6 years and above according to age groups, main and secondary activity

Main activity	Age groups													
	6 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 & PLUS	Total
Farmer	1 881	1 120	15 724	119 585	208 290	188 253	179 914	183 248	193 445	159 405	120 628	84 171	188 002	1 644 643
Farm home help	15 990	54 863	370 494	471 697	310 917	191 676	142 075	110 268	95 334	77 837	49 754	24 574	39 052	1 952 177
Non farm home help	30 098	19 034	22 603	15 779	5 465	2 995	1 428	637	1 851	497	537	0	1 752	100 283
Agricultural employee	0	1 120	6 879	5 813	3 644	2 139	714	956	617	746	537	0	751	26 742
Farm laborer	0	0	12 776	10 796	6 680	5 134	3 927	2 550	2 468	1 741	537	689	751	46 799
Non farm laborer	0	1 120	9 827	11 626	6 073	2 567	2 142	1 593	2 160	995	716	0	250	40 113
Independent artisan	941	0	5 896	12 457	9 109	5 990	4 998	3 824	3 394	2 238	1 611	344	501	53 484
Artisan employee	0	0	1 965	6 644	9 109	5 562	4 998	3 506	1 851	1 492	537	459	501	40 113
Trader	0	1 120	3 931	7 474	6 680	4 278	3 213	1 912	1 234	746	358	804	0	33 428
Civil servant	0	0	0	3 322	4 858	4 706	4 998	2 868	1 234	0	358	115	250	20 057
Student	668 748	988 652	477 613	120 416	18 218	3 851	1 785	1 593	926	497	716	689	1 752	2 286 454
Housewife (Domestic)	19 752	14 555	25 551	14 118	3 644	1 284	357	637	309	249	358	344	1 001	80 226
Other activity	10 346	4 479	8 845	13 287	9 109	5 990	3 927	1 912	1 543	746	895	459	2 503	66 855
Without any activity	192 818	30 231	20 638	17 440	6 073	2 995	2 142	2 868	1 851	1 492	1 611	2 182	12 767	294 164
Total	**940 574**	**1 119 651**	**982 742**	**830 453**	**607 259**	**427 848**	**356 973**	**318 693**	**308 524**	**248 682**	**178 973**	**114 831**	**250 336**	**6 685 539**
Secondary activity														
Farmer	941	0	2 948	7 474	13 360	11 552	10 352	9 879	5 862	3 482	2 148	1 837	2 253	73 541
Farm home help	3 762	13 436	23 586	24 914	17 611	10 696	8 567	4 780	5 862	1 989	1 432	459	1 502	120 340
Non farm home help	4 703	12 316	29 482	38 201	23 683	16 686	11 066	12 429	11 107	8 455	5 548	2 182	5 758	180 510
Agricultural employee	0	0	2 948	6 644	3 644	4 278	2 856	3 506	3 394	1 741	1 969	1 033	501	33 428
Farm laborer	0	1 120	28 500	49 827	40 079	33 372	30 700	28 682	23 756	17 159	8 770	6 316	5 758	274 107
Non farm laborer	0	1 120	10 810	19 100	15 181	10 696	12 494	9 561	9 256	5 471	2 685	804	1 752	100 283
Independent artisan	0	0	6 879	19 100	22 469	19 681	14 636	12 429	12 341	9 201	8 591	3 445	4 756	133 711
Artisan employee	0	0	983	3 322	5 465	5 990	3 570	3 506	2 468	2 736	1 074	459	751	33 428
Trader	0	1 120	7 862	25 744	36 436	28 666	23 203	16 572	12 032	8 704	3 758	2 182	1 502	167 138
Civil servant	0	0	0	0	607	0	357	956	309	249	179	115	250	0
Student	3 762	11 197	50 120	70 589	58 904	41 073	37 482	29 320	28 693	24 620	17 002	11 713	21 028	407 818
Housewife (Domestic)	21 633	32 470	31 448	34 879	31 577	17 970	17 135	15 935	15 426	10 693	9 128	4 823	10 013	254 050
Other activity	904 832	1 045 754	786 194	529 829	338 243	226 759	184 555	171 457	178 018	154 183	116 690	79 348	194 761	4 907 186
Total	**940 574**	**1 119 651**	**982 742**	**830 453**	**607 259**	**427 848**	**356 973**	**318 693**	**308 524**	**248 682**	**178 973**	**114 831**	**250 336**	**6 685 539**

A 4.1.14b. Agricultural workforce (%) aged 6 years and above according to age-group, main and secondary activity

Main activity	Age groups													
	6 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 & PLUS	Total
Farmer	0.2%	0.1%	1.6%	14.4%	34.3%	44.0%	50.4%	57.5%	62.7%	64.1%	67.4%	73.3%	75.1%	24.6%
Farm home help	1.7%	4.9%	37.7%	56.8%	51.2%	44.8%	39.8%	34.6%	30.9%	31.3%	27.8%	21.4%	15.6%	29.2%
Non farm home help	3.2%	1.7%	2.3%	1.9%	0.9%	0.7%	0.4%	0.2%	0.6%	0.2%	0.3%	0.0%	0.7%	1.5%
Agricultural employee	0.0%	0.1%	0.7%	0.7%	0.6%	0.5%	0.2%	0.3%	0.2%	0.3%	0.3%	0.0%	0.3%	0.4%
Farm laborer	0.0%	0.0%	1.3%	1.3%	1.1%	1.2%	1.1%	0.8%	0.8%	0.7%	0.3%	0.6%	0.3%	0.7%
Non farm laborer	0.0%	0.1%	1.0%	1.4%	1.0%	0.6%	0.6%	0.5%	0.7%	0.4%	0.4%	0.0%	0.1%	0.6%
Independent artisan	0.1%	0.0%	0.6%	1.5%	1.5%	1.4%	1.4%	1.2%	1.1%	0.9%	0.9%	0.3%	0.2%	0.8%
Artisan employee	0.0%	0.0%	0.2%	0.8%	1.5%	1.3%	1.4%	1.1%	0.6%	0.6%	0.3%	0.4%	0.2%	0.6%
Trader	0.0%	0.1%	0.4%	0.9%	1.1%	1.0%	0.9%	0.6%	0.4%	0.3%	0.2%	0.7%	0.0%	0.5%
Civil servant	0.0%	0.0%	0.0%	0.4%	0.8%	1.1%	1.4%	0.9%	0.4%	0.0%	0.2%	0.1%	0.1%	0.3%
Student	71.1%	88.3%	48.6%	14.5%	3.0%	0.9%	0.5%	0.5%	0.3%	0.2%	0.4%	0.6%	0.7%	34.2%
Housewife (Domestic)	2.1%	1.3%	2.6%	1.7%	0.6%	0.3%	0.1%	0.2%	0.1%	0.1%	0.2%	0.3%	0.4%	1.2%
Other activity	1.1%	0.4%	0.9%	1.6%	1.5%	1.4%	1.1%	0.6%	0.5%	0.3%	0.5%	0.4%	1.0%	1.0%
No activity	20.5%	2.7%	2.1%	2.1%	1.0%	0.7%	0.6%	0.9%	0.6%	0.6%	0.9%	1.9%	5.1%	4.4%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**
Secondary activity														
Farmer	0.1%	0.0%	0.3%	0.9%	2.2%	2.7%	2.9%	3.1%	1.9%	1.4%	1.2%	1.6%	0.9%	1.1%
Farm home help	0.4%	1.2%	2.4%	3.0%	2.9%	2.5%	2.4%	1.5%	1.9%	0.8%	0.8%	0.4%	0.6%	1.8%
Non farm home help	0.5%	1.1%	3.0%	4.6%	3.9%	3.9%	3.1%	3.9%	3.6%	3.4%	3.1%	1.9%	2.3%	2.7%
Agricultural employee	0.0%	0.0%	0.3%	0.8%	0.6%	1.0%	0.8%	1.1%	1.1%	0.7%	1.1%	0.9%	0.2%	0.5%
Farm laborer	0.0%	0.1%	2.9%	6.0%	6.6%	7.8%	8.6%	9.0%	7.7%	6.9%	4.9%	5.5%	2.3%	4.1%
Non farm laborer	0.0%	0.1%	1.1%	2.3%	2.5%	2.5%	3.5%	3.0%	3.0%	2.2%	1.5%	0.7%	0.7%	1.5%
Independent artisan	0.0%	0.0%	0.7%	2.3%	3.7%	4.6%	4.1%	3.9%	4.0%	3.7%	4.8%	3.0%	1.9%	2.0%
Artisan employee	0.0%	0.0%	0.1%	0.4%	0.9%	1.4%	1.0%	1.1%	0.8%	1.1%	0.6%	0.4%	0.3%	0.5%
Trader	0.0%	0.1%	0.8%	3.1%	6.0%	6.7%	6.5%	5.2%	3.9%	3.5%	2.1%	1.9%	0.6%	2.5%
Civil servant	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%
Student	0.4%	1.0%	5.1%	8.5%	9.7%	9.6%	10.5%	9.2%	9.3%	9.9%	9.5%	10.2%	8.4%	6.1%
Housewife (Domestic)	2.3%	2.9%	3.2%	4.2%	5.2%	4.2%	4.8%	5.0%	5.0%	4.3%	5.1%	4.2%	4.0%	3.8%
Other activity	96.2%	93.4%	80.0%	63.8%	55.7%	53.0%	51.7%	53.8%	57.7%	62.0%	65.2%	69.1%	77.8%	73.4%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

CHARACTERISTICS OF AGRICULTURAL HOLDINGS

A 4.2.1a. Area (Ha) of agricultural land by province and district and according to the main method used for erosion control

Province	District	Radical terraces (ha)	Anti-erosion ditches (ha)	Anti-erosion hedges (ha)	Without anti-erosion measure (ha)	Area under agricultural farms (ha)	Total area of Districts	Rate (Under agricultural farms)	Average area by Farming activity (Ha)
Kigali City	Nyarugenge	214	276	2 378	2 030	4 898	13 395	36.6%	0.53
	Gasabo	124	6 301	3 641	11 060	21 127	42 920	49.2%	0.67
	Kicukiro	318	1 087	244	2 521	4 170	16 670	25.0%	0.43
	Sub-total	**625**	**7 633**	**6 397**	**15 541**	**30 195**	**72 985**	**41.4%**	**0.6**
South	Nyanza	550	28 985	2 483	5 146	37 164	67 214	55.3%	0.79
	Gisagara	339	16 132	1 238	13 043	30 752	67 920	45.3%	0.45
	Nyaruguru	3 463	24 876	9 833	16 337	54 509	101 027	54.0%	1.01
	Huye	570	21 921	762	9 970	33 222	58 153	57.1%	0.6
	Nyamagabe	749	22 134	8 368	12 712	43 964	109 036	40.3%	0.67
	Ruhango	272	24 169	2 689	7 203	34 333	62 678	54.8%	0.62
	Muhanga	1 213	30 609	3 614	5 103	40 540	64 771	62.6%	0.7
	Kamonyi	1 059	23 261	5 382	8 304	38 006	65 553	58.0%	0.65
	Sub-total	**8 079**	**191 746**	**35 085**	**77 580**	**312 491**	**596 352**	**52.4%**	**0.68**
West	Karongi	826	18 814	12 991	10 652	43 283	99 303	43.6%	0.71
	Ngororero	157	28 599	7 235	12 168	48 159	67 899	70.9%	0.72
	Nyabihu	1 064	12 146	7 410	8 283	28 903	53 150	54.4%	0.51
	Rubavu	130	3 467	2 369	12 206	18 172	38 834	46.8%	0.36
	Rutsiro	490	14 963	9 008	13 487	37 948	115 729	32.8%	0.63
	Rusizi	25	9 499	9 846	18 324	37 694	95 859	39.3%	0.59
	Nyamasheke	2 074	18 902	4 673	25 445	51 094	117 399	43.5%	0.67
	Sub-total	**4 934**	**102 223**	**52 760**	**105 335**	**265 252**	**588 173**	**45.1%**	**0.61**
North	Rulindo	697	16 092	6 798	11 807	35 394	56 698	62.4%	0.63
	Gakenke	944	14 530	22 310	9 495	47 279	70 406	67.2%	0.65
	Musanze	323	6 269	6 465	16 540	29 597	53 038	55.8%	0.46
	Burera	1 350	8 374	21 207	9 047	39 979	64 456	62.0%	0.61
	Gicumbi	4 645	19 146	7 561	13 283	44 634	82 952	53.8%	0.64
	Sub-total	**7 931**	**63 694**	**63 665**	**61 592**	**196 883**	**327 550**	**60.1%**	**0.6**
East	Bugesera	704	37 860	10 857	11 651	61 073	129 056	47.3%	1.07
	Rwamagana	907	13 842	4 902	11 554	31 204	68 196	45.8%	0.63
	Gatsibo	3 961	29 001	4 801	26 188	63 951	158 232	40.4%	0.91
	Kayonza	1 367	5 821	1 567	30 368	39 123	193 496	20.2%	0.76
	Kirehe	235	23 168	4 445	14 649	42 497	118 485	35.9%	0.76
	Ngoma	180	7 708	12 956	22 337	43 180	86 774	49.8%	0.76
	Nyagatare	4 269	20 296	34 809	59 868	119 242	192 011	62.1%	2.06
	Sub-total	**11 629**	**140 237**	**70 248**	**178 157**	**400 271**	**946 250**	**42.3%**	**1**
Rwanda		**33 006**	**503 549**	**230 201**	**438 335**	**1 205 091**	**2 531 310**	**47.6%**	**0.72**

A 4.2.1b. Agricultural land distribution (in Ha and %) by province and district and according to the main method used for erosion control

Province	District	Anti erosion method								Total	
		Radical terraces		Anti-erosion ditches		Anti-erosion hedges		Without anti-erosion measure			
Kigali City	Nyarugenge	819	14.6%	1 796	32.0%	1 727	30.8%	1 267	22.6%	5 609	100%
	Gasabo	441	2.1%	9 293	44.4%	4 166	19.9%	7 010	33.5%	20 910	100%
	Kicukiro	355	5.5%	1 884	29.3%	1 357	21.1%	2 843	44.2%	6 439	100%
	Sub-total	**1 615**	**4.9%**	**12 973**	**39.4%**	**7 250**	**22.0%**	**11 121**	**33.7%**	**32 959**	**100%**
South	Nyanza	423	1.4%	23 574	76.1%	1 595	5.1%	5 400	17.4%	30 992	100%
	Gisagara	667	2.0%	19 414	57.7%	1 865	5.5%	11 701	34.8%	33 647	100%
	Nyaruguru	3 532	6.1%	31 059	53.7%	5 172	8.9%	18 109	31.3%	57 872	100%
	Huye	217	0.5%	18 228	43.0%	1 966	4.6%	21 941	51.8%	42 352	100%
	Nyamagabe	1 628	3.6%	27 318	59.6%	4 260	9.3%	12 611	27.5%	45 817	100%
	Ruhango	81	0.3%	24 551	76.8%	2 307	7.2%	5 041	15.8%	31 980	100%
	Muhanga	713	1.6%	31 119	69.6%	6 783	15.2%	6 087	13.6%	44 702	100%
	Kamonyi	1 736	4.4%	25 092	63.2%	5 370	13.5%	7 485	18.9%	39 683	100%
	Sub-total	**8 995**	**2.8%**	**200 357**	**61.3%**	**29 319**	**9.0%**	**88 376**	**27.0%**	**327 047**	**100%**
West	Karongi	1 685	2.7%	18 032	28.9%	32 873	52.6%	9 856	15.8%	62 446	100%
	Ngororero	256	0.6%	27 586	63.1%	7 731	17.7%	8 141	18.6%	43 714	100%
	Nyabihu	291	1.1%	12 696	46.0%	5 874	21.3%	8 741	31.7%	27 602	100%
	Rubavu	163	0.9%	5 951	31.6%	1 813	9.6%	10 933	58.0%	18 860	100%
	Rutsiro	103	0.3%	12 707	36.4%	10 020	28.7%	12 100	34.6%	34 930	100%
	Rusizi	283	0.8%	10 452	29.6%	8 041	22.7%	16 595	46.9%	35 371	100%
	Nyamasheke	1 069	2.3%	18 744	39.8%	7 954	16.9%	19 275	41.0%	47 042	100%
	Sub-total	**3 849**	**1.4%**	**106 168**	**39.3%**	**74 306**	**27.5%**	**85 641**	**31.7%**	**269 964**	**100%**
North	Rulindo	1 680	3.8%	22 380	51.1%	3 829	8.7%	15 892	36.3%	43 781	100%
	Gakenke	1 784	3.8%	14 315	30.2%	20 069	42.4%	11 159	23.6%	47 327	100%
	Musanze	1 298	3.4%	4 823	12.8%	9 982	26.5%	21 623	57.3%	37 726	100%
	Burera	981	2.4%	14 297	35.4%	15 725	38.9%	9 393	23.3%	40 396	100%
	Gicumbi	2 981	7.0%	25 139	59.4%	8 355	19.7%	5 873	13.9%	42 348	100%
	Sub-total	**8 726**	**4.1%**	**80 951**	**38.3%**	**57 960**	**27.4%**	**63 939**	**30.2%**	**211 576**	**100%**
East	Bugesera	1 942	3.0%	41 264	64.3%	7 182	11.2%	13 829	21.5%	64 217	100%
	Rwamagana	1 149	3.4%	16 095	47.8%	6 476	19.3%	9 918	29.5%	33 638	100%
	Gatsibo	3 623	6.2%	26 985	46.3%	8 810	15.1%	18 853	32.4%	58 271	100%
	Kayonza	78	0.2%	12 334	26.1%	3 949	8.3%	30 965	65.4%	47 326	100%
	Kirehe	132	0.3%	21 347	54.8%	5 020	12.9%	12 482	32.0%	38 981	100%
	Ngoma	316	0.8%	16 187	43.3%	4 365	11.7%	16 507	44.2%	37 375	100%
	Nyagatare	2 976	1.9%	16 949	10.6%	7 571	4.7%	131 904	82.8%	159 400	100%
	Sub-total	**10 214**	**2.3%**	**151 161**	**34.4%**	**43 372**	**9.9%**	**234 457**	**53.4%**	**439 204**	**100%**
Total	**Total**	**33 399**	**2.6%**	**551 610**	**43.1%**	**212 207**	**16.6%**	**483 534**	**37.8%**	**1 280 750**	**100%**

A 4.2.2. Proportion (%) of Agricultural holdings by province and district according to the level of splitting , average number of blocks and average size.

Province	District	Land splitting : number of blocks				Average number of blocks	Average area by farm (Ha)
		01 - 02	03 - 04	05 - 06	7 & above		
Kigali City	Nyarugenge	53.8%	29.8%	13.9%	2.5%	3	0.6
	Gasabo	55.7%	32.3%	7.8%	4.2%	3	0.67
	Kicukiro	69.7%	21.0%	7.9%	1.4%	2	0.66
	Sub-total	**58.1%**	**29.6%**	**8.9%**	**3.4%**	**3**	**0.65**
South	Nyanza	53.2%	28.5%	10.8%	7.5%	3	0.66
	Gisagara	40.7%	36.6%	12.9%	9.8%	4	0.5
	Nyaruguru	17.7%	41.5%	22.6%	18.2%	5	1.07
	Huye	29.4%	40.6%	15.3%	14.7%	4	0.77
	Nyamagabe	26.0%	34.1%	20.9%	18.9%	4	0.7
	Ruhango	56.7%	34.8%	5.9%	2.7%	3	0.57
	Muhanga	38.4%	37.4%	12.2%	12.0%	4	0.77
	Kamonyi	34.9%	37.7%	17.1%	10.3%	4	0.68
	Sub-total	**36.8%**	**36.5%**	**14.8%**	**11.9%**	**4**	**0.71**
West	Karongi	26.1%	35.0%	21.6%	17.3%	4	1.02
	Ngororero	32.1%	37.1%	18.3%	12.5%	4	0.65
	Nyabihu	29.4%	27.6%	19.8%	23.2%	5	0.49
	Rubavu	34.3%	32.6%	20.5%	12.6%	4	0.37
	Rutsiro	29.2%	38.3%	17.2%	15.3%	4	0.58
	Rusizi	36.8%	37.0%	16.9%	9.3%	4	0.55
	Nyamasheke	32.6%	40.7%	15.3%	11.4%	4	0.61
	Sub-total	**31.5%**	**35.8%**	**18.3%**	**14.3%**	**4**	**0.62**
North	Rulindo	31.1%	44.2%	13.4%	11.3%	4	0.78
	Gakenke	16.8%	34.6%	19.2%	29.4%	5	0.65
	Musanze	19.2%	31.3%	20.8%	28.6%	5	0.59
	Burera	14.5%	24.1%	27.5%	33.9%	6	0.62
	Gicumbi	31.8%	37.7%	20.6%	10.0%	4	0.61
	Sub-total	**22.4%**	**34.2%**	**20.5%**	**22.9%**	**5**	**0.65**
East	Bugesera	71.4%	23.2%	4.2%	1.2%	2	1.12
	Rwamagana	59.0%	27.8%	9.8%	3.4%	3	0.68
	Gatsibo	59.6%	27.9%	9.3%	3.3%	3	0.83
	Kayonza	54.8%	30.7%	8.9%	5.7%	3	0.92
	Kirehe	50.7%	41.1%	6.2%	2.0%	3	0.7
	Ngoma	38.9%	44.8%	10.2%	6.1%	3	0.66
	Nyagatare	62.4%	27.9%	5.6%	4.2%	2	2.75
	Sub-total	**56.8%**	**31.8%**	**7.7%**	**3.7%**	**3**	**1.1**
Rwanda		**38.0%**	**34.5%**	**15.0%**	**12.5%**	**4**	**0.76**

A 4.2.3a. Total number of agricultural households by province and district according to holding size (area intervals in Ha)

		Area size groups											
Province	**District**	<= 0.19 Ha	0.20 - 0.49 Ha	0.50 - 0.99 Ha	1 -1.99 Ha	2 - 2.99 Ha	3 - 3.99 Ha	4 - 4.99 Ha	5 - 9.99 Ha	10 - 19.99 Ha	20.0 - 49.99 Ha	50 - 99 Ha	Total
Kigali City	Nyarugenge	2 611	2 545	2 587	1 188	382	0	0	0	0	0	0	9 313
	Gasabo	11 849	9 669	5 780	1 930	1 047	133	304	440	161	0	0	31 313
	Kicukiro	3 743	2 496	1 509	1 135	690	0	0	174	0	0	0	9 747
	Sub-total	**18 202**	**14 710**	**9 877**	**4 253**	**2 119**	**133**	**304**	**614**	**161**	**0**	**0**	**50 373**
South	Nyanza	17 792	10 677	10 074	5 150	1 947	395	567	316	0	0	0	46 918
	Gisagara	23 573	23 520	14 844	4 062	1 107	501	177	0	0	0	0	67 784
	Nyaruguru	15 276	12 719	11 632	9 028	2 039	1 420	497	785	701	0	0	54 097
	Huye	14 901	22 748	11 095	4 304	1 061	521	189	0	0	0	197	55 016
	Nyamagabe	17 460	21 827	14 131	7 534	2 622	716	373	910	0	0	0	65 575
	Ruhango	15 560	18 077	13 587	6 895	1 054	447	91	0	0	0	0	55 712
	Muhanga	11 730	16 742	14 221	11 891	2 387	542	362	325	0	0	0	58 200
	Kamonyi	15 354	18 060	13 227	8 074	1 941	1 301	453	0	0	0	0	58 410
	Sub-total	**131 647**	**144 371**	**102 812**	**56 938**	**14 158**	**5 843**	**2 708**	**2 335**	**701**	**0**	**197**	**461 711**
West	Karongi	14 116	18 750	14 481	8 993	2 362	381	694	922	359	0	0	61 059
	Ngororero	14 901	22 406	18 026	8 098	2 204	691	361	362	0	0	0	67 049
	Nyabihu	16 783	20 176	12 497	6 284	527	150	153	0	0	0	0	56 570
	Rubavu	23 541	16 546	7 393	2 385	509	284	200	0	0	0	0	50 858
	Rutsiro	19 631	21 858	10 619	5 001	2 040	169	587	501	0	0	0	60 406
	Rusizi	22 233	18 512	13 524	7 432	1 952	160	0	0	159	0	0	63 972
	Nyamasheke	26 512	20 602	14 784	11 063	2 653	617	366	0	0	0	0	76 597
	Sub-total	**137 716**	**138 851**	**91 324**	**49 256**	**12 248**	**2 453**	**2 362**	**1 784**	**518**	**0**	**0**	**436 512**
North	Rulindo	12 449	19 494	10 349	9 395	2 413	833	819	154	0	0	0	55 907
	Gakenke	15 175	22 299	20 827	11 302	2 268	491	160	0	0	0	0	72 521
	Musanze	21 462	18 753	13 242	7 349	1 355	698	881	517	0	0	0	64 256
	Burera	14 184	23 541	16 110	9 212	1 657	577	0	0	0	0	0	65 281
	Gicumbi	17 829	22 799	17 686	9 261	1 115	485	0	110	0	0	0	69 285
	Sub-total	**81 098**	**106 886**	**78 214**	**46 519**	**8 808**	**3 084**	**1 860**	**781**	**0**	**0**	**0**	**327 250**
East	Bugesera	4 325	11 874	15 026	17 626	5 573	1 674	886	124	0	0	0	57 109
	Rwamagana	11 767	14 859	13 033	7 782	1 242	429	318	216	0	0	0	49 645
	Gatsibo	12 779	21 823	19 346	9 828	4 606	1 229	0	164	343	0	0	70 119
	Kayonza	12 104	12 215	13 451	8 848	1 724	1 635	686	724	0	0	0	51 387
	Kirehe	13 654	12 662	14 783	12 277	1 582	404	336	0	0	0	0	55 699
	Ngoma	10 047	21 617	13 599	8 775	1 643	976	346	0	0	0	0	57 004
	Nyagatare	6 341	10 892	16 921	11 868	6 152	1 642	339	918	769	1 338	700	57 879
	Sub-total	**71 017**	**105 943**	**106 159**	**77 005**	**22 522**	**7 989**	**2 911**	**2 146**	**1 112**	**1 338**	**700**	**398 841**
Total		**439 681**	**510 760**	**388 386**	**233 970**	**59 855**	**19 502**	**10 146**	**7 661**	**2 492**	**1 338**	**897**	**1 674 687**

A 4.2.3b. Proportion (%) of agricultural households by province and district according to holding size (area intervals in Ha)

Province	District	Area size groups											
		<= 0.19 Ha	0.20 - 0.49 Ha	0.50 - 0.99 Ha	1 -1.99 Ha	2 - 2.99 Ha	3 - 3.99 Ha	4 - 4.99 Ha	5 - 9.99 Ha	10 - 19.99 Ha	20.0 - 49.99 Ha	50 - 99 Ha	Total
Kigali City	Nyarugenge	28.0%	27.3%	27.8%	12.8%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
	Gasabo	37.8%	30.9%	18.5%	6.2%	3.3%	0.4%	1.0%	1.4%	0.5%	0.0%	0.0%	100%
	Kicukiro	38.4%	25.6%	15.5%	11.6%	7.1%	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	100%
	Sub-total	**36.1%**	**29.2%**	**19.6%**	**8.4%**	**4.2%**	**0.3%**	**0.6%**	**1.2%**	**0.3%**	**0.0%**	**0.0%**	**100%**
South	Nyanza	37.9%	22.8%	21.5%	11.0%	4.1%	0.8%	1.2%	0.7%	0.0%	0.0%	0.0%	100%
	Gisagara	34.8%	34.7%	21.9%	6.0%	1.6%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%	100%
	Nyaruguru	28.2%	23.5%	21.5%	16.7%	3.8%	2.6%	0.9%	1.5%	1.3%	0.0%	0.0%	100%
	Huye	27.1%	41.3%	20.2%	7.8%	1.9%	0.9%	0.3%	0.0%	0.0%	0.0%	0.4%	100%
	Nyamagabe	26.6%	33.3%	21.6%	11.5%	4.0%	1.1%	0.6%	1.4%	0.0%	0.0%	0.0%	100%
	Ruhango	27.9%	32.4%	24.4%	12.4%	1.9%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	100%
	Muhanga	20.2%	28.8%	24.4%	20.4%	4.1%	0.9%	0.6%	0.6%	0.0%	0.0%	0.0%	100%
	Kamonyi	26.3%	30.9%	22.6%	13.8%	3.3%	2.2%	0.8%	0.0%	0.0%	0.0%	0.0%	100%
	Sub-total	**28.5%**	**31.3%**	**22.3%**	**12.3%**	**3.1%**	**1.3%**	**0.6%**	**0.5%**	**0.2%**	**0.0%**	**0.0%**	**100%**
West	Karongi	23.1%	30.7%	23.7%	14.7%	3.9%	0.6%	1.1%	1.5%	0.6%	0.0%	0.0%	100%
	Ngororero	22.2%	33.4%	26.9%	12.1%	3.3%	1.0%	0.5%	0.5%	0.0%	0.0%	0.0%	100%
	Nyabihu	29.7%	35.7%	22.1%	11.1%	0.9%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	100%
	Rubavu	46.3%	32.5%	14.5%	4.7%	1.0%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%	100%
	Rutsiro	32.5%	36.2%	17.6%	8.3%	3.4%	0.3%	1.0%	0.8%	0.0%	0.0%	0.0%	100%
	Rusizi	34.8%	28.9%	21.1%	11.6%	3.1%	0.3%	0.0%	0.0%	0.2%	0.0%	0.0%	100%
	Nyamasheke	34.6%	26.9%	19.3%	14.4%	3.5%	0.8%	0.5%	0.0%	0.0%	0.0%	0.0%	100%
	Sub-total	**31.5%**	**31.8%**	**20.9%**	**11.3%**	**2.8%**	**0.6%**	**0.5%**	**0.4%**	**0.1%**	**0.0%**	**0.0%**	**100%**
North	Rulindo	22.3%	34.9%	18.5%	16.8%	4.3%	1.5%	1.5%	0.3%	0.0%	0.0%	0.0%	100%
	Gakenke	20.9%	30.7%	28.7%	15.6%	3.1%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	100%
	Musanze	33.4%	29.2%	20.6%	11.4%	2.1%	1.1%	1.4%	0.8%	0.0%	0.0%	0.0%	100%
	Burera	21.7%	36.1%	24.7%	14.1%	2.5%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
	Gicumbi	25.7%	32.9%	25.5%	13.4%	1.6%	0.7%	0.0%	0.2%	0.0%	0.0%	0.0%	100%
	Sub-total	**24.8%**	**32.7%**	**23.9%**	**14.2%**	**2.7%**	**0.9%**	**0.6%**	**0.2%**	**0.0%**	**0.0%**	**0.0%**	**100%**
East	Bugesera	7.6%	20.8%	26.3%	30.9%	9.8%	2.9%	1.6%	0.2%	0.0%	0.0%	0.0%	100%
	Rwamagana	23.7%	29.9%	26.3%	15.7%	2.5%	0.9%	0.6%	0.4%	0.0%	0.0%	0.0%	100%
	Gatsibo	18.2%	31.1%	27.6%	14.0%	6.6%	1.8%	0.0%	0.2%	0.5%	0.0%	0.0%	100%
	Kayonza	23.6%	23.8%	26.2%	17.2%	3.4%	3.2%	1.3%	1.4%	0.0%	0.0%	0.0%	100%
	Kirehe	24.5%	22.7%	26.5%	22.0%	2.8%	0.7%	0.6%	0.0%	0.0%	0.0%	0.0%	100%
	Ngoma	17.6%	37.9%	23.9%	15.4%	2.9%	1.7%	0.6%	0.0%	0.0%	0.0%	0.0%	100%
	Nyagatare	11.0%	18.8%	29.2%	20.5%	10.6%	2.8%	0.6%	1.6%	1.3%	2.3%	1.2%	100%
	Sub-total	**17.8%**	**26.6%**	**26.6%**	**19.3%**	**5.6%**	**2.0%**	**0.7%**	**0.5%**	**0.3%**	**0.3%**	**0.2%**	**100%**
Total	**%**	**26.3%**	**30.5%**	**23.2%**	**14.0%**	**3.6%**	**1.2%**	**0.6%**	**0.5%**	**0.1%**	**0.1%**	**0.1%**	**100%**
	Cumulative %	26.3%	56.8%	80.0%	94.0%	97.6%	98.8%	99.4%	99.9%	100%	100%	100%	

.A 4.2.4. Agricultural land distribution (in Ha and %) by province and district according to the mode of acquisition

Province	District	Inheritance		Purchase		Gift		Free use		Sharecropping / Leasing		Voluntary sharing		Donated by the State		Other		Total	
Kigali City	Nyarugenge	3 535	63.0%	860	15.3%	30	0.5%	240	4.3%	435	7.8%	106	1.9%	404	7.2%	0	0.0%	5 609	100%
	Gasabo	11 985	57.3%	5 483	26.2%	847	4.1%	123	0.6%	464	2.2%	110	0.5%	1 839	8.8%	59	0.3%	20 910	100%
	Kicukiro	2 262	35.1%	2 466	38.3%	122	1.9%	22	0.3%	626	9.7%	647	10.0%	295	4.6%	0	0.0%	6 440	100%
	Sub-total	**17 782**	**54.0%**	**8 808**	**26.7%**	**1 000**	**3.0%**	**384**	**1.2%**	**1 526**	**4.6%**	**862**	**2.6%**	**2 538**	**7.7%**	**59**	**0.2%**	**32 959**	**100%**
South	Nyanza	20 746	66.9%	4 505	14.5%	579	1.9%	978	3.2%	2 866	9.2%	249	0.8%	942	3.0%	126	0.4%	30 992	100%
	Gisagara	13 884	41.3%	7 439	22.1%	2 841	8.4%	1 649	4.9%	3 402	10.1%	2 269	6.7%	1 557	4.6%	606	1.8%	33 647	100%
	Nyaruguru	32 787	56.7%	12 636	21.8%	1 050	1.8%	794	1.4%	8 275	14.3%	25	0.0%	1 762	3.0%	545	0.9%	57 873	100%
	Huye	30 249	71.4%	3 822	9.0%	1 286	3.0%	1 848	4.4%	2 834	6.7%	1 336	3.2%	896	2.1%	80	0.2%	42 352	100%
	Nyamagabe	30 661	66.9%	6 482	14.1%	3 733	8.1%	1 005	2.2%	1 931	4.2%	26	0.1%	558	1.2%	1 423	3.1%	45 818	100%
	Ruhango	17 153	53.6%	5 709	17.9%	2 077	6.5%	1 420	4.4%	3 307	10.3%	219	0.7%	1 974	6.2%	122	0.4%	31 980	100%
	Muhanga	30 988	69.3%	9 307	20.8%	1 412	3.2%	281	0.6%	2 139	4.8%	39	0.1%	480	1.1%	57	0.1%	44 703	100%
	Kamonyi	19 023	47.9%	6 546	16.5%	1 800	4.5%	297	0.7%	2 003	5.0%	4 059	10.2%	5 625	14.2%	329	0.8%	39 682	100%
	Sub-total	**195 490**	**59.8%**	**56 445**	**17.3%**	**14 779**	**4.5%**	**8 272**	**2.5%**	**26 757**	**8.2%**	**8 223**	**2.5%**	**13 794**	**4.2%**	**3 287**	**1.0%**	**327 047**	**100%**
West	Karongi	48 447	77.6%	7 323	11.7%	3 000	4.8%	451	0.7%	2 813	4.5%	0	0.0%	290	0.5%	123	0.2%	62 446	100%
	Ngororero	29 126	66.6%	9 117	20.9%	1 367	3.1%	1 354	3.1%	2 306	5.3%	0	0.0%	42	0.1%	400	0.9%	43 713	100%
	Nyabihu	9 440	34.2%	7 952	28.8%	3 586	13.0%	342	1.2%	3 885	14.1%	78	0.3%	2 319	8.4%	0	0.0%	27 602	100%
	Rubavu	9 236	49.0%	5 688	30.2%	1 042	5.5%	529	2.8%	1 697	9.0%	114	0.6%	317	1.7%	236	1.3%	18 860	100%
	Rutsiro	16 116	46.1%	12 662	36.3%	2 236	6.4%	537	1.5%	1 269	3.6%	22	0.1%	1 778	5.1%	309	0.9%	34 929	100%
	Rusizi	17 860	50.5%	11 041	31.2%	1 129	3.2%	1 095	3.1%	2 820	8.0%	22	0.1%	723	2.0%	680	1.9%	35 371	100%
	Nyamasheke	25 076	53.3%	10 079	21.4%	3 496	7.4%	928	2.0%	4 894	10.4%	153	0.3%	1 964	4.2%	454	1.0%	47 042	100%
	Sub-total	**155 301**	**57.5%**	**63 861**	**23.7%**	**15 855**	**5.9%**	**5 236**	**1.9%**	**19 683**	**7.3%**	**389**	**0.1%**	**7 433**	**2.8%**	**2 203**	**0.8%**	**269 963**	**100%**
North	Rulindo	24 097	55.0%	10 617	24.3%	4 720	10.8%	785	1.8%	3 072	7.0%	21	0.0%	168	0.4%	299	0.7%	43 780	100%
	Gakenke	27 022	57.1%	15 623	33.0%	1 956	4.1%	443	0.9%	1 845	3.9%	125	0.3%	278	0.6%	34	0.1%	47 327	100%
	Musanze	17 719	47.0%	13 945	37.0%	2 401	6.4%	621	1.6%	2 442	6.5%	19	0.1%	489	1.3%	90	0.2%	37 727	100%
	Burera	21 336	52.8%	14 400	35.6%	844	2.1%	509	1.3%	2 663	6.6%	492	1.2%	21	0.1%	130	0.3%	40 395	100%
	Gicumbi	25 767	60.8%	9 496	22.4%	3 968	9.4%	613	1.4%	1 192	2.8%	281	0.7%	807	1.9%	224	0.5%	42 348	100%
	Sub-total	**115 940**	**54.8%**	**64 081**	**30.3%**	**13 890**	**6.6%**	**2 971**	**1.4%**	**11 215**	**5.3%**	**939**	**0.4%**	**1 764**	**0.8%**	**776**	**0.4%**	**211 577**	**100%**
East	Bugesera	20 891	32.5%	20 307	31.6%	1 620	2.5%	3 169	4.9%	4 129	6.4%	1 486	2.3%	11 902	18.5%	711	1.1%	64 216	100%
	Rwamagana	14 303	42.5%	10 219	30.4%	519	1.5%	721	2.1%	3 137	9.3%	446	1.3%	3 463	10.3%	829	2.5%	33 638	100%
	Gatsibo	17 000	29.2%	21 441	36.8%	6 392	11.0%	774	1.3%	1 391	2.4%	1 232	2.1%	9 915	17.0%	127	0.2%	58 271	100%
	Kayonza	17 145	36.2%	12 593	26.6%	2 864	6.1%	940	2.0%	5 496	11.6%	1 820	3.8%	5 867	12.4%	600	1.3%	47 325	100%
	Kirehe	6 322	16.2%	10 261	26.3%	901	2.3%	1 593	4.1%	2 996	7.7%	9 536	24.5%	6 846	17.6%	525	1.3%	38 981	100%
	Ngoma	18 152	48.6%	8 799	23.5%	709	1.9%	1 105	3.0%	2 898	7.8%	1 192	3.2%	4 377	11.7%	145	0.4%	37 375	100%
	Nyagatare	4 187	2.6%	39 342	24.7%	85 928	53.9%	1 833	1.1%	6 337	4.0%	3 663	2.3%	17 815	11.2%	295	0.2%	159 399	100%
	Sub-total	**97 999**	**22.3%**	**122 962**	**28.0%**	**98 933**	**22.5%**	**10 135**	**2.3%**	**26 385**	**6.0%**	**19 375**	**4.4%**	**60 185**	**13.7%**	**3 232**	**0.7%**	**439 205**	**100%**
Total		**582 511**	**45.5%**	**316 158**	**24.7%**	**144 457**	**11.3%**	**26 999**	**2.1%**	**85 565**	**6.7%**	**29 788**	**2.3%**	**85 715**	**6.7%**	**9 557**	**0.7%**	**1 280 751**	**100%**

A 4.2.5. Agricultural land distribution by province, district and according to the main method of water supply to crops

Province	District	Crop typology								Total	
		Rainfed crops		Irrigated crops		Drainage		Watering			
Kigali City	Nyarugenge	5 581	99.5%	6	0.1%	23	0.4%	0	0.0%	5 609	100%
	Gasabo	20 481	97.9%	174	0.8%	74	0.4%	181	0.9%	20 910	100%
	Kicukiro	6 195	96.2%	38	0.6%	174	2.7%	33	0.5%	6 440	100%
	Sub-total	**32 256**	**97.9%**	**217**	**0.7%**	**271**	**0.8%**	**214**	**0.6%**	**32 959**	**100%**
South	Nyanza	30 129	97.2%	487	1.6%	290	0.9%	86	0.3%	30 992	100%
	Gisagara	31 704	94.2%	444	1.3%	1 149	3.4%	351	1.0%	33 647	100%
	Nyaruguru	56 138	97.0%	328	0.6%	1 312	2.3%	94	0.2%	57 873	100%
	Huye	40 897	96.6%	300	0.7%	997	2.4%	158	0.4%	42 352	100%
	Nyamagabe	45 385	99.1%	195	0.4%	187	0.4%	51	0.1%	45 818	100%
	Ruhango	30 819	96.4%	318	1.0%	228	0.7%	616	1.9%	31 980	100%
	Muhanga	43 918	98.2%	85	0.2%	541	1.2%	158	0.4%	44 703	100%
	Kamonyi	38 008	95.8%	551	1.4%	651	1.6%	473	1.2%	39 682	100%
	Sub-total	**316 997**	**96.9%**	**2 709**	**0.8%**	**5 354**	**1.6%**	**1 987**	**0.6%**	**327 047**	**100%**
West	Karongi	62 225	99.6%	0	0.0%	36	0.1%	185	0.3%	62 446	100%
	Ngororero	43 280	99.0%	95	0.2%	316	0.7%	22	0.1%	43 713	100%
	Nyabihu	27 513	99.7%	57	0.2%	33	0.1%	0	0.0%	27 602	100%
	Rubavu	18 170	96.3%	65	0.3%	46	0.2%	580	3.1%	18 860	100%
	Rutsiro	34 096	97.6%	123	0.4%	710	2.0%	0	0.0%	34 929	100%
	Rusizi	34 206	96.7%	286	0.8%	847	2.4%	31	0.1%	35 371	100%
	Nyamasheke	46 510	98.9%	377	0.8%	123	0.3%	32	0.1%	47 042	100%
	Sub-total	**266 000**	**98.5%**	**1 004**	**0.4%**	**2 108**	**0.8%**	**851**	**0.3%**	**269 963**	**100%**
North	Rulindo	42 813	97.8%	292	0.7%	340	0.8%	335	0.8%	43 780	100%
	Gakenke	46 685	98.6%	309	0.7%	310	0.7%	23	0.0%	47 327	100%
	Musanze	37 562	99.6%	11	0.0%	82	0.2%	72	0.2%	37 727	100%
	Burera	39 998	99.0%	117	0.3%	228	0.6%	52	0.1%	40 395	100%
	Gicumbi	41 118	97.1%	797	1.9%	231	0.5%	202	0.5%	42 348	100%
	Sub-total	**208 176**	**98.4%**	**1 526**	**0.7%**	**1 190**	**0.6%**	**685**	**0.3%**	**211 577**	**100%**
East	Bugesera	63 137	98.3%	186	0.3%	689	1.1%	204	0.3%	64 216	100%
	Rwamagana	32 975	98.0%	53	0.2%	121	0.4%	488	1.5%	33 638	100%
	Gatsibo	55 794	95.7%	392	0.7%	1 802	3.1%	282	0.5%	58 271	100%
	Kayonza	46 820	98.9%	17	0.0%	195	0.4%	293	0.6%	47 325	100%
	Kirehe	37 929	97.3%	513	1.3%	538	1.4%	0	0.0%	38 981	100%
	Ngoma	36 419	97.4%	487	1.3%	443	1.2%	26	0.1%	37 375	100%
	Nyagatare	158 312	99.3%	837	0.5%	233	0.1%	18	0.0%	159 399	100%
	Sub-total	**431 386**	**98.2%**	**2 485**	**0.6%**	**4 021**	**0.9%**	**1 312**	**0.3%**	**439 205**	**100%**
Total		**1 254 817**	**98.0%**	**7 941**	**0.6%**	**12 944**	**1.0%**	**5 049**	**0.4%**	**1 280 751**	**100%**

A 4.2.6. Agricultural land distribution by province, district and according to farming method practiced

Province		Cultivation method						Total	
		Traditional cultivation		Animal traction		Mechanized cultivation			
Kigali City	Nyarugenge	5 609	100.0%	0	0.0%	0	0.0%	5 609	100%
	Gasabo	20 910	100.0%	0	0.0%	0	0.0%	20 910	100%
	Kicukiro	6 428	99.8%	11	0.2%	0	0.0%	6 440	100%
	Sub-total	**32 948**	**100.0%**	**11**	**0.0%**	**0**	**0.0%**	**32 959**	**100%**
South	Nyanza	30 984	100.0%	7	0.0%	0	0.0%	30 992	100%
	Gisagara	33 647	100.0%	0	0.0%	0	0.0%	33 647	100%
	Nyaruguru	57 873	100.0%	0	0.0%	0	0.0%	57 873	100%
	Huye	42 321	99.9%	28	0.1%	3	0.0%	42 352	100%
	Nyamagabe	45 796	100.0%	0	0.0%	22	0.0%	45 818	100%
	Ruhango	31 980	100.0%	0	0.0%	0	0.0%	31 980	100%
	Muhanga	44 703	100.0%	0	0.0%	0	0.0%	44 703	100%
	Kamonyi	39 682	100.0%	0	0.0%	0	0.0%	39 682	100%
	Sub-total	**326 987**	**100.0%**	**35**	**0.0%**	**25**	**0.0%**	**327 047**	**100%**
West	Karongi	62 446	100.0%	0	0.0%	0	0.0%	62 446	100%
	Ngororero	43 372	99.2%	342	0.8%	0	0.0%	43 713	100%
	Nyabihu	27 586	99.9%	16	0.1%	0	0.0%	27 602	100%
	Rubavu	18 848	99.9%	12	0.1%	0	0.0%	18 860	100%
	Rutsiro	34 916	100.0%	13	0.0%	0	0.0%	34 929	100%
	Rusizi	35 358	100.0%	12	0.0%	0	0.0%	35 371	100%
	Nyamasheke	47 010	99.9%	33	0.1%	0	0.0%	47 042	100%
	Sub-total	**269 536**	**99.8%**	**427**	**0.2%**	**0**	**0.0%**	**269 963**	**100%**
North	Rulindo	43 768	100.0%	12	0.0%	0	0.0%	43 780	100%
	Gakenke	47 207	99.7%	119	0.3%	0	0.0%	47 327	100%
	Musanze	37 727	100.0%	0	0.0%	0	0.0%	37 727	100%
	Burera	40 341	99.9%	50	0.1%	4	0.0%	40 395	100%
	Gicumbi	42 325	99.9%	24	0.1%	0	0.0%	42 348	100%
	Sub-total	**211 368**	**99.9%**	**205**	**0.1%**	**4**	**0.0%**	**211 577**	**100%**
East	Bugesera	64 019	99.7%	197	0.3%	0	0.0%	64 216	100%
	Rwamagana	33 638	100.0%	0	0.0%	0	0.0%	33 638	100%
	Gatsibo	58 269	100.0%	2	0.0%	0	0.0%	58 271	100%
	Kayonza	47 323	100.0%	2	0.0%	0	0.0%	47 325	100%
	Kirehe	38 959	99.9%	21	0.1%	0	0.0%	38 981	100%
	Ngoma	37 351	99.9%	0	0.0%	25	0.1%	37 375	100%
	Nyagatare	159 399	100.0%	0	0.0%	0	0.0%	159 399	100%
	Sub-total	**438 958**	**99.9%**	**222**	**0.1%**	**25**	**0.0%**	**439 205**	**100%**
Total		**1 279 796**	**99.9%**	**901**	**0.1%**	**54**	**0.0%**	**1 280 751**	**100%**

A 4.2.7. Agricultural land distribution by province, district and according to the time used (in minutes) to go to farm block from dwelling

Province	District	Access time (in min) from the dwelling										Total	
		0 - 15		16 - 30		31 - 45		46 - 60		60 min & above			
Kigali City	Nyarugenge	4 733	84.4%	514	9.2%	181	3.2%	132	2.4%	49	0.9%	5 609	100%
	Gasabo	16 072	76.9%	1 417	6.8%	756	3.6%	745	3.6%	1 921	9.2%	20 910	100%
	Kicukiro	4 888	75.9%	504	7.8%	141	2.2%	721	11.2%	185	2.9%	6 440	100%
	Sub-total	**25 692**	**78.0%**	**2 435**	**7.4%**	**1 079**	**3.3%**	**1 598**	**4.8%**	**2 155**	**6.5%**	**32 959**	**100%**
South	Nyanza	25 953	83.7%	3 338	10.8%	601	1.9%	673	2.2%	427	1.4%	30 992	100%
	Gisagara	26 319	78.2%	4 172	12.4%	657	2.0%	1 487	4.4%	1 011	3.0%	33 647	100%
	Nyaruguru	40 263	69.6%	9 032	15.6%	5 487	9.5%	1 491	2.6%	1 600	2.8%	57 873	100%
	Huye	36 364	85.9%	4 209	9.9%	706	1.7%	758	1.8%	316	0.7%	42 352	100%
	Nyamagabe	35 564	77.6%	6 047	13.2%	2 400	5.2%	619	1.4%	1 188	2.6%	45 818	100%
	Ruhango	26 033	81.4%	3 060	9.6%	835	2.6%	1 005	3.1%	1 047	3.3%	31 980	100%
	Muhanga	38 469	86.1%	4 141	9.3%	611	1.4%	1 262	2.8%	221	0.5%	44 703	100%
	Kamonyi	31 062	78.3%	4 352	11.0%	1 179	3.0%	946	2.4%	2 143	5.4%	39 682	100%
	Sub-total	**260 026**	**79.5%**	**38 351**	**11.7%**	**12 477**	**3.8%**	**8 240**	**2.5%**	**7 953**	**2.4%**	**327 047**	**100%**
West	Karongi	51 962	83.2%	6 376	10.2%	1 320	2.1%	1 322	2.1%	1 466	2.3%	62 446	100%
	Ngororero	36 578	83.7%	4 228	9.7%	1 043	2.4%	1 130	2.6%	735	1.7%	43 713	100%
	Nyabihu	16 396	59.4%	5 702	20.7%	1 675	6.1%	2 119	7.7%	1 710	6.2%	27 602	100%
	Rubavu	12 747	67.6%	3 266	17.3%	940	5.0%	916	4.9%	993	5.3%	18 860	100%
	Rutsiro	17 768	50.9%	6 710	19.2%	2 057	5.9%	3 661	10.5%	4 732	13.5%	34 929	100%
	Rusizi	22 313	63.1%	6 183	17.5%	1 394	3.9%	1 904	5.4%	3 576	10.1%	35 371	100%
	Nyamasheke	32 283	68.6%	6 371	13.5%	3 311	7.0%	2 800	6.0%	2 277	4.8%	47 042	100%
	Sub-total	**190 048**	**70.4%**	**38 835**	**14.4%**	**11 740**	**4.3%**	**13 851**	**5.1%**	**15 488**	**5.7%**	**269 963**	**100%**
North	Rulindo	32 489	74.2%	5 953	13.6%	2 037	4.7%	1 936	4.4%	1 364	3.1%	43 780	100%
	Gakenke	36 757	77.7%	6 276	13.3%	1 990	4.2%	1 492	3.2%	812	1.7%	47 327	100%
	Musanze	24 248	64.3%	6 634	17.6%	1 737	4.6%	2 541	6.7%	2 566	6.8%	37 727	100%
	Burera	24 171	59.8%	7 843	19.4%	3 010	7.5%	2 768	6.9%	2 603	6.4%	40 395	100%
	Gicumbi	30 804	72.7%	6 509	15.4%	1 980	4.7%	2 288	5.4%	768	1.8%	42 348	100%
	Sub-total	**148 469**	**70.2%**	**33 215**	**15.7%**	**10 754**	**5.1%**	**11 026**	**5.2%**	**8 113**	**3.8%**	**211 577**	**100%**
East	Bugesera	50 239	78.2%	7 082	11.0%	1 575	2.5%	2 704	4.2%	2 615	4.1%	64 216	100%
	Rwamagana	24 002	71.4%	5 082	15.1%	1 823	5.4%	1 011	3.0%	1 721	5.1%	33 638	100%
	Gatsibo	45 464	78.0%	8 531	14.6%	1 124	1.9%	1 049	1.8%	2 103	3.6%	58 271	100%
	Kayonza	29 353	62.0%	12 928	27.3%	2 283	4.8%	1 423	3.0%	1 338	2.8%	47 325	100%
	Kirehe	16 302	41.8%	11 780	30.2%	4 780	12.3%	3 289	8.4%	2 829	7.3%	38 981	100%
	Ngoma	18 231	48.8%	8 202	21.9%	4 309	11.5%	3 649	9.8%	2 984	8.0%	37 375	100%
	Nyagatare	128 927	80.9%	11 972	7.5%	6 000	3.8%	6 868	4.3%	5 632	3.5%	159 399	100%
	Sub-total	**312 518**	**71.2%**	**65 576**	**14.9%**	**21 896**	**5.0%**	**19 993**	**4.6%**	**19 222**	**4.4%**	**439 205**	**100%**
Total		**936 754**	**73.1%**	**178 412**	**13.9%**	**57 945**	**4.5%**	**54 709**	**4.3%**	**52 931**	**4.1%**	**1 280 751**	**100%**

A 4.2.8. Agricultural land distribution by province, district and according to the topographic location

Province	District	Hilltop		Hillside		Foothills		Plain		Marsh		Total	
Kigali City	Nyarugenge	1 942	34.6%	2 599	46.3%	640	11.4%	396	7.1%	32	0.6%	5 609	100%
	Gasabo	8 489	40.6%	8 208	39.3%	1 437	6.9%	2 006	9.6%	769	3.7%	20 910	100%
	Kicukiro	1 816	28.2%	2 695	41.8%	397	6.2%	937	14.6%	595	9.2%	6 440	100%
	Sub-total	**12 189**	**37.0%**	**13 529**	**41.0%**	**2 484**	**7.5%**	**3 350**	**10.2%**	**1 407**	**4.3%**	**32 959**	**100%**
South	Nyanza	8 353	27.0%	15 889	51.3%	3 870	12.5%	2 359	7.6%	522	1.7%	30 992	100%
	Gisagara	7 546	22.4%	16 713	49.7%	4 149	12.3%	3 226	9.6%	2 013	6.0%	33 647	100%
	Nyaruguru	13 817	23.9%	27 803	48.0%	11 481	19.8%	4 283	7.4%	489	0.8%	57 873	100%
	Huye	5 767	13.6%	29 643	70.0%	4 155	9.8%	1 966	4.6%	822	1.9%	42 352	100%
	Nyamagabe	7 805	17.0%	26 837	58.6%	5 611	12.2%	5 523	12.1%	43	0.1%	45 818	100%
	Ruhango	6 105	19.1%	14 490	45.3%	7 215	22.6%	3 592	11.2%	577	1.8%	31 980	100%
	Muhanga	12 290	27.5%	22 554	50.5%	5 635	12.6%	3 557	8.0%	666	1.5%	44 703	100%
	Kamonyi	13 933	35.1%	14 712	37.1%	5 202	13.1%	4 493	11.3%	1 342	3.4%	39 682	100%
	Sub-total	**75 611**	**23.1%**	**168 737**	**51.6%**	**47 314**	**14.5%**	**28 971**	**8.9%**	**6 414**	**2.0%**	**327 047**	**100%**
West	Karongi	21 746	34.8%	29 660	47.5%	5 080	8.1%	5 516	8.8%	443	0.7%	62 446	100%
	Ngororero	6 429	14.7%	25 066	57.3%	6 751	15.4%	5 326	12.2%	141	0.3%	43 713	100%
	Nyabihu	3 885	14.1%	13 118	47.5%	2 968	10.8%	7 453	27.0%	178	0.6%	27 602	100%
	Rubavu	2 495	13.2%	3 391	18.0%	2 571	13.6%	10 349	54.9%	54	0.3%	18 860	100%
	Rutsiro	5 595	16.0%	20 860	59.7%	3 667	10.5%	4 695	13.4%	112	0.3%	34 929	100%
	Rusizi	7 157	20.2%	16 735	47.3%	5 056	14.3%	4 940	14.0%	1 482	4.2%	35 371	100%
	Nyamasheke	11 638	24.7%	16 320	34.7%	12 539	26.7%	5 569	11.8%	977	2.1%	47 042	100%
	Sub-total	**58 426**	**21.6%**	**125 369**	**46.4%**	**38 502**	**14.3%**	**44 278**	**16.4%**	**3 387**	**1.3%**	**269 963**	**100%**
North	Rulindo	12 360	28.2%	19 126	43.7%	2 804	6.4%	6 667	15.2%	2 823	6.4%	43 780	100%
	Gakenke	5 815	12.3%	26 078	55.1%	6 868	14.5%	6 777	14.3%	1 789	3.8%	47 327	100%
	Musanze	9 499	25.2%	8 707	23.1%	1 986	5.3%	16 903	44.8%	632	1.7%	37 727	100%
	Burera	5 649	14.0%	18 794	46.5%	3 703	9.2%	11 475	28.4%	773	1.9%	40 395	100%
	Gicumbi	11 778	27.8%	17 508	41.3%	6 221	14.7%	5 549	13.1%	1 291	3.0%	42 348	100%
	Sub-total	**44 933**	**21.2%**	**90 103**	**42.6%**	**21 542**	**10.2%**	**47 743**	**22.6%**	**7 256**	**3.4%**	**211 577**	**100%**
East	Bugesera	22 386	34.9%	33 601	52.3%	2 165	3.4%	5 751	9.0%	313	0.5%	64 216	100%
	Rwamagana	14 318	42.6%	14 544	43.2%	1 581	4.7%	2 801	8.3%	394	1.2%	33 638	100%
	Gatsibo	12 695	21.8%	13 315	22.8%	16 219	27.8%	14 466	24.8%	1 576	2.7%	58 271	100%
	Kayonza	21 860	46.2%	7 578	16.0%	4 253	9.0%	11 675	24.7%	1 959	4.1%	47 325	100%
	Kirehe	9 577	24.6%	9 364	24.0%	5 189	13.3%	13 318	34.2%	1 533	3.9%	38 981	100%
	Ngoma	15 296	40.9%	10 251	27.4%	3 103	8.3%	7 996	21.4%	728	1.9%	37 375	100%
	Nyagatare	24 094	15.1%	97 398	61.1%	12 022	7.5%	22 501	14.1%	3 384	2.1%	159 399	100%
	Sub-total	**119 266**	**27.2%**	**188 206**	**42.9%**	**43 914**	**10.0%**	**78 002**	**17.8%**	**9 817**	**2.2%**	**439 205**	**100%**
Total		**310 649**	**24.3%**	**586 081**	**45.8%**	**153 706**	**12.0%**	**202 051**	**15.8%**	**28 264**	**2.2%**	**1 280 751**	**100%**

A 4 2.9. Agricultural land distribution (in Ha) by province, district and by the main purpose of field

Province	District	Food crops		Cash crops		Forage crops		Fallow		Uncultivated fields/Pasture		Afforestation		Other use		Total	
Kigali City	Nyarugenge	4 659	83.1%	25	0.4%	14	0.2%	473	8.4%	0	0.0%	438	7.8%	0	0.0%	5 609	100%
	Gasabo	12 511	59.8%	552	2.6%	638	3.1%	1 242	5.9%	327	1.6%	5 632	26.9%	8	0.0%	20 910	100%
	Kicukiro	5 069	78.7%	85	1.3%	857	13.3%	28	0.4%	0	0.0%	401	6.2%	0	0.0%	6 440	100%
	Sub-total	**22 366**	**67.9%**	**651**	**2.0%**	**1 536**	**4.7%**	**1 731**	**5.3%**	**318**	**1.0%**	**6 349**	**19.3%**	**8**	**0.0%**	**32 959**	**100%**
South	Nyanza	25 404	82.0%	1 595	5.1%	902	2.9%	1 505	4.9%	289	0.9%	1 285	4.1%	13	0.0%	30 992	100%
	Gisagara	26 943	80.1%	1 069	3.2%	299	0.9%	3 125	9.3%	875	2.6%	1 278	3.8%	57	0.2%	33 647	100%
	Nyaruguru	19 554	33.8%	7 176	12.4%	1 655	2.9%	4 531	7.8%	2 466	4.3%	21 789	37.6%	702	1.2%	57 873	100%
	Huye	20 187	47.7%	792	1.9%	268	0.6%	2 080	4.9%	823	1.9%	17 806	42.0%	395	0.9%	42 352	100%
	Nyamagabe	28 304	61.8%	2 820	6.2%	606	1.3%	3 819	8.3%	1 556	3.4%	8 351	18.2%	362	0.8%	45 818	100%
	Ruhango	23 260	72.7%	1 543	4.8%	688	2.2%	3 345	10.5%	756	2.4%	2 326	7.3%	62	0.2%	31 980	100%
	Muhanga	36 526	81.7%	1 030	2.3%	415	0.9%	2 184	4.9%	48	0.1%	4 458	10.0%	43	0.1%	44 703	100%
	Kamonyi	26 797	67.5%	3 533	8.9%	535	1.3%	3 793	9.6%	452	1.1%	4 303	10.8%	268	0.7%	39 682	100%
	Sub-total	**206 571**	**63.2%**	**19 606**	**6.0%**	**5 374**	**1.6%**	**24 346**	**7.4%**	**7 262**	**2.2%**	**61 974**	**18.9%**	**1 913**	**0.6%**	**327 047**	**100%**
West	Karongi	37 610	60.2%	5 060	8.1%	506	0.8%	5 032	8.1%	6 076	9.7%	7 352	11.8%	810	1.3%	62 446	100%
	Ngororero	32 817	75.1%	719	1.6%	274	0.6%	5 599	12.8%	379	0.9%	3 511	8.0%	414	0.9%	43 713	100%
	Nyabihu	22 974	83.2%	773	2.8%	248	0.9%	1 086	3.9%	164	0.6%	2 202	8.0%	155	0.6%	27 602	100%
	Rubavu	16 711	88.6%	440	2.3%	90	0.5%	687	3.6%	9	0.0%	893	4.7%	30	0.2%	18 860	100%
	Rutsiro	20 783	59.5%	1 868	5.3%	746	2.1%	3 392	9.7%	3 012	8.6%	5 114	14.6%	14	0.0%	34 929	100%
	Rusizi	26 220	74.1%	2 412	6.8%	503	1.4%	1 243	3.5%	337	1.0%	4 263	12.1%	394	1.1%	35 371	100%
	Nyamasheke	34 754	73.9%	4 131	8.8%	1 678	3.6%	1 386	2.9%	942	2.0%	4 038	8.6%	113	0.2%	47 042	100%
	Sub-total	**192 350**	**71.3%**	**15 192**	**5.6%**	**3 985**	**1.5%**	**18 515**	**6.9%**	**10 698**	**4.0%**	**27 285**	**10.1%**	**1 938**	**0.7%**	**269 963**	**100%**
North	Rulindo	33 002	75.4%	1 092	2.5%	540	1.2%	3 441	7.9%	190	0.4%	5 274	12.0%	241	0.6%	43 780	100%
	Gakenke	34 851	73.6%	1 479	3.1%	318	0.7%	3 279	6.9%	262	0.6%	6 792	14.4%	345	0.7%	47 327	100%
	Musanze	31 202	82.7%	1 292	3.4%	999	2.6%	407	1.1%	10	0.0%	3 773	10.0%	44	0.1%	37 727	100%
	Burera	31 875	78.9%	247	0.6%	960	2.4%	3 815	9.4%	154	0.4%	3 283	8.1%	61	0.2%	40 395	100%
	Gicumbi	33 009	77.9%	1 244	2.9%	840	2.0%	4 828	11.4%	791	1.9%	1 369	3.2%	268	0.6%	42 348	100%
	Sub-total	**164 002**	**77.5%**	**5 347**	**2.5%**	**3 668**	**1.7%**	**15 688**	**7.4%**	**1 391**	**0.7%**	**20 528**	**9.7%**	**953**	**0.5%**	**211 577**	**100%**
East	Bugesera	47 117	73.4%	1 784	2.8%	2 479	3.9%	9 585	14.9%	1 631	2.5%	1 345	2.1%	274	0.4%	64 216	100%
	Rwamagana	25 091	74.6%	957	2.8%	1 729	5.1%	2 530	7.5%	1 358	4.0%	1 914	5.7%	58	0.2%	33 638	100%
	Gatsibo	48 461	83.2%	1 693	2.9%	336	0.6%	3 697	6.3%	2 259	3.9%	1 801	3.1%	24	0.0%	58 271	100%
	Kayonza	39 825	84.2%	2 473	5.2%	152	0.3%	4 028	8.5%	54	0.1%	620	1.3%	174	0.4%	47 325	100%
	Kirehe	34 983	89.7%	503	1.3%	482	1.2%	1 333	3.4%	177	0.5%	1 496	3.8%	6	0.0%	38 981	100%
	Ngoma	32 025	85.7%	1 068	2.9%	682	1.8%	2 031	5.4%	622	1.7%	808	2.2%	139	0.4%	37 375	100%
	Nyagatare	50 372	31.6%	567	0.4%	636	0.4%	2 732	1.7%	97 927	61.4%	1 122	0.7%	6 042	3.8%	159 399	100%
	Sub-total	**275 302**	**62.7%**	**8 833**	**2.0%**	**6 513**	**1.5%**	**25 586**	**5.8%**	**107 021**	**24.4%**	**9 054**	**2.1%**	**6 896**	**1.6%**	**439 205**	**100%**
Total		**859 640**	**67.1%**	**49 560**	**3.9%**	**21 040**	**1.6%**	**85 823**	**6.7%**	**128 008**	**10.0%**	**124 909**	**9.8%**	**11 771**	**0.9%**	**1 280 751**	**100%**

AGRICULTURAL PRACTICES AND CROP PRODUCTION

A 4.3.1a. Agricultural households having used agricultural inputs by province and district during Season 2008A

Province	District	Households having used improved seeds		Households having used pesticides/fungicides		Households users of fertilizers (Season 2008A)										Farm households non users of fertilizers	
						Households having used manure from big cattle livestock		Households having used manure from smaller livestock		Households having used compost		Households having used chemical fertilizers		Households having used organic fertilizers and/or mineral			
Kigali City	Nyarugenge	2 064	22.2%	2 066	22.2%	4 261	45.8%	5 700	61.2%	4 881	52.4%	598	6.4%	8 437	90.6%	876	9.4%
	Gasabo	3 083	9.8%	4 806	15.3%	12 634	40.3%	14 672	46.9%	15 865	50.7%	5 830	18.6%	26 240	83.8%	5 073	16.2%
	Kicukiro	533	5.5%	1 341	13.8%	3 348	34.3%	5 965	61.2%	6 197	63.6%	874	9.0%	8 387	86.1%	1 360	14.0%
	Sub-total	**5 679**	**11.3%**	**8 213**	**16.3%**	**20 243**	**40.2%**	**26 337**	**52.3%**	**26 943**	**53.5%**	**7 302**	**14.5%**	**43 065**	**85.5%**	**7 308**	**14.5%**
South	Nyanza	7 944	16.9%	4 760	10.1%	20 514	43.7%	7 945	16.9%	16 992	36.2%	3 882	8.3%	28 344	60.4%	18 574	39.6%
	Gisagara	9 143	13.5%	8 813	13.0%	18 066	26.7%	28 706	42.3%	30 569	45.1%	9 410	13.9%	52 706	77.8%	15 078	22.2%
	Nyaruguru	3 128	5.8%	9 426	17.4%	28 336	52.4%	25 335	46.8%	21 422	39.6%	12 624	23.3%	47 652	88.1%	6 445	11.9%
	Huye	7 248	13.2%	6 740	12.3%	20 518	37.3%	20 842	37.9%	18 533	33.7%	8 141	14.8%	38 005	69.1%	17 011	30.9%
	Nyamagabe	9 837	15.0%	8 057	12.3%	34 120	52.0%	42 979	65.5%	35 116	53.6%	14 521	22.1%	59 328	90.5%	6 247	9.5%
	Ruhango	8 649	15.5%	6 988	12.5%	31 061	55.8%	12 103	21.7%	18 202	32.7%	3 624	6.5%	40 053	71.9%	15 659	28.1%
	Muhanga	4 066	7.0%	6 364	10.9%	45 548	78.3%	33 034	56.8%	27 378	47.0%	4 231	7.3%	55 155	94.8%	3 045	5.2%
	Kamonyi	9 104	15.6%	11 276	19.3%	36 938	63.2%	17 715	30.3%	26 242	44.9%	6 781	11.6%	49 162	84.2%	9 248	15.8%
	Sub-total	**59 120**	**12.8%**	**62 424**	**13.5%**	**235 101**	**50.9%**	**188 659**	**40.9%**	**194 453**	**42.1%**	**63 214**	**13.7%**	**370 404**	**80.2%**	**91 307**	**19.8%**
West	Karongi	8 291	13.6%	7 652	12.5%	38 017	62.3%	32 724	53.6%	30 885	50.6%	8 368	13.7%	53 264	87.2%	7 795	12.8%
	Ngororero	7 324	10.9%	8 841	13.2%	40 310	60.1%	28 517	42.5%	23 810	35.5%	7 589	11.3%	52 955	79.0%	14 094	21.0%
	Nyabihu	3 698	6.5%	18 864	33.3%	13 053	23.1%	19 707	34.8%	18 197	32.2%	18 987	33.6%	41 740	73.8%	14 830	26.2%
	Rubavu	4 954	9.7%	20 945	41.2%	4 586	9.0%	13 533	26.6%	14 038	27.6%	21 370	42.0%	33 609	66.1%	17 249	33.9%
	Rutsiro	4 563	7.6%	19 014	31.5%	19 975	33.1%	29 082	48.1%	23 460	38.8%	14 083	23.3%	48 650	80.5%	11 756	19.5%
	Rusizi	8 044	12.6%	15 813	24.7%	18 402	28.8%	33 051	51.7%	30 702	48.0%	15 974	25.0%	51 968	81.2%	12 004	18.8%
	Nyamasheke	5 394	7.0%	13 936	18.2%	32 400	42.3%	23 624	30.8%	34 231	44.7%	15 629	20.4%	54 234	70.8%	22 363	29.2%
	Sub-total	**42 266**	**9.7%**	**105 065**	**24.1%**	**166 744**	**38.2%**	**180 239**	**41.3%**	**175 324**	**40.2%**	**102 001**	**23.4%**	**336 421**	**77.1%**	**100 091**	**22.9%**
North	Rulindo	4 522	8.1%	8 045	14.4%	30 637	54.8%	27 061	48.4%	23 119	41.4%	8 832	15.8%	47 233	84.5%	8 674	15.5%
	Gakenke	9 189	12.7%	10 689	14.7%	55 871	77.0%	31 198	43.0%	19 562	27.0%	15 429	21.3%	65 819	90.8%	6 702	9.2%
	Musanze	4 695	7.3%	19 359	30.1%	27 786	43.2%	27 514	42.8%	27 155	42.3%	17 240	26.8%	52 478	81.7%	11 778	18.3%
	Burera	5 533	8.5%	17 069	26.1%	28 700	44.0%	24 391	37.4%	20 687	31.7%	17 412	26.7%	55 077	84.4%	10 204	15.6%
	Gicumbi	11 122	16.1%	3 991	5.8%	34 006	49.1%	22 740	32.8%	33 075	47.7%	6 260	9.0%	58 427	84.3%	10 858	15.7%
	Sub-total	**35 061**	**10.7%**	**59 154**	**18.1%**	**177 000**	**54.1%**	**132 905**	**40.6%**	**123 597**	**37.8%**	**65 172**	**19.9%**	**279 034**	**85.3%**	**48 216**	**14.7%**
East	Bugesera	23 076	40.4%	5 140	9.0%	10 714	18.8%	25 764	45.1%	10 930	19.1%	9 654	16.9%	36 114	63.2%	20 995	36.8%
	Rwamagana	6 459	13.0%	7 571	15.2%	16 154	32.5%	17 038	34.3%	16 976	34.2%	7 605	15.3%	34 290	69.1%	15 355	30.9%
	Gatsibo	5 909	8.4%	2 944	4.2%	16 902	24.1%	20 515	29.3%	34 302	48.9%	5 453	7.8%	42 760	61.0%	27 359	39.0%
	Kayonza	10 730	20.9%	2 182	4.2%	9 692	18.9%	12 144	23.6%	14 236	27.7%	7 239	14.1%	24 776	48.2%	26 611	51.8%
	Kirehe	20 066	36.0%	2 115	3.8%	9 722	17.5%	11 307	20.3%	14 574	26.2%	18 143	32.6%	37 992	68.2%	17 707	31.8%
	Ngoma	8 867	15.6%	5 073	8.9%	12 274	21.5%	15 801	27.7%	17 236	30.2%	6 922	12.1%	32 898	57.7%	24 106	42.3%
	Nyagatare	5 295	9.1%	2 278	3.9%	7 084	12.2%	9 075	15.7%	12 019	20.8%	4 486	7.8%	24 617	42.5%	33 262	57.5%
	Sub-total	**80 403**	**20.2%**	**27 303**	**6.8%**	**82 542**	**20.7%**	**111 644**	**28.0%**	**120 274**	**30.2%**	**59 502**	**14.9%**	**233 447**	**58.5%**	**165 394**	**41.5%**
Total		**222 530**	**13.3%**	**262 159**	**15.7%**	**681 630**	**40.7%**	**639 785**	**38.2%**	**640 589**	**38.3%**	**297 191**	**17.7%**	**1 262 372**	**75.4%**	**412 315**	**24.6%**

A 4.3.1b. Agricultural households having used agricultural inputs by province and district during Season 2008B

Province	District	Households having used improved seeds		Households having used pesticides/fungicides		Households users of fertilizers (Season 2008B)										Farm households non users of fertilizers	
						Households having used manure from big cattle livestock		Households having used manure from smaller livestock		Households having used compost		Households having used chemical fertilizers		Households having used organic fertilizers and/or mineral			
Kigali City	Nyarugenge	1 680	18.0%	2 006	21.5%	2 356	25.3%	3 364	36.1%	1 408	15.1%	732	7.9%	6 190	66.5%	3 123	33.5%
	Gasabo	3 262	10.4%	4 045	12.9%	8 428	26.9%	9 083	29.0%	8 266	26.4%	3 916	12.5%	18 601	59.4%	12 712	40.6%
	Kicukiro	174	1.8%	603	6.2%	1 271	13.0%	2 238	23.0%	3 332	34.2%	689	7.1%	5 857	60.1%	3 890	39.9%
	Sub-total	**5 115**	**10.2%**	**6 654**	**13.2%**	**12 055**	**23.9%**	**14 685**	**29.2%**	**13 007**	**25.8%**	**5 337**	**10.6%**	**30 648**	**60.8%**	**19 725**	**39.2%**
South	Nyanza	5 989	12.8%	3 979	8.5%	18 127	38.6%	6 551	14.0%	16 202	34.5%	4 288	9.1%	28 668	61.1%	18 250	38.9%
	Gisagara	6 756	10.0%	7 792	11.5%	12 033	17.8%	24 735	36.5%	22 675	33.5%	8 285	12.2%	44 731	66.0%	23 053	34.0%
	Nyaruguru	2 195	4.1%	5 454	10.1%	16 040	29.7%	18 097	33.5%	12 504	23.1%	11 288	20.9%	36 463	67.4%	17 634	32.6%
	Huye	1 265	2.3%	4 982	9.1%	15 587	28.3%	12 235	22.2%	7 630	13.9%	6 511	11.8%	30 408	55.3%	24 608	44.7%
	Nyamagabe	8 764	13.4%	3 962	6.0%	26 650	40.6%	27 383	41.8%	15 709	24.0%	13 229	20.2%	47 808	72.9%	17 767	27.1%
	Ruhango	3 301	5.9%	1 842	3.3%	27 720	49.8%	7 422	13.3%	11 982	21.5%	1 725	3.1%	35 689	64.1%	20 023	35.9%
	Muhanga	5 288	9.1%	8 148	14.0%	47 623	81.8%	26 382	45.3%	25 026	43.0%	5 458	9.4%	52 062	89.5%	6 138	10.5%
	Kamonyi	3 289	5.6%	7 139	12.2%	26 016	44.5%	10 714	18.3%	16 657	28.5%	3 115	5.3%	35 872	61.4%	22 538	38.6%
	Sub-total	**36 846**	**8.0%**	**43 298**	**9.4%**	**189 797**	**41.1%**	**133 519**	**28.9%**	**128 385**	**27.8%**	**53 899**	**11.7%**	**311 702**	**67.5%**	**150 009**	**32.5%**
West	Karongi	5 704	9.3%	5 295	8.7%	36 467	59.7%	31 084	50.9%	30 822	50.5%	5 706	9.3%	53 775	88.1%	7 284	11.9%
	Ngororero	3 000	4.5%	9 246	13.8%	35 052	52.3%	20 402	30.4%	12 002	17.9%	6 511	9.7%	49 749	74.2%	17 300	25.8%
	Nyabihu	4 302	7.6%	21 258	37.6%	10 563	18.7%	11 576	20.5%	5 790	10.2%	18 216	32.2%	34 381	60.8%	22 189	39.2%
	Rubavu	2 380	4.7%	17 401	34.2%	5 966	11.7%	9 524	18.7%	10 773	21.2%	19 172	37.7%	29 485	58.0%	21 373	42.0%
	Rutsiro	7 221	12.0%	20 481	33.9%	17 453	28.9%	23 015	38.1%	11 803	19.5%	8 791	14.6%	37 465	62.0%	22 941	38.0%
	Rusizi	3 223	5.0%	16 536	25.8%	12 982	20.3%	25 368	39.7%	19 102	29.9%	15 206	23.8%	45 260	70.7%	18 712	29.3%
	Nyamasheke	3 991	5.2%	11 026	14.4%	26 523	34.6%	18 116	23.7%	16 966	22.1%	14 624	19.1%	46 073	60.1%	30 524	39.9%
	Sub-total	**29 821**	**6.8%**	**101 242**	**23.2%**	**145 006**	**33.2%**	**139 085**	**31.9%**	**107 259**	**24.6%**	**88 227**	**20.2%**	**296 187**	**67.9%**	**140 325**	**32.1%**
North	Rulindo	1 514	2.7%	4 063	7.3%	25 238	45.1%	12 091	21.6%	13 137	23.5%	4 082	7.3%	38 642	69.1%	17 265	30.9%
	Gakenke	10 434	14.4%	9 510	13.1%	52 108	71.9%	21 944	30.3%	18 832	26.0%	13 432	18.5%	65 363	90.1%	7 158	9.9%
	Musanze	5 360	8.3%	25 515	39.7%	24 394	38.0%	19 441	30.3%	16 024	24.9%	20 377	31.7%	50 674	78.9%	13 582	21.1%
	Burera	3 175	4.9%	19 050	29.2%	25 686	39.3%	14 540	22.3%	8 659	13.3%	16 067	24.6%	46 092	70.6%	19 189	29.4%
	Gicumbi	3 770	5.4%	3 268	4.7%	30 564	44.1%	17 087	24.7%	17 252	24.9%	4 235	6.1%	48 045	69.3%	21 240	30.7%
	Sub-total	**24 254**	**7.4%**	**61 406**	**18.8%**	**157 990**	**48.3%**	**85 102**	**26.0%**	**73 904**	**22.6%**	**58 193**	**17.8%**	**248 816**	**76.0%**	**78 434**	**24.0%**
East	Bugesera	3 828	6.7%	3 007	5.3%	5 171	9.1%	14 200	24.9%	2 741	4.8%	3 663	6.4%	19 360	33.9%	37 749	66.1%
	Rwamagana	6 642	13.4%	5 824	11.7%	10 868	21.9%	8 488	17.1%	8 511	17.1%	5 492	11.1%	22 109	44.5%	27 536	55.5%
	Gatsibo	1 333	1.9%	3 844	5.5%	15 862	22.6%	15 907	22.7%	31 851	45.4%	2 702	3.9%	41 558	59.3%	28 561	40.7%
	Kayonza	3 777	7.4%	2 195	4.3%	4 568	8.9%	6 343	12.3%	6 062	11.8%	2 978	5.8%	14 483	28.2%	36 904	71.8%
	Kirehe	4 278	7.7%	3 773	6.8%	4 686	8.4%	4 545	8.2%	8 983	16.1%	2 191	3.9%	14 205	25.5%	41 494	74.5%
	Ngoma	1 313	2.3%	2 767	4.9%	7 630	13.4%	13 530	23.7%	8 399	14.7%	4 036	7.1%	24 029	42.2%	32 975	57.8%
	Nyagatare	2 411	4.2%	2 923	5.0%	3 450	6.0%	4 502	7.8%	2 583	4.5%	2 703	4.7%	10 171	17.6%	47 708	82.4%
	Sub-total	**23 582**	**5.9%**	**24 332**	**6.1%**	**52 235**	**13.1%**	**67 515**	**16.9%**	**69 130**	**17.3%**	**23 765**	**6.0%**	**145 915**	**36.6%**	**252 926**	**63.4%**
Total		**119 619**	**7.1%**	**236 933**	**14.1%**	**557 082**	**33.3%**	**439 906**	**26.3%**	**391 685**	**23.4%**	**229 421**	**13.7%**	**1 033 268**	**61.7%**	**641 419**	**38.3%**

A 4.3.2a1. Agricultural households' expenditure (in RWF) on agricultural inputs by province and district during Season 2008A

Province	District	Agricultural machinary	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides	Agricultural manpower	Expenses in agricultural inputs Total
Kigali City	Nyarugenge	27 564 898	59 512 573	2 414 404	694 874	1 641 577	17 930 960	94 929 241	204 688 528
	Gasabo	91 149 990	232 216 395	4 881 177	23 492 988	26 478 654	24 095 480	318 860 613	721 175 296
	Kicukiro	18 758 677	16 451 401	359 926	5 633 625	1 646 656	11 158 168	207 578 973	261 587 426
	Sub-total	**137 473 565**	**308 180 369**	**7 655 507**	**29 821 486**	**29 766 887**	**53 184 608**	**621 368 827**	**1 187 451 250**
South	Nyanza	256 941 840	246 313 077	34 304 694	8 089 582	7 462 131	35 731 027	502 418 518	1 091 260 869
	Gisagara	158 701 675	382 657 103	15 683 107	59 015 581	12 318 593	30 777 787	524 827 920	1 183 981 765
	Nyaruguru	126 294 506	340 954 781	35 039 347	147 610 737	15 297 320	11 588 767	409 003 120	1 085 788 579
	Huye	121 561 916	417 264 752	7 275 320	50 655 990	26 938 441	21 596 220	700 103 777	1 345 396 416
	Nyamagabe	96 409 913	349 623 735	18 319 676	160 067 950	18 871 092	7 909 327	405 021 238	1 056 222 932
	Ruhango	167 254 859	268 031 410	25 212 280	13 943 093	10 318 009	20 892 544	526 495 446	1 032 147 641
	Muhanga	186 339 594	230 940 079	22 819 475	18 300 991	14 505 481	24 801 006	300 106 189	797 812 815
	Kamonyi	169 792 410	335 125 215	71 595 478	20 212 266	78 270 634	43 252 770	521 226 166	1 239 474 938
	Sub-total	**1 283 296 713**	**2 570 910 153**	**230 249 377**	**477 896 190**	**183 981 701**	**196 549 447**	**3 889 202 375**	**8 832 085 955**
West	Karongi	140 519 993	325 462 405	19 015 765	103 849 411	87 389 347	23 247 843	438 662 087	1 138 146 851
	Ngororero	129 400 864	318 367 286	38 305 805	34 698 246	44 875 636	23 703 358	258 912 156	848 263 350
	Nyabihu	116 070 712	424 037 271	2 093 970	571 824 259	56 722 231	283 297 724	346 623 874	1 800 670 041
	Rubavu	109 369 174	365 643 207	43 083 049	428 944 502	8 086 198	237 065 899	280 582 083	1 472 774 112
	Rutsiro	115 908 413	324 226 942	41 286 253	172 609 647	137 727 717	55 847 039	384 988 119	1 232 594 130
	Rusizi	140 506 613	342 262 115	6 221 344	211 637 855	45 919 261	68 637 056	667 845 773	1 483 030 015
	Nyamasheke	161 497 558	604 635 761	15 403 904	351 978 883	121 743 677	22 116 230	560 091 833	1 837 467 846
	Sub-total	**913 273 326**	**2 704 634 987**	**165 410 089**	**1 875 542 803**	**502 464 068**	**713 915 148**	**2 937 705 924**	**9 812 946 345**
North	Rulindo	146 553 440	424 506 347	45 508 399	50 889 321	14 867 320	79 421 881	329 893 671	1 091 640 380
	Gakenke	235 538 766	290 782 295	10 669 928	128 925 448	16 634 023	12 164 663	267 696 385	962 411 507
	Musanze	142 269 326	910 645 621	156 288 553	419 715 824	84 489 327	162 325 963	536 154 551	2 411 889 165
	Burera	115 762 451	961 819 017	71 725 349	347 095 545	109 587 575	84 483 002	680 542 123	2 371 015 063
	Gicumbi	138 374 840	407 845 220	56 931 802	43 986 354	20 221 553	23 164 299	474 758 961	1 165 283 028
	Sub-total	**778 498 824**	**2 995 598 501**	**341 124 031**	**990 612 492**	**245 799 798**	**361 559 808**	**2 289 045 690**	**8 002 239 143**
East	Bugesera	117 077 293	214 147 001	47 110 710	23 481 618	11 525 644	8 169 534	362 805 337	784 317 138
	Rwamagana	104 781 256	205 412 948	8 122 252	68 766 855	9 844 912	53 530 449	551 759 348	1 002 218 020
	Gatsibo	141 659 371	209 482 806	2 908 498	2 939 669	17 115 619	16 610 983	560 583 564	951 300 510
	Kayonza	165 704 381	354 516 774	25 828 824	13 431 859	7 254 453	15 593 230	544 858 191	1 127 187 713
	Kirehe	157 561 912	162 389 573	7 360 784	10 085 832	1 919 781	6 099 832	405 668 223	751 085 937
	Ngoma	184 768 616	265 277 057	4 997 107	37 666 980	19 116 507	205 339 901	483 611 197	1 200 777 366
	Nyagatare	353 736 543	245 257 409	37 794 705	106 808 641	21 366 810	187 272 461	1 252 263 130	2 204 499 700
	Sub-total	**1 225 289 372**	**1 656 483 569**	**134 122 881**	**263 181 457**	**88 143 726**	**492 616 390**	**4 161 548 990**	**8 021 386 383**
Rwanda		**4 337 831 800**	**10 235 807 578**	**878 561 885**	**3 637 054 428**	**1 050 156 179**	**1 817 825 400**	**13 898 871 806**	**35 856 109 077**

A 4.3.2a2. Agricultural households' expenditure (in RWF) (%) on agricultural inputs by province and district during Season 2008A

Province	**District**	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides	Agricultural manpower	Expenses in agricultural inputs Total
Kigali City	Nyarugenge	13.5%	29.1%	1.2%	0.3%	0.8%	8.8%	46.4%	100%
	Gasabo	12.6%	32.2%	0.7%	3.3%	3.7%	3.3%	44.2%	100%
	Kicukiro	7.2%	6.3%	0.1%	2.2%	0.6%	4.3%	79.4%	100%
	Sub-total	**11.6%**	**26.0%**	**0.6%**	**2.5%**	**2.5%**	**4.5%**	**52.3%**	**100%**
South	Nyanza	23.5%	22.6%	3.1%	0.7%	0.7%	3.3%	46.0%	100%
	Gisagara	13.4%	32.3%	1.3%	5.0%	1.0%	2.6%	44.3%	100%
	Nyaruguru	11.6%	31.4%	3.2%	13.6%	1.4%	1.1%	37.7%	100%
	Huye	9.0%	31.0%	0.5%	3.8%	2.0%	1.6%	52.0%	100%
	Nyamagabe	9.1%	33.1%	1.7%	15.2%	1.8%	0.7%	38.3%	100%
	Ruhango	16.2%	26.0%	2.4%	1.4%	1.0%	2.0%	51.0%	100%
	Muhanga	23.4%	28.9%	2.9%	2.3%	1.8%	3.1%	37.6%	100%
	Kamonyi	13.7%	27.0%	5.8%	1.6%	6.3%	3.5%	42.1%	100%
	Sub-total	**14.5%**	**29.1%**	**2.6%**	**5.4%**	**2.1%**	**2.2%**	**44.0%**	**100%**
West	Karongi	12.3%	28.6%	1.7%	9.1%	7.7%	2.0%	38.5%	100%
	Ngororero	15.3%	37.5%	4.5%	4.1%	5.3%	2.8%	30.5%	100%
	Nyabihu	6.4%	23.5%	0.1%	31.8%	3.2%	15.7%	19.2%	100%
	Rubavu	7.4%	24.8%	2.9%	29.1%	0.5%	16.1%	19.1%	100%
	Rutsiro	9.4%	26.3%	3.3%	14.0%	11.2%	4.5%	31.2%	100%
	Rusizi	9.5%	23.1%	0.4%	14.3%	3.1%	4.6%	45.0%	100%
	Nyamasheke	8.8%	32.9%	0.8%	19.2%	6.6%	1.2%	30.5%	100%
	Sub-total	**9.3%**	**27.6%**	**1.7%**	**19.1%**	**5.1%**	**7.3%**	**29.9%**	**100%**
North	Rulindo	13.4%	38.9%	4.2%	4.7%	1.4%	7.3%	30.2%	100%
	Gakenke	24.5%	30.2%	1.1%	13.4%	1.7%	1.3%	27.8%	100%
	Musanze	5.9%	37.8%	6.5%	17.4%	3.5%	6.7%	22.2%	100%
	Burera	4.9%	40.6%	3.0%	14.6%	4.6%	3.6%	28.7%	100%
	Gicumbi	11.9%	35.0%	4.9%	3.8%	1.7%	2.0%	40.7%	100%
	Sub-total	**9.7%**	**37.4%**	**4.3%**	**12.4%**	**3.1%**	**4.5%**	**28.6%**	**100%**
East	Bugesera	14.9%	27.3%	6.0%	3.0%	1.5%	1.0%	46.3%	100%
	Rwamagana	10.5%	20.5%	0.8%	6.9%	1.0%	5.3%	55.1%	100%
	Gatsibo	14.9%	22.0%	0.3%	0.3%	1.8%	1.7%	58.9%	100%
	Kayonza	14.7%	31.5%	2.3%	1.2%	0.6%	1.4%	48.3%	100%
	Kirehe	21.0%	21.6%	1.0%	1.3%	0.3%	0.8%	54.0%	100%
	Ngoma	15.4%	22.1%	0.4%	3.1%	1.6%	17.1%	40.3%	100%
	Nyagatare	16.0%	11.1%	1.7%	4.8%	1.0%	8.5%	56.8%	100%
	Sub-total	**15.3%**	**20.7%**	**1.7%**	**3.3%**	**1.1%**	**6.1%**	**51.9%**	**100%**
Rwanda		**12.1%**	**28.5%**	**2.5%**	**10.1%**	**2.9%**	**5.1%**	**38.8%**	**100%**

A 4.3.2b1. Agricultural households' expenditure (in RWF) on agricultural inputs by province and district during Season 2008B

Province	District	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides	Agricultural manpower	Expenses in agricultural inputs Total
Kigali City	Nyarugenge	4 145 673	16 785 851	3 085 211	11 465 191	10 945 489	10 938 466	39 883 374	97 249 255
	Gasabo	37 397 621	58 108 518	54 953 957	73 732 743	59 622 577	66 079 083	216 392 891	566 287 389
	Kicukiro	36 022 229	7 863 177	35 427 007	17 889 523	12 685 397	16 089 421	183 817 486	309 794 240
	Sub-total	**77 565 523**	**82 757 546**	**93 466 174**	**103 087 457**	**83 253 463**	**93 106 970**	**440 093 750**	**973 330 884**
South	Nyanza	76 299 358	92 577 890	48 476 613	160 488 104	71 347 828	42 705 468	453 615 615	945 510 876
	Gisagara	149 562 741	201 124 675	89 871 212	1 202 057 130	202 638 668	101 443 809	551 253 381	2 497 951 616
	Nyaruguru	95 679 987	174 166 707	254 385 553	740 789 824	125 901 727	359 146 408	355 465 410	2 105 535 615
	Huye	112 269 296	195 624 263	30 158 773	367 013 198	3 786 826	405 100 342	379 840 043	1 493 792 741
	Nyamagabe	102 579 256	140 740 997	4 007 746	914 289 179	9 724 448	193 841 793	411 495 458	1 776 678 878
	Ruhango	106 532 118	194 495 164	525 676	263 535 184	2 436 762	85 469 851	398 469 174	1 051 463 929
	Muhanga	69 632 731	198 602 409	5 559 237	3 608 886	1 857 269	223 202 881	281 354 122	783 817 534
	Kamonyi	110 248 437	518 572 388	476 319	1 094 917	1 587 763	157 186 201	438 288 577	1 227 454 601
	Sub-total	**822 803 925**	**1 715 904 492**	**433 461 128**	**3 652 876 421**	**419 281 291**	**1 568 096 753**	**3 269 781 779**	**11 882 205 790**
West	Karongi	79 807 554	563 628 907	1 326 761	24 927 335	6 677 800	135 788 310	524 661 567	1 336 818 235
	Ngororero	112 089 926	444 615 087	5 191 022	1 870 533	831 824	488 442 777	300 008 557	1 353 049 728
	Nyabihu	84 116 798	414 261 086	0	259 080 002	115 979	161 495 020	388 113 387	1 307 182 272
	Rubavu	83 569 550	219 044 649	519 914	218 378 116	3 058 091	96 925 164	325 607 252	947 102 736
	Rutsiro	82 375 014	250 508 178	90 541	7 247 782	3 693 641	13 703 580	389 058 395	746 677 131
	Rusizi	95 200 131	289 818 663	2 880 488	63 307 352	21 114 001	15 563 807	731 997 731	1 219 882 173
	Nyamasheke	107 527 818	1 105 498 741	8 012 157	16 760 474	7 366 210	1 215 960	333 973 644	1 580 355 004
	Sub-total	**644 686 791**	**3 287 375 311**	**18 020 884**	**591 571 595**	**42 857 547**	**913 134 618**	**2 993 420 534**	**8 491 067 280**
North	Rulindo	50 350 323	535 711 556	3 149 994	10 368 032	7 895 243	5 663 642	312 805 809	925 944 599
	Gakenke	80 214 468	543 367 076	4 256 470	13 260 595	7 381 130	6 635 104	346 789 002	1 001 903 845
	Musanze	116 103 945	684 219 096	29 902 162	250 152 690	24 672 453	93 790 315	464 272 199	1 663 112 859
	Burera	69 450 018	413 070 871	15 029 638	76 459 423	6 703 222	23 658 889	605 452 407	1 209 824 469
	Gicumbi	102 346 454	235 775 179	7 496 177	8 822 955	8 990 159	7 618 198	511 672 385	882 721 507
	Sub-total	**418 465 208**	**2 412 143 777**	**59 834 441**	**359 063 696**	**55 642 206**	**137 366 147**	**2 240 991 802**	**5 683 507 279**
East	Bugesera	139 540 938	196 504 455	532 006	0	0	173 762	426 313 041	763 064 200
	Rwamagana	108 487 631	176 805 082	363 918	13 227 887	0	12 926 690	517 350 927	829 162 135
	Gatsibo	101 722 293	31 687 061	199 791	327 739	1 302 759	9 942 138	563 065 635	708 247 415
	Kayonza	177 985 596	24 795 788	105 178	1 589 702	736 243	7 317 535	384 734 154	597 264 195
	Kirehe	189 574 897	25 897 778	476 367	1 075 029	755 414	2 619 497	524 026 289	744 425 272
	Ngoma	136 592 308	38 268 904	0	1 365 177	3 318 597	4 321 663	463 264 033	647 130 682
	Nyagatare	386 249 417	27 871 327	0	1 146 733	647 346	179 324 642	1 287 426 196	1 882 665 660
	Sub-total	**1 240 153 079**	**521 830 395**	**1 677 259**	**18 732 268**	**6 760 358**	**216 625 928**	**4 166 180 274**	**6 171 959 560**
Rwanda		**3 203 674 527**	**8 020 011 520**	**606 459 887**	**4 725 331 438**	**607 794 865**	**2 928 330 416**	**13 110 468 140**	**33 202 070 793**

A 4.3.2b2. Agricultural households' expenditure (%) on agricultural inputs by province and district during Season 2008B

Province	District	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides	Agricultural manpower	Expenses in agricultural inputs Total
Kigali City	Nyarugenge	4.3%	17.3%	3.2%	11.8%	11.3%	11.2%	41.0%	100%
	Gasabo	6.6%	10.3%	9.7%	13.0%	10.5%	11.7%	38.2%	100%
	Kicukiro	11.6%	2.5%	11.4%	5.8%	4.1%	5.2%	59.3%	100%
	Sub-total	**8.0%**	**8.5%**	**9.6%**	**10.6%**	**8.6%**	**9.6%**	**45.2%**	**100%**
South	Nyanza	8.1%	9.8%	5.1%	17.0%	7.5%	4.5%	48.0%	100%
	Gisagara	6.0%	8.1%	3.6%	48.1%	8.1%	4.1%	22.1%	100%
	Nyaruguru	4.5%	8.3%	12.1%	35.2%	6.0%	17.1%	16.9%	100%
	Huye	7.5%	13.1%	2.0%	24.6%	0.3%	27.1%	25.4%	100%
	Nyamagabe	5.8%	7.9%	0.2%	51.5%	0.5%	10.9%	23.2%	100%
	Ruhango	10.1%	18.5%	0.0%	25.1%	0.2%	8.1%	37.9%	100%
	Muhanga	8.9%	25.3%	0.7%	0.5%	0.2%	28.5%	35.9%	100%
	Kamonyi	9.0%	42.2%	0.0%	0.1%	0.1%	12.8%	35.7%	100%
	Sub-total	**6.9%**	**14.4%**	**3.6%**	**30.7%**	**3.5%**	**13.2%**	**27.5%**	**100%**
West	Karongi	6.0%	42.2%	0.1%	1.9%	0.5%	10.2%	39.2%	100%
	Ngororero	8.3%	32.9%	0.4%	0.1%	0.1%	36.1%	22.2%	100%
	Nyabihu	6.4%	31.7%	0.0%	19.8%	0.0%	12.4%	29.7%	100%
	Rubavu	8.8%	23.1%	0.1%	23.1%	0.3%	10.2%	34.4%	100%
	Rutsiro	11.0%	33.5%	0.0%	1.0%	0.5%	1.8%	52.1%	100%
	Rusizi	7.8%	23.8%	0.2%	5.2%	1.7%	1.3%	60.0%	100%
	Nyamasheke	6.8%	70.0%	0.5%	1.1%	0.5%	0.1%	21.1%	100%
	Sub-total	**7.6%**	**38.7%**	**0.2%**	**7.0%**	**0.5%**	**10.8%**	**35.3%**	**100%**
North	Rulindo	5.4%	57.9%	0.3%	1.1%	0.9%	0.6%	33.8%	100%
	Gakenke	8.0%	54.2%	0.4%	1.3%	0.7%	0.7%	34.6%	100%
	Musanze	7.0%	41.1%	1.8%	15.0%	1.5%	5.6%	27.9%	100%
	Burera	5.7%	34.1%	1.2%	6.3%	0.6%	2.0%	50.0%	100%
	Gicumbi	11.6%	26.7%	0.8%	1.0%	1.0%	0.9%	58.0%	100%
	Sub-total	**7.4%**	**42.4%**	**1.1%**	**6.3%**	**1.0%**	**2.4%**	**39.4%**	**100%**
East	Bugesera	18.3%	25.8%	0.1%	0.0%	0.0%	0.0%	55.9%	100%
	Rwamagana	13.1%	21.3%	0.0%	1.6%	0.0%	1.6%	62.4%	100%
	Gatsibo	14.4%	4.5%	0.0%	0.0%	0.2%	1.4%	79.5%	100%
	Kayonza	29.8%	4.2%	0.0%	0.3%	0.1%	1.2%	64.4%	100%
	Kirehe	25.5%	3.5%	0.1%	0.1%	0.1%	0.4%	70.4%	100%
	Ngoma	21.1%	5.9%	0.0%	0.2%	0.5%	0.7%	71.6%	100%
	Nyagatare	20.5%	1.5%	0.0%	0.1%	0.0%	9.5%	68.4%	100%
	Sub-total	**20.1%**	**8.5%**	**0.0%**	**0.3%**	**0.1%**	**3.5%**	**67.5%**	**100%**
Rwanda		**9.6%**	**24.2%**	**1.8%**	**14.2%**	**1.8%**	**8.8%**	**39.5%**	**100%**

A 4.3.2c1. Agricultural households' expenditure (in RWF) on agricultural inputs by province and district during the whole agricultural Year 2008

Province	**District**	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides	Agricultural manpower	**Expenses in agricultural inputs Total**
Kigali City	Nyarugenge	31 710 571	76 298 424	5 499 615	12 160 065	12 587 066	28 869 426	134 812 615	301 937 783
	Gasabo	128 547 611	290 324 913	59 835 134	97 225 731	86 101 231	90 174 563	535 253 504	1 287 462 685
	Kicukiro	54 780 906	24 314 578	35 786 933	23 523 148	14 332 053	27 247 589	391 396 459	571 381 666
	Sub-total	**215 039 088**	**390 937 915**	**101 121 681**	**132 908 943**	**113 020 350**	**146 291 578**	**1 061 462 577**	**2 160 782 134**
South	Nyanza	333 241 198	338 890 967	82 781 307	168 577 686	78 809 959	78 436 495	956 034 133	2 036 771 745
	Gisagara	308 264 416	583 781 778	105 554 319	1 261 072 711	214 957 261	132 221 596	1 076 081 301	3 681 933 381
	Nyaruguru	221 974 493	515 121 488	289 424 900	888 400 561	141 199 047	370 735 175	764 468 530	3 191 324 194
	Huye	233 831 212	612 889 015	37 434 093	417 669 188	30 725 267	426 696 562	1 079 943 820	2 839 189 157
	Nyamagabe	198 989 169	490 364 732	22 327 422	1 074 357 129	28 595 540	201 751 120	816 516 696	2 832 901 810
	Ruhango	273 786 977	462 526 574	25 737 956	277 478 277	12 754 771	106 362 395	924 964 620	2 083 611 570
	Muhanga	255 972 325	429 542 488	28 378 712	21 909 877	16 362 750	248 003 887	581 460 311	1 581 630 349
	Kamonyi	280 040 847	853 697 603	72 071 797	21 307 183	79 858 397	200 438 971	959 514 743	2 466 929 539
	Sub-total	**2 106 100 638**	**4 286 814 645**	**663 710 505**	**4 130 772 611**	**603 262 992**	**1 764 646 200**	**7 158 984 154**	**20 714 291 745**
West	Karongi	220 327 547	889 091 312	20 342 526	128 776 746	94 067 147	159 036 153	963 323 654	2 474 965 086
	Ngororero	241 490 790	762 982 373	43 496 827	36 568 779	45 707 460	512 146 135	558 920 713	2 201 313 078
	Nyabihu	200 187 510	838 298 357	2 093 970	830 904 261	56 838 210	444 792 744	734 737 261	3 107 852 313
	Rubavu	192 938 724	584 687 856	43 602 963	647 322 618	11 144 289	333 991 063	606 189 335	2 419 876 848
	Rutsiro	198 283 427	574 735 120	41 376 794	179 857 429	141 421 358	69 550 619	774 046 514	1 979 271 261
	Rusizi	235 706 744	632 080 778	9 101 832	274 945 207	67 033 262	84 200 863	1 399 843 504	2 702 912 188
	Nyamasheke	269 025 376	1 710 134 502	23 416 061	368 739 357	129 109 887	23 332 190	894 065 477	3 417 822 850
	Sub-total	**1 557 960 117**	**5 992 010 298**	**183 430 973**	**2 467 114 398**	**545 321 615**	**1 627 049 766**	**5 931 126 458**	**18 304 013 625**
North	Rulindo	196 903 763	960 217 903	48 658 393	61 257 353	22 762 563	85 085 523	642 699 480	2 017 584 979
	Gakenke	315 753 234	834 149 371	14 926 398	142 186 043	24 015 153	18 799 767	614 485 387	1 964 315 352
	Musanze	258 373 271	1 594 864 717	186 190 715	669 868 514	109 161 780	256 116 278	1 000 426 750	4 075 002 024
	Burera	185 212 469	1 374 889 888	86 754 987	423 554 968	116 290 797	108 141 891	1 285 994 530	3 580 839 532
	Gicumbi	240 721 294	643 620 399	64 427 979	52 809 309	29 211 712	30 782 497	986 431 346	2 048 004 535
	Sub-total	**1 196 964 032**	**5 407 742 278**	**400 958 472**	**1 349 676 188**	**301 442 004**	**498 925 955**	**4 530 037 492**	**13 685 746 422**
East	Bugesera	256 618 231	410 651 456	47 642 716	23 481 618	11 525 644	8 343 296	789 118 378	1 547 381 338
	Rwamagana	213 268 887	382 218 030	8 486 170	81 994 742	9 844 912	66 457 139	1 069 110 275	1 831 380 155
	Gatsibo	243 381 664	241 169 867	3 108 289	3 267 408	18 418 378	26 553 121	1 123 649 199	1 659 547 925
	Kayonza	343 689 977	379 312 562	25 934 002	15 021 561	7 990 696	22 910 765	929 592 345	1 724 451 908
	Kirehe	347 136 809	188 287 351	7 837 151	11 160 861	2 675 195	8 719 329	929 694 512	1 495 511 209
	Ngoma	321 360 924	303 545 961	4 997 107	39 032 157	22 435 104	209 661 564	946 875 230	1 847 908 048
	Nyagatare	739 985 960	273 128 736	37 794 705	107 955 374	22 014 156	366 597 103	2 539 689 326	4 087 165 360
	Sub-total	**2 465 442 451**	**2 178 313 964**	**135 800 140**	**281 913 725**	**94 904 084**	**709 242 318**	**8 327 729 264**	**14 193 345 943**
Rwanda		**7 541 506 327**	**18 255 819 098**	**1 485 021 772**	**8 362 385 866**	**1 657 951 044**	**4 746 155 816**	**27 009 339 946**	**69 058 179 870**

A 4.3.2c2. Agricultural households' expenditure (%) on agricultural inputs by province and district during the whole agricultural Year 2008

Province	**District**	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides	Agricultural manpower	**Expenses in agricultural inputs Total**
Kigali City	Nyarugenge	10.5%	25.3%	1.8%	4.0%	4.2%	9.6%	44.6%	100%
	Gasabo	10.0%	22.6%	4.6%	7.6%	6.7%	7.0%	41.6%	100%
	Kicukiro	9.6%	4.3%	6.3%	4.1%	2.5%	4.8%	68.5%	100%
	Sub-total	**10.0%**	**18.1%**	**4.7%**	**6.2%**	**5.2%**	**6.8%**	**49.1%**	**100%**
South	Nyanza	16.4%	16.6%	4.1%	8.3%	3.9%	3.9%	46.9%	100%
	Gisagara	8.4%	15.9%	2.9%	34.3%	5.8%	3.6%	29.2%	100%
	Nyaruguru	7.0%	16.1%	9.1%	27.8%	4.4%	11.6%	24.0%	100%
	Huye	8.2%	21.6%	1.3%	14.7%	1.1%	15.0%	38.0%	100%
	Nyamagabe	7.0%	17.3%	0.8%	37.9%	1.0%	7.1%	28.8%	100%
	Ruhango	13.1%	22.2%	1.2%	13.3%	0.6%	5.1%	44.4%	100%
	Muhanga	16.2%	27.2%	1.8%	1.4%	1.0%	15.7%	36.8%	100%
	Kamonyi	11.4%	34.6%	2.9%	0.9%	3.2%	8.1%	38.9%	100%
	Sub-total	**10.2%**	**20.7%**	**3.2%**	**19.9%**	**2.9%**	**8.5%**	**34.6%**	**100%**
West	Karongi	8.9%	35.9%	0.8%	5.2%	3.8%	6.4%	38.9%	100%
	Ngororero	11.0%	34.7%	2.0%	1.7%	2.1%	23.3%	25.4%	100%
	Nyabihu	6.4%	27.0%	0.1%	26.7%	1.8%	14.3%	23.6%	100%
	Rubavu	8.0%	24.2%	1.8%	26.8%	0.5%	13.8%	25.1%	100%
	Rutsiro	10.0%	29.0%	2.1%	9.1%	7.1%	3.5%	39.1%	100%
	Rusizi	8.7%	23.4%	0.3%	10.2%	2.5%	3.1%	51.8%	100%
	Nyamasheke	7.9%	50.0%	0.7%	10.8%	3.8%	0.7%	26.2%	100%
	Sub-total	**8.5%**	**32.7%**	**1.0%**	**13.5%**	**3.0%**	**8.9%**	**32.4%**	**100%**
North	Rulindo	9.8%	47.6%	2.4%	3.0%	1.1%	4.2%	31.9%	100%
	Gakenke	16.1%	42.5%	0.8%	7.2%	1.2%	1.0%	31.3%	100%
	Musanze	6.3%	39.1%	4.6%	16.4%	2.7%	6.3%	24.6%	100%
	Burera	5.2%	38.4%	2.4%	11.8%	3.2%	3.0%	35.9%	100%
	Gicumbi	11.8%	31.4%	3.1%	2.6%	1.4%	1.5%	48.2%	100%
	Sub-total	**8.7%**	**39.5%**	**2.9%**	**9.9%**	**2.2%**	**3.6%**	**33.1%**	**100%**
East	Bugesera	16.6%	26.5%	3.1%	1.5%	0.7%	0.5%	51.0%	100%
	Rwamagana	11.6%	20.9%	0.5%	4.5%	0.5%	3.6%	58.4%	100%
	Gatsibo	14.7%	14.5%	0.2%	0.2%	1.1%	1.6%	67.7%	100%
	Kayonza	19.9%	22.0%	1.5%	0.9%	0.5%	1.3%	53.9%	100%
	Kirehe	23.2%	12.6%	0.5%	0.7%	0.2%	0.6%	62.2%	100%
	Ngoma	17.4%	16.4%	0.3%	2.1%	1.2%	11.3%	51.2%	100%
	Nyagatare	18.1%	6.7%	0.9%	2.6%	0.5%	9.0%	62.1%	100%
	Sub-total	**17.4%**	**15.3%**	**1.0%**	**2.0%**	**0.7%**	**5.0%**	**58.7%**	**100%**
Rwanda		**10.9%**	**26.4%**	**2.2%**	**12.1%**	**2.4%**	**6.9%**	**39.1%**	**100%**

A 4.3.3a1. Number of households with agricultural inputs purchased by province and district during Season 2008A

Province	District	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides & fungicides	Farm employment	Households Total
Kigali City	Nyarugenge	5 635	7 953	1 772	571	410	3 514	6 190	9 313
	Gasabo	21 688	24 948	2 635	4 017	3 069	6 689	14 421	31 313
	Kicukiro	4 115	4 132	171	418	282	1 069	6 551	9 747
	Sub-total	**31 438**	**37 032**	**4 579**	**5 006**	**3 760**	**11 273**	**27 162**	**50 373**
South	Nyanza	40 968	34 063	7 043	2 054	1 658	7 756	23 167	46 918
	Gisagara	52 898	60 470	9 430	7 901	3 685	15 659	34 754	67 784
	Nyaruguru	41 845	46 860	8 571	14 341	5 769	11 848	28 093	54 097
	Huye	43 071	49 877	4 059	9 127	6 530	9 218	31 200	55 016
	Nyamagabe	43 939	52 693	9 370	14 570	5 792	7 108	25 536	65 575
	Ruhango	44 779	46 174	10 390	1 067	2 800	11 165	29 945	55 712
	Muhanga	48 965	40 276	13 758	4 169	2 252	11 290	25 104	58 200
	Kamonyi	44 309	49 577	15 085	3 703	6 426	13 582	29 270	58 410
	Sub-total	**360 772**	**379 991**	**77 706**	**56 933**	**34 912**	**87 627**	**227 070**	**461 711**
West	Karongi	46 466	48 792	16 047	10 149	7 708	15 616	33 613	61 059
	Ngororero	48 122	51 593	4 599	5 589	6 271	13 013	27 864	67 049
	Nyabihu	35 555	43 550	853	22 280	5 253	28 011	32 374	56 570
	Rubavu	26 757	32 071	4 201	21 337	884	24 662	29 982	50 858
	Rutsiro	39 239	46 631	4 109	13 568	15 081	19 680	29 840	60 406
	Rusizi	39 744	53 091	4 463	14 389	8 149	13 817	36 403	63 972
	Nyamasheke	42 397	62 685	5 139	20 593	15 094	6 867	34 860	76 597
	Sub-total	**278 279**	**338 414**	**39 411**	**107 904**	**58 441**	**121 667**	**224 937**	**436 512**
North	Rulindo	37 581	43 023	9 177	10 547	5 885	16 756	26 869	55 907
	Gakenke	57 971	51 030	8 010	12 688	5 106	8 647	34 275	72 521
	Musanze	39 895	49 708	6 908	20 624	11 283	24 450	43 428	64 256
	Burera	38 533	50 065	4 911	13 415	13 945	21 374	37 634	65 281
	Gicumbi	39 529	53 604	11 484	4 536	4 053	6 943	30 707	69 285
	Sub-total	**213 509**	**247 429**	**40 489**	**61 810**	**40 273**	**78 171**	**172 914**	**327 250**
East	Bugesera	33 562	36 804	8 305	3 724	2 165	4 138	30 544	57 109
	Rwamagana	24 742	32 552	4 762	7 998	1 565	12 271	28 875	49 645
	Gatsibo	39 004	40 678	1 849	878	3 716	6 880	32 829	70 119
	Kayonza	34 518	41 083	7 466	2 777	2 051	5 967	28 439	51 387
	Kirehe	38 676	35 833	3 351	958	460	2 539	30 374	55 699
	Ngoma	39 621	38 105	4 093	4 299	1 946	10 972	26 575	57 004
	Nyagatare	46 548	31 081	4 031	3 242	2 187	10 283	40 972	57 879
	Sub-total	**256 670**	**256 136**	**33 858**	**23 876**	**14 090**	**53 050**	**218 609**	**398 841**
Rwanda		**1 140 669**	**1 259 002**	**196 043**	**255 528**	**151 476**	**351 788**	**870 691**	**1 674 687**

A 4.3.3a2. Households (%) with agricultural inputs purchased by province and district during Season 2008A

Province	District	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides & fungicides	Farm employment
Kigali City	Nyarugenge	60.5%	85.4%	19.0%	6.1%	4.4%	37.7%	66.5%
	Gasabo	69.3%	79.7%	8.4%	12.8%	9.8%	21.4%	46.1%
	Kicukiro	42.2%	42.4%	1.8%	4.3%	2.9%	11.0%	67.2%
	Sub-total	**62.4%**	**73.5%**	**9.1%**	**9.9%**	**7.5%**	**22.4%**	**53.9%**
South	Nyanza	87.3%	72.6%	15.0%	4.4%	3.5%	16.5%	49.4%
	Gisagara	78.0%	89.2%	13.9%	11.7%	5.4%	23.1%	51.3%
	Nyaruguru	77.4%	86.6%	15.8%	26.5%	10.7%	21.9%	51.9%
	Huye	78.3%	90.7%	7.4%	16.6%	11.9%	16.8%	56.7%
	Nyamagabe	67.0%	80.4%	14.3%	22.2%	8.8%	10.8%	38.9%
	Ruhango	80.4%	82.9%	18.6%	1.9%	5.0%	20.0%	53.7%
	Muhanga	84.1%	69.2%	23.6%	7.2%	3.9%	19.4%	43.1%
	Kamonyi	75.9%	84.9%	25.8%	6.3%	11.0%	23.3%	50.1%
	Sub-total	**78.1%**	**82.3%**	**16.8%**	**12.3%**	**7.6%**	**19.0%**	**49.2%**
West	Karongi	76.1%	79.9%	26.3%	16.6%	12.6%	25.6%	55.1%
	Ngororero	71.8%	76.9%	6.9%	8.3%	9.4%	19.4%	41.6%
	Nyabihu	62.9%	77.0%	1.5%	39.4%	9.3%	49.5%	57.2%
	Rubavu	52.6%	63.1%	8.3%	42.0%	1.7%	48.5%	59.0%
	Rutsiro	65.0%	77.2%	6.8%	22.5%	25.0%	32.6%	49.4%
	Rusizi	62.1%	83.0%	7.0%	22.5%	12.7%	21.6%	56.9%
	Nyamasheke	55.4%	81.8%	6.7%	26.9%	19.7%	9.0%	45.5%
	Sub-total	**63.8%**	**77.5%**	**9.0%**	**24.7%**	**13.4%**	**27.9%**	**51.5%**
North	Rulindo	67.2%	77.0%	16.4%	18.9%	10.5%	30.0%	48.1%
	Gakenke	79.9%	70.4%	11.0%	17.5%	7.0%	11.9%	47.3%
	Musanze	62.1%	77.4%	10.8%	32.1%	17.6%	38.1%	67.6%
	Burera	59.0%	76.7%	7.5%	20.5%	21.4%	32.7%	57.6%
	Gicumbi	57.1%	77.4%	16.6%	6.5%	5.8%	10.0%	44.3%
	Sub-total	**65.2%**	**75.6%**	**12.4%**	**18.9%**	**12.3%**	**23.9%**	**52.8%**
East	Bugesera	58.8%	64.4%	14.5%	6.5%	3.8%	7.2%	53.5%
	Rwamagana	49.8%	65.6%	9.6%	16.1%	3.2%	24.7%	58.2%
	Gatsibo	55.6%	58.0%	2.6%	1.3%	5.3%	9.8%	46.8%
	Kayonza	67.2%	79.9%	14.5%	5.4%	4.0%	11.6%	55.3%
	Kirehe	69.4%	64.3%	6.0%	1.7%	0.8%	4.6%	54.5%
	Ngoma	69.5%	66.8%	7.2%	7.5%	3.4%	19.2%	46.6%
	Nyagatare	80.4%	53.7%	7.0%	5.6%	3.8%	17.8%	70.8%
	Sub-total	**64.4%**	**64.2%**	**8.5%**	**6.0%**	**3.5%**	**13.3%**	**54.8%**
Rwanda		**68.1%**	**75.2%**	**11.7%**	**15.3%**	**9.0%**	**21.0%**	**52.0%**

A 4.3.3b1. Number of households with agricultural inputs purchased by province and district during Season 2008B

Province	District	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides	Agricultural manpower	Households Total
Kigali City	Nyarugenge	1 313	3 513	2 695	2 068	2 142	2 695	2 818	9 313
	Gasabo	9 406	19 626	15 532	17 192	13 998	17 485	10 379	31 313
	Kicukiro	3 265	3 520	3 092	3 537	2 430	3 868	5 877	9 747
	Sub-total	**13 984**	**26 659**	**21 319**	**22 798**	**18 570**	**24 049**	**19 073**	**50 373**
South	Nyanza	24 237	28 860	23 627	23 701	16 165	24 244	27 475	46 918
	Gisagara	36 272	43 759	32 450	37 008	28 950	39 216	33 574	67 784
	Nyaruguru	31 466	41 460	30 548	34 638	21 928	33 151	22 698	54 097
	Huye	37 019	43 600	6 396	39 296	490	38 528	28 102	55 016
	Nyamagabe	36 226	46 699	1 253	39 914	1 851	36 306	28 799	65 575
	Ruhango	29 023	36 868	406	28 059	1 268	31 833	27 081	55 712
	Muhanga	29 456	35 915	2 433	1 534	1 265	33 549	24 323	58 200
	Kamonyi	30 142	34 897	539	1 047	514	31 499	26 889	58 410
	Sub-total	**253 843**	**312 059**	**97 651**	**205 196**	**72 431**	**268 326**	**218 941**	**461 711**
West	Karongi	35 186	45 027	2 752	2 238	1 426	36 822	32 956	61 059
	Ngororero	46 135	55 952	2 059	548	615	31 396	33 921	67 049
	Nyabihu	32 649	47 707	0	9 007	166	10 656	32 211	56 570
	Rubavu	23 711	35 645	344	9 779	888	10 868	31 419	50 858
	Rutsiro	32 544	43 218	201	1 635	1 079	6 049	29 432	60 406
	Rusizi	32 220	41 166	1 978	3 485	1 396	3 828	35 121	63 972
	Nyamasheke	36 475	50 801	1 018	3 646	1 954	1 012	29 863	76 597
	Sub-total	**238 921**	**319 517**	**8 353**	**30 338**	**7 523**	**100 632**	**224 924**	**436 512**
North	Rulindo	22 689	33 428	2 586	1 749	790	3 231	21 833	55 907
	Gakenke	37 686	54 416	4 264	5 128	2 917	5 802	42 176	72 521
	Musanze	32 527	52 329	2 997	9 911	4 186	15 406	40 224	64 256
	Burera	27 843	47 861	1 009	4 775	2 030	7 292	38 354	65 281
	Gicumbi	31 602	47 190	2 219	705	2 437	1 981	29 851	69 285
	Sub-total	**152 347**	**235 223**	**13 076**	**22 268**	**12 361**	**33 712**	**172 439**	**327 250**
East	Bugesera	30 507	38 845	288	0	0	174	25 882	57 109
	Rwamagana	22 200	27 685	820	1 647	0	2 823	29 056	49 645
	Gatsibo	29 178	8 795	166	156	344	1 529	27 311	70 119
	Kayonza	29 631	6 297	421	264	421	1 661	22 809	51 387
	Kirehe	35 409	5 603	795	286	466	2 178	31 418	55 699
	Ngoma	27 099	11 517	0	321	417	2 848	28 708	57 004
	Nyagatare	34 443	5 363	0	171	129	2 425	36 070	57 879
	Sub-total	**208 468**	**104 105**	**2 489**	**2 844**	**1 777**	**13 638**	**201 255**	**398 841**
Rwanda		**867 563**	**997 563**	**142 888**	**283 444**	**112 661**	**440 357**	**836 632**	**1 674 687**

A 4.3.3b2. Households (%) with agricultural inputs purchased by province and district during Season 2008B

Province	District	Agricultural equipments	Traditional seeds	Improved seeds	Chemical fertilizers	Organic fertilizers	Pesticides	Agricultural wages
Kigali City	Nyarugenge	14.1%	37.7%	28.9%	22.2%	23.0%	28.9%	30.3%
	Gasabo	30.0%	62.7%	49.6%	54.9%	44.7%	55.8%	33.1%
	Kicukiro	33.5%	36.1%	31.7%	36.3%	24.9%	39.7%	60.3%
	Sub-total	**27.8%**	**52.9%**	**42.3%**	**45.3%**	**36.9%**	**47.7%**	**37.9%**
South	Nyanza	51.7%	61.5%	50.4%	50.5%	34.5%	51.7%	58.6%
	Gisagara	53.5%	64.6%	47.9%	54.6%	42.7%	57.9%	49.5%
	Nyaruguru	58.2%	76.6%	56.5%	64.0%	40.5%	61.3%	42.0%
	Huye	67.3%	79.2%	11.6%	71.4%	0.9%	70.0%	51.1%
	Nyamagabe	55.2%	71.2%	1.9%	60.9%	2.8%	55.4%	43.9%
	Ruhango	52.1%	66.2%	0.7%	50.4%	2.3%	57.1%	48.6%
	Muhanga	50.6%	61.7%	4.2%	2.6%	2.2%	57.6%	41.8%
	Kamonyi	51.6%	59.7%	0.9%	1.8%	0.9%	53.9%	46.0%
	Sub-total	**55.0%**	**67.6%**	**21.1%**	**44.4%**	**15.7%**	**58.1%**	**47.4%**
West	Karongi	57.6%	73.7%	4.5%	3.7%	2.3%	60.3%	54.0%
	Ngororero	68.8%	83.4%	3.1%	0.8%	0.9%	46.8%	50.6%
	Nyabihu	57.7%	84.3%	0.0%	15.9%	0.3%	18.8%	56.9%
	Rubavu	46.6%	70.1%	0.7%	19.2%	1.7%	21.4%	61.8%
	Rutsiro	53.9%	71.5%	0.3%	2.7%	1.8%	10.0%	48.7%
	Rusizi	50.4%	64.4%	3.1%	5.4%	2.2%	6.0%	54.9%
	Nyamasheke	47.6%	66.3%	1.3%	4.8%	2.6%	1.3%	39.0%
	Sub-total	**54.7%**	**73.2%**	**1.9%**	**7.0%**	**1.7%**	**23.1%**	**51.5%**
North	Rulindo	40.6%	59.8%	4.6%	3.1%	1.4%	5.8%	39.1%
	Gakenke	52.0%	75.0%	5.9%	7.1%	4.0%	8.0%	58.2%
	Musanze	50.6%	81.4%	4.7%	15.4%	6.5%	24.0%	62.6%
	Burera	42.7%	73.3%	1.5%	7.3%	3.1%	11.2%	58.8%
	Gicumbi	45.6%	68.1%	3.2%	1.0%	3.5%	2.9%	43.1%
	Sub-total	**46.6%**	**71.9%**	**4.0%**	**6.8%**	**3.8%**	**10.3%**	**52.7%**
East	Bugesera	53.4%	68.0%	0.5%	0.0%	0.0%	0.3%	45.3%
	Rwamagana	44.7%	55.8%	1.7%	3.3%	0.0%	5.7%	58.5%
	Gatsibo	41.6%	12.5%	0.2%	0.2%	0.5%	2.2%	38.9%
	Kayonza	57.7%	12.3%	0.8%	0.5%	0.8%	3.2%	44.4%
	Kirehe	63.6%	10.1%	1.4%	0.5%	0.8%	3.9%	56.4%
	Ngoma	47.5%	20.2%	0.0%	0.6%	0.7%	5.0%	50.4%
	Nyagatare	59.5%	9.3%	0.0%	0.3%	0.2%	4.2%	62.3%
	Sub-total	**52.3%**	**26.1%**	**0.6%**	**0.7%**	**0.4%**	**3.4%**	**50.5%**
Rwanda		**51.8%**	**59.6%**	**8.5%**	**16.9%**	**6.7%**	**26.3%**	**50.0%**

A 4.3.4a1. Agricultural households' expenditure (in RWF) on agricultural equipments by province and district during the Season 2008A

Province	District	Hoe	Spring hoe	Three pronged hoe	Pick	Wheelbarrow	Shovel	Sickle	Machete	Game bag	Can/jerry	Radio
Kigali City	Nyarugenge	6 030 572	1 835 585	6 209 410	292 092	0	0	0	760 663	202 692	846 018	7 024 390
	Gasabo	26 403 209	717 367	19 516 507	2 870 087	2 898 298	1 528 962	213 484	2 912 902	3 549 253	3 245 411	6 367 310
	Kicukiro	3 652 772	17 139	1 765 395	0	2 607 389	417 182	29 290	370 551	136 898	342 787	4 577 411
	Sub-total	**36 086 553**	**2 570 092**	**27 491 312**	**3 162 179**	**5 505 687**	**1 946 144**	**242 773**	**4 044 116**	**3 888 843**	**4 434 216**	**17 969 110**
South	Nyanza	123 015 276	1 670 519	756 077	2 075 526	2 597 625	1 890 773	754 156	3 560 673	6 392 977	3 851 488	8 977 961
	Gisagara	74 676 473	0	0	678 573	0	481 250	1 401 282	5 635 543	6 801 132	3 070 512	5 766 462
	Nyaruguru	57 131 438	0	391 080	1 999 927	2 480 035	1 484 577	975 047	4 668 510	4 290 057	3 622 228	9 920 510
	Huye	67 317 670	747 833	136 529	3 728 457	0	0	1 892 228	4 641 609	4 066 226	4 053 810	2 460 117
	Nyamagabe	51 220 188	418 044	0	1 101 023	0	1 322 554	3 085 929	5 650 776	3 486 053	4 600 593	5 876 192
	Ruhango	92 705 449	12 300 528	156 505	205 891	0	713 631	2 067 528	1 323 501	2 491 914	4 445 428	26 858 038
	Muhanga	92 571 715	17 040 910	1 331 801	1 596 550	0	2 251 503	7 386 123	4 955 629	6 019 419	7 613 390	5 685 183
	Kamonyi	83 451 619	32 095 168	853 514	1 575 327	0	260 929	2 231 449	3 927 342	3 074 948	7 800 279	12 370 970
	Sub-total	**642 089 828**	**64 273 003**	**3 625 507**	**12 961 274**	**5 077 660**	**8 405 217**	**19 793 742**	**34 363 582**	**36 622 727**	**39 057 729**	**77 915 434**
West	Karongi	68 169 340	139 541	1 338 662	366 336	0	2 937 970	924 919	7 451 458	1 555 897	8 127 217	11 003 762
	Ngororero	54 630 408	3 147 559	0	2 326 523	0	2 575 150	2 486 826	4 155 685	8 577 367	4 805 529	15 702 344
	Nyabihu	39 595 991	2 524 172	1 838 644	444 197	0	588 064	354 176	3 927 774	10 671 278	2 681 185	7 477 707
	Rubavu	32 328 478	418 376	0	277 402	0	1 380 607	0	5 907 933	4 701 070	2 479 598	19 496 285
	Rutsiro	42 553 329	143 283	234 150	170 661	0	2 672 377	234 105	5 070 719	3 926 072	9 252 152	14 517 415
	Rusizi	34 434 954	362 301	506 554	1 728 854	0	4 230 453	88 345	8 862 555	9 123 932	6 252 106	6 956 933
	Nyamasheke	48 846 702	3 696 737	11 896 476	1 517 500	0	2 876 780	2 571 735	9 054 884	6 180 329	9 274 788	16 186 887
	Sub-total	**320 559 201**	**10 431 969**	**15 814 485**	**6 831 471**	**0**	**17 261 401**	**6 660 106**	**44 431 008**	**44 735 944**	**42 872 574**	**91 341 333**
North	Rulindo	49 952 046	800 790	8 132 502	4 880 804	345 572	3 917 290	2 997 729	3 392 374	3 809 236	4 634 349	13 067 162
	Gakenke	74 242 770	1 188 503	583 915	2 172 850	0	1 785 769	2 355 767	9 546 883	9 434 240	11 361 655	22 737 940
	Musanze	37 419 828	2 533 020	3 843 771	108 401	0	595 662	993 023	6 276 113	13 216 414	7 718 096	7 923 839
	Burera	36 812 512	2 609 094	634 178	993 299	0	1 417 993	2 425 754	2 711 858	8 640 134	4 529 592	13 825 986
	Gicumbi	49 958 606	130 279	9 621 321	2 740 154	0	2 200 734	1 529 172	3 335 459	5 386 953	7 442 818	14 221 913
	Sub-total	**248 385 763**	**7 261 686**	**22 815 687**	**10 895 509**	**345 572**	**9 917 448**	**10 301 447**	**25 262 687**	**40 486 977**	**35 686 510**	**71 776 841**
East	Bugesera	44 070 802	801 884	2 049 591	1 190 949	2 840 666	615 576	172 931	2 430 451	2 479 726	3 370 383	9 228 337
	Rwamagana	32 733 377	21 996	15 365 981	1 035 534	0	0	114 374	4 871 150	4 216 423	2 804 805	5 029 860
	Gatsibo	40 768 837	864 246	9 439 336	0	8 163 501	93 640	0	7 202 424	7 636 774	3 587 583	14 785 385
	Kayonza	33 144 094	504 076	20 757 859	797 913	1 696 601	1 501 455	185 342	6 271 069	6 332 736	7 053 541	13 072 934
	Kirehe	27 736 984	903 814	16 150 093	1 275 731	249 876	1 303 493	541 551	6 452 716	3 852 409	6 123 846	23 203 893
	Ngoma	43 561 118	414 508	15 169 817	0	0	0	90 305	4 828 138	12 323 814	5 645 268	6 210 171
	Nyagatare	82 349 228	50 334	7 335 082	5 996 407	1 478 851	4 135 196	153 490	7 246 020	37 888 214	16 130 517	11 967 413
	Sub-total	**304 364 440**	**3 560 858**	**86 267 759**	**10 296 533**	**14 429 494**	**7 649 361**	**1 257 992**	**39 301 969**	**74 730 095**	**44 715 943**	**83 497 993**
Total		**1 551 485 785**	**88 097 608**	**156 014 750**	**44 146 967**	**25 358 413**	**45 179 571**	**38 256 060**	**147 403 361**	**200 464 586**	**166 766 973**	**342 500 710**

A 4.3.4a1. Agricultural households' expenditure (in RWF) on agricultural equipments by province and district during the Season 2008A

Province	**District**	Bike	Scales	Basket	Sprayer	Mixer	Hatchet	Barrel	Valve	Pruning knife	Pitcher	Trash
Kigali City	Nyarugenge	0	0	52 876	1 017 653	0	0	0	0	0	88 127	88 127
	Gasabo	3 312 550	0	1 776 675	0	3 489 564	636 189	749 702	1 106 686	967 068	161 474	0
	Kicukiro	4 627 622	0	0	0	0	0	0	42 848	0	0	171 393
	Sub-total	**7 940 172**	**0**	**1 829 551**	**1 017 653**	**3 489 564**	**636 189**	**749 702**	**1 149 534**	**967 068**	**249 601**	**259 520**
South	Nyanza	28 451 079	30 651 100	3 071 908	3 765 640	2 343 763	1 884 924	3 062 326	659 657	617 295	1 767 768	999 184
	Gisagara	33 343 589	1 276 083	6 520 245	3 572 610	778 557	1 165 033	0	1 022 333	1 600 363	997 224	0
	Nyaruguru	9 313 136	2 636 670	5 412 851	699 626	1 900 043	1 012 836	0	1 104 749	924 397	1 372 532	2 191 442
	Huye	14 553 832	236 252	7 420 086	532 175	0	1 200 910	1 585 645	2 614 476	37 796	887 296	159 653
	Nyamagabe	0	520 621	4 335 615	0	258 470	2 259 293	3 195 354	934 047	413 035	1 362 427	172 313
	Ruhango	7 642 668	1 795 578	3 576 285	891 302	0	240 108	0	742 016	336 598	1 155 962	43 134
	Muhanga	4 660 334	10 037 828	5 455 312	188 948	2 254 409	914 062	0	1 125 852	657 679	620 738	811 506
	Kamonyi	9 472 524	258 786	1 902 394	0	1 634 995	1 695 261	0	1 268 199	779 965	427 016	311 026
	Sub-total	**107 437 162**	**47 412 918**	**37 694 697**	**9 650 301**	**9 170 237**	**10 372 428**	**7 843 325**	**9 471 329**	**5 367 130**	**8 590 963**	**4 688 257**
West	Karongi	10 879 845	297 981	2 666 856	312 794	38 361	1 465 308	1 643 144	1 425 975	1 235 565	1 407 658	745 151
	Ngororero	3 694 497	425 508	8 565 289	247 796	745 934	1 474 580	1 482 020	1 189 266	252 122	2 042 778	495 090
	Nyabihu	8 159 601	897 071	5 901 290	9 348 035	180 097	3 017 282	0	1 977 856	452 754	97 266	599 877
	Rubavu	4 781 419	1 593 640	1 092 136	5 479 115	4 144 024	1 216 865	0	2 186 138	583 971	273 086	269 193
	Rutsiro	0	2 463 811	5 762 690	4 920 714	6 688 406	999 207	1 981 328	1 155 564	1 022 071	400 225	635 979
	Rusizi	5 982 789	18 512 401	3 942 091	10 981 551	3 457 640	1 502 613	0	1 822 319	118 647	226 976	44 173
	Nyamasheke	2 981 625	11 240 340	4 027 617	0	3 233 717	5 259 213	982 154	1 439 688	59 189	875 311	165 004
	Sub-total	**36 479 777**	**35 430 752**	**31 957 970**	**31 290 005**	**18 488 178**	**14 935 069**	**6 088 646**	**11 196 807**	**3 724 318**	**5 323 301**	**2 954 466**
North	Rulindo	25 146 401	434 970	2 449 315	0	2 674 242	1 725 399	485 010	1 082 397	1 267 102	56 585	596 531
	Gakenke	42 534 255	10 669 007	5 416 765	327 927	1 851 961	1 412 547	4 296 466	1 633 130	2 699 657	829 356	2 416 490
	Musanze	11 461 146	2 813 075	3 943 239	10 885 864	790 596	3 283 491	240 623	945 172	1 402 357	295 252	1 491 285
	Burera	7 722 252	595 533	4 405 869	0	1 352 343	2 125 472	614 467	2 347 739	3 056 313	164 500	1 177 751
	Gicumbi	4 987 315	5 826 577	1 526 708	703 590	1 561 509	652 490	6 621 882	1 738 247	459 058	485 997	357 001
	Sub-total	**91 851 369**	**20 339 163**	**17 741 896**	**11 917 381**	**8 230 651**	**9 199 400**	**12 258 448**	**7 746 686**	**8 884 488**	**1 831 689**	**6 039 058**
East	Bugesera	25 110 902	1 265 975	871 604	546 818	1 040 547	1 166 498	2 840 004	608 375	2 641 562	1 115 175	114 217
	Rwamagana	17 991 049	0	1 486 926	12 833 232	776 253	161 485	0	165 458	176 646	0	110 893
	Gatsibo	25 496 670	5 288 282	520 194	0	1 521 557	541 428	3 046 298	743 026	555 711	553 165	474 749
	Kayonza	27 368 503	21 645 948	524 864	7 505 886	680 506	2 008 134	4 260 326	1 154 120	1 742 259	0	162 546
	Kirehe	44 834 635	809 333	853 735	5 089 579	408 547	765 839	2 209 304	1 109 124	29 710	1 600 919	291 360
	Ngoma	35 487 917	34 749 209	657 300	239 398	933 647	1 348 904	0	399 178	792 114	302 962	246 342
	Nyagatare	24 333 245	2 231 802	4 085 691	349 620	1 912 113	1 430 022	3 107 843	5 371 525	3 614 571	425 423	3 692 461
	Sub-total	**200 622 920**	**65 990 549**	**9 000 313**	**26 564 533**	**7 273 170**	**7 422 311**	**15 463 776**	**9 550 807**	**9 552 573**	**3 997 645**	**5 092 568**
Total		**444 331 400**	**169 173 382**	**98 224 427**	**80 439 874**	**46 651 800**	**42 565 395**	**42 403 897**	**39 115 163**	**28 495 576**	**19 993 199**	**19 033 870**

A 4.3.4a1. Agricultural households' expenditure (in RWF) on agricultural equipments by province and district during the Season 2008A

Province	District	Watering can	Saw	Milk can	Mortar	Milk pot	Large basket	Bowl (ingemeri)	Small basket	Granary	Other equipments	Equipments Total
Kigali City	Nyarugenge	0	0	0	0	0	0	0	0	0	3 116 695	27 564 898
	Gasabo	375 511	397 761	0	551 038	0	290 654	33 606	0	109 048	6 969 673	91 149 990
	Kicukiro	0	0	0	0	0	0	0	0	0	0	18 758 677
	Sub-total	**375 511**	**397 761**	**0**	**551 038**	**0**	**290 654**	**33 606**	**0**	**109 048**	**10 086 367**	**137 473 565**
South	Nyanza	584 621	396 045	55 922	559 584	251 326	0	17 816	992 145	0	21 266 685	256 941 840
	Gisagara	485 018	246 631	0	303 268	0	52 848	581 508	77 499	0	8 167 637	158 701 675
	Nyaruguru	0	0	0	197 710	67 401	110 858	60 819	1 721 850	0	10 604 174	126 294 506
	Huye	534 266	26 172	0	151 186	0	75 314	82 144	0	0	2 420 232	121 561 916
	Nyamagabe	0	82 669	0	658 112	0	248 616	0	89 228	0	5 118 760	96 409 913
	Ruhango	0	1 614 994	0	338 913	109 219	0	821 471	0	0	4 678 199	167 254 859
	Muhanga	1 501 000	151 369	0	1 516 457	93 207	0	71 303	0	0	9 827 367	186 339 594
	Kamonyi	988 168	155 201	0	624 743	98 814	530 466	267 050	442 975	0	1 293 283	169 792 410
	Sub-total	**4 093 075**	**2 673 079**	**55 922**	**4 349 973**	**619 967**	**1 018 102**	**1 902 112**	**3 323 698**	**0**	**63 376 338**	**1 283 296 713**
West	Karongi	407 902	1 947 625	0	286 991	0	0	225 129	291 660	0	13 226 946	140 519 993
	Ngororero	1 238 980	0	0	274 438	0	667 185	675 108	0	2 803 507	4 719 374	129 400 864
	Nyabihu	0	61 977	0	216 700	198 017	1 485 653	691 705	2 084 444	0	10 597 901	116 070 712
	Rubavu	0	0	0	774 474	0	745 238	183 753	0	0	19 056 371	109 369 174
	Rutsiro	0	128 200	0	933 287	707 087	78 050	1 718 664	202 931	0	7 335 936	115 908 413
	Rusizi	454 981	0	0	585 237	0	229 209	130 421	249 704	0	19 718 873	140 506 613
	Nyamasheke	1 623 414	4 251 276	0	1 109 656	289 403	58 929	0	0	0	11 798 206	161 497 558
	Sub-total	**3 725 276**	**6 389 078**	**0**	**4 180 784**	**1 194 507**	**3 264 264**	**3 624 780**	**2 828 739**	**2 803 507**	**86 453 607**	**913 273 326**
North	Rulindo	599 381	31 817	0	1 121 817	206 808	215 779	551 398	112 016	0	11 866 617	146 553 440
	Gakenke	426 084	266 561	0	600 586	600 678	0	291 499	499 110	0	23 356 395	235 538 766
	Musanze	267 437	0	0	135 502	0	715 503	516 645	803 124	4 905 369	16 745 477	142 269 326
	Burera	229 339	46 308	9 973 509	0	0	608 889	449 727	231 668	0	6 060 373	115 762 451
	Gicumbi	2 096 805	1 199 484	1 117 393	64 573	378 707	199 612	305 662	246 171	0	11 278 645	138 374 840
	Sub-total	**3 619 047**	**1 544 169**	**11 090 901**	**1 922 478**	**1 186 194**	**1 739 783**	**2 114 931**	**1 892 089**	**4 905 369**	**69 307 508**	**778 498 824**
East	Bugesera	285 542	168 560	92 712	134 977	1 012 444	188 968	113 627	0	0	8 507 488	117 077 293
	Rwamagana	1 358 936	0	0	55 447	72 712	0	27 286	0	0	3 371 435	104 781 256
	Gatsibo	0	266 273	0	129 090	2 222 735	406 102	414 593	0	254 013	6 683 758	141 659 371
	Kayonza	619 006	0	0	287 419	0	500 612	143 606	0	0	5 783 027	165 704 381
	Kirehe	404 666	357 153	0	573 477	0	1 060 980	767 455	438 404	0	8 163 284	157 561 912
	Ngoma	1 532 945	0	0	129 526	0	847 114	250 207	368 871	0	18 239 842	184 768 616
	Nyagatare	535 384	3 184 658	2 622 979	939 895	6 089 934	2 557 304	504 866	323 673	0	111 692 780	353 736 543
	Sub-total	**4 736 479**	**3 976 644**	**2 715 691**	**2 249 831**	**9 397 826**	**5 561 081**	**2 221 641**	**1 130 948**	**254 013**	**162 441 615**	**1 225 289 372**
Total		**16 549 388**	**14 980 732**	**13 862 515**	**13 254 104**	**12 398 493**	**11 873 884**	**9 897 070**	**9 175 473**	**8 071 937**	**391 665 436**	**4 337 831 800**

A 4.3.4a2. Agricultural households' expenditure (%) on agricultural equipments by province and district during the Season 2008A

Province	District	Hoe	Spring hoe	Three pronged hoe	Pick	Wheelbarrow	Shovel	Sickle	Machete	Game bag	Can/jerry	Radio
Kigali City	Nyarugenge	21.9%	6.7%	22.5%	1.1%	0.0%	0.0%	0.0%	2.8%	0.7%	3.1%	25.5%
	Gasabo	29.0%	0.8%	21.4%	3.1%	3.2%	1.7%	0.2%	3.2%	3.9%	3.6%	7.0%
	Kicukiro	19.5%	0.1%	9.4%	0.0%	13.9%	2.2%	0.2%	2.0%	0.7%	1.8%	24.4%
	Sub-total	**26.2%**	**1.9%**	**20.0%**	**2.3%**	**4.0%**	**1.4%**	**0.2%**	**2.9%**	**2.8%**	**3.2%**	**13.1%**
South	Nyanza	47.9%	0.7%	0.3%	0.8%	1.0%	0.7%	0.3%	1.4%	2.5%	1.5%	3.5%
	Gisagara	47.1%	0.0%	0.0%	0.4%	0.0%	0.3%	0.9%	3.6%	4.3%	1.9%	3.6%
	Nyaruguru	45.2%	0.0%	0.3%	1.6%	2.0%	1.2%	0.8%	3.7%	3.4%	2.9%	7.9%
	Huye	55.4%	0.6%	0.1%	3.1%	0.0%	0.0%	1.6%	3.8%	3.3%	3.3%	2.0%
	Nyamagabe	53.1%	0.4%	0.0%	1.1%	0.0%	1.4%	3.2%	5.9%	3.6%	4.8%	6.1%
	Ruhango	55.4%	7.4%	0.1%	0.1%	0.0%	0.4%	1.2%	0.8%	1.5%	2.7%	16.1%
	Muhanga	49.7%	9.1%	0.7%	0.9%	0.0%	1.2%	4.0%	2.7%	3.2%	4.1%	3.1%
	Kamonyi	49.1%	18.9%	0.5%	0.9%	0.0%	0.2%	1.3%	2.3%	1.8%	4.6%	7.3%
	Sub-total	**50.0%**	**5.0%**	**0.3%**	**1.0%**	**0.4%**	**0.7%**	**1.5%**	**2.7%**	**2.9%**	**3.0%**	**6.1%**
West	Karongi	48.5%	0.1%	1.0%	0.3%	0.0%	2.1%	0.7%	5.3%	1.1%	5.8%	7.8%
	Ngororero	42.2%	2.4%	0.0%	1.8%	0.0%	2.0%	1.9%	3.2%	6.6%	3.7%	12.1%
	Nyabihu	34.1%	2.2%	1.6%	0.4%	0.0%	0.5%	0.3%	3.4%	9.2%	2.3%	6.4%
	Rubavu	29.6%	0.4%	0.0%	0.3%	0.0%	1.3%	0.0%	5.4%	4.3%	2.3%	17.8%
	Rutsiro	36.7%	0.1%	0.2%	0.1%	0.0%	2.3%	0.2%	4.4%	3.4%	8.0%	12.5%
	Rusizi	24.5%	0.3%	0.4%	1.2%	0.0%	3.0%	0.1%	6.3%	6.5%	4.4%	5.0%
	Nyamasheke	30.2%	2.3%	7.4%	0.9%	0.0%	1.8%	1.6%	5.6%	3.8%	5.7%	10.0%
	Sub-total	**35.1%**	**1.1%**	**1.7%**	**0.7%**	**0.0%**	**1.9%**	**0.7%**	**4.9%**	**4.9%**	**4.7%**	**10.0%**
North	Rulindo	34.1%	0.5%	5.5%	3.3%	0.2%	2.7%	2.0%	2.3%	2.6%	3.2%	8.9%
	Gakenke	31.5%	0.5%	0.2%	0.9%	0.0%	0.8%	1.0%	4.1%	4.0%	4.8%	9.7%
	Musanze	26.3%	1.8%	2.7%	0.1%	0.0%	0.4%	0.7%	4.4%	9.3%	5.4%	5.6%
	Burera	31.8%	2.3%	0.5%	0.9%	0.0%	1.2%	2.1%	2.3%	7.5%	3.9%	11.9%
	Gicumbi	36.1%	0.1%	7.0%	2.0%	0.0%	1.6%	1.1%	2.4%	3.9%	5.4%	10.3%
	Sub-total	**31.9%**	**0.9%**	**2.9%**	**1.4%**	**0.0%**	**1.3%**	**1.3%**	**3.2%**	**5.2%**	**4.6%**	**9.2%**
East	Bugesera	37.6%	0.7%	1.8%	1.0%	2.4%	0.5%	0.1%	2.1%	2.1%	2.9%	7.9%
	Rwamagana	31.2%	0.0%	14.7%	1.0%	0.0%	0.0%	0.1%	4.6%	4.0%	2.7%	4.8%
	Gatsibo	28.8%	0.6%	6.7%	0.0%	5.8%	0.1%	0.0%	5.1%	5.4%	2.5%	10.4%
	Kayonza	20.0%	0.3%	12.5%	0.5%	1.0%	0.9%	0.1%	3.8%	3.8%	4.3%	7.9%
	Kirehe	17.6%	0.6%	10.2%	0.8%	0.2%	0.8%	0.3%	4.1%	2.4%	3.9%	14.7%
	Ngoma	23.6%	0.2%	8.2%	0.0%	0.0%	0.0%	0.0%	2.6%	6.7%	3.1%	3.4%
	Nyagatare	23.3%	0.0%	2.1%	1.7%	0.4%	1.2%	0.0%	2.0%	10.7%	4.6%	3.4%
	Sub-total	**24.8%**	**0.3%**	**7.0%**	**0.8%**	**1.2%**	**0.6%**	**0.1%**	**3.2%**	**6.1%**	**3.6%**	**6.8%**
Total		**35.8%**	**2.0%**	**3.6%**	**1.0%**	**0.6%**	**1.0%**	**0.9%**	**3.4%**	**4.6%**	**3.8%**	**7.9%**
	Cumulative %	35.8%	37.8%	41.4%	42.4%	43.0%	44.0%	44.9%	48.3%	52.9%	56.8%	64.7%

A 4.3.4a2. Agricultural households' expenditure (%) on agricultural equipments by province and district during the Season 2008A

Province	District	Bike	Scales	Basket	Sprayer	Mixer	Hatchet	Barrel	Valve	Pruning knife	Pitcher	Trash
Kigali City	Nyarugenge	0.0%	0.0%	0.2%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%
	Gasabo	3.6%	0.0%	1.9%	0.0%	3.8%	0.7%	0.8%	1.2%	1.1%	0.2%	0.0%
	Kicukiro	24.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.9%
	Sub-total	**5.8%**	**0.0%**	**1.3%**	**0.7%**	**2.5%**	**0.5%**	**0.5%**	**0.8%**	**0.7%**	**0.2%**	**0.2%**
South	Nyanza	11.1%	11.9%	1.2%	1.5%	0.9%	0.7%	1.2%	0.3%	0.2%	0.7%	0.4%
	Gisagara	21.0%	0.8%	4.1%	2.3%	0.5%	0.7%	0.0%	0.6%	1.0%	0.6%	0.0%
	Nyaruguru	7.4%	2.1%	4.3%	0.6%	1.5%	0.8%	0.0%	0.9%	0.7%	1.1%	1.7%
	Huye	12.0%	0.2%	6.1%	0.4%	0.0%	1.0%	1.3%	2.2%	0.0%	0.7%	0.1%
	Nyamagabe	0.0%	0.5%	4.5%	0.0%	0.3%	2.3%	3.3%	1.0%	0.4%	1.4%	0.2%
	Ruhango	4.6%	1.1%	2.1%	0.5%	0.0%	0.1%	0.0%	0.4%	0.2%	0.7%	0.0%
	Muhanga	2.5%	5.4%	2.9%	0.1%	1.2%	0.5%	0.0%	0.6%	0.4%	0.3%	0.4%
	Kamonyi	5.6%	0.2%	1.1%	0.0%	1.0%	1.0%	0.0%	0.7%	0.5%	0.3%	0.2%
	Sub-total	**8.4%**	**3.7%**	**2.9%**	**0.8%**	**0.7%**	**0.8%**	**0.6%**	**0.7%**	**0.4%**	**0.7%**	**0.4%**
West	Karongi	7.7%	0.2%	1.9%	0.2%	0.0%	1.0%	1.2%	1.0%	0.9%	1.0%	0.5%
	Ngororero	2.9%	0.3%	6.6%	0.2%	0.6%	1.1%	1.1%	0.9%	0.2%	1.6%	0.4%
	Nyabihu	7.0%	0.8%	5.1%	8.1%	0.2%	2.6%	0.0%	1.7%	0.4%	0.1%	0.5%
	Rubavu	4.4%	1.5%	1.0%	5.0%	3.8%	1.1%	0.0%	2.0%	0.5%	0.2%	0.2%
	Rutsiro	0.0%	2.1%	5.0%	4.2%	5.8%	0.9%	1.7%	1.0%	0.9%	0.3%	0.5%
	Rusizi	4.3%	13.2%	2.8%	7.8%	2.5%	1.1%	0.0%	1.3%	0.1%	0.2%	0.0%
	Nyamasheke	1.8%	7.0%	2.5%	0.0%	2.0%	3.3%	0.6%	0.9%	0.0%	0.5%	0.1%
	Sub-total	**4.0%**	**3.9%**	**3.5%**	**3.4%**	**2.0%**	**1.6%**	**0.7%**	**1.2%**	**0.4%**	**0.6%**	**0.3%**
North	Rulindo	17.2%	0.3%	1.7%	0.0%	1.8%	1.2%	0.3%	0.7%	0.9%	0.0%	0.4%
	Gakenke	18.1%	4.5%	2.3%	0.1%	0.8%	0.6%	1.8%	0.7%	1.1%	0.4%	1.0%
	Musanze	8.1%	2.0%	2.8%	7.7%	0.6%	2.3%	0.2%	0.7%	1.0%	0.2%	1.0%
	Burera	6.7%	0.5%	3.8%	0.0%	1.2%	1.8%	0.5%	2.0%	2.6%	0.1%	1.0%
	Gicumbi	3.6%	4.2%	1.1%	0.5%	1.1%	0.5%	4.8%	1.3%	0.3%	0.4%	0.3%
	Sub-total	**11.8%**	**2.6%**	**2.3%**	**1.5%**	**1.1%**	**1.2%**	**1.6%**	**1.0%**	**1.1%**	**0.2%**	**0.8%**
East	Bugesera	21.4%	1.1%	0.7%	0.5%	0.9%	1.0%	2.4%	0.5%	2.3%	1.0%	0.1%
	Rwamagana	17.2%	0.0%	1.4%	12.2%	0.7%	0.2%	0.0%	0.2%	0.2%	0.0%	0.1%
	Gatsibo	18.0%	3.7%	0.4%	0.0%	1.1%	0.4%	2.2%	0.5%	0.4%	0.4%	0.3%
	Kayonza	16.5%	13.1%	0.3%	4.5%	0.4%	1.2%	2.6%	0.7%	1.1%	0.0%	0.1%
	Kirehe	28.5%	0.5%	0.5%	3.2%	0.3%	0.5%	1.4%	0.7%	0.0%	1.0%	0.2%
	Ngoma	19.2%	18.8%	0.4%	0.1%	0.5%	0.7%	0.0%	0.2%	0.4%	0.2%	0.1%
	Nyagatare	6.9%	0.6%	1.2%	0.1%	0.5%	0.4%	0.9%	1.5%	1.0%	0.1%	1.0%
	Sub-total	**16.4%**	**5.4%**	**0.7%**	**2.2%**	**0.6%**	**0.6%**	**1.3%**	**0.8%**	**0.8%**	**0.3%**	**0.4%**
Total		**10.2%**	**3.9%**	**2.3%**	**1.9%**	**1.1%**	**1.0%**	**1.0%**	**0.9%**	**0.7%**	**0.5%**	**0.4%**
	Cumulative %	74.9%	78.8%	81.1%	82.9%	84.0%	85.0%	86.0%	86.9%	87.5%	88.0%	88.4%

A 4.3.4a2. Agricultural households' expenditure (%) on agricultural equipments by province and district during the Season 2008A

Province	District	Watering can	Saw	Milk can	Mortar	Milk pot	Large basket	Bowl (ingemeri)	Small basket	Granary	Other equipments	Equipments Total
Kigali City	Nyarugenge	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.3%	100%
	Gasabo	0.4%	0.4%	0.0%	0.6%	0.0%	0.3%	0.0%	0.0%	0.1%	7.6%	100%
	Kicukiro	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
	Sub-total	**0.3%**	**0.3%**	**0.0%**	**0.4%**	**0.0%**	**0.2%**	**0.0%**	**0.0%**	**0.1%**	**7.3%**	**100%**
South	Nyanza	0.2%	0.2%	0.0%	0.2%	0.1%	0.0%	0.0%	0.4%	0.0%	8.3%	100%
	Gisagara	0.3%	0.2%	0.0%	0.2%	0.0%	0.0%	0.4%	0.0%	0.0%	5.1%	100%
	Nyaruguru	0.0%	0.0%	0.0%	0.2%	0.1%	0.1%	0.0%	1.4%	0.0%	8.4%	100%
	Huye	0.4%	0.0%	0.0%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	2.0%	100%
	Nyamagabe	0.0%	0.1%	0.0%	0.7%	0.0%	0.3%	0.0%	0.1%	0.0%	5.3%	100%
	Ruhango	0.0%	1.0%	0.0%	0.2%	0.1%	0.0%	0.5%	0.0%	0.0%	2.8%	100%
	Muhanga	0.8%	0.1%	0.0%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	5.3%	100%
	Kamonyi	0.6%	0.1%	0.0%	0.4%	0.1%	0.3%	0.2%	0.3%	0.0%	0.8%	100%
	Sub-total	**0.3%**	**0.2%**	**0.0%**	**0.3%**	**0.0%**	**0.1%**	**0.1%**	**0.3%**	**0.0%**	**4.9%**	**100%**
West	Karongi	0.3%	1.4%	0.0%	0.2%	0.0%	0.0%	0.2%	0.2%	0.0%	9.4%	100%
	Ngororero	1.0%	0.0%	0.0%	0.2%	0.0%	0.5%	0.5%	0.0%	2.2%	3.6%	100%
	Nyabihu	0.0%	0.1%	0.0%	0.2%	0.2%	1.3%	0.6%	1.8%	0.0%	9.1%	100%
	Rubavu	0.0%	0.0%	0.0%	0.7%	0.0%	0.7%	0.2%	0.0%	0.0%	17.4%	100%
	Rutsiro	0.0%	0.1%	0.0%	0.8%	0.6%	0.1%	1.5%	0.2%	0.0%	6.3%	100%
	Rusizi	0.3%	0.0%	0.0%	0.4%	0.0%	0.2%	0.1%	0.2%	0.0%	14.0%	100%
	Nyamasheke	1.0%	2.6%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	7.3%	100%
	Sub-total	**0.4%**	**0.7%**	**0.0%**	**0.5%**	**0.1%**	**0.4%**	**0.4%**	**0.3%**	**0.3%**	**9.5%**	**100%**
North	Rulindo	0.4%	0.0%	0.0%	0.8%	0.1%	0.1%	0.4%	0.1%	0.0%	8.1%	100%
	Gakenke	0.2%	0.1%	0.0%	0.3%	0.3%	0.0%	0.1%	0.2%	0.0%	9.9%	100%
	Musanze	0.2%	0.0%	0.0%	0.1%	0.0%	0.5%	0.4%	0.6%	3.4%	11.8%	100%
	Burera	0.2%	0.0%	8.6%	0.0%	0.0%	0.5%	0.4%	0.2%	0.0%	5.2%	100%
	Gicumbi	1.5%	0.9%	0.8%	0.0%	0.3%	0.1%	0.2%	0.2%	0.0%	8.2%	100%
	Sub-total	**0.5%**	**0.2%**	**1.4%**	**0.2%**	**0.2%**	**0.2%**	**0.3%**	**0.2%**	**0.6%**	**8.9%**	**100%**
East	Bugesera	0.2%	0.1%	0.1%	0.1%	0.9%	0.2%	0.1%	0.0%	0.0%	7.3%	100%
	Rwamagana	1.3%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	3.2%	100%
	Gatsibo	0.0%	0.2%	0.0%	0.1%	1.6%	0.3%	0.3%	0.0%	0.2%	4.7%	100%
	Kayonza	0.4%	0.0%	0.0%	0.2%	0.0%	0.3%	0.1%	0.0%	0.0%	3.5%	100%
	Kirehe	0.3%	0.2%	0.0%	0.4%	0.0%	0.7%	0.5%	0.3%	0.0%	5.2%	100%
	Ngoma	0.8%	0.0%	0.0%	0.1%	0.0%	0.5%	0.1%	0.2%	0.0%	9.9%	100%
	Nyagatare	0.2%	0.9%	0.7%	0.3%	1.7%	0.7%	0.1%	0.1%	0.0%	31.6%	100%
	Sub-total	**0.4%**	**0.3%**	**0.2%**	**0.2%**	**0.8%**	**0.5%**	**0.2%**	**0.1%**	**0.0%**	**13.3%**	**100%**
Total		**0.4%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.3%**	**0.2%**	**0.2%**	**0.2%**	**9.0%**	**100%**
	Cumulative %	88.8%	89.2%	89.5%	89.8%	90.1%	90.3%	90.6%	90.8%	91.0%	100.0%	

A 4.3.4b1. Agricultural households' expenditure (in RWF) on agricultural equipments by province and district during Season 2008B

Province	District	Hoe	Spring hoe	Three pronged hoe	Pick	Wheelbarrow	Shovel	Sickle	Machete	Game bag	Can/jerry	Radio
Kigali City	Nyarugenge	362 954	70 102	508 827	0	0	0	0	140 056	0	0	2 363 452
	Gasabo	6 821 854	0	6 998 261	242 212	0	1 232 675	287 072	1 811 336	1 744 258	1 335 466	4 200 689
	Kicukiro	1 621 451	521 478	1 087 172	739 432	0	221 830	0	0	1 663 723	2 136 853	0
	Sub-total	**8 806 259**	**591 580**	**8 594 260**	**981 644**	**0**	**1 454 505**	**287 072**	**1 951 392**	**3 407 981**	**3 472 318**	**6 564 141**
South	Nyanza	28 478 172	1 176 446	188 941	64 423	0	0	884 194	1 728 076	8 099 402	3 617 493	3 843 805
	Gisagara	23 112 733	0	0	105 695	1 369 097	0	661 586	3 715 132	13 122 805	5 090 318	11 707 970
	Nyaruguru	24 983 205	0	0	362 469	0	1 264 889	1 107 950	3 319 732	3 301 819	4 463 876	9 665 819
	Huye	40 590 728	2 170 935	375 311	3 058 953	4 434 792	226 779	3 526 821	3 312 926	6 317 859	4 125 384	7 092 662
	Nyamagabe	44 749 142	0	0	464 086	4 055 820	373 135	2 236 274	5 621 924	2 100 064	7 001 201	8 185 042
	Ruhango	44 749 627	3 873 923	0	0	0	549 790	1 212 252	1 393 713	4 050 525	4 604 499	7 577 933
	Muhanga	29 542 896	9 039 880	0	631 307	0	1 115 584	1 691 374	2 261 218	2 556 585	6 689 798	6 327 845
	Kamonyi	45 469 998	22 872 033	1 303 705	1 052 895	2 160 283	1 073 766	1 726 443	2 502 939	8 851 276	2 073 413	5 853 712
	Sub-total	**281 676 502**	**39 133 217**	**1 867 957**	**5 739 828**	**12 019 991**	**4 603 943**	**13 046 893**	**23 855 659**	**48 400 335**	**37 665 981**	**60 254 788**
West	Karongi	29 268 345	0	0	1 735 431	0	1 636 669	1 277 306	6 248 690	3 070 900	9 212 217	6 204 089
	Ngororero	46 307 975	3 101 719	251 262	285 338	1 426 691	1 553 114	2 097 569	3 037 344	7 427 983	5 090 091	9 600 029
	Nyabihu	29 384 580	1 166 721	224 130	0	0	66 477	341 795	789 820	11 654 278	3 993 342	9 643 586
	Rubavu	16 057 977	542 865	0	301 230	0	779 459	0	3 613 134	8 715 552	2 627 353	9 415 042
	Rutsiro	31 688 115	15 354	201 203	0	0	2 151 342	364 220	5 340 766	4 121 259	3 248 922	8 470 721
	Rusizi	11 669 942	290 592	1 339 205	0	0	2 480 366	0	6 179 187	13 268 300	5 629 434	24 064 056
	Nyamasheke	38 680 933	142 469	2 674 418	1 340 961	0	2 539 921	1 188 061	5 674 203	11 678 002	6 185 206	8 804 355
	Sub-total	**203 057 867**	**5 259 719**	**4 690 218**	**3 662 960**	**1 426 691**	**11 207 349**	**5 268 951**	**30 883 144**	**59 936 275**	**35 986 565**	**76 201 877**
North	Rulindo	12 120 540	1 408 768	5 158 982	2 785 054	0	1 772 769	2 056 821	2 411 809	3 077 860	2 239 998	2 444 897
	Gakenke	17 153 164	1 331 320	1 738 553	687 564	0	0	1 333 793	5 017 205	3 301 702	4 000 820	13 090 203
	Musanze	12 066 364	2 299 062	733 209	978 977	0	1 261 709	270 732	2 951 327	15 172 651	4 395 867	10 532 043
	Burera	9 944 847	878 225	0	1 343 372	0	638 261	1 195 479	999 391	9 352 153	2 185 768	10 254 398
	Gicumbi	21 152 975	83 221	6 075 802	954 348	0	801 843	1 227 392	4 478 268	12 997 658	6 341 399	2 676 396
	Sub-total	**72 437 890**	**6 000 596**	**13 706 547**	**6 749 315**	**0**	**4 474 582**	**6 084 217**	**15 857 999**	**43 902 024**	**19 163 853**	**38 997 937**
East	Bugesera	17 383 164	514 008	1 533 076	184 990	0	185 863	266 379	4 762 785	10 834 001	7 567 606	15 796 394
	Rwamagana	15 472 168	555 090	6 116 764	0	0	0	47 465	4 964 761	7 042 328	7 459 990	14 279 616
	Gatsibo	11 457 101	416 052	3 363 993	0	6 424 392	0	83 210	3 691 585	9 980 117	5 291 514	11 533 107
	Kayonza	7 477 502	295 618	4 973 682	481 255	5 098 047	2 347 537	428 958	6 639 559	24 866 534	8 193 327	8 114 369
	Kirehe	8 489 811	201 278	7 727 102	371 691	0	2 031 768	157 034	3 842 820	20 480 723	5 094 080	15 491 323
	Ngoma	10 156 431	121 450	31 422 478	157 990	0	0	95 598	3 771 593	14 458 621	3 859 855	8 409 010
	Nyagatare	45 161 223	1 048 859	2 823 376	639 802	6 503 848	1 433 929	0	3 869 965	24 070 720	9 699 029	7 519 718
	Sub-total	**115 597 402**	**3 152 355**	**57 960 471**	**1 835 728**	**18 026 287**	**5 999 097**	**1 078 644**	**31 543 068**	**111 733 043**	**47 165 400**	**81 143 537**
Total		**681 575 919**	**54 137 467**	**86 819 452**	**18 969 476**	**31 472 969**	**27 739 476**	**25 765 777**	**104 091 263**	**267 379 658**	**143 454 117**	**263 162 280**

A 4.3.4b1. Agricultural households' expenditure (in RWF) on agricultural equipments by province and district during Season 2008B

Province	District	Bike	Scales	Basket	Sprayer	Mixer	Hatchet	Barrel	Valve	Pruning knife	Pitcher	Trash
Kigali City	Nyarugenge	0	0	0	0	0	0	0	0	0	0	0
	Gasabo	0	0	240 130	0	1 632 747	0	0	583 467	272 619	0	0
	Kicukiro	15 032 852	0	52 148	0	0	0	9 156 130	287 113	390 140	0	0
	Sub-total	**15 032 852**	**0**	**292 278**	**0**	**1 632 747**	**0**	**9 156 130**	**870 580**	**662 759**	**0**	**0**
South	Nyanza	17 110 193	21 841	1 817 473	0	406 879	669 152	764 394	2 031 592	654 216	477 765	232 910
	Gisagara	46 046 248	0	5 759 970	473 672	4 864 923	1 429 452	1 226 752	1 753 622	710 264	1 181 726	47 721
	Nyaruguru	5 247 196	0	6 916 875	0	1 924 182	629 833	0	915 160	79 730	706 561	368 389
	Huye	11 371 084	0	7 487 927	3 813 921	0	292 618	2 868 346	3 681 745	601 038	405 013	216 952
	Nyamagabe	0	0	3 220 621	0	576 521	3 195 336	0	2 336 438	482 974	748 242	86 157
	Ruhango	21 866 641	0	3 041 024	0	1 582 243	732 828	0	1 189 602	561 909	963 602	0
	Muhanga	0	0	2 628 414	0	0	275 649	0	509 335	795 906	338 617	856 646
	Kamonyi	6 113 009	0	1 116 473	0	238 300	470 919	0	1 906 529	852 838	143 162	1 072 813
	Sub-total	**107 754 370**	**21 841**	**31 988 777**	**4 287 593**	**9 593 050**	**7 695 786**	**4 859 493**	**14 324 022**	**4 738 875**	**4 964 686**	**2 881 587**
West	Karongi	0	138 426	3 245 347	735 392	1 484 411	1 132 343	0	1 666 341	973 827	1 184 528	0
	Ngororero	2 390 227	0	8 692 117	1 152 682	596 129	1 122 148	0	2 033 837	194 846	1 678 379	224 867
	Nyabihu	0	756 202	5 356 139	3 348 936	0	0	1 978 472	1 335 902	487 660	602 969	90 485
	Rubavu	16 379 411	47 814	697 144	3 705 988	424 530	583 132	0	630 279	437 186	40 319	0
	Rutsiro	3 754 533	541 279	3 411 891	328 175	0	2 442 470	0	987 487	2 035 956	899 534	443 028
	Rusizi	0	0	3 757 118	0	2 355 411	1 771 714	895 429	1 827 908	280 636	202 402	0
	Nyamasheke	0	118 517	4 606 555	0	1 831 883	2 429 119	0	2 363 392	0	26 220	109 913
	Sub-total	**22 524 171**	**1 602 238**	**29 766 312**	**9 271 173**	**6 692 364**	**9 480 925**	**2 873 901**	**10 845 146**	**4 410 111**	**4 634 352**	**868 293**
North	Rulindo	0	0	1 409 883	0	382 412	129 336	695 019	642 668	547 470	152 991	0
	Gakenke	14 428 698	293 898	3 511 292	476 818	0	2 463 927	0	1 133 822	426 320	172 134	880 513
	Musanze	6 487 334	5 957 535	2 946 714	33 333 534	362 578	832 649	1 604 154	642 431	926 318	204 871	831 032
	Burera	6 619 268	258 328	3 224 346	8 437 077	0	293 587	3 695 350	2 258 168	616 019	353 795	597 921
	Gicumbi	5 067 368	5 212 331	2 717 468	7 918 728	341 421	1 404 077	0	2 900 506	357 552	437 214	315 119
	Sub-total	**32 602 669**	**11 722 092**	**13 809 704**	**50 166 157**	**1 086 411**	**5 123 577**	**5 994 523**	**7 577 595**	**2 873 679**	**1 321 006**	**2 624 586**
East	Bugesera	51 720 529	113 627	1 762 887	683 536	234 635	1 349 057	0	2 143 150	1 958 580	2 435 558	677 259
	Rwamagana	14 873 142	0	1 598 647	909 543	2 577 780	0	645 517	589 230	770 808	141 613	0
	Gatsibo	26 778 245	0	1 285 484	5 163 710	0	1 048 362	1 596 414	1 038 088	116 573	36 996	191 853
	Kayonza	70 107 052	0	2 714 353	2 966 888	1 566 334	3 297 972	4 958 522	2 818 077	2 156 544	298 449	270 567
	Kirehe	80 367 270	0	720 303	1 347 383	272 365	678 125	0	2 539 758	178 779	37 169	0
	Ngoma	44 542 948	0	417 250	478 797	0	289 126	0	465 901	918 553	0	0
	Nyagatare	39 301 220	382 423	4 743 571	13 203 268	0	1 270 373	0	3 076 968	1 879 079	157 323	120 793
	Sub-total	**327 690 406**	**496 049**	**13 242 496**	**24 753 125**	**4 651 114**	**7 933 015**	**7 200 454**	**12 671 173**	**7 978 917**	**3 107 108**	**1 260 471**
Total		**505 604 468**	**13 842 220**	**89 099 567**	**88 478 048**	**23 655 685**	**30 233 302**	**30 084 501**	**46 288 515**	**20 664 339**	**14 027 151**	**7 634 937**

A 4.3.4b1. Agricultural households' expenditure (in RWF) on agricultural equipments by province and district during Season 2008B

Province	District	Watering can	Saw	Milk can	Mortar	Milk pot	Large basket	Bowl (ingemeri)	Small basket	Granary	Other equipments	Agicultural Equipments Total
Kigali City	Nyarugenge	0	0	0	0	0	0	0	0	0	700 282	4 145 673
	Gasabo	1 274 505	0	0	0	2 521 373	0	0	0	0	6 198 958	37 397 621
	Kicukiro	0	0	0	0	0	0	0	0	0	3 111 908	36 022 229
	Sub-total	**1 274 505**	**0**	**0**	**0**	**2 521 373**	**0**	**0**	**0**	**0**	**10 011 148**	**77 565 523**
South	Nyanza	267 215	0	0	0	0	244 128	30 584	302 649	0	3 187 417	76 299 358
	Gisagara	0	0	0	0	161 838	0	130 696	244 571	0	26 645 949	149 562 741
	Nyaruguru	524 720	0	0	337 968	0	0	274 905	631 308	0	28 653 402	95 679 987
	Huye	224 793	70 957	0	580 648	0	482 492	97 537	314 062	0	4 527 015	112 269 296
	Nyamagabe	602 828	93 937	0	490 868	34 837	384 498	860 604	243 349	0	14 435 358	102 579 256
	Ruhango	540 978	0	0	273 699	0	87 378	329 003	136 481	0	7 214 467	106 532 118
	Muhanga	1 177 774	28 565	0	0	61 210	0	70 097	136 942	0	2 897 090	69 632 731
	Kamonyi	915 804	0	0	120 126	0	0	131 316	0	0	2 226 686	110 248 437
	Sub-total	**4 254 111**	**193 458**	**0**	**1 803 310**	**257 885**	**1 198 496**	**1 924 743**	**2 009 362**	**0**	**89 787 385**	**822 803 925**
West	Karongi	505 757	373 302	347 627	670 597	209 165	164 299	145 662	79 689	0	8 097 195	79 807 554
	Ngororero	722 738	206 101	0	40 888	106 306	561 697	495 709	350 962	41 167	11 300 011	112 089 926
	Nyabihu	0	0	0	112 666	0	183 769	1 802 353	683 887	0	10 112 630	84 116 798
	Rubavu	0	493 584	0	230 864	0	291 264	517 683	0	0	17 037 739	83 569 550
	Rutsiro	118 097	232 782	63 486	418 010	51 607	123 018	80 481	548 021	0	10 293 259	82 375 014
	Rusizi	1 143 653	707 828	0	563 766	0	0	643 004	40 049	0	16 090 131	95 200 131
	Nyamasheke	559 038	3 325 362	78 919	230 210	146 551	37 585	0	0	0	12 756 026	107 527 818
	Sub-total	**3 049 283**	**5 338 959**	**490 031**	**2 267 001**	**513 629**	**1 361 633**	**3 684 892**	**1 702 607**	**41 167**	**85 686 990**	**644 686 791**
North	Rulindo	1 704 659	0	0	226 338	0	0	143 175	0	0	8 838 874	50 350 323
	Gakenke	385 194	0	0	665 663	0	0	595 734	160 940	0	6 965 189	80 214 468
	Musanze	0	1 147 944	0	0	0	0	366 743	966 219	0	8 831 947	116 103 945
	Burera	1 139 819	0	0	0	0	246 638	544 993	0	0	4 372 815	69 450 018
	Gicumbi	1 228 294	972 438	0	0	417 738	1 106 411	471 138	0	0	14 689 349	102 346 454
	Sub-total	**4 457 966**	**2 120 382**	**0**	**892 001**	**417 738**	**1 353 050**	**2 121 782**	**1 127 159**	**0**	**43 698 174**	**418 465 208**
East	Bugesera	1 886 663	991 269	790 454	342 775	625 903	0	169 314	0	0	12 627 477	139 540 938
	Rwamagana	317 737	0	0	333 724	591 371	0	82 046	0	0	29 118 291	108 487 631
	Gatsibo	517 640	325 116	1 594 921	208 283	710 653	0	243 928	199 839	0	8 425 119	101 722 293
	Kayonza	3 030 469	773 408	417 829	1 517 666	82 025	122 958	95 804	1 197 507	0	10 676 782	177 985 596
	Kirehe	785 171	167 837	0	576 767	0	0	345 189	0	0	37 671 150	189 574 897
	Ngoma	876 819	2 045 374	0	140 025	121 016	1 345 741	203 367	0	0	12 294 364	136 592 308
	Nyagatare	1 167 714	2 582 035	439 522	687 835	340 958	1 860 953	190 535	482 546	0	211 591 831	386 249 417
	Sub-total	**8 582 213**	**6 885 040**	**3 242 726**	**3 807 075**	**2 471 928**	**3 329 652**	**1 330 182**	**1 879 893**	**0**	**322 405 013**	**1 240 153 079**
Total		**21 618 078**	**14 537 839**	**3 732 757**	**8 769 386**	**6 182 553**	**7 242 831**	**9 061 600**	**6 719 020**	**41 167**	**551 588 710**	**3 203 674 527**

A 4.3.4b2. Agricultural households' expenditure (%) on agricultural equipments by province and district during Season 2008B

Province	District	Hoe	Spring hoe	Three pronged hoe	Pick	Wheelbarrow	Shovel	Sickle	Machete	Game bag	Can/jerry	Radio
Kigali City	Nyarugenge	8.8%	1.7%	12.3%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	57.0%
	Gasabo	18.2%	0.0%	18.7%	0.6%	0.0%	3.3%	0.8%	4.8%	4.7%	3.6%	11.2%
	Kicukiro	4.5%	1.4%	3.0%	2.1%	0.0%	0.6%	0.0%	0.0%	4.6%	5.9%	0.0%
	Sub-total	**11.4%**	**0.8%**	**11.1%**	**1.3%**	**0.0%**	**1.9%**	**0.4%**	**2.5%**	**4.4%**	**4.5%**	**8.5%**
South	Nyanza	37.3%	1.5%	0.2%	0.1%	0.0%	0.0%	1.2%	2.3%	10.6%	4.7%	5.0%
	Gisagara	15.5%	0.0%	0.0%	0.1%	0.9%	0.0%	0.4%	2.5%	8.8%	3.4%	7.8%
	Nyaruguru	26.1%	0.0%	0.0%	0.4%	0.0%	1.3%	1.2%	3.5%	3.5%	4.7%	10.1%
	Huye	36.2%	1.9%	0.3%	2.7%	4.0%	0.2%	3.1%	3.0%	5.6%	3.7%	6.3%
	Nyamagabe	43.6%	0.0%	0.0%	0.5%	4.0%	0.4%	2.2%	5.5%	2.0%	6.8%	8.0%
	Ruhango	42.0%	3.6%	0.0%	0.0%	0.0%	0.5%	1.1%	1.3%	3.8%	4.3%	7.1%
	Muhanga	42.4%	13.0%	0.0%	0.9%	0.0%	1.6%	2.4%	3.2%	3.7%	9.6%	9.1%
	Kamonyi	41.2%	20.7%	1.2%	1.0%	2.0%	1.0%	1.6%	2.3%	8.0%	1.9%	5.3%
	Sub-total	**34.2%**	**4.8%**	**0.2%**	**0.7%**	**1.5%**	**0.6%**	**1.6%**	**2.9%**	**5.9%**	**4.6%**	**7.3%**
West	Karongi	36.7%	0.0%	0.0%	2.2%	0.0%	2.1%	1.6%	7.8%	3.8%	11.5%	7.8%
	Ngororero	41.3%	2.8%	0.2%	0.3%	1.3%	1.4%	1.9%	2.7%	6.6%	4.5%	8.6%
	Nyabihu	34.9%	1.4%	0.3%	0.0%	0.0%	0.1%	0.4%	0.9%	13.9%	4.7%	11.5%
	Rubavu	19.2%	0.6%	0.0%	0.4%	0.0%	0.9%	0.0%	4.3%	10.4%	3.1%	11.3%
	Rutsiro	38.5%	0.0%	0.2%	0.0%	0.0%	2.6%	0.4%	6.5%	5.0%	3.9%	10.3%
	Rusizi	12.3%	0.3%	1.4%	0.0%	0.0%	2.6%	0.0%	6.5%	13.9%	5.9%	25.3%
	Nyamasheke	36.0%	0.1%	2.5%	1.2%	0.0%	2.4%	1.1%	5.3%	10.9%	5.8%	8.2%
	Sub-total	**31.5%**	**0.8%**	**0.7%**	**0.6%**	**0.2%**	**1.7%**	**0.8%**	**4.8%**	**9.3%**	**5.6%**	**11.8%**
North	Rulindo	24.1%	2.8%	10.2%	5.5%	0.0%	3.5%	4.1%	4.8%	6.1%	4.4%	4.9%
	Gakenke	21.4%	1.7%	2.2%	0.9%	0.0%	0.0%	1.7%	6.3%	4.1%	5.0%	16.3%
	Musanze	10.4%	2.0%	0.6%	0.8%	0.0%	1.1%	0.2%	2.5%	13.1%	3.8%	9.1%
	Burera	14.3%	1.3%	0.0%	1.9%	0.0%	0.9%	1.7%	1.4%	13.5%	3.1%	14.8%
	Gicumbi	20.7%	0.1%	5.9%	0.9%	0.0%	0.8%	1.2%	4.4%	12.7%	6.2%	2.6%
	Sub-total	**17.3%**	**1.4%**	**3.3%**	**1.6%**	**0.0%**	**1.1%**	**1.5%**	**3.8%**	**10.5%**	**4.6%**	**9.3%**
East	Bugesera	12.5%	0.4%	1.1%	0.1%	0.0%	0.1%	0.2%	3.4%	7.8%	5.4%	11.3%
	Rwamagana	14.3%	0.5%	5.6%	0.0%	0.0%	0.0%	0.0%	4.6%	6.5%	6.9%	13.2%
	Gatsibo	11.3%	0.4%	3.3%	0.0%	6.3%	0.0%	0.1%	3.6%	9.8%	5.2%	11.3%
	Kayonza	4.2%	0.2%	2.8%	0.3%	2.9%	1.3%	0.2%	3.7%	14.0%	4.6%	4.6%
	Kirehe	4.5%	0.1%	4.1%	0.2%	0.0%	1.1%	0.1%	2.0%	10.8%	2.7%	8.2%
	Ngoma	7.4%	0.1%	23.0%	0.1%	0.0%	0.0%	0.1%	2.8%	10.6%	2.8%	6.2%
	Nyagatare	11.7%	0.3%	0.7%	0.2%	1.7%	0.4%	0.0%	1.0%	6.2%	2.5%	1.9%
	Sub-total	**9.3%**	**0.3%**	**4.7%**	**0.1%**	**1.5%**	**0.5%**	**0.1%**	**2.5%**	**9.0%**	**3.8%**	**6.5%**
Total		**21.3%**	**1.7%**	**2.7%**	**0.6%**	**1.0%**	**0.9%**	**0.8%**	**3.2%**	**8.3%**	**4.5%**	**8.2%**
	Cumulative %	21.3%	23.0%	25.7%	26.3%	27.2%	28.1%	28.9%	32.2%	40.5%	45.0%	53.2%

A 4.3.4b2. Agricultural households' expenditure (%) on agricultural equipments by province and district during Season 2008B

Province	District	Bike	Scales	Basket	Sprayer	Mixer	Hatchet	Barrel	Valve	Pruning knife	Pitcher	Trash
Kigali City	Nyarugenge	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Gasabo	0.0%	0.0%	0.6%	0.0%	4.4%	0.0%	0.0%	1.6%	0.7%	0.0%	0.0%
	Kicukiro	41.7%	0.0%	0.1%	0.0%	0.0%	0.0%	25.4%	0.8%	1.1%	0.0%	0.0%
	Sub-total	**19.4%**	**0.0%**	**0.4%**	**0.0%**	**2.1%**	**0.0%**	**11.8%**	**1.1%**	**0.9%**	**0.0%**	**0.0%**
South	Nyanza	22.4%	0.0%	2.4%	0.0%	0.5%	0.9%	1.0%	2.7%	0.9%	0.6%	0.3%
	Gisagara	30.8%	0.0%	3.9%	0.3%	3.3%	1.0%	0.8%	1.2%	0.5%	0.8%	0.0%
	Nyaruguru	5.5%	0.0%	7.2%	0.0%	2.0%	0.7%	0.0%	1.0%	0.1%	0.7%	0.4%
	Huye	10.1%	0.0%	6.7%	3.4%	0.0%	0.3%	2.6%	3.3%	0.5%	0.4%	0.2%
	Nyamagabe	0.0%	0.0%	3.1%	0.0%	0.6%	3.1%	0.0%	2.3%	0.5%	0.7%	0.1%
	Ruhango	20.5%	0.0%	2.9%	0.0%	1.5%	0.7%	0.0%	1.1%	0.5%	0.9%	0.0%
	Muhanga	0.0%	0.0%	3.8%	0.0%	0.0%	0.4%	0.0%	0.7%	1.1%	0.5%	1.2%
	Kamonyi	5.5%	0.0%	1.0%	0.0%	0.2%	0.4%	0.0%	1.7%	0.8%	0.1%	1.0%
	Sub-total	**13.1%**	**0.0%**	**3.9%**	**0.5%**	**1.2%**	**0.9%**	**0.6%**	**1.7%**	**0.6%**	**0.6%**	**0.4%**
West	Karongi	0.0%	0.2%	4.1%	0.9%	1.9%	1.4%	0.0%	2.1%	1.2%	1.5%	0.0%
	Ngororero	2.1%	0.0%	7.8%	1.0%	0.5%	1.0%	0.0%	1.8%	0.2%	1.5%	0.2%
	Nyabihu	0.0%	0.9%	6.4%	4.0%	0.0%	0.0%	2.4%	1.6%	0.6%	0.7%	0.1%
	Rubavu	19.6%	0.1%	0.8%	4.4%	0.5%	0.7%	0.0%	0.8%	0.5%	0.0%	0.0%
	Rutsiro	4.6%	0.7%	4.1%	0.4%	0.0%	3.0%	0.0%	1.2%	2.5%	1.1%	0.5%
	Rusizi	0.0%	0.0%	3.9%	0.0%	2.5%	1.9%	0.9%	1.9%	0.3%	0.2%	0.0%
	Nyamasheke	0.0%	0.1%	4.3%	0.0%	1.7%	2.3%	0.0%	2.2%	0.0%	0.0%	0.1%
	Sub-total	**3.5%**	**0.2%**	**4.6%**	**1.4%**	**1.0%**	**1.5%**	**0.4%**	**1.7%**	**0.7%**	**0.7%**	**0.1%**
North	Rulindo	0.0%	0.0%	2.8%	0.0%	0.8%	0.3%	1.4%	1.3%	1.1%	0.3%	0.0%
	Gakenke	18.0%	0.4%	4.4%	0.6%	0.0%	3.1%	0.0%	1.4%	0.5%	0.2%	1.1%
	Musanze	5.6%	5.1%	2.5%	28.7%	0.3%	0.7%	1.4%	0.6%	0.8%	0.2%	0.7%
	Burera	9.5%	0.4%	4.6%	12.1%	0.0%	0.4%	5.3%	3.3%	0.9%	0.5%	0.9%
	Gicumbi	5.0%	5.1%	2.7%	7.7%	0.3%	1.4%	0.0%	2.8%	0.3%	0.4%	0.3%
	Sub-total	**7.8%**	**2.8%**	**3.3%**	**12.0%**	**0.3%**	**1.2%**	**1.4%**	**1.8%**	**0.7%**	**0.3%**	**0.6%**
East	Bugesera	37.1%	0.1%	1.3%	0.5%	0.2%	1.0%	0.0%	1.5%	1.4%	1.7%	0.5%
	Rwamagana	13.7%	0.0%	1.5%	0.8%	2.4%	0.0%	0.6%	0.5%	0.7%	0.1%	0.0%
	Gatsibo	26.3%	0.0%	1.3%	5.1%	0.0%	1.0%	1.6%	1.0%	0.1%	0.0%	0.2%
	Kayonza	39.4%	0.0%	1.5%	1.7%	0.9%	1.9%	2.8%	1.6%	1.2%	0.2%	0.2%
	Kirehe	42.4%	0.0%	0.4%	0.7%	0.1%	0.4%	0.0%	1.3%	0.1%	0.0%	0.0%
	Ngoma	32.6%	0.0%	0.3%	0.4%	0.0%	0.2%	0.0%	0.3%	0.7%	0.0%	0.0%
	Nyagatare	10.2%	0.1%	1.2%	3.4%	0.0%	0.3%	0.0%	0.8%	0.5%	0.0%	0.0%
	Sub-total	**26.4%**	**0.0%**	**1.1%**	**2.0%**	**0.4%**	**0.6%**	**0.6%**	**1.0%**	**0.6%**	**0.3%**	**0.1%**
Total		**15.8%**	**0.4%**	**2.8%**	**2.8%**	**0.7%**	**0.9%**	**0.9%**	**1.4%**	**0.6%**	**0.4%**	**0.2%**
	Cumulative %	69.0%	69.4%	72.2%	75.0%	75.7%	76.6%	77.6%	79.0%	79.7%	80.1%	80.4%

A 4.3.4b2. Agricultural households' expenditure (%) on agricultural equipments by province and district during Season 2008B

Province	District	Watering can	Saw	Milk can	Mortar	Milk pot	Large basket	Bowl (ingemeri)	Small basket	Granary	Other equipments	Agricultural equipments Total
Kigali City	Nyarugenge	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.9%	100%
	Gasabo	3.4%	0.0%	0.0%	0.0%	6.7%	0.0%	0.0%	0.0%	0.0%	16.6%	100%
	Kicukiro	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.6%	100%
	Sub-total	**1.6%**	**0.0%**	**0.0%**	**0.0%**	**3.3%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**12.9%**	**100%**
South	Nyanza	0.4%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.4%	0.0%	4.2%	100%
	Gisagara	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.2%	0.0%	17.8%	100%
	Nyaruguru	0.5%	0.0%	0.0%	0.4%	0.0%	0.0%	0.3%	0.7%	0.0%	29.9%	100%
	Huye	0.2%	0.1%	0.0%	0.5%	0.0%	0.4%	0.1%	0.3%	0.0%	4.0%	100%
	Nyamagabe	0.6%	0.1%	0.0%	0.5%	0.0%	0.4%	0.8%	0.2%	0.0%	14.1%	100%
	Ruhango	0.5%	0.0%	0.0%	0.3%	0.0%	0.1%	0.3%	0.1%	0.0%	6.8%	100%
	Muhanga	1.7%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.2%	0.0%	4.2%	100%
	Kamonyi	0.8%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%	2.0%	100%
	Sub-total	**0.5%**	**0.0%**	**0.0%**	**0.2%**	**0.0%**	**0.1%**	**0.2%**	**0.2%**	**0.0%**	**10.9%**	**100%**
West	Karongi	0.6%	0.5%	0.4%	0.8%	0.3%	0.2%	0.2%	0.1%	0.0%	10.1%	100%
	Ngororero	0.6%	0.2%	0.0%	0.0%	0.1%	0.5%	0.4%	0.3%	0.0%	10.1%	100%
	Nyabihu	0.0%	0.0%	0.0%	0.1%	0.0%	0.2%	2.1%	0.8%	0.0%	12.0%	100%
	Rubavu	0.0%	0.6%	0.0%	0.3%	0.0%	0.3%	0.6%	0.0%	0.0%	20.4%	100%
	Rutsiro	0.1%	0.3%	0.1%	0.5%	0.1%	0.1%	0.1%	0.7%	0.0%	12.5%	100%
	Rusizi	1.2%	0.7%	0.0%	0.6%	0.0%	0.0%	0.7%	0.0%	0.0%	16.9%	100%
	Nyamasheke	0.5%	3.1%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	11.9%	100%
	Sub-total	**0.5%**	**0.8%**	**0.1%**	**0.4%**	**0.1%**	**0.2%**	**0.6%**	**0.3%**	**0.0%**	**13.3%**	**100%**
North	Rulindo	3.4%	0.0%	0.0%	0.4%	0.0%	0.0%	0.3%	0.0%	0.0%	17.6%	100%
	Gakenke	0.5%	0.0%	0.0%	0.8%	0.0%	0.0%	0.7%	0.2%	0.0%	8.7%	100%
	Musanze	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.8%	0.0%	7.6%	100%
	Burera	1.6%	0.0%	0.0%	0.0%	0.0%	0.4%	0.8%	0.0%	0.0%	6.3%	100%
	Gicumbi	1.2%	1.0%	0.0%	0.0%	0.4%	1.1%	0.5%	0.0%	0.0%	14.4%	100%
	Sub-total	**1.1%**	**0.5%**	**0.0%**	**0.2%**	**0.1%**	**0.3%**	**0.5%**	**0.3%**	**0.0%**	**10.4%**	**100%**
East	Bugesera	1.4%	0.7%	0.6%	0.2%	0.4%	0.0%	0.1%	0.0%	0.0%	9.0%	100%
	Rwamagana	0.3%	0.0%	0.0%	0.3%	0.5%	0.0%	0.1%	0.0%	0.0%	26.8%	100%
	Gatsibo	0.5%	0.3%	1.6%	0.2%	0.7%	0.0%	0.2%	0.2%	0.0%	8.3%	100%
	Kayonza	1.7%	0.4%	0.2%	0.9%	0.0%	0.1%	0.1%	0.7%	0.0%	6.0%	100%
	Kirehe	0.4%	0.1%	0.0%	0.3%	0.0%	0.0%	0.2%	0.0%	0.0%	19.9%	100%
	Ngoma	0.6%	1.5%	0.0%	0.1%	0.1%	1.0%	0.1%	0.0%	0.0%	9.0%	100%
	Nyagatare	0.3%	0.7%	0.1%	0.2%	0.1%	0.5%	0.0%	0.1%	0.0%	54.8%	100%
	Sub-total	**0.7%**	**0.6%**	**0.3%**	**0.3%**	**0.2%**	**0.3%**	**0.1%**	**0.2%**	**0.0%**	**26.0%**	**100%**
Total		**0.7%**	**0.5%**	**0.1%**	**0.3%**	**0.2%**	**0.2%**	**0.3%**	**0.2%**	**0.0%**	**17.2%**	**100%**
	Cumulative %	81.0%	81.5%	81.6%	81.9%	82.1%	82.3%	82.6%	82.8%	82.8%	100.0%	

A 4.3.5a1. Agricultural households' expenditure (in RWF) on chemical fertilizers by province and district during Season 2008A

Province	District	NPK	DAP	Urea	Lime	Other	Chemical fertilizers Total
Kigali City	Nyarugenge	0	0	219 688	0	475 186	694 874
	Gasabo	14 191 267	278 004	6 764 927	2 153 832	104 958	23 492 988
	Kicukiro	5 633 625	0	0	0	0	5 633 625
	Sub-total:	**19 824 892**	**278 004**	**6 984 614**	**2 153 832**	**580 144**	**29 821 486**
South	Nyanza	5 837 436	774 663	49 857	0	1 427 626	8 089 582
	Gisagara	50 099 878	2 874 532	6 041 171	0	0	59 015 581
	Nyaruguru	118 604 653	247 722	5 768 759	22 683 613	305 990	147 610 737
	Huye	36 824 200	1 936 090	6 803 064	119 890	4 972 747	50 655 990
	Nyamagabe	145 951 689	932 875	8 874 725	4 308 660	0	160 067 950
	Ruhango	13 943 093	0	0	0	0	13 943 093
	Muhanga	15 058 015	0	409 832	2 833 145	0	18 300 991
	Kamonyi	15 260 050	0	3 952 279	0	999 936	20 212 266
	Sub-total:	**401 579 015**	**6 765 882**	**31 899 687**	**29 945 307**	**7 706 299**	**477 896 190**
West	Karongi	100 840 434	0	1 741 618	1 267 360	0	103 849 411
	Ngororero	27 412 218	2 234 894	491 504	4 523 752	35 878	34 698 246
	Nyabihu	313 711 757	239 774 317	14 664 282	0	3 673 904	571 824 259
	Rubavu	144 396 296	264 616 414	9 017 929	0	10 913 862	428 944 502
	Rutsiro	155 645 114	201 393	12 959 743	1 039 951	2 763 445	172 609 647
	Rusizi	128 379 963	8 138 580	74 421 519	103 070	594 723	211 637 855
	Nyamasheke	328 736 908	76 363	5 635 147	883 086	16 647 379	351 978 883
	Sub-total:	**1 199 122 689**	**515 041 962**	**118 931 742**	**7 817 219**	**34 629 191**	**1 875 542 803**
North	Rulindo	39 234 602	1 473 462	9 024 298	73 573	1 083 386	50 889 321
	Gakenke	122 029 450	3 380 781	2 730 792	0	784 424	128 925 448
	Musanze	403 553 449	11 843 935	2 874 583	724 028	719 827	419 715 824
	Burera	304 334 764	2 266 687	39 308 660	0	1 185 435	347 095 545
	Gicumbi	41 324 044	0	661 024	0	2 001 286	43 986 354
	Sub-total:	**910 476 309**	**18 964 865**	**54 599 358**	**797 601**	**5 774 358**	**990 612 492**
East	Bugesera	17 577 724	3 527 093	2 376 801	0	0	23 481 618
	Rwamagana	49 960 930	2 047 942	4 635 420	0	12 122 563	68 766 855
	Gatsibo	2 536 206	0	206 544	196 919	0	2 939 669
	Kayonza	8 520 098	2 805 051	1 111 442	0	995 268	13 431 859
	Kirehe	10 085 832	0	0	0	0	10 085 832
	Ngoma	23 753 769	0	11 843 300	0	2 069 912	37 666 980
	Nyagatare	66 712 753	0	40 095 889	0	0	106 808 641
	Sub-total:	**179 147 312**	**8 380 087**	**60 269 396**	**196 919**	**15 187 743**	**263 181 457**
Rwanda		**2 710 150 218**	**549 430 801**	**272 684 797**	**40 910 877**	**63 877 735**	**3 637 054 428**

A 4.3.5a2. Agricultural households' expenditure (%) on chemical fertilizers by province and district during Season 2008A

Province	District	NPK	DAP	Urea	Lime	Other	Chemical fertilizers Total
Kigali City	Nyarugenge	0.0%	0.0%	31.6%	0.0%	68.4%	100%
	Gasabo	60.4%	1.2%	28.8%	9.2%	0.4%	100%
	Kicukiro	100.0%	0.0%	0.0%	0.0%	0.0%	100%
	Sub-total:	**66.5%**	**0.9%**	**23.4%**	**7.2%**	**1.9%**	**100%**
South	Nyanza	72.2%	9.6%	0.6%	0.0%	17.6%	100%
	Gisagara	84.9%	4.9%	10.2%	0.0%	0.0%	100%
	Nyaruguru	80.3%	0.2%	3.9%	15.4%	0.2%	100%
	Huye	72.7%	3.8%	13.4%	0.2%	9.8%	100%
	Nyamagabe	91.2%	0.6%	5.5%	2.7%	0.0%	100%
	Ruhango	100.0%	0.0%	0.0%	0.0%	0.0%	100%
	Muhanga	82.3%	0.0%	2.2%	15.5%	0.0%	100%
	Kamonyi	75.5%	0.0%	19.6%	0.0%	4.9%	100%
	Sub-total:	**84.0%**	**1.4%**	**6.7%**	**6.3%**	**1.6%**	**100%**
West	Karongi	97.1%	0.0%	1.7%	1.2%	0.0%	100%
	Ngororero	79.0%	6.4%	1.4%	13.0%	0.1%	100%
	Nyabihu	54.9%	41.9%	2.6%	0.0%	0.6%	100%
	Rubavu	33.7%	61.7%	2.1%	0.0%	2.5%	100%
	Rutsiro	90.2%	0.1%	7.5%	0.6%	1.6%	100%
	Rusizi	60.7%	3.8%	35.2%	0.0%	0.3%	100%
	Nyamasheke	93.4%	0.0%	1.6%	0.3%	4.7%	100%
	Sub-total:	**63.9%**	**27.5%**	**6.3%**	**0.4%**	**1.8%**	**100%**
North	Rulindo	77.1%	2.9%	17.7%	0.1%	2.1%	100%
	Gakenke	94.7%	2.6%	2.1%	0.0%	0.6%	100%
	Musanze	96.1%	2.8%	0.7%	0.2%	0.2%	100%
	Burera	87.7%	0.7%	11.3%	0.0%	0.3%	100%
	Gicumbi	93.9%	0.0%	1.5%	0.0%	4.5%	100%
	Sub-total:	**91.9%**	**1.9%**	**5.5%**	**0.1%**	**0.6%**	**100%**
East	Bugesera	74.9%	15.0%	10.1%	0.0%	0.0%	100%
	Rwamagana	72.7%	3.0%	6.7%	0.0%	17.6%	100%
	Gatsibo	86.3%	0.0%	7.0%	6.7%	0.0%	100%
	Kayonza	63.4%	20.9%	8.3%	0.0%	7.4%	100%
	Kirehe	100.0%	0.0%	0.0%	0.0%	0.0%	100%
	Ngoma	63.1%	0.0%	31.4%	0.0%	5.5%	100%
	Nyagatare	62.5%	0.0%	37.5%	0.0%	0.0%	100%
	Sub-total:	**68.1%**	**3.2%**	**22.9%**	**0.1%**	**5.8%**	**100%**
Rwanda		**74.5%**	**15.1%**	**7.5%**	**1.1%**	**1.8%**	**100%**

A 4.3.5b1. Agricultural households' expenditure (in RWF) on chemical fertilizers by province and district during Season 2008B

Province	District	NPK	DAP	UREA	LIME	Other	Chemical fertilizers Total
Kigali City	Nyarugenge	10 022 643	0	1 421 539	0	21 008	11 465 191
	Gasabo	57 544 418	844 205	14 787 823	556 297	0	73 732 743
	Kicukiro	12 725 396	2 131 764	2 474 137	558 226	0	17 889 523
	Sub-total	**80 292 458**	**2 975 970**	**18 683 499**	**1 114 522**	**21 008**	**103 087 457**
South	Nyanza	145 871 440	693 522	7 342 624	4 623 834	1 956 684	160 488 104
	Gisagara	783 479 854	394 269 884	12 834 982	10 607 464	864 945	1 202 057 130
	Nyaruguru	228 298 185	450 835 616	30 904 010	527 873	30 224 140	740 789 824
	Huye	211 194 652	16 828 005	128 552 678	136 827	10 301 036	367 013 198
	Nyamagabe	895 458 066	11 364 844	5 179 066	1 042 143	1 245 060	914 289 179
	Ruhango	211 332 564	6 984 027	40 320 499	0	4 898 094	263 535 184
	Muhanga	3 608 886	0	0	0	0	3 608 886
	Kamonyi	941 395	0	153 522	0	0	1 094 917
	Sub-total	**2 480 185 041**	**880 975 898**	**225 287 381**	**16 938 142**	**49 489 959**	**3 652 876 421**
West	Karongi	20 172 845	2 422 542	2 331 948	0	0	24 927 335
	Ngororero	1 410 086	0	84 120	376 327	0	1 870 533
	Nyabihu	119 158 069	136 772 921	1 575 309	1 573 704	0	259 080 002
	Rubavu	75 858 003	134 133 014	5 443 458	0	2 943 641	218 378 116
	Rutsiro	4 514 213	0	2 129 961	603 608	0	7 247 782
	Rusizi	27 283 702	0	36 023 650	0	0	63 307 352
	Nyamasheke	11 807 231	0	1 146 472	0	3 806 771	16 760 474
	Sub-total	**260 204 150**	**273 328 477**	**48 734 918**	**2 553 638**	**6 750 412**	**591 571 595**
North	Rulindo	3 589 698	0	6 778 334	0	0	10 368 032
	Gakenke	10 578 988	1 124 627	1 556 980	0	0	13 260 595
	Musanze	246 644 565	2 333 586	553 627	0	620 912	250 152 690
	Burera	72 900 999	99 703	1 803 905	0	1 654 817	76 459 423
	Gicumbi	8 692 184	0	130 771	0	0	8 822 955
	Sub-total	**342 406 435**	**3 557 916**	**10 823 616**	**0**	**2 275 729**	**359 063 696**
East	Bugesera	0	0	0	0	0	0
	Rwamagana	11 574 900	0	1 652 987	0	0	13 227 887
	Gatsibo	187 279	0	140 460	0	0	327 739
	Kayonza	1 589 702	0	0	0	0	1 589 702
	Kirehe	675 018	0	400 011	0	0	1 075 029
	Ngoma	1 108 202	0	256 974	0	0	1 365 177
	Nyagatare	599 040	0	547 693	0	0	1 146 733
	Sub-total	**15 734 143**	**0**	**2 998 125**	**0**	**0**	**18 732 268**
Rwanda		**3 178 822 227**	**1 160 838 260**	**306 527 540**	**20 606 302**	**58 537 109**	**4 725 331 438**

A 4.3.5b2. Agricultural households' expenditure) (%) on chemical fertilizers by province and district during Season 2008B

Province	District	NPK	DAP	UREA	LIME	Other	Chemical fertilizers Total
Kigali City	Nyarugenge	87.4%	0.0%	12.4%	0.0%	0.2%	100%
	Gasabo	78.0%	1.1%	20.1%	0.8%	0.0%	100%
	Kicukiro	71.1%	11.9%	13.8%	3.1%	0.0%	100%
	Sub-total	**77.9%**	**2.9%**	**18.1%**	**1.1%**	**0.0%**	**100%**
South	Nyanza	90.9%	0.4%	4.6%	2.9%	1.2%	100%
	Gisagara	65.2%	32.8%	1.1%	0.9%	0.1%	100%
	Nyaruguru	30.8%	60.9%	4.2%	0.1%	4.1%	100%
	Huye	57.5%	4.6%	35.0%	0.0%	2.8%	100%
	Nyamagabe	97.9%	1.2%	0.6%	0.1%	0.1%	100%
	Ruhango	80.2%	2.7%	15.3%	0.0%	1.9%	100%
	Muhanga	100.0%	0.0%	0.0%	0.0%	0.0%	100%
	Kamonyi	86.0%	0.0%	14.0%	0.0%	0.0%	100%
	Sub-total	**67.9%**	**24.1%**	**6.2%**	**0.5%**	**1.4%**	**100%**
West	Karongi	80.9%	9.7%	9.4%	0.0%	0.0%	100%
	Ngororero	75.4%	0.0%	4.5%	20.1%	0.0%	100%
	Nyabihu	46.0%	52.8%	0.6%	0.6%	0.0%	100%
	Rubavu	34.7%	61.4%	2.5%	0.0%	1.3%	100%
	Rutsiro	62.3%	0.0%	29.4%	8.3%	0.0%	100%
	Rusizi	43.1%	0.0%	56.9%	0.0%	0.0%	100%
	Nyamasheke	70.4%	0.0%	6.8%	0.0%	22.7%	100%
	Sub-total	**44.0%**	**46.2%**	**8.2%**	**0.4%**	**1.1%**	**100%**
North	Rulindo	34.6%	0.0%	65.4%	0.0%	0.0%	100%
	Gakenke	79.8%	8.5%	11.7%	0.0%	0.0%	100%
	Musanze	98.6%	0.9%	0.2%	0.0%	0.2%	100%
	Burera	95.3%	0.1%	2.4%	0.0%	2.2%	100%
	Gicumbi	98.5%	0.0%	1.5%	0.0%	0.0%	100%
	Sub-total	**95.4%**	**1.0%**	**3.0%**	**0.0%**	**0.6%**	**100%**
East	Bugesera	0.0%	0.0%	0.0%	0.0%	0.0%	0%
	Rwamagana	87.5%	0.0%	12.5%	0.0%	0.0%	100%
	Gatsibo	57.1%	0.0%	42.9%	0.0%	0.0%	100%
	Kayonza	100.0%	0.0%	0.0%	0.0%	0.0%	100%
	Kirehe	62.8%	0.0%	37.2%	0.0%	0.0%	100%
	Ngoma	81.2%	0.0%	18.8%	0.0%	0.0%	100%
	Nyagatare	52.2%	0.0%	47.8%	0.0%	0.0%	100%
	Sub-total	**84.0%**	**0.0%**	**16.0%**	**0.0%**	**0.0%**	**100%**
Rwanda		**67.3%**	**24.6%**	**6.5%**	**0.4%**	**1.2%**	**100%**

A 4.3.6a1. Agricultural households' expenditure (in RWF) on pesticides by province and district during Season 2008A

Province	District	Dithane	Dursban	Sumicombi	Copper oxychloride	Ridomil	DDT	Thiodan	Other	Total
Kigali City	Nyarugenge	9 158 105	187 899	1 653 635	0	25 441	216 960	3 351 535	3 337 385	17 930 960
	Gasabo	11 972 845	0	0	418 518	322 949	622 891	7 580 161	3 178 116	24 095 480
	Kicukiro	6 613 063	0	531 676	0	746 539	0	2 357 470	909 420	11 158 168
	Sub-total	**27 744 013**	**187 899**	**2 185 311**	**418 518**	**1 094 929**	**839 851**	**13 289 166**	**7 424 922**	**53 184 608**
South	Nyanza	10 907 781	1 411 127	4 447 001	0	8 980 899	55 922	384 501	9 543 795	35 731 027
	Gisagara	12 029 138	1 173 349	12 041 958	0	214 314	4 069 514	130 279	1 119 234	30 777 787
	Nyaruguru	5 766 748	1 074 682	3 840 746	0	0	102 298	76 397	727 897	11 588 767
	Huye	9 557 926	547 975	7 375 647	95 130	0	327 546	0	3 691 996	21 596 220
	Nyamagabe	5 264 044	0	2 309 950	0	0	87 093	33 068	215 173	7 909 327
	Ruhango	11 594 545	1 669 440	4 538 234	0	995 513	228 590	1 020 533	845 688	20 892 544
	Muhanga	15 617 509	283 854	0	0	725 737	0	6 510 414	1 663 491	24 801 006
	Kamonyi	22 411 160	2 139 021	395 513	121 027	672 433	86 976	15 493 851	1 932 788	43 252 770
	Sub-total	**93 148 851**	**8 299 447**	**34 949 049**	**216 157**	**11 588 896**	**4 957 940**	**23 649 043**	**19 740 063**	**196 549 447**
West	Karongi	7 280 470	314 909	7 809 619	0	0	1 013 967	4 902 761	1 926 117	23 247 843
	Ngororero	15 390 745	337 620	315 809	0	561 264	247 281	6 589 307	261 331	23 703 358
	Nyabihu	238 414 630	747 951	0	0	21 015 969	348 232	21 704 222	1 066 720	283 297 724
	Rubavu	168 180 851	15 111 230	1 260 246	0	23 850 122	155 039	8 404 347	20 104 064	237 065 899
	Rutsiro	26 441 423	5 096 306	12 986 369	0	52 488	0	9 930 550	1 339 903	55 847 039
	Rusizi	24 474 680	3 629 758	20 585 575	1 761 732	909 962	120 314	304 833	16 850 201	68 637 056
	Nyamasheke	6 805 081	2 370 269	9 082 673	372 692	0	102 147	141 212	3 242 156	22 116 230
	Sub-total	**486 987 879**	**27 608 042**	**52 040 292**	**2 134 424**	**46 389 805**	**1 986 980**	**51 977 233**	**44 790 493**	**713 915 148**
North	Rulindo	14 967 192	3 813 914	647 959	338 476	0	421 023	58 898 775	334 541	79 421 881
	Gakenke	4 241 434	267 966	350 494	60 116	92 447	0	6 903 803	248 403	12 164 663
	Musanze	108 652 068	184 159	958 587	0	9 177 236	0	6 298 714	37 055 200	162 325 963
	Burera	57 649 465	206 852	19 414 660	0	437 053	193 056	959 109	5 622 806	84 483 002
	Gicumbi	13 958 690	0	1 517 672	1 057 580	2 509 117	336 174	1 787 748	1 997 318	23 164 299
	Sub-total	**199 468 850**	**4 472 892**	**22 889 371**	**1 456 172**	**12 215 853**	**950 253**	**74 848 149**	**45 258 268**	**361 559 808**
East	Bugesera	3 036 217	392 777	1 897 456	189 378	38 741	30 799	1 196 861	1 387 306	8 169 534
	Rwamagana	26 834 048	2 944 406	0	0	759 758	3 235 492	12 179 578	7 577 166	53 530 449
	Gatsibo	4 172 833	852 285	596 600	0	591 929	1 774 303	4 668 507	3 954 526	16 610 983
	Kayonza	7 617 208	225 655	206 187	0	42 849	1 098 427	1 931 299	4 471 605	15 593 230
	Kirehe	566 463	0	0	0	0	74 963	1 998 009	3 460 397	6 099 832
	Ngoma	143 822 720	0	980 330	0	2 569 745	1 038 011	7 362 813	49 566 282	205 339 901
	Nyagatare	19 686 814	0	790 881	0	2 574 145	2 955 521	16 403 038	144 862 062	187 272 461
	Sub-total	**205 736 303**	**4 415 124**	**4 471 454**	**189 378**	**6 577 166**	**10 207 517**	**45 740 106**	**215 279 344**	**492 616 390**
Rwanda		**1 013 085 896**	**44 983 404**	**116 535 476**	**4 414 648**	**77 866 649**	**18 942 541**	**209 503 697**	**332 493 090**	**1 817 825 400**

A 4.3.6a2. Agricultural households' expenditure (%) on pesticides by province and district during Season 2008A

Province	District	Dithane	Dursban	Sumicombi	Copper oxychloride	Ridomil	DDT	Thiodan	Other	Total
Kigali City	Nyarugenge	51.1%	1.0%	9.2%	0.0%	0.1%	1.2%	18.7%	18.6%	100%
	Gasabo	49.7%	0.0%	0.0%	1.7%	1.3%	2.6%	31.5%	13.2%	100%
	Kicukiro	59.3%	0.0%	4.8%	0.0%	6.7%	0.0%	21.1%	8.2%	100%
	Sub-total	**52.2%**	**0.4%**	**4.1%**	**0.8%**	**2.1%**	**1.6%**	**25.0%**	**14.0%**	**100%**
South	Nyanza	30.5%	3.9%	12.4%	0.0%	25.1%	0.2%	1.1%	26.7%	100%
	Gisagara	39.1%	3.8%	39.1%	0.0%	0.7%	13.2%	0.4%	3.6%	100%
	Nyaruguru	49.8%	9.3%	33.1%	0.0%	0.0%	0.9%	0.7%	6.3%	100%
	Huye	44.3%	2.5%	34.2%	0.4%	0.0%	1.5%	0.0%	17.1%	100%
	Nyamagabe	66.6%	0.0%	29.2%	0.0%	0.0%	1.1%	0.4%	2.7%	100%
	Ruhango	55.5%	8.0%	21.7%	0.0%	4.8%	1.1%	4.9%	4.0%	100%
	Muhanga	63.0%	1.1%	0.0%	0.0%	2.9%	0.0%	26.3%	6.7%	100%
	Kamonyi	51.8%	4.9%	0.9%	0.3%	1.6%	0.2%	35.8%	4.5%	100%
	Sub-total	**47.4%**	**4.2%**	**17.8%**	**0.1%**	**5.9%**	**2.5%**	**12.0%**	**10.0%**	**100%**
West	Karongi	31.3%	1.4%	33.6%	0.0%	0.0%	4.4%	21.1%	8.3%	100%
	Ngororero	64.9%	1.4%	1.3%	0.0%	2.4%	1.0%	27.8%	1.1%	100%
	Nyabihu	84.2%	0.3%	0.0%	0.0%	7.4%	0.1%	7.7%	0.4%	100%
	Rubavu	70.9%	6.4%	0.5%	0.0%	10.1%	0.1%	3.5%	8.5%	100%
	Rutsiro	47.3%	9.1%	23.3%	0.0%	0.1%	0.0%	17.8%	2.4%	100%
	Rusizi	35.7%	5.3%	30.0%	2.6%	1.3%	0.2%	0.4%	24.5%	100%
	Nyamasheke	30.8%	10.7%	41.1%	1.7%	0.0%	0.5%	0.6%	14.7%	100%
	Sub-total	**68.2%**	**3.9%**	**7.3%**	**0.3%**	**6.5%**	**0.3%**	**7.3%**	**6.3%**	**100%**
North	Rulindo	18.8%	4.8%	0.8%	0.4%	0.0%	0.5%	74.2%	0.4%	100%
	Gakenke	34.9%	2.2%	2.9%	0.5%	0.8%	0.0%	56.8%	2.0%	100%
	Musanze	66.9%	0.1%	0.6%	0.0%	5.7%	0.0%	3.9%	22.8%	100%
	Burera	68.2%	0.2%	23.0%	0.0%	0.5%	0.2%	1.1%	6.7%	100%
	Gicumbi	60.3%	0.0%	6.6%	4.6%	10.8%	1.5%	7.7%	8.6%	100%
	Sub-total	**55.2%**	**1.2%**	**6.3%**	**0.4%**	**3.4%**	**0.3%**	**20.7%**	**12.5%**	**100%**
East	Bugesera	37.2%	4.8%	23.2%	2.3%	0.5%	0.4%	14.7%	17.0%	100%
	Rwamagana	50.1%	5.5%	0.0%	0.0%	1.4%	6.0%	22.8%	14.2%	100%
	Gatsibo	25.1%	5.1%	3.6%	0.0%	3.6%	10.7%	28.1%	23.8%	100%
	Kayonza	48.8%	1.4%	1.3%	0.0%	0.3%	7.0%	12.4%	28.7%	100%
	Kirehe	9.3%	0.0%	0.0%	0.0%	0.0%	1.2%	32.8%	56.7%	100%
	Ngoma	70.0%	0.0%	0.5%	0.0%	1.3%	0.5%	3.6%	24.1%	100%
	Nyagatare	10.5%	0.0%	0.4%	0.0%	1.4%	1.6%	8.8%	77.4%	100%
	Sub-total	**41.8%**	**0.9%**	**0.9%**	**0.0%**	**1.3%**	**2.1%**	**9.3%**	**43.7%**	**100%**
Rwanda		**55.7%**	**2.5%**	**6.4%**	**0.2%**	**4.3%**	**1.0%**	**11.5%**	**18.3%**	**100%**

A 4.3.6b1.Agricultural households' expenditure (RWF) on pesticides by province and district during Season 2008B

Province	District	Dithane	Dursban	Sumicombi	Copper oxychloride	Ridomil	DDT	Thiodan	Other	Pesticides Total
Kigali City	Nyarugenge	4 369 163	0	1 408 527	162 825	391 797	142 471	4 397 536	66 147	10 938 466
	Gasabo	25 421 588	5 341 528	9 808 688	217 372	3 952 061	1 752 242	8 430 829	11 154 775	66 079 083
	Kicukiro	10 310 066	359 696	2 481 109	0	998 353	0	674 741	1 265 457	16 089 421
	Sub-total	**40 100 816**	**5 701 224**	**13 698 324**	**380 197**	**5 342 211**	**1 894 713**	**13 503 106**	**12 486 379**	**93 106 970**
South	Nyanza	22 455 533	113 286	16 290 070	0	1 434 299	449 263	169 291	1 793 728	42 705 468
	Gisagara	53 780 842	85 743	13 335 099	196 756	3 688 704	3 420 531	21 041 199	5 894 936	101 443 809
	Nyaruguru	305 694 201	0	3 622 030	0	22 253 357	652 776	24 536 015	2 388 029	359 146 408
	Huye	277 325 913	16 820 886	2 693 481	838 443	33 279 719	31 407	8 805 950	65 304 543	405 100 342
	Nyamagabe	124 355 997	3 438 088	32 326 162	1 095 048	11 118 023	51 218	8 688 639	12 768 618	193 841 793
	Ruhango	46 232 183	3 593 974	14 315 104	1 103 446	3 224 466	142 714	11 271 291	5 586 673	85 469 851
	Muhanga	191 458 154	1 761 683	1 454 567	72 574	13 581 450	59 886	13 590 675	1 223 893	223 202 881
	Kamonyi	125 597 302	272 083	12 701 377	233 231	7 108 434	46 265	2 788 510	8 438 999	157 186 201
	Sub-total	**1 146 900 126**	**26 085 742**	**96 737 889**	**3 539 497**	**95 688 453**	**4 854 059**	**90 891 570**	**103 399 418**	**1 568 096 753**
West	Karongi	67 858 882	1 847 124	8 648 083	737 374	3 737 861	7 007 866	27 186 588	18 764 533	135 788 310
	Ngororero	57 726 384	771 502	5 965 357	903 206	6 458 996	8 845 042	22 514 740	385 257 552	488 442 777
	Nyabihu	148 875 630	88 839	0	0	4 522 109	0	7 662 118	346 324	161 495 020
	Rubavu	72 436 652	2 675 061	334 732	1 232 631	11 032 826	0	1 129 339	8 083 923	96 925 164
	Rutsiro	8 056 542	0	1 529 357	0	1 749 992	0	2 367 689	0	13 703 580
	Rusizi	7 426 422	0	6 846 098	579 100	0	0	0	712 187	15 563 807
	Nyamasheke	574 801	567 884	73 275	0	0	0	0	0	1 215 960
	Sub-total	**362 955 312**	**5 950 410**	**23 396 902**	**3 452 310**	**27 501 784**	**15 852 908**	**60 860 474**	**413 164 518**	**913 134 618**
North	Rulindo	4 361 858	0	334 190	0	0	0	889 325	78 269	5 663 642
	Gakenke	2 109 765	0	1 235 943	0	0	29 481	3 246 373	13 542	6 635 104
	Musanze	84 592 339	402 483	97 561	0	4 054 999	0	4 035 634	607 299	93 790 315
	Burera	19 944 248	0	1 852 428	0	459 699	0	284 970	1 117 545	23 658 889
	Gicumbi	4 394 812	0	173 027	0	2 980 573	30 688	39 097	0	7 618 198
	Sub-total	**115 403 022**	**402 483**	**3 693 149**	**0**	**7 495 271**	**60 169**	**8 495 398**	**1 816 655**	**137 366 147**
East	Bugesera	0	0	0	0	0	139 009	34 752	0	173 762
	Rwamagana	7 498 222	37 256	0	0	0	278 549	2 066 526	3 046 138	12 926 690
	Gatsibo	5 555 280	0	0	0	0	0	3 925 905	460 953	9 942 138
	Kayonza	4 772 416	0	273 345	0	0	245 517	172 486	1 853 771	7 317 535
	Kirehe	749 013	0	0	0	0	24 907	1 086 579	758 998	2 619 497
	Ngoma	722 741	0	17 503	0	481 827	726 591	1 579 729	793 272	4 321 663
	Nyagatare	925 910	0	341 059	270 057	0	150 491	173 849	177 463 276	179 324 642
	Sub-total	**20 223 582**	**37 256**	**631 907**	**270 057**	**481 827**	**1 565 064**	**9 039 825**	**184 376 409**	**216 625 928**
Rwanda		**1 685 582 857**	**38 177 114**	**138 158 171**	**7 642 062**	**136 509 547**	**24 226 913**	**182 790 373**	**715 243 379**	**2 928 330 416**

A 4.3.6b2. Agricultural households' expenditure (%) on pesticides by province and district during Season 2008B

Province	District	Dithane	Dursban	Sumicombi	Copper oxychloride	Ridomil	DDT	Thiodan	Other	Pesticides Total
Kigali City	Nyarugenge	39.9%	0.0%	12.9%	1.5%	3.6%	1.3%	40.2%	0.6%	100%
	Gasabo	38.5%	8.1%	14.8%	0.3%	6.0%	2.7%	12.8%	16.9%	100%
	Kicukiro	64.1%	2.2%	15.4%	0.0%	6.2%	0.0%	4.2%	7.9%	100%
	Sub-total	**43.1%**	**6.1%**	**14.7%**	**0.4%**	**5.7%**	**2.0%**	**14.5%**	**13.4%**	**100%**
South	Nyanza	52.6%	0.3%	38.1%	0.0%	3.4%	1.1%	0.4%	4.2%	100%
	Gisagara	53.0%	0.1%	13.1%	0.2%	3.6%	3.4%	20.7%	5.8%	100%
	Nyaruguru	85.1%	0.0%	1.0%	0.0%	6.2%	0.2%	6.8%	0.7%	100%
	Huye	68.5%	4.2%	0.7%	0.2%	8.2%	0.0%	2.2%	16.1%	100%
	Nyamagabe	64.2%	1.8%	16.7%	0.6%	5.7%	0.0%	4.5%	6.6%	100%
	Ruhango	54.1%	4.2%	16.7%	1.3%	3.8%	0.2%	13.2%	6.5%	100%
	Muhanga	85.8%	0.8%	0.7%	0.0%	6.1%	0.0%	6.1%	0.5%	100%
	Kamonyi	79.9%	0.2%	8.1%	0.1%	4.5%	0.0%	1.8%	5.4%	100%
	Sub-total	**73.1%**	**1.7%**	**6.2%**	**0.2%**	**6.1%**	**0.3%**	**5.8%**	**6.6%**	**100%**
West	Karongi	50.0%	1.4%	6.4%	0.5%	2.8%	5.2%	20.0%	13.8%	100%
	Ngororero	11.8%	0.2%	1.2%	0.2%	1.3%	1.8%	4.6%	78.9%	100%
	Nyabihu	92.2%	0.1%	0.0%	0.0%	2.8%	0.0%	4.7%	0.2%	100%
	Rubavu	74.7%	2.8%	0.3%	1.3%	11.4%	0.0%	1.2%	8.3%	100%
	Rutsiro	58.8%	0.0%	11.2%	0.0%	12.8%	0.0%	17.3%	0.0%	100%
	Rusizi	47.7%	0.0%	44.0%	3.7%	0.0%	0.0%	0.0%	4.6%	100%
	Nyamasheke	47.3%	46.7%	6.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
	Sub-total	**39.7%**	**0.7%**	**2.6%**	**0.4%**	**3.0%**	**1.7%**	**6.7%**	**45.2%**	**100%**
North	Rulindo	77.0%	0.0%	5.9%	0.0%	0.0%	0.0%	15.7%	1.4%	100%
	Gakenke	31.8%	0.0%	18.6%	0.0%	0.0%	0.4%	48.9%	0.2%	100%
	Musanze	90.2%	0.4%	0.1%	0.0%	4.3%	0.0%	4.3%	0.6%	100%
	Burera	84.3%	0.0%	7.8%	0.0%	1.9%	0.0%	1.2%	4.7%	100%
	Gicumbi	57.7%	0.0%	2.3%	0.0%	39.1%	0.4%	0.5%	0.0%	100%
	Sub-total	**84.0%**	**0.3%**	**2.7%**	**0.0%**	**5.5%**	**0.0%**	**6.2%**	**1.3%**	**100%**
East	Bugesera	0.0%	0.0%	0.0%	0.0%	0.0%	80.0%	20.0%	0.0%	100%
	Rwamagana	58.0%	0.3%	0.0%	0.0%	0.0%	2.2%	16.0%	23.6%	100%
	Gatsibo	55.9%	0.0%	0.0%	0.0%	0.0%	0.0%	39.5%	4.6%	100%
	Kayonza	65.2%	0.0%	3.7%	0.0%	0.0%	3.4%	2.4%	25.3%	100%
	Kirehe	28.6%	0.0%	0.0%	0.0%	0.0%	1.0%	41.5%	29.0%	100%
	Ngoma	16.7%	0.0%	0.4%	0.0%	11.1%	16.8%	36.6%	18.4%	100%
	Nyagatare	0.5%	0.0%	0.2%	0.2%	0.0%	0.1%	0.1%	99.0%	100%
	Sub-total	**9.3%**	**0.0%**	**0.3%**	**0.1%**	**0.2%**	**0.7%**	**4.2%**	**85.1%**	**100%**
Rwanda		**57.6%**	**1.3%**	**4.7%**	**0.3%**	**4.7%**	**0.8%**	**6.2%**	**24.4%**	**100%**

A 4.3.7a. Crops production (in tons) by Province and District during Season 2008A

Province	District	Cereals					Tubers						
		Sorghum	Maize Grains	Wheat	Rice	**Cereals Total**	Mild Cassava	Fresh bitter Cassava	Sweet potato	Irish potato	Taro	Yam	**Tubers Total**
Kigali City	Nyarugenge	151	54	0	1	**206**	1 004	8 988	1 855	351	304	0	**12 502**
	Gasabo	227	251	4	212	**694**	2 258	7 928	7 534	2 097	593	1	**20 411**
	Kicukiro	0	20	0	15	**35**	530	2 824	2 008	29	268	0	**5 659**
	Sub-total	**379**	**325**	**4**	**228**	**935**	**3 793**	**19 740**	**11 397**	**2 477**	**1 164**	**1**	**38 572**
South	Nyanza	548	540	165	388	**1 641**	3 176	16 500	11 446	3 079	414	21	**34 636**
	Gisagara	290	546	0	1 770	**2 606**	1 072	8 704	27 265	2 510	174	35	**39 760**
	Nyaruguru	0	682	135	61	**878**	1 886	16 036	51 511	5 317	814	7	**75 571**
	Huye	14	86	35	867	**1 003**	4 200	20 012	25 093	5 448	411	0	**55 164**
	Nyamagabe	4	336	16	231	**587**	5 949	15 948	45 782	5 384	434	1	**73 498**
	Ruhango	107	274	0	336	**717**	5 129	24 552	25 322	3 305	574	25	**58 907**
	Muhanga	11	184	17	17	**228**	8 266	58 748	30 699	1 940	3 362	26	**103 041**
	Kamonyi	85	1 382	0	104	**1 570**	3 881	37 460	17 205	2 650	1 715	42	**62 953**
	Sub-total	**1 058**	**4 030**	**369**	**3 774**	**9 230**	**33 560**	**197 956**	**234 323**	**29 634**	**7 899**	**157**	**503 529**
West	Karongi	55	952	37	0	**1 045**	8 177	8 604	32 039	3 472	1 212	2	**53 506**
	Ngororero	95	1 616	238	27	**1 976**	7 849	7 692	27 007	17 415	1 403	0	**61 366**
	Nyabihu	861	4 235	255	0	**5 351**	204	1 152	12 494	60 788	105	3	**74 746**
	Rubavu	71	1 991	4	0	**2 066**	192	0	4 678	45 517	98	8	**50 493**
	Rutsiro	66	3 554	130	0	**3 749**	1 664	4 828	17 340	16 046	791	47	**40 716**
	Rusizi	95	4 548	4	4 058	**8 704**	421	19 852	10 288	1 317	237	182	**32 297**
	Nyamasheke	75	1 116	10	66	**1 267**	2 358	33 900	41 457	1 653	307	127	**79 802**
	Sub-total	**1 318**	**18 012**	**677**	**4 151**	**24 158**	**20 864**	**76 028**	**145 302**	**146 207**	**4 154**	**369**	**392 924**
North	Rulindo	297	295	27	0	**619**	3 545	5 736	20 998	2 591	463	14	**33 347**
	Gakenke	79	1 018	8	50	**1 154**	4 576	9 332	42 585	3 268	3 291	0	**63 052**
	Musanze	1 599	2 786	158	35	**4 579**	1 747	1 164	17 472	34 304	639	0	**55 326**
	Burera	1 502	1 496	326	0	**3 325**	278	1 576	22 772	40 611	116	0	**65 353**
	Gicumbi	336	392	217	11	**956**	1 823	1 384	37 506	8 508	619	3	**49 843**
	Sub-total	**3 813**	**5 987**	**737**	**96**	**10 633**	**11 969**	**19 192**	**141 333**	**89 283**	**5 129**	**17**	**266 923**
East	Bugesera	1 055	1 119	182	389	**2 745**	4 408	19 104	18 795	1 267	228	105	**43 907**
	Rwamagana	92	2 449	149	228	**2 918**	3 878	17 904	19 464	5 105	919	2	**47 272**
	Gatsibo	3 486	2 804	0	205	**6 495**	2 054	3 160	14 637	7 158	340	0	**27 349**
	Kayonza	706	989	2	104	**1 802**	1 928	9 728	8 269	6 025	463	1	**26 414**
	Kirehe	150	1 609	1	485	**2 245**	2 649	10 112	8 552	2 548	2 379	58	**26 298**
	Ngoma	698	1 282	2	625	**2 608**	3 157	18 600	17 422	8 778	1 190	1	**49 148**
	Nyagatare	13 020	10 903	10	1 569	**25 503**	5 796	5 396	7 106	3 426	337	0	**22 061**
	Sub-total	**19 208**	**21 155**	**346**	**3 606**	**44 314**	**23 871**	**84 008**	**94 244**	**34 307**	**5 857**	**168**	**242 455**
Total		**25 775**	**49 508**	**2 133**	**11 854**	**89 271**	**94 055**	**396 924**	**626 599**	**301 907**	**24 203**	**711**	**1 444 399**

A 4.3.7a. Crops production (in tons) by Province and District during Season 2008A

Province	District	Pulses				Oilcrops				
		Bush beans	Climbing beans	Peas	**Pulses Total**	Soybean	Groundnut	Sunflower	**Oilcrops Total**	**Sugar cane**
Kigali City	Nyarugenge	692	42	67	**802**	30	7	0	**37**	0
	Gasabo	3 618	23	115	**3 756**	87	118	23	**228**	23
	Kicukiro	743	11	5	**760**	14	30	0	**44**	35
	Sub-total	**5 053**	**76**	**188**	**5 317**	**131**	**155**	**23**	**309**	**58**
South	Nyanza	4 467	439	194	**5 100**	235	560	26	**821**	18
	Gisagara	5 476	166	70	**5 712**	510	265	246	**1 022**	77
	Nyaruguru	1 246	2 164	259	**3 668**	101	0	5	**106**	23
	Huye	3 308	387	176	**3 871**	202	65	57	**323**	29
	Nyamagabe	1 782	1 619	370	**3 771**	119	0	16	**135**	13
	Ruhango	3 482	310	136	**3 928**	232	282	56	**570**	67
	Muhanga	1 436	1 635	321	**3 392**	402	46	2	**450**	834
	Kamonyi	3 669	1 169	226	**5 064**	513	602	3	**1 118**	57
	Sub-total	**24 867**	**7 887**	**1 752**	**34 507**	**2 314**	**1 821**	**410**	**4 546**	**1 118**
West	Karongi	4 477	1 479	371	**6 326**	308	5	0	**313**	142
	Ngororero	260	4 734	226	**5 220**	291	0	3	**294**	556
	Nyabihu	20	3 459	703	**4 182**	0	0	0	**0**	95
	Rubavu	29	3 092	36	**3 158**	11	0	0	**11**	1 547
	Rutsiro	398	2 989	120	**3 507**	170	0	0	**170**	1 708
	Rusizi	4 180	339	38	**4 558**	502	41	2	**545**	252
	Nyamasheke	2 294	1 965	147	**4 406**	960	95	0	**1 056**	6 546
	Sub-total	**11 659**	**18 057**	**1 642**	**31 357**	**2 242**	**141**	**5**	**2 388**	**10 846**
North	Rulindo	4 464	2 375	339	**7 178**	192	58	0	**250**	268
	Gakenke	461	6 210	141	**6 812**	123	38	3	**163**	2 982
	Musanze	83	4 837	228	**5 148**	4	0	3	**8**	504
	Burera	616	5 919	529	**7 063**	0	0	1	**2**	140
	Gicumbi	3 995	3 940	796	**8 732**	23	24	4	**50**	262
	Sub-total	**9 618**	**23 281**	**2 033**	**34 933**	**342**	**119**	**12**	**473**	**4 157**
East	Bugesera	5 393	20	46	**5 459**	125	435	18	**578**	50
	Rwamagana	7 113	51	175	**7 338**	127	451	357	**935**	305
	Gatsibo	10 822	146	305	**11 273**	109	689	39	**836**	559
	Kayonza	5 898	3	225	**6 126**	92	314	96	**501**	31
	Kirehe	5 314	1 259	81	**6 654**	108	284	11	**403**	95
	Ngoma	6 840	1 011	64	**7 914**	128	1 458	190	**1 775**	117
	Nyagatare	11 207	83	103	**11 394**	131	1 765	9	**1 905**	14 090
	Sub-total	**52 587**	**2 573**	**998**	**56 157**	**820**	**5 395**	**720**	**6 935**	**15 247**
Total		**103 784**	**51 874**	**6 612**	**162 270**	**5 850**	**7 632**	**1 170**	**14 652**	**31 426**

A 4.3.7a. Crops production (in tons) by Province and District during Season 2008A

Province	District	Green beans	Fresh beans	Fresh peas	Maize fresh ear	Cauliflower	Cabbage	Tomato	Carrot	Cucumber	Beetroot	Lettuce	Spinach	Culin garlic
Kigali City	Nyarugenge	2	53	0	300	0	3	365	0	5	0	0	12	0
	Gasabo	11	468	18	480	0	1 148	737	9	149	0	0	3	0
	Kicukiro	30	87	2	128	0	9	103	0	0	0	0	0	0
	Sub-total	**42**	**608**	**20**	**908**	**0**	**1 160**	**1 205**	**9**	**153**	**0**	**0**	**15**	**0**
South	Nyanza	7	125	31	146	0	1 768	763	15	0	0	0	0	11
	Gisagara	39	535	33	491	2	4 477	994	41	0	0	0	21	0
	Nyaruguru	8	668	151	472	7	1 535	129	39	0	0	0	1	0
	Huye	37	665	38	621	0	1 114	693	29	0	0	0	2	0
	Nyamagabe	60	1 365	524	1 021	10	1 879	44	108	1	3	4	1	0
	Ruhango	18	489	93	1 083	0	1 054	882	20	0	0	0	2	0
	Muhanga	39	859	121	261	1	846	999	85	6	0	0	8	0
	Kamonyi	14	447	87	439	0	473	1 050	82	6	2	0	10	0
	Sub-total	**222**	**5 155**	**1 079**	**4 534**	**19**	**13 145**	**5 553**	**417**	**13**	**5**	**4**	**45**	**11**
West	Karongi	13	757	29	1 018	2	2 452	325	90	0	17	0	5	3
	Ngororero	260	1 654	107	1 183	0	3 030	181	1	3	0	0	14	0
	Nyabihu	25	2 171	440	1 707	57	562	65	0	0	0	0	4	0
	Rubavu	230	1 742	15	1 791	156	4 380	98	406	0	1	0	6	42
	Rutsiro	118	1 067	141	1 380	8	1 939	87	2	115	0	0	0	0
	Rusizi	5	858	7	1 007	0	754	1 567	5	1	0	0	1	0
	Nyamasheke	17	214	13	1 013	0	1 480	438	49	0	0	0	1	2
	Sub-total	**667**	**8 463**	**753**	**9 099**	**223**	**14 597**	**2 762**	**553**	**119**	**18**	**0**	**31**	**47**
North	Rulindo	32	938	179	297	2	1 357	826	323	0	13	0	9	10
	Gakenke	9	1 803	106	1 149	0	1 024	1 063	39	1	0	57	2	0
	Musanze	76	2 032	62	2 401	35	2 267	1 567	547	0	0	5	16	9
	Burera	63	2 208	238	765	0	577	129	18	1	0	0	31	3
	Gicumbi	98	1 258	262	998	5	2 436	659	219	0	0	0	0	0
	Sub-total	**277**	**8 239**	**846**	**5 611**	**42**	**7 662**	**4 245**	**1 147**	**2**	**13**	**62**	**58**	**22**
East	Bugesera	6	188	1	395	0	189	691	2	0	0	0	0	0
	Rwamagana	13	344	4	779	1	716	1 271	18	1	0	0	14	0
	Gatsibo	64	1 194	120	992	4	245	569	7	0	0	0	0	0
	Kayonza	2	511	10	1 446	0	371	1 124	32	0	3	0	14	0
	Kirehe	1	751	18	578	0	409	1 048	29	0	69	0	0	0
	Ngoma	1	605	2	407	0	399	2 280	0	0	0	0	0	0
	Nyagatare	4	650	8	737	0	183	970	4	4	0	0	0	0
	Sub-total	**91**	**4 243**	**163**	**5 335**	**5**	**2 514**	**7 952**	**92**	**5**	**72**	**0**	**28**	**0**
Total		**1 300**	**26 707**	**2 861**	**25 487**	**289**	**39 079**	**21 717**	**2 219**	**292**	**108**	**67**	**176**	**81**

A 4.3.7a. Crops production (in tons) by Province and District during Season 2008A

Province	**District**	Eggplant	Squash, Pumpkin, Marrow	Onion	Okro	Leek	Sweet pepper	Celery	Parsley	Chillies (Pili-pili)	Mushroom	Vegetables dodo	Sombe	Moringa	**Vegetables Total**
Kigali City	Nyarugenge	369	8	2	0	2	4	0	0	0	0	210	84	0	1 419
	Gasabo	1 259	168	8	0	1	35	1	0	7	43	240	178	0	4 962
	Kicukiro	318	40	0	0	0	26	0	1	1	1	384	30	0	1 161
	Sub-total	**1 946**	**216**	**10**	**0**	**3**	**65**	**1**	**1**	**8**	**44**	**834**	**293**	**0**	**7 541**
South	Nyanza	200	114	453	0	0	2	0	3	0	7	432	64	0	4 140
	Gisagara	457	488	35	0	3	3	0	0	2	39	512	156	0	8 327
	Nyaruguru	740	90	87	0	0	9	1	0	1	142	505	376	0	4 960
	Huye	554	268	55	0	0	16	0	0	6	22	520	116	0	4 757
	Nyamagabe	388	757	26	0	4	0	1	0	8	1 286	372	167	3	8 030
	Ruhango	170	149	114	0	3	6	0	0	27	60	420	119	0	4 709
	Muhanga	704	280	51	0	37	8	1	0	4	77	760	721	0	5 868
	Kamonyi	226	91	400	0	29	94	0	15	95	14	807	178	0	4 558
	Sub-total	**3 439**	**2 236**	**1 221**	**0**	**75**	**138**	**3**	**18**	**144**	**1 648**	**4 326**	**1 896**	**3**	**45 350**
West	Karongi	890	597	29	0	403	47	15	0	25	136	337	143	0	7 333
	Ngororero	312	866	161	0	1	4	11	0	36	119	878	379	0	9 201
	Nyabihu	53	158	9	0	3	1	0	0	0	89	300	25	0	5 667
	Rubavu	46	216	1 400	0	443	124	28	0	7	15	351	84	0	11 581
	Rutsiro	140	976	24	7	0	32	0	0	0	260	572	362	0	7 231
	Rusizi	286	229	139	0	21	13	4	0	19	40	826	165	0	5 946
	Nyamasheke	618	210	62	0	2	4	5	0	19	39	1 408	567	0	6 161
	Sub-total	**2 344**	**3 252**	**1 824**	**7**	**873**	**224**	**63**	**0**	**105**	**698**	**4 672**	**1 724**	**0**	**53 120**
North	Rulindo	603	263	174	0	52	20	81	0	30	219	1 069	359	0	6 857
	Gakenke	662	661	21	0	16	6	0	0	12	603	608	468	0	8 313
	Musanze	760	3 731	47	0	6	7	1	0	43	20	764	76	0	14 471
	Burera	41	771	870	0	3	0	62	0	2	196	844	129	0	6 953
	Gicumbi	482	3 143	147	0	124	38	31	0	60	626	1 465	556	0	12 607
	Sub-total	**2 548**	**8 570**	**1 258**	**0**	**201**	**70**	**176**	**1**	**148**	**1 664**	**4 750**	**1 588**	**0**	**49 202**
East	Bugesera	181	562	335	0	0	0	0	0	10	14	167	27	1	2 770
	Rwamagana	1 036	589	484	0	11	509	47	0	4	5	1 136	155	1	7 137
	Gatsibo	226	338	89	1	0	0	2	0	1	20	360	9	1	4 242
	Kayonza	120	107	20	0	0	0	1	0	1	15	521	23	1	4 321
	Kirehe	147	128	192	0	1	14	1	0	0	21	312	32	5	3 755
	Ngoma	133	143	4	0	190	48	1	0	36	6	260	80	0	4 593
	Nyagatare	34	590	40	0	0	5	0	0	0	1	321	24	0	3 577
	Sub-total	**1 876**	**2 456**	**1 164**	**1**	**203**	**575**	**51**	**0**	**52**	**82**	**3 076**	**351**	**8**	**30 395**
Total		**12 153**	**16 731**	**5 477**	**8**	**1 355**	**1 072**	**294**	**20**	**457**	**4 135**	**17 659**	**5 852**	**11**	**185 608**

A 4.3.7a. Crops production (in tons) by Province and District during Season 2008A

Province	District	Cooking banana	Beer banana	Banana Kamara	Other fruit bananas	Orange	Lemon	Mango	Guava	Passion fruit	Pineapple	Strawberry	Papaya	Avocado (normal)	Avocado haas	Japanese plum	Gaperi	Fruits Total
Kigali City	Nyarugenge	1 457	8 038	238	72	0	0	40	4	0	12	0	23	204	0	0	0	**10 089**
	Gasabo	5 114	7 429	526	1 677	9	28	207	30	3	50	0	71	1 914	231	0	0	**17 289**
	Kicukiro	2 735	3 593	22	249	1	3	97	10	0	72	0	93	121	0	3	0	**6 998**
	Sub-total	**9 306**	**19 060**	**787**	**1 998**	**10**	**32**	**343**	**43**	**3**	**134**	**0**	**187**	**2 239**	**231**	**3**	**0**	**34 376**
South	Nyanza	3 420	3 341	62	486	10	14	165	1	0	61	0	64	1 084	0	0	0	**8 708**
	Gisagara	4 342	10 808	724	701	12	44	469	96	1	124	0	231	3 547	37	4	0	**21 140**
	Nyaruguru	2 508	5 238	175	422	10	9	72	388	0	31	0	11	3 196	104	30	8	**12 202**
	Huye	2 629	4 468	197	674	11	20	12	13	0	12	0	59	2 870	9	6	0	**10 979**
	Nyamagabe	4 562	8 223	741	383	21	4	13	0	0	192	0	26	1 961	309	14	2	**16 450**
	Ruhango	4 643	9 074	106	2 461	7	15	343	54	1	181	0	132	1 213	0	3	0	**18 234**
	Muhanga	6 969	35 338	635	4 230	21	27	31	57	0	685	0	62	1 681	39	41	0	**49 818**
	Kamonyi	4 979	12 988	108	670	4	68	392	215	0	508	0	120	2 372	34	0	1	**22 461**
	Sub-total	**34 052**	**89 478**	**2 748**	**10 027**	**95**	**201**	**1 497**	**825**	**3**	**1 793**	**0**	**705**	**17 925**	**533**	**100**	**11**	**159 992**
West	Karongi	7 940	23 070	726	1 711	0	62	21	48	0	57	0	58	2 328	5	6	0	**36 034**
	Ngororero	5 822	28 799	1 109	4 998	0	80	72	43	0	180	0	343	1 485	21	389	12	**43 354**
	Nyabihu	737	3 554	154	402	0	2	0	7	2	0	0	40	517	92	16	0	**5 522**
	Rubavu	2 178	10 620	255	183	0	0	4	37	0	0	3	73	990	97	32	0	**14 472**
	Rutsiro	4 555	24 229	765	423	23	14	51	0	0	44	0	20	621	0	350	0	**31 096**
	Rusizi	8 665	14 589	208	2 496	2	7	1 168	10	0	12	0	86	1 433	0	29	0	**28 705**
	Nyamasheke	14 843	23 756	560	453	25	16	137	3	1	193	0	41	1 878	0	31	0	**41 938**
	Sub-total	**44 740**	**128 617**	**3 777**	**10 666**	**51**	**181**	**1 453**	**148**	**3**	**486**	**4**	**661**	**9 253**	**215**	**853**	**12**	**201 121**
North	Rulindo	5 606	12 383	900	890	0	30	177	31	16	60	0	62	2 418	7	14	1	**22 594**
	Gakenke	9 642	31 256	1 280	2 820	31	17	71	114	1	373	14	94	2 101	119	50	3	**47 984**
	Musanze	9 020	23 846	1 610	2 942	24	5	2	90	30	0	0	1 329	756	17	38	86	**39 794**
	Burera	14 303	20 063	571	938	2	0	3	13	0	0	0	66	878	57	91	13	**36 998**
	Gicumbi	10 917	16 180	1 511	778	2	30	166	14	0	5	0	707	1 613	25	75	30	**32 052**
	Sub-total	**49 488**	**103 727**	**5 871**	**8 368**	**58**	**82**	**419**	**262**	**46**	**438**	**14**	**2 257**	**7 766**	**225**	**267**	**134**	**179 421**
East	Bugesera	11 194	14 125	17	339	12	29	639	39	0	196	0	113	2 453	195	5	0	**29 355**
	Rwamagana	32 414	34 465	1 405	4 526	12	7	227	187	34	294	0	530	2 732	42	128	0	**77 004**
	Gatsibo	26 754	14 949	581	1 636	1	1	313	7	0	100	0	111	1 463	70	11	0	**45 998**
	Kayonza	16 296	4 992	139	393	2	0	105	18	0	105	0	78	485	6	2	0	**22 621**
	Kirehe	86 198	39 429	1 509	328	92	54	370	33	2	3 026	0	677	1 515	0	3	0	**133 237**
	Ngoma	37 343	21 815	1 908	715	1	19	140	1	1	114	0	257	931	1	79	0	**63 324**
	Nyagatare	32 277	16 023	671	404	1	111	123	4	0	1 163	2	162	544	0	0	0	**51 485**
	Sub-total	**242 476**	**145 799**	**6 229**	**8 340**	**121**	**222**	**1 916**	**289**	**37**	**5 000**	**2**	**1 927**	**10 123**	**314**	**228**	**0**	**423 024**
Total		**380 062**	**486 681**	**19 412**	**39 399**	**335**	**718**	**5 629**	**1 566**	**92**	**7 851**	**19**	**5 738**	**47 306**	**1 518**	**1 452**	**157**	**997 934**

A 4.3.7a. Crops production (in tons) by Province and District during Season 2008A

Province	District	Dwarf pepper	Vanilla	Spices Total	Coffee	Tea	Stimulants Total	Tobacco	Pyrethrum	Geranium	Macadamia	Mulberry tree / Iboberi	Pacuri	Trade flowers	Ornamental flowers	Other Total
Kigali City	Nyarugenge	1	0	**1**	1	0	**1**	0	0	0	0	0	0	0	1	**1**
	Gasabo	6	0	**6**	8	0	**8**	0	0	0	8	0	0	0	2	**11**
	Kicukiro	44	0	**44**	0	0	**0**	0	0	0	0	0	0	0	0	**0**
	Sub-total	**51**	**0**	**51**	**9**	**0**	**9**	**0**	**0**	**0**	**8**	**0**	**0**	**0**	**3**	**12**
South	Nyanza	6	10	**16**	59	0	**59**	4	0	0	4	0	0	1	3	**12**
	Gisagara	1	0	**1**	27	0	**27**	766	0	0	0	0	0	2	9	**777**
	Nyaruguru	1	0	**1**	29	1 715	**1 744**	6	0	0	2	1	8	3	2	**22**
	Huye	7	0	**7**	2	0	**2**	0	0	0	1	0	0	0	17	**18**
	Nyamagabe	0	0	**0**	22	2 641	**2 662**	0	0	0	3	3	0	1	0	**7**
	Ruhango	5	0	**5**	159	0	**159**	14	0	0	0	0	1	0	1	**16**
	Muhanga	12	0	**12**	114	0	**114**	2	0	5	1	0	0	0	0	**9**
	Kamonyi	11	0	**11**	84	0	**84**	7	0	0	2	0	4	0	4	**17**
	Sub-total	**43**	**10**	**53**	**497**	**4 356**	**4 853**	**798**	**0**	**5**	**12**	**4**	**14**	**7**	**37**	**877**
West	Karongi	4	0	**4**	126	1 067	**1 193**	17	0	0	3	0	0	0	0	**20**
	Ngororero	16	0	**16**	12	101	**113**	2	0	2	2	1	0	0	16	**23**
	Nyabihu	0	0	**0**	2	0	**2**	37	89	0	0	0	0	0	0	**126**
	Rubavu	0	1	**1**	219	131	**349**	5	8	0	0	0	1	0	1	**15**
	Rutsiro	10	0	**10**	1 853	101	**1 954**	6	0	0	1	0	0	1	0	**9**
	Rusizi	1	0	**1**	7	502	**509**	2	0	0	0	0	3	0	0	**6**
	Nyamasheke	5	0	**5**	287	1 305	**1 592**	0	0	2	1	0	0	4	1	**8**
	Sub-total	**36**	**1**	**36**	**2 506**	**3 207**	**5 713**	**70**	**98**	**3**	**7**	**1**	**4**	**5**	**18**	**206**
North	Rulindo	27	0	**27**	48	114	**162**	0	0	0	0	0	0	0	1	**2**
	Gakenke	13	0	**13**	118	0	**118**	3	0	0	0	0	9	2	2	**15**
	Musanze	13	0	**13**	0	0	**0**	9	154	9	0	0	0	1	0	**173**
	Burera	11	0	**11**	1	1	**1**	8	15	1	0	0	0	0	0	**24**
	Gicumbi	89	0	**89**	28	1 785	**1 813**	55	0	0	0	0	37	32	1	**125**
	Sub-total	**153**	**0**	**153**	**194**	**1 900**	**2 094**	**75**	**169**	**10**	**0**	**0**	**45**	**35**	**5**	**340**
East	Bugesera	38	0	**38**	0	0	**0**	1	0	0	0	0	0	0	0	**1**
	Rwamagana	17	0	**17**	26	0	**26**	6	0	1	2	0	2	0	8	**20**
	Gatsibo	3	0	**3**	22	0	**22**	5	1	0	0	0	0	1	0	**8**
	Kayonza	1	0	**1**	23	0	**23**	1	2	0	0	9	0	0	0	**13**
	Kirehe	6	0	**6**	15	0	**15**	2	2	0	0	0	0	0	1	**5**
	Ngoma	143	0	**143**	35	0	**35**	4	0	0	0	0	0	0	1	**5**
	Nyagatare	3	0	**3**	0	0	**0**	18	0	0	0	0	0	1	0	**19**
	Sub-total	**211**	**0**	**211**	**122**	**0**	**122**	**37**	**6**	**1**	**2**	**10**	**3**	**2**	**9**	**70**
Total		**495**	**10**	**505**	**3 329**	**9 463**	**12 792**	**981**	**272**	**20**	**29**	**16**	**66**	**49**	**72**	**1 505**

A 4.3.7b. Crops production (in tons) by Province and District during Season 2008B

		Cereals					Tubers						
Province	**District**	Sorghum	Maize Grains	Wheat	Rice	**Cereals Total**	Mild Cassava	Fresh bitter Cassava	Sweet potato	Irish potato	Taro	Yam	**Tubers Total**
Kigali City	Nyarugenge	525	17	0	0	**542**	446	4 527	1 562	259	81	0	**6 875**
	Gasabo	1 481	254	0	492	**2 228**	2 246	6 792	4 480	1 505	612	1	**15 637**
	Kicukiro	349	48	0	0	**397**	256	2 159	1 742	33	142	3	**4 335**
	Sub-total	**2 355**	**319**	**0**	**492**	**3 167**	**2 948**	**13 478**	**7 784**	**1 797**	**835**	**4**	**26 846**
South	Nyanza	5 445	278	149	667	**6 539**	2 859	27 329	14 384	1 748	1 413	126	**47 859**
	Gisagara	3 297	926	0	3 731	**7 954**	2 764	11 804	20 855	1 267	2 261	57	**39 007**
	Nyaruguru	2 557	480	612	138	**3 787**	1 739	15 558	34 519	4 014	1 569	18	**57 417**
	Huye	2 829	142	0	971	**3 943**	3 910	13 580	20 781	2 805	1 306	122	**42 503**
	Nyamagabe	1 552	415	1 187	753	**3 907**	4 864	12 990	34 378	5 328	16 706	188	**74 455**
	Ruhango	2 136	473	3	1 101	**3 714**	5 857	33 487	20 434	1 873	1 922	127	**63 700**
	Muhanga	113	428	7	266	**813**	5 414	53 566	23 073	1 432	8 270	109	**91 865**
	Kamonyi	5 046	133	2	810	**5 991**	2 914	43 748	13 031	2 628	1 958	129	**64 409**
	Sub-total	**22 975**	**3 276**	**1 961**	**8 437**	**36 649**	**30 321**	**212 062**	**181 456**	**21 095**	**35 406**	**877**	**481 215**
West	Karongi	2 168	602	127	0	**2 897**	5 001	6 690	20 868	3 321	3 124	53	**39 058**
	Ngororero	213	667	370	6	**1 256**	6 386	7 099	23 792	11 889	6 422	17	**55 606**
	Nyabihu	1 230	1 941	478	0	**3 649**	183	985	14 292	75 391	468	0	**91 319**
	Rubavu	100	1 303	12	0	**1 416**	1	39	4 323	61 739	349	0	**66 449**
	Rutsiro	400	2 145	37	0	**2 582**	2 861	14 673	15 369	14 439	2 127	35	**49 504**
	Rusizi	91	1 294	5	4 800	**6 189**	346	32 634	11 053	714	1 959	525	**47 232**
	Nyamasheke	113	399	176	1 030	**1 718**	2 707	24 738	22 573	1 398	1 455	366	**53 236**
	Sub-total	**4 315**	**8 350**	**1 205**	**5 836**	**19 707**	**17 486**	**86 859**	**112 270**	**168 891**	**15 904**	**996**	**402 405**
North	Rulindo	1 629	136	55	10	**1 830**	2 710	10 002	18 718	3 049	770	26	**35 276**
	Gakenke	412	925	62	177	**1 576**	3 942	8 130	38 565	3 027	5 339	102	**59 104**
	Musanze	2 118	727	207	0	**3 052**	670	900	15 976	49 181	1 158	35	**67 920**
	Burera	3 659	1 371	2 026	3	**7 059**	278	42	19 007	46 324	266	0	**65 917**
	Gicumbi	3 711	207	394	1	**4 314**	1 787	1 394	23 913	8 488	726	0	**36 308**
	Sub-total	**11 530**	**3 365**	**2 745**	**191**	**17 831**	**9 387**	**20 468**	**116 179**	**110 069**	**8 259**	**163**	**264 525**
East	Bugesera	3 117	692	10	396	**4 214**	2 647	13 156	8 256	796	320	280	**25 455**
	Rwamagana	6 489	870	0	27	**7 386**	2 464	12 624	16 978	4 356	1 900	16	**38 337**
	Gatsibo	9 505	3 011	122	2 010	**14 648**	3 734	4 146	18 888	5 494	945	10	**33 217**
	Kayonza	5 519	677	1	77	**6 275**	1 953	9 779	9 813	4 961	17 465	8	**43 979**
	Kirehe	5 853	4 229	15	631	**10 728**	2 635	14 911	10 198	2 259	3 400	71	**33 474**
	Ngoma	4 502	1 093	6	635	**6 236**	2 778	14 924	14 693	3 411	1 630	37	**37 475**
	Nyagatare	11 211	4 044	50	805	**16 111**	3 963	4 840	11 172	1 473	341	1	**21 790**
	Sub-total	**46 197**	**14 616**	**204**	**4 581**	**65 598**	**20 174**	**74 379**	**89 998**	**22 750**	**26 001**	**424**	**233 727**
Total		**87 371**	**29 927**	**6 114**	**19 539**	**142 952**	**80 316**	**407 246**	**507 687**	**324 602**	**86 404**	**2 463**	**1 408 718**

A 4.3.7b. Crops production (in tons) by Province and District during Season 2008B

Province	District	Bush beans	Climbing beans	Peas	Pulses Total	Soybean	Groundnut	Sunflower	Oleaginous Total	Sugar cane
Kigali City	Nyarugenge	602	48	33	**683**	39	5	0	**44**	0
	Gasabo	1 966	39	70	**2 075**	101	132	8	**241**	42
	Kicukiro	571	51	11	**634**	4	77	2	**83**	26
	Sub-total	**3 140**	**139**	**114**	**3 393**	**144**	**215**	**10**	**368**	**67**
South	Nyanza	4 446	648	275	**5 369**	220	1 072	40	**1 331**	6
	Gisagara	7 061	166	229	**7 456**	385	337	221	**943**	151
	Nyaruguru	620	2 018	269	**2 907**	154	3	10	**168**	56
	Huye	3 192	977	207	**4 377**	305	237	117	**658**	12
	Nyamagabe	973	2 585	346	**3 905**	204	16	2	**222**	21
	Ruhango	5 106	426	245	**5 777**	389	578	76	**1 043**	18
	Muhanga	1 575	1 298	227	**3 100**	480	130	14	**623**	492
	Kamonyi	3 562	1 009	230	**4 801**	619	809	5	**1 433**	44
	Sub-total	**26 535**	**9 128**	**2 029**	**37 692**	**2 756**	**3 181**	**485**	**6 422**	**800**
West	Karongi	3 337	1 091	268	**4 696**	287	13	1	**300**	41
	Ngororero	64	2 333	211	**2 607**	246	4	5	**255**	416
	Nyabihu	128	2 199	558	**2 885**	0	0	1	**1**	21
	Rubavu	134	3 896	2 122	**6 152**	7	0	3	**10**	2 056
	Rutsiro	873	2 103	201	**3 177**	273	0	0	**273**	1 600
	Rusizi	2 900	366	46	**3 312**	312	209	1	**522**	1 457
	Nyamasheke	1 305	1 817	100	**3 222**	635	98	10	**743**	1 180
	Sub-total	**8 740**	**13 804**	**3 507**	**26 051**	**1 759**	**324**	**21**	**2 104**	**6 769**
North	Rulindo	1 583	574	95	**2 252**	137	51	2	**189**	3 281
	Gakenke	323	4 799	135	**5 257**	118	85	0	**204**	2 032
	Musanze	57	5 127	94	**5 278**	10	0	0	**10**	768
	Burera	500	4 538	257	**5 295**	1	0	1	**2**	82
	Gicumbi	1 958	3 583	379	**5 920**	24	120	4	**147**	6 796
	Sub-total	**4 422**	**18 621**	**960**	**24 003**	**289**	**256**	**7**	**551**	**12 960**
East	Bugesera	4 915	72	128	**5 115**	110	659	58	**827**	25
	Rwamagana	3 197	89	49	**3 334**	115	705	59	**878**	388
	Gatsibo	6 748	165	240	**7 153**	123	1 224	54	**1 401**	579
	Kayonza	5 100	0	180	**5 280**	36	127	547	**709**	12
	Kirehe	5 743	1 583	214	**7 540**	79	425	15	**519**	65
	Ngoma	5 391	1 204	76	**6 671**	129	712	197	**1 037**	84
	Nyagatare	7 766	155	177	**8 099**	83	867	4	**954**	5 662
	Sub-total	**38 860**	**3 270**	**1 063**	**43 192**	**674**	**4 717**	**933**	**6 324**	**6 815**
Total		**81 696**	**44 961**	**7 673**	**134 330**	**5 622**	**8 692**	**1 455**	**15 769**	**27 412**

A 4.3.7b. Crops production (in tons) by Province and District during Season 2008B

Province	District	String beans	Fresh beans	Fresh peas	Maize fresh ear	Cauliflower	Cabbage	Tomato	Carrot	Cucumber	Beetroot	Lettuce	Spinach	Culin garlic
Kigali City	Nyarugenge	10	90	1	33	0	1	626	1	0	0	0	3	0
	Gasabo	10	344	12	536	0	495	334	206	0	1	0	6	0
	Kicukiro	23	142	1	176	0	3	172	0	5	0	0	0	0
	Sub-total	**43**	**575**	**13**	**745**	**0**	**499**	**1 133**	**207**	**5**	**1**	**0**	**9**	**0**
South	Nyanza	61	273	59	545	4	428	243	59	1	0	0	1	1
	Gisagara	50	810	30	534	0	949	600	30	0	0	0	3	0
	Nyaruguru	3	336	190	320	7	1 215	22	84	0	0	0	3	9
	Huye	58	595	87	451	3	1 081	516	129	3	0	0	1	0
	Nyamagabe	40	377	273	577	8	2 291	74	174	34	0	0	1	0
	Ruhango	29	470	142	738	0	349	700	135	0	0	0	1	0
	Muhanga	36	670	215	425	0	1 223	512	557	56	1	0	7	0
	Kamonyi	62	528	175	407	0	794	1 544	90	5	1	0	0	2
	Sub-total	**338**	**4 059**	**1 171**	**3 997**	**23**	**8 331**	**4 211**	**1 258**	**99**	**2**	**0**	**17**	**13**
West	Karongi	16	284	60	398	0	2 120	86	152	1	5	0	2	5
	Ngororero	2	696	160	932	0	1 873	47	18	0	0	0	12	2
	Nyabihu	68	783	232	361	1	949	0	0	0	0	0	8	0
	Rubavu	40	965	27	2 299	22	969	233	2 249	5	0	0	9	280
	Rutsiro	246	441	92	871	0	1 676	261	35	22	0	0	0	9
	Rusizi	1	389	0	175	1	2 529	1 743	1	0	0	0	0	0
	Nyamasheke	5	400	16	500	2	1 159	346	83	0	2 872	0	0	1
	Sub-total	**377**	**3 957**	**589**	**5 536**	**27**	**11 276**	**2 715**	**2 538**	**28**	**2 876**	**0**	**31**	**298**
North	Rulindo	1	569	59	260	0	1 377	1 301	228	1	42	0	10	2
	Gakenke	14	1 015	104	746	13	1 188	355	73	0	0	0	0	0
	Musanze	52	1 188	43	1 542	23	4 096	691	891	0	0	0	22	33
	Burera	25	1 079	196	2 302	1	1 304	398	57	0	0	0	40	0
	Gicumbi	104	864	27	1 059	5	1 470	109	308	0	20	0	2	0
	Sub-total	**196**	**4 715**	**429**	**5 908**	**42**	**9 436**	**2 853**	**1 557**	**1**	**62**	**0**	**73**	**36**
East	Bugesera	6	313	4	271	0	58	344	1	0	4	0	5	0
	Rwamagana	18	585	9	1 023	0	665	2 248	24	0	0	0	4	0
	Gatsibo	5	828	66	460	0	387	648	18	5	0	0	7	0
	Kayonza	8	291	3	443	0	144	961	60	38	0	0	3	0
	Kirehe	0	430	3	272	0	52	289	5	0	1	0	0	3
	Ngoma	17	299	19	413	2	340	2 294	1	1	0	0	0	0
	Nyagatare	9	741	3	411	0	561	1 623	1	0	0	0	4	0
	Sub-total	**64**	**3 487**	**107**	**3 294**	**2**	**2 207**	**8 406**	**109**	**44**	**5**	**0**	**23**	**3**
Total		**1 019**	**16 793**	**2 310**	**19 480**	**94**	**31 749**	**19 318**	**5 670**	**178**	**2 947**	**0**	**153**	**349**

A 4.3.7b. Crops production (in tons) by Province and District during Season 2008B

Province	**District**	Eggplant	Squash, Pumpkin, Marrow	Onion	Okro	Leek	Sweet pepper	Celery	Parsley	Chillies (Pili-pili)	Mushroom	Vegetables dodo	Sombe	Moringa	**Vegetables Total**
Kigali City	Nyarugenge	81	30	1	0	0	0	0	0	0	0	170	103	0	1 152
	Gasabo	1 183	641	5	0	1	80	0	0	6	38	240	154	0	4 291
	Kicukiro	90	27	0	0	0	35	0	1	5	3	50	67	0	800
	Sub-total	**1 354**	**698**	**6**	**0**	**1**	**115**	**0**	**1**	**12**	**41**	**460**	**324**	**0**	**6 243**
South	Nyanza	384	162	623	2	1	1	0	0	2	6	432	48	0	3 337
	Gisagara	771	404	13	0	1	9	0	0	1	27	438	187	0	4 859
	Nyaruguru	472	119	74	0	0	2	1	0	0	188	318	399	0	3 762
	Huye	1 262	271	60	0	0	1	0	0	2	10	434	168	0	5 131
	Nyamagabe	607	281	26	0	0	1	15	14	0	2 160	260	175	0	7 386
	Ruhango	333	280	219	0	1	2	0	0	1	26	442	118	0	3 985
	Muhanga	959	211	33	0	42	9	2	0	2	91	600	548	0	6 201
	Kamonyi	486	255	95	0	23	33	0	0	74	14	772	307	0	5 668
	Sub-total	**5 275**	**1 983**	**1 142**	**2**	**68**	**57**	**19**	**15**	**81**	**2 522**	**3 697**	**1 949**	**0**	**40 329**
West	Karongi	659	108	148	0	4	30	2	0	4	254	358	154	1	4 852
	Ngororero	562	216	86	5	0	2	10	0	16	61	1 130	467	0	6 296
	Nyabihu	16	156	21	0	109	19	1	0	0	90	835	52	0	3 703
	Rubavu	180	157	466	0	67	20	2	0	6	12	469	131	0	8 608
	Rutsiro	458	286	43	0	12	26	0	0	1	231	629	438	0	5 779
	Rusizi	882	157	39	0	0	10	1	1	1	96	430	501	0	6 956
	Nyamasheke	1 031	91	125	0	1	5	21	0	7	43	1 267	464	0	8 440
	Sub-total	**3 789**	**1 171**	**928**	**5**	**194**	**112**	**36**	**1**	**36**	**788**	**5 117**	**2 208**	**1**	**44 634**
North	Rulindo	1 613	499	203	2	52	31	21	0	11	312	1 332	729	1	8 656
	Gakenke	2 172	338	65	0	13	10	2	2	4	816	927	464	0	8 324
	Musanze	591	567	36	0	101	1	2	0	17	120	637	179	0	10 832
	Burera	116	305	48	0	0	2	0	0	1	41	510	61	0	6 485
	Gicumbi	957	757	125	0	6	178	8	1	5	194	1 436	295	0	7 930
	Sub-total	**5 449**	**2 466**	**476**	**2**	**173**	**223**	**34**	**3**	**38**	**1 483**	**4 843**	**1 729**	**1**	**42 227**
East	Bugesera	164	84	0	0	0	0	0	0	9	21	250	39	0	1 573
	Rwamagana	1 069	322	20	0	3	289	2	0	10	11	724	105	1	7 131
	Gatsibo	324	498	87	0	1	7	0	0	0	3	352	23	0	3 719
	Kayonza	43	174	20	0	0	23	0	0	0	21	336	20	1	2 589
	Kirehe	159	255	70	0	1	5	2	0	0	1	231	17	6	1 802
	Ngoma	140	328	2	0	26	53	4	0	0	15	278	33	0	4 267
	Nyagatare	139	766	101	2	0	2	1	0	0	67	332	53	1	4 819
	Sub-total	**2 040**	**2 430**	**301**	**2**	**31**	**379**	**9**	**0**	**20**	**139**	**2 503**	**289**	**8**	**25 902**
Total		**17 906**	**8 748**	**2 853**	**11**	**467**	**885**	**97**	**19**	**186**	**4 973**	**16 620**	**6 499**	**10**	**159 335**

A 4.3.7b. Crops production (in tons) by Province and District during Season 2008B

Province	District	Cooking banana	Beer banana	Banana Kamara	Other fruit bananas	Orange	Lemon	Mango	Guava	Passion Fruit	Pineapple	Strawberry	Papaya	Avocado (normal)	Avocado haas	Japanese plum	Gaperi	Fruits Total
Kigali City	Nyarugenge	1 028	3 355	133	80	0	14	94	0	0	9	0	21	206	29	0	0	**4 970**
	Gasabo	3 869	6 533	229	620	0	28	10	45	0	41	0	20	751	15	1	0	**12 162**
	Kicukiro	2 872	4 558	12	683	0	6	105	80	0	12	0	48	820	0	10	0	**9 207**
	Sub-total	**7 769**	**14 445**	**374**	**1 383**	**0**	**47**	**210**	**125**	**0**	**61**	**0**	**89**	**1 778**	**44**	**12**	**0**	**26 339**
South	Nyanza	3 322	4 483	44	1 048	40	64	78	20	0	76	0	54	1 346	28	0	0	**10 604**
	Gisagara	4 596	10 032	248	646	39	257	65	483	1	17	0	108	2 015	22	0	0	**18 531**
	Nyaruguru	1 462	3 118	35	37	5	42	1	99	0	36	0	0	1 050	68	13	0	**5 966**
	Huye	2 775	3 504	153	548	132	22	4	145	0	6	0	54	2 002	6	4	0	**9 353**
	Nyamagabe	2 075	5 107	145	189	66	10	10	35	0	29	0	5	794	89	60	17	**8 630**
	Ruhango	2 866	3 872	47	871	70	212	100	25	0	130	1	84	1 671	7	8	0	**9 965**
	Muhanga	5 110	27 220	149	3 073	102	221	105	281	2	651	0	33	1 358	4	67	1	**38 377**
	Kamonyi	4 528	12 697	21	535	57	81	51	57	6	323	0	48	1 116	23	2	0	**19 545**
	Sub-total	**26 734**	**70 034**	**842**	**6 947**	**510**	**909**	**414**	**1 145**	**9**	**1 267**	**1**	**387**	**11 351**	**246**	**154**	**18**	**120 970**
West	Karongi	4 990	12 576	775	508	5	16	1	36	1	15	0	31	988	0	55	0	**19 998**
	Ngororero	3 442	13 256	388	2 111	1	62	0	417	3	119	0	46	419	16	193	0	**20 474**
	Nyabihu	1 224	3 961	209	750	0	2	0	9	0	0	0	75	727	543	39	0	**7 537**
	Rubavu	1 286	5 401	109	41	0	0	2	66	1	0	0	38	336	14	50	0	**7 344**
	Rutsiro	5 226	17 921	724	169	4	12	63	17	0	161	0	45	1 876	0	1 144	0	**27 364**
	Rusizi	5 976	13 878	126	975	405	111	0	422	1	9	0	38	2 040	0	33	0	**24 015**
	Nyamasheke	10 047	13 066	264	205	14	64	71	198	0	387	0	22	1 299	4	29	0	**25 670**
	Sub-total	**32 191**	**80 059**	**2 595**	**4 760**	**429**	**267**	**138**	**1 165**	**6**	**690**	**0**	**295**	**7 686**	**576**	**1 542**	**0**	**132 402**
North	Rulindo	5 517	11 617	413	1 343	21	6	37	37	1	17	0	9	915	3	17	7	**19 958**
	Gakenke	8 369	22 624	555	2 258	43	10	13	90	10	372	21	44	787	15	30	3	**35 245**
	Musanze	5 796	10 931	679	1 467	3	13	6	49	1	0	0	219	744	48	191	17	**20 163**
	Burera	3 108	3 144	118	233	6	0	0	3	0	0	0	40	724	89	22	2	**7 490**
	Gicumbi	7 101	6 922	365	288	1	12	5	42	0	9	0	66	1 077	48	91	14	**16 041**
	Sub-total	**29 890**	**55 238**	**2 131**	**5 590**	**75**	**41**	**61**	**221**	**12**	**398**	**21**	**378**	**4 246**	**203**	**351**	**42**	**98 897**
East	Bugesera	5 544	9 530	27	372	117	13	2	26	0	334	0	38	901	23	21	0	**16 947**
	Rwamagana	44 695	18 617	303	4 082	1	3	4	56	3	9	0	136	946	23	28	2	**68 907**
	Gatsibo	25 822	20 004	154	762	0	41	5	1	0	37	0	157	516	41	13	0	**47 553**
	Kayonza	17 506	8 011	146	47	7	3	64	2	0	17	0	58	151	295	16	0	**26 322**
	Kirehe	43 489	10 188	208	8	104	77	16	1	227	7 203	0	234	391	4	1	0	**62 152**
	Ngoma	28 348	12 287	639	307	2	1	9	25	1	119	0	73	650	70	32	0	**42 562**
	Nyagatare	25 586	11 037	300	401	2	35	14	13	0	222	0	70	328	1	0	4	**38 011**
	Sub-total	**190 990**	**89 674**	**1 777**	**5 980**	**233**	**172**	**114**	**125**	**231**	**7 940**	**0**	**766**	**3 882**	**456**	**110**	**5**	**302 455**
Total		**287 575**	**309 449**	**7 720**	**24 660**	**1 247**	**1 436**	**936**	**2 781**	**259**	**10 357**	**23**	**1 915**	**28 942**	**1 525**	**2 169**	**66**	**681 062**

A 4.3.7b. Crops production (in tons) by Province and District during Season 2008B

Province	District	Dwarf pepper	Vanilla	Spices Total	Coffee	Tea	Stimulants Total	Tobacco	Pyrethrum	Geranium	Macadamia	Mulberry tree / Iboberi	Pacuri	Trade flowers	Ornamental flowers	Other Total
Kigali City	Nyarugenge	0	0	**0**	5	0	**5**	0	0	0	0	0	0	0	1	**1**
	Gasabo	1	0	**1**	150	0	**150**	0	0	0	2	0	0	0	4	**6**
	Kicukiro	27	0	**27**	10	0	**10**	0	0	0	0	0	0	0	0	**0**
	Sub-total	**28**	**0**	**28**	**165**	**0**	**165**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**5**	**7**
South	Nyanza	0	0	**0**	705	0	**705**	1	3	0	0	0	0	1	6	**10**
	Gisagara	0	0	**0**	446	0	**446**	91	0	0	0	0	5	0	0	**97**
	Nyaruguru	0	0	**0**	697	1 699	**2 396**	5	0	0	0	0	0	0	3	**8**
	Huye	9	0	**9**	2 235	12	**2 246**	3	0	14	0	1	0	1	0	**19**
	Nyamagabe	0	0	**0**	921	2 912	**3 833**	0	0	0	1	0	0	0	0	**1**
	Ruhango	1	0	**1**	935	0	**935**	1	0	0	1	0	0	0	0	**2**
	Muhanga	3	0	**3**	729	0	**729**	1	0	0	2	0	0	0	0	**3**
	Kamonyi	4	0	**4**	767	0	**767**	0	0	0	0	1	0	1	0	**2**
	Sub-total	**20**	**0**	**20**	**7 435**	**4 622**	**12 057**	**103**	**3**	**14**	**4**	**2**	**5**	**2**	**9**	**142**
West	Karongi	0	0	**0**	781	1 521	**2 303**	1	0	5	0	1	0	0	0	**7**
	Ngororero	3	0	**3**	79	435	**515**	7	0	0	35	0	3	2	6	**52**
	Nyabihu	0	0	**0**	13	0	**13**	6	10	0	0	0	0	0	1	**17**
	Rubavu	1	0	**1**	426	319	**745**	2	4	0	0	0	0	0	1	**8**
	Rutsiro	2	0	**2**	3 335	43	**3 378**	2	0	0	0	0	3	0	0	**5**
	Rusizi	3	0	**3**	2 746	576	**3 322**	6	0	2	13	0	0	0	0	**21**
	Nyamasheke	10	0	**10**	3 985	1 358	**5 344**	0	0	0	0	0	0	14	0	**15**
	Sub-total	**20**	**0**	**20**	**11 366**	**4 253**	**15 619**	**24**	**15**	**7**	**48**	**1**	**6**	**17**	**8**	**125**
North	Rulindo	2	0	**2**	56	62	**118**	0	0	0	0	0	0	1	1	**2**
	Gakenke	5	0	**5**	1 733	0	**1 733**	3	6	0	0	0	1	0	2	**12**
	Musanze	3	0	**3**	4	0	**4**	1	27	0	0	1	0	0	2	**31**
	Burera	1	0	**1**	2	7	**9**	0	13	0	0	0	0	0	0	**13**
	Gicumbi	17	0	**17**	136	325	**460**	0	0	0	0	0	0	2	0	**2**
	Sub-total	**28**	**0**	**28**	**1 931**	**394**	**2 325**	**5**	**45**	**0**	**1**	**1**	**1**	**2**	**5**	**60**
East	Bugesera	4	5	**8**	217	0	**217**	0	0	0	0	0	0	1	0	**2**
	Rwamagana	4	0	**4**	528	0	**528**	12	0	0	0	0	0	0	2	**14**
	Gatsibo	0	0	**0**	1 084	0	**1 084**	0	0	0	1	0	10	0	0	**11**
	Kayonza	0	0	**0**	120	0	**120**	12	0	0	0	0	0	4	0	**15**
	Kirehe	6	0	**6**	676	0	**676**	35	0	0	0	0	0	0	0	**35**
	Ngoma	13	0	**13**	650	0	**650**	0	0	0	0	0	0	0	21	**21**
	Nyagatare	1	0	**1**	17	0	**17**	0	0	7	0	2	0	1	0	**10**
	Sub-total	**28**	**5**	**32**	**3 292**	**0**	**3 292**	**58**	**0**	**7**	**1**	**2**	**10**	**6**	**23**	**108**
Total		**122**	**5**	**127**	**24 189**	**9 269**	**33 458**	**189**	**63**	**28**	**55**	**7**	**22**	**29**	**50**	**443**

A 4.3.7c. Annual Crops production (in tons) by Province and District

Province	District	Cereals					Tubers						
		Sorghum	Maize Grains	Wheat	Rice	**Cereals Total**	Mild Cassava	Fresh bitter Cassava	Sweet potato	Irish potato	Taro	Yam	**Tubers Total**
Kigali City	Nyarugenge	676	71	0	1	**748**	1 450	13 515	3 417	610	385	0	**19 377**
	Gasabo	1 708	505	4	704	**2 922**	4 504	14 720	12 014	3 602	1 205	2	**36 048**
	Kicukiro	349	68	0	15	**432**	786	4 983	3 750	62	410	3	**9 994**
	Sub-total	**2 734**	**644**	**4**	**720**	**4 102**	**6 741**	**33 218**	**19 181**	**4 274**	**1 999**	**5**	**65 418**
South	Nyanza	5 993	818	314	1 055	**8 180**	6 035	43 829	25 830	4 827	1 827	147	**82 495**
	Gisagara	3 587	1 472	0	5 501	**10 560**	3 836	20 508	48 120	3 777	2 435	92	**78 767**
	Nyaruguru	2 557	1 162	747	199	**4 665**	3 625	31 594	86 030	9 331	2 383	25	**132 988**
	Huye	2 843	228	35	1 838	**4 946**	8 110	33 592	45 874	8 253	1 717	122	**97 667**
	Nyamagabe	1 556	751	1 203	984	**4 494**	10 813	28 938	80 160	10 712	17 140	189	**147 953**
	Ruhango	2 243	747	3	1 437	**4 431**	10 986	58 039	45 756	5 178	2 496	152	**122 607**
	Muhanga	124	612	24	283	**1 041**	13 680	112 314	53 772	3 372	11 632	135	**194 906**
	Kamonyi	5 131	1 515	2	914	**7 561**	6 795	81 208	30 236	5 278	3 673	171	**127 362**
	Sub-total	**24 033**	**7 306**	**2 330**	**12 211**	**45 879**	**63 881**	**410 018**	**415 779**	**50 729**	**43 305**	**1 034**	**984 744**
West	Karongi	2 223	1 554	164	0	**3 942**	13 178	15 294	52 907	6 793	4 336	55	**92 564**
	Ngororero	308	2 283	608	33	**3 232**	14 235	14 791	50 799	29 304	7 825	17	**116 972**
	Nyabihu	2 091	6 176	733	0	**9 000**	387	2 137	26 786	136 179	573	3	**166 065**
	Rubavu	171	3 294	16	0	**3 482**	193	39	9 001	107 256	447	8	**116 942**
	Rutsiro	466	5 699	167	0	**6 331**	4 525	19 501	32 709	30 485	2 918	82	**90 220**
	Rusizi	186	5 842	9	8 858	**14 893**	767	52 486	21 341	2 031	2 196	707	**79 529**
	Nyamasheke	188	1 515	186	1 096	**2 985**	5 065	58 638	64 030	3 051	1 762	493	**133 038**
	Sub-total	**5 633**	**26 362**	**1 882**	**9 987**	**43 865**	**38 350**	**162 887**	**257 572**	**315 098**	**20 058**	**1 365**	**795 329**
North	Rulindo	1 926	431	82	10	**2 449**	6 255	15 738	39 716	5 640	1 233	40	**68 623**
	Gakenke	491	1 943	70	227	**2 730**	8 518	17 462	81 150	6 295	8 630	102	**122 156**
	Musanze	3 717	3 513	365	35	**7 631**	2 417	2 064	33 448	83 485	1 797	35	**123 246**
	Burera	5 161	2 867	2 352	3	**10 384**	556	1 618	41 779	86 935	382	0	**131 270**
	Gicumbi	4 047	599	611	12	**5 270**	3 610	2 778	61 419	16 996	1 345	3	**86 151**
	Sub-total	**15 343**	**9 352**	**3 482**	**287**	**28 464**	**21 356**	**39 660**	**257 512**	**199 352**	**13 388**	**180**	**531 448**
East	Bugesera	4 172	1 811	192	785	**6 959**	7 055	32 260	27 051	2 063	548	385	**69 362**
	Rwamagana	6 581	3 319	149	255	**10 304**	6 342	30 528	36 442	9 461	2 819	18	**85 609**
	Gatsibo	12 991	5 815	122	2 215	**21 143**	5 788	7 306	33 525	12 652	1 285	10	**60 566**
	Kayonza	6 225	1 666	3	181	**8 077**	3 881	19 507	18 082	10 986	17 928	9	**70 393**
	Kirehe	6 003	5 838	16	1 116	**12 973**	5 284	25 023	18 750	4 807	5 779	129	**59 772**
	Ngoma	5 200	2 375	8	1 260	**8 844**	5 935	33 524	32 115	12 189	2 820	38	**86 623**
	Nyagatare	24 231	14 947	60	2 374	**41 614**	9 759	10 236	18 278	4 899	678	1	**43 851**
	Sub-total	**65 405**	**35 771**	**550**	**8 187**	**109 912**	**44 045**	**158 387**	**184 242**	**57 057**	**31 858**	**592**	**476 182**
Total		**113 146**	**79 435**	**8 247**	**31 393**	**232 223**	**174 371**	**804 170**	**1 134 286**	**626 509**	**110 607**	**3 174**	**2 853 117**

A 4.3.7c. Annual Crops production (in tons) by Province and District

Province	**District**	Bush beans	Climbing beans	Peas	**Total Pulses**	Soybean	Groundnut	Sunflower	**Oleaginous Total**	**Sugar cane**
Kigali City	Nyarugenge	1 294	90	100	1 485	69	12	0	81	0
	Gasabo	5 584	62	185	5 831	188	250	31	469	65
	Kicukiro	1 314	62	16	1 394	18	107	2	127	61
	Sub-total	8 193	215	302	8 710	275	370	33	677	125
South	Nyanza	8 913	1 087	469	10 469	455	1 632	66	2 152	24
	Gisagara	12 537	332	299	13 168	895	602	467	1 965	228
	Nyaruguru	1 866	4 182	528	6 575	255	3	15	274	79
	Huye	6 500	1 364	383	8 248	507	302	174	981	41
	Nyamagabe	2 755	4 204	716	7 676	323	16	18	357	34
	Ruhango	8 588	736	381	9 705	621	860	132	1 613	85
	Muhanga	3 011	2 933	548	6 492	882	176	16	1 073	1 326
	Kamonyi	7 231	2 178	456	9 865	1 132	1 411	8	2 551	101
	Sub-total	51 402	17 015	3 781	72 199	5 070	5 002	895	10 968	1 918
West	Karongi	7 814	2 570	639	11 022	595	18	1	613	183
	Ngororero	324	7 067	437	7 827	537	4	8	549	972
	Nyabihu	148	5 658	1 261	7 067	0	0	1	1	116
	Rubavu	163	6 988	2 158	9 310	18	0	3	21	3 603
	Rutsiro	1 271	5 092	321	6 684	443	0	0	443	3 308
	Rusizi	7 080	705	84	7 870	814	250	3	1 067	1 709
	Nyamasheke	3 599	3 782	247	7 628	1 595	193	10	1 799	7 726
	Sub-total	20 399	31 861	5 149	57 408	4 001	465	26	4 492	17 615
North	Rulindo	6 047	2 949	434	9 430	329	109	2	439	3 549
	Gakenke	784	11 009	276	12 069	241	123	3	367	5 014
	Musanze	140	9 964	322	10 426	14	0	3	18	1 272
	Burera	1 116	10 457	786	12 358	1	0	2	4	222
	Gicumbi	5 953	7 523	1 175	14 652	47	144	8	197	7 058
	Sub-total	14 040	41 902	2 993	58 936	631	375	19	1 024	17 117
East	Bugesera	10 308	92	174	10 574	235	1 094	76	1 405	75
	Rwamagana	10 310	140	224	10 672	242	1 156	416	1 813	693
	Gatsibo	17 570	311	545	18 426	232	1 913	93	2 237	1 138
	Kayonza	10 998	3	405	11 406	128	441	643	1 210	43
	Kirehe	11 057	2 842	295	14 194	187	709	26	922	160
	Ngoma	12 231	2 215	140	14 585	257	2 170	387	2 812	201
	Nyagatare	18 973	238	280	19 493	214	2 632	13	2 859	19 752
	Sub-total	91 447	5 843	2 061	99 349	1 494	10 112	1 653	13 259	22 062
Total		**185 480**	**96 835**	**14 285**	**296 600**	**11 472**	**16 324**	**2 625**	**30 421**	**58 838**

A 4.3.7c. Annual Crops production (in tons) by Province and District

Province	District	Green beans	Fresh beans	Fresh peas	Maize fresh ear	Cauliflower	Cabbage	Tomato	Carrot	Cucumber	Beetroot	Lettuce	Spinach	Culin garlic
Kigali City	Nyarugenge	12	142	1	333	0	4	991	1	5	0	0	15	0
	Gasabo	21	812	30	1 016	0	1 643	1 071	215	149	1	0	9	0
	Kicukiro	53	229	3	304	0	12	275	0	5	0	0	0	0
	Sub-total	**86**	**1 183**	**34**	**1 652**	**0**	**1 659**	**2 338**	**217**	**159**	**1**	**0**	**24**	**0**
South	Nyanza	68	398	90	690	4	2 196	1 005	74	1	0	0	1	12
	Gisagara	89	1 346	64	1 026	2	5 427	1 594	71	0	0	0	24	0
	Nyaruguru	11	1 004	341	791	14	2 750	150	123	0	0	0	4	9
	Huye	95	1 260	125	1 071	3	2 195	1 210	158	3	0	0	3	1
	Nyamagabe	100	1 742	797	1 599	17	4 170	118	282	35	3	4	2	0
	Ruhango	47	959	235	1 821	0	1 403	1 582	155	0	0	0	2	0
	Muhanga	75	1 529	336	687	1	2 069	1 511	642	62	1	0	15	0
	Kamonyi	76	975	262	847	0	1 267	2 594	172	11	3	0	10	2
	Sub-total	**560**	**9 213**	**2 249**	**8 531**	**41**	**21 477**	**9 764**	**1 676**	**112**	**7**	**4**	**62**	**24**
West	Karongi	29	1 041	90	1 416	2	4 572	411	242	1	21	0	7	8
	Ngororero	262	2 350	268	2 115	0	4 903	227	19	3	0	0	26	2
	Nyabihu	93	2 954	672	2 068	58	1 511	65	0	0	0	0	11	0
	Rubavu	269	2 708	42	4 090	178	5 350	331	2 654	5	1	0	15	322
	Rutsiro	364	1 508	233	2 251	8	3 615	349	38	137	0	0	0	9
	Rusizi	6	1 247	7	1 182	1	3 283	3 310	6	1	0	0	1	0
	Nyamasheke	22	614	30	1 513	2	2 640	784	132	0	2 872	0	1	3
	Sub-total	**1 044**	**12 421**	**1 342**	**14 635**	**250**	**25 874**	**5 477**	**3 092**	**147**	**2 895**	**0**	**62**	**344**
North	Rulindo	33	1 506	238	557	2	2 734	2 127	551	1	55	0	19	12
	Gakenke	24	2 818	210	1 896	13	2 212	1 419	112	1	0	57	2	0
	Musanze	128	3 220	105	3 942	58	6 364	2 258	1 439	0	0	5	37	43
	Burera	87	3 287	433	3 067	1	1 881	527	76	1	0	0	71	3
	Gicumbi	201	2 121	289	2 057	11	3 906	768	527	0	20	0	2	0
	Sub-total	**473**	**12 954**	**1 276**	**11 519**	**84**	**17 098**	**7 099**	**2 704**	**4**	**76**	**62**	**131**	**58**
East	Bugesera	12	501	5	667	0	247	1 034	3	0	4	0	5	0
	Rwamagana	30	929	13	1 802	2	1 382	3 518	42	1	0	0	18	0
	Gatsibo	69	2 022	186	1 453	4	632	1 217	25	5	0	0	7	0
	Kayonza	11	802	13	1 889	0	515	2 085	91	38	3	0	17	0
	Kirehe	2	1 182	21	850	0	461	1 337	33	0	70	0	0	3
	Ngoma	18	903	21	820	2	740	4 573	1	1	0	0	0	0
	Nyagatare	14	1 391	10	1 148	0	744	2 593	5	4	0	0	4	0
	Sub-total	**156**	**7 730**	**270**	**8 629**	**7**	**4 721**	**16 358**	**201**	**48**	**77**	**0**	**51**	**3**
Total		**2 319**	**43 500**	**5 170**	**44 967**	**383**	**70 828**	**41 035**	**7 889**	**470**	**3 055**	**67**	**329**	**430**

A 4.3.7c. Annual Crops production (in tons) by Province and District

Province	District	Eggplant	Squash, Pumpkin, Marrow	Onion	Okro	Leek	Sweet pepper	Celery	Parsley	Chillies (Pili-pili)	Mushroom	Vegetables dodo	Sombe	Moringa	Vegetables Total
Kigali City	Nyarugenge	449	39	3	0	2	4	0	0	1	0	380	188	0	2 570
	Gasabo	2 442	809	12	0	2	115	1	0	13	80	480	332	0	9 253
	Kicukiro	408	67	0	0	0	60	0	2	6	4	435	97	0	1 961
	Sub-total	**3 300**	**914**	**16**	**0**	**4**	**180**	**1**	**2**	**20**	**85**	**1 294**	**617**	**0**	**13 784**
South	Nyanza	585	276	1 076	2	1	3	0	3	2	13	864	112	0	7 477
	Gisagara	1 229	892	47	0	3	12	0	0	3	66	950	343	0	13 186
	Nyaruguru	1 212	210	162	0	0	10	1	0	1	330	823	775	0	8 722
	Huye	1 816	539	115	0	0	17	0	0	7	32	954	283	0	9 888
	Nyamagabe	994	1 038	51	0	4	1	16	14	8	3 447	631	342	3	15 417
	Ruhango	502	429	333	0	4	8	0	0	28	86	862	238	0	8 694
	Muhanga	1 664	491	84	0	79	16	3	0	7	168	1 361	1 268	0	12 069
	Kamonyi	712	345	495	0	52	127	0	15	169	29	1 579	485	0	10 225
	Sub-total	**8 714**	**4 219**	**2 363**	**3**	**143**	**195**	**22**	**33**	**225**	**4 170**	**8 023**	**3 845**	**3**	**85 678**
West	Karongi	1 549	705	177	0	407	77	17	0	29	390	695	297	1	12 184
	Ngororero	873	1 082	247	5	2	6	21	0	52	180	2 007	846	0	15 497
	Nyabihu	70	314	30	0	112	20	1	0	0	179	1 135	77	0	9 371
	Rubavu	226	373	1 866	0	510	144	30	0	12	26	820	215	0	20 189
	Rutsiro	598	1 263	67	7	12	58	0	0	1	490	1 200	801	0	13 010
	Rusizi	1 167	386	178	0	22	23	5	1	20	136	1 256	666	0	12 902
	Nyamasheke	1 650	301	186	0	3	9	26	0	26	83	2 675	1 030	0	14 601
	Sub-total	**6 133**	**4 423**	**2 752**	**11**	**1 068**	**336**	**99**	**1**	**141**	**1 486**	**9 790**	**3 932**	**1**	**97 754**
North	Rulindo	2 216	762	377	2	104	51	102	0	41	531	2 401	1 088	1	15 513
	Gakenke	2 835	999	86	0	30	16	3	2	17	1 419	1 535	932	0	16 637
	Musanze	1 350	4 298	83	0	107	8	3	1	59	140	1 401	255	0	25 304
	Burera	157	1 077	917	0	3	2	63	0	3	237	1 354	190	0	13 438
	Gicumbi	1 439	3 900	272	0	131	216	39	1	65	820	2 901	851	0	20 537
	Sub-total	**7 996**	**11 036**	**1 735**	**2**	**374**	**293**	**210**	**4**	**186**	**3 147**	**9 592**	**3 316**	**1**	**91 429**
East	Bugesera	346	646	335	0	0	0	0	0	19	35	417	66	1	4 343
	Rwamagana	2 105	911	504	0	14	797	49	0	14	15	1 859	260	2	14 268
	Gatsibo	550	837	176	1	1	7	2	0	1	23	712	32	1	7 961
	Kayonza	163	281	40	0	1	23	1	0	2	36	857	42	1	6 910
	Kirehe	306	383	262	0	2	19	3	0	0	22	543	49	11	5 557
	Ngoma	274	471	7	0	216	101	5	0	36	21	538	113	0	8 860
	Nyagatare	173	1 357	141	2	0	7	1	0	0	69	654	77	1	8 396
	Sub-total	**3 916**	**4 886**	**1 465**	**3**	**234**	**953**	**61**	**0**	**71**	**221**	**5 579**	**640**	**16**	**56 297**
Total		**30 059**	**25 478**	**8 331**	**20**	**1 822**	**1 957**	**392**	**40**	**643**	**9 108**	**34 279**	**12 350**	**22**	**344 943**

A 4.3.7c. Annual Crops production (in tons) by Province and District

Province	District	Cooking banana	Beer banana	Banana Kamarama senge	Other fruit bananas	Orange	Lemon	Mango	Guava	Passion fruit	Pineapple	Strawberry	Papaya	Avocado (normal)	Avocado haas	Japanese plum	Gaperi	Fruits Total
Kigali City	Nyarugenge	2 485	11 393	371	152	0	14	134	4	0	21	0	44	410	29	0	0	**15 059**
	Gasabo	8 983	13 962	755	2 297	9	56	217	75	3	91	0	91	2 665	246	1	0	**29 451**
	Kicukiro	5 607	8 151	34	932	1	9	202	90	0	84	0	141	941	0	13	0	**16 205**
	Sub-total	17 075	33 505	1 161	3 381	10	79	553	168	3	195	0	276	4 017	275	15	0	**60 715**
South	Nyanza	6 742	7 824	106	1 534	50	78	243	21	0	137	0	118	2 430	28	0	0	**19 312**
	Gisagara	8 938	20 840	972	1 347	51	301	534	579	2	141	0	339	5 562	59	4	0	**39 671**
	Nyaruguru	3 970	8 356	210	459	15	51	73	487	0	67	0	11	4 246	172	43	8	**18 168**
	Huye	5 404	7 972	350	1 222	143	42	16	158	0	18	0	113	4 872	15	10	0	**20 332**
	Nyamagabe	6 637	13 330	886	572	87	14	23	35	0	221	0	31	2 755	398	74	19	**25 080**
	Ruhango	7 509	12 946	153	3 332	77	227	443	79	1	311	1	216	2 884	7	11	0	**28 199**
	Muhanga	12 079	62 558	784	7 303	123	248	136	338	2	1 336	0	95	3 039	43	108	1	**88 195**
	Kamonyi	9 507	25 685	129	1 205	61	149	443	272	6	831	0	168	3 488	57	2	1	**42 006**
	Sub-total	60 786	159 512	3 590	16 974	605	1 110	1 911	1 970	12	3 060	1	1 092	29 276	779	254	29	**280 962**
West	Karongi	12 930	35 646	1 501	2 219	5	78	22	84	1	72	0	89	3 316	5	61	0	**56 032**
	Ngororero	9 264	42 055	1 497	7 109	1	142	72	460	3	299	0	389	1 904	37	582	12	**63 828**
	Nyabihu	1 961	7 515	363	1 152	0	4	0	16	2	0	0	115	1 244	635	55	0	**13 059**
	Rubavu	3 464	16 021	364	224	0	0	6	103	1	0	3	111	1 326	111	82	0	**21 816**
	Rutsiro	9 781	42 150	1 489	592	27	26	114	17	0	205	0	65	2 497	0	1 494	0	**58 460**
	Rusizi	14 641	28 467	334	3 471	407	118	1 168	432	1	21	0	124	3 473	0	62	0	**52 720**
	Nyamasheke	24 890	36 822	824	658	39	80	208	201	1	580	0	63	3 177	4	60	0	**67 608**
	Sub-total	76 931	208 676	6 372	15 426	480	448	1 591	1 313	9	1 176	4	956	16 939	791	2 395	12	**333 523**
North	Rulindo	11 123	24 000	1 313	2 233	21	36	214	68	17	77	0	71	3 333	10	31	8	**42 552**
	Gakenke	18 011	53 880	1 835	5 078	74	27	84	204	11	745	35	138	2 888	134	80	6	**83 229**
	Musanze	14 816	34 777	2 289	4 409	27	18	8	139	31	0	0	1 548	1 500	65	229	103	**59 957**
	Burera	17 411	23 207	689	1 171	8	0	3	16	0	0	0	106	1 602	146	113	15	**44 488**
	Gicumbi	18 018	23 102	1 876	1 066	3	42	171	56	0	14	0	773	2 690	73	166	44	**48 093**
	Sub-total	79 378	158 965	8 002	13 958	133	123	480	483	58	836	35	2 635	12 012	428	618	176	**278 318**
East	Bugesera	16 738	23 655	44	711	129	42	641	65	0	530	0	151	3 354	218	26	0	**46 302**
	Rwamagana	77 109	53 082	1 708	8 608	13	10	231	243	37	303	0	666	3 678	65	156	2	**145 911**
	Gatsibo	52 576	34 953	735	2 398	1	42	318	8	0	137	0	268	1 979	111	24	0	**93 551**
	Kayonza	33 802	13 003	285	440	9	3	169	20	0	122	0	136	636	301	18	0	**48 943**
	Kirehe	129 687	49 617	1 717	336	196	131	386	34	229	10 229	0	911	1 906	4	4	0	**195 389**
	Ngoma	65 691	34 102	2 547	1 022	3	20	149	26	2	233	0	330	1 581	71	111	0	**105 886**
	Nyagatare	57 863	27 060	971	805	3	146	137	17	0	1 385	2	232	872	1	0	4	**89 496**
	Sub-total	433 466	235 473	8 006	14 320	354	394	2 030	414	268	12 940	2	2 693	14 005	770	338	5	**725 479**
Total		**667 637**	**796 130**	**27 132**	**64 059**	**1 582**	**2 154**	**6 565**	**4 347**	**351**	**18 208**	**42**	**7 653**	**76 248**	**3 043**	**3 621**	**223**	**1 678 996**

A 4.3.7c. Annual Crops production (in tons) by Province and District

Province	**District**	Dwarf pepper	Vanilla	**Spices Total**	Coffee	Tea	**Stimulants Total**	Tobacco	Pyrethrum	Geranium	Macadamia	Mulberry tree / Iboberi	Pacuri	Trade flowers	Ornamental flowers	**Other Total**
Kigali City	Nyarugenge	1	0	1	6	0	6	0	0	0	0	0	0	0	2	**2**
	Gasabo	7	0	7	158	0	158	0	0	0	10	0	0	0	6	**17**
	Kicukiro	71	0	71	10	0	10	0	0	0	0	0	0	0	0	**0**
	Sub-total	79	0	79	174	0	174	0	0	0	10	0	0	0	8	**19**
South	Nyanza	6	10	16	764	0	764	5	3	0	4	0	0	2	9	**22**
	Gisagara	1	0	1	473	0	473	857	0	0	0	0	5	2	9	**874**
	Nyaruguru	1	0	1	726	3 414	4 140	11	0	0	2	1	8	3	5	**30**
	Huye	16	0	16	2 237	12	2 248	3	0	14	1	1	0	1	17	**37**
	Nyamagabe	0	0	0	943	5 553	6 495	0	0	0	4	3	0	1	0	**8**
	Ruhango	6	0	6	1 094	0	1 094	15	0	0	1	0	1	0	1	**18**
	Muhanga	15	0	15	843	0	843	3	0	5	3	0	0	0	0	**12**
	Kamonyi	15	0	15	851	0	851	7	0	0	2	1	4	1	4	**19**
	Sub-total	63	10	73	7 932	8 978	16 910	901	3	19	16	6	19	9	46	**1 019**
West	Karongi	4	0	4	907	2 588	3 496	18	0	5	3	1	0	0	0	**27**
	Ngororero	19	0	19	91	536	628	9	0	2	37	1	3	2	22	**75**
	Nyabihu	0	0	0	15	0	15	43	99	0	0	0	0	0	1	**143**
	Rubavu	1	1	2	645	450	1 094	7	12	0	0	0	1	0	2	**23**
	Rutsiro	12	0	12	5 188	144	5 332	8	0	0	1	0	3	1	0	**14**
	Rusizi	4	0	4	2 753	1 078	3 831	8	0	2	13	0	3	0	0	**27**
	Nyamasheke	15	0	15	4 272	2 663	6 936	0	0	2	1	0	0	18	1	**23**
	Sub-total	56	1	56	13 872	7 460	21 332	94	113	10	55	2	10	22	26	**331**
North	Rulindo	29	0	29	104	176	280	0	0	0	0	0	0	1	2	**4**
	Gakenke	18	0	18	1 851	0	1 851	6	6	0	0	0	10	2	4	**27**
	Musanze	16	0	16	4	0	4	10	181	9	0	1	0	1	2	**204**
	Burera	12	0	12	3	8	10	8	28	1	0	0	0	0	0	**37**
	Gicumbi	106	0	106	164	2 110	2 273	55	0	0	0	0	37	34	1	**127**
	Sub-total	181	0	181	2 125	2 294	4 419	80	214	10	1	1	46	37	10	**400**
East	Bugesera	42	5	46	217	0	217	1	0	0	0	0	0	1	0	**3**
	Rwamagana	21	0	21	554	0	554	18	0	1	2	0	2	0	10	**34**
	Gatsibo	3	0	3	1 106	0	1 106	5	1	0	1	0	10	1	0	**19**
	Kayonza	1	0	1	143	0	143	13	2	0	0	9	0	4	0	**28**
	Kirehe	12	0	12	691	0	691	37	2	0	0	0	0	0	1	**40**
	Ngoma	156	0	156	685	0	685	4	0	0	0	0	0	0	22	**26**
	Nyagatare	4	0	4	17	0	17	18	0	7	0	2	0	2	0	**29**
	Sub-total	239	5	243	3 414	0	3 414	95	6	8	3	12	13	8	32	**178**
Total		**617**	**15**	**632**	**27 518**	**18 732**	**46 250**	**1 170**	**335**	**48**	**84**	**23**	**88**	**78**	**122**	**1 948**

A 4.3.8a. Agricultural households by province, district and type of horticulture practiced during Season 2008A

Province	District	Horticulturists Category																	
		Vegetables farming only		Fruits farming only		Flowers farming only		Vegetables and fruits farming		Vegetables and flowers farming		Fruits and flowers farming		Vegetables,fruits and flowers farming		No vegetables,no fruits,no flowers		Total	
Kigali City	Nyarugenge	2 631	28.2%	792	8.5%	467	5.0%	1 185	12.7%	323	3.5%	0	0.0%	175	1.9%	3 740	40.2%	9 313	100%
	Gasabo	6 102	19.5%	1 709	5.5%	681	2.2%	3 278	10.5%	458	1.5%	133	0.4%	1 342	4.3%	17 610	56.2%	31 313	100%
	Kicukiro	1 697	17.4%	603	6.2%	0	0.0%	445	4.6%	0	0.0%	359	3.7%	185	1.9%	6 459	66.3%	9 747	100%
	Sub-total	**10 429**	**20.7%**	**3 104**	**6.2%**	**1 148**	**2.3%**	**4 909**	**9.7%**	**781**	**1.6%**	**492**	**1.0%**	**1 702**	**3.4%**	**27 808**	**55.2%**	**50 373**	**100%**
South	Nyanza	15 949	34.0%	2 573	5.5%	186	0.4%	3 903	8.3%	621	1.3%	0	0.0%	259	0.6%	23 426	49.9%	46 918	100%
	Gisagara	8 328	12.3%	9 811	14.5%	1 179	1.7%	12 515	18.5%	1 668	2.5%	1 203	1.8%	3 666	5.4%	29 413	43.4%	67 784	100%
	Nyaruguru	19 014	35.1%	4 423	8.2%	642	1.2%	8 021	14.8%	1 849	3.4%	126	0.2%	3 061	5.7%	16 959	31.4%	54 097	100%
	Huye	14 367	26.1%	2 591	4.7%	4 880	8.9%	4 842	8.8%	5 235	9.5%	1 419	2.6%	3 156	5.7%	18 525	33.7%	55 016	100%
	Nyamagabe	17 850	27.2%	7 919	12.1%	143	0.2%	20 440	31.2%	675	1.0%	475	0.7%	2 382	3.6%	15 690	23.9%	65 575	100%
	Ruhango	22 886	41.1%	3 234	5.8%	897	1.6%	6 445	11.6%	727	1.3%	306	0.5%	350	0.6%	20 867	37.5%	55 712	100%
	Muhanga	18 606	32.0%	5 278	9.1%	171	0.3%	13 028	22.4%	543	0.9%	1 282	2.2%	5 458	9.4%	13 834	23.8%	58 200	100%
	Kamonyi	18 705	32.0%	1 396	2.4%	341	0.6%	5 102	8.7%	864	1.5%	0	0.0%	1 972	3.4%	30 029	51.4%	58 410	100%
	Sub-total	**135 705**	**29.4%**	**37 225**	**8.1%**	**8 441**	**1.8%**	**74 297**	**16.1%**	**12 183**	**2.6%**	**4 811**	**1.0%**	**20 304**	**4.4%**	**168 743**	**36.5%**	**461 711**	**100%**
West	Karongi	15 066	24.7%	3 230	5.3%	626	1.0%	10 175	16.7%	806	1.3%	943	1.5%	5 136	8.4%	25 077	41.1%	61 059	100%
	Ngororero	11 572	17.3%	5 530	8.2%	731	1.1%	8 252	12.3%	607	0.9%	232	0.3%	4 937	7.4%	35 189	52.5%	67 049	100%
	Nyabihu	20 097	35.5%	1 656	2.9%	315	0.6%	3 428	6.1%	0	0.0%	252	0.4%	0	0.0%	30 822	54.5%	56 570	100%
	Rubavu	6 270	12.3%	3 818	7.5%	3 676	7.2%	2 887	5.7%	1 599	3.1%	1 759	3.5%	1 999	3.9%	28 849	56.7%	50 858	100%
	Rutsiro	7 164	11.9%	7 930	13.1%	645	1.1%	8 463	14.0%	266	0.4%	631	1.0%	325	0.5%	34 982	57.9%	60 406	100%
	Rusizi	12 467	19.5%	5 194	8.1%	4 687	7.3%	2 726	4.3%	1 488	2.3%	1 226	1.9%	558	0.9%	35 627	55.7%	63 972	100%
	Nyamasheke	15 521	20.3%	5 649	7.4%	1 756	2.3%	8 271	10.8%	2 397	3.1%	3 111	4.1%	7 200	9.4%	32 691	42.7%	76 597	100%
	Sub-total	**88 157**	**20.2%**	**33 008**	**7.6%**	**12 435**	**2.8%**	**44 202**	**10.1%**	**7 164**	**1.6%**	**8 153**	**1.9%**	**20 156**	**4.6%**	**223 237**	**51.1%**	**436 512**	**100%**
North	Rulindo	16 952	30.3%	3 384	6.1%	1 145	2.0%	4 415	7.9%	812	1.5%	0	0.0%	995	1.8%	28 203	50.4%	55 907	100%
	Gakenke	7 808	10.8%	8 120	11.2%	2 405	3.3%	14 716	20.3%	2 809	3.9%	3 161	4.4%	5 084	7.0%	28 418	39.2%	72 521	100%
	Musanze	11 538	18.0%	6 476	10.1%	2 113	3.3%	6 959	10.8%	3 006	4.7%	564	0.9%	2 413	3.8%	31 188	48.5%	64 256	100%
	Burera	22 134	33.9%	2 923	4.5%	1 409	2.2%	7 512	11.5%	4 194	6.4%	1 237	1.9%	3 986	6.1%	21 886	33.5%	65 281	100%
	Gicumbi	13 993	20.2%	2 741	4.0%	1 170	1.7%	7 484	10.8%	509	0.7%	491	0.7%	1 563	2.3%	41 334	59.7%	69 285	100%
	Sub-total	**72 426**	**22.1%**	**23 645**	**7.2%**	**8 242**	**2.5%**	**41 086**	**12.6%**	**11 330**	**3.5%**	**5 454**	**1.7%**	**14 040**	**4.3%**	**151 028**	**46.2%**	**327 250**	**100%**
East	Bugesera	4 791	8.4%	6 091	10.7%	1 775	3.1%	1 218	2.1%	0	0.0%	311	0.5%	337	0.6%	42 585	74.6%	57 109	100%
	Rwamagana	7 396	14.9%	5 587	11.3%	3 179	6.4%	5 815	11.7%	1 751	3.5%	4 521	9.1%	3 795	7.6%	17 601	35.5%	49 645	100%
	Gatsibo	7 807	11.1%	4 356	6.2%	549	0.8%	3 144	4.5%	538	0.8%	1 392	2.0%	524	0.7%	51 810	73.9%	70 119	100%
	Kayonza	7 219	14.0%	1 743	3.4%	821	1.6%	2 312	4.5%	311	0.6%	806	1.6%	1 714	3.3%	36 461	71.0%	51 387	100%
	Kirehe	7 253	13.0%	10 754	19.3%	0	0.0%	4 395	7.9%	0	0.0%	162	0.3%	1 057	1.9%	32 078	57.6%	55 699	100%
	Ngoma	5 491	9.6%	14 029	24.6%	503	0.9%	5 043	8.8%	1 022	1.8%	1 380	2.4%	773	1.4%	28 762	50.5%	57 004	100%
	Nyagatare	5 202	9.0%	4 854	8.4%	0	0.0%	1 608	2.8%	0	0.0%	0	0.0%	0	0.0%	46 215	79.8%	57 879	100%
	Sub-total	**45 158**	**11.3%**	**47 415**	**11.9%**	**6 828**	**1.7%**	**23 534**	**5.9%**	**3 621**	**0.9%**	**8 572**	**2.1%**	**8 200**	**2.1%**	**255 512**	**64.1%**	**398 841**	**100%**
Total		**351 876**	**21.0%**	**144 397**	**8.6%**	**37 095**	**2.2%**	**188 028**	**11.2%**	**35 080**	**2.1%**	**27 482**	**1.6%**	**64 402**	**3.8%**	**826 329**	**49.3%**	**1 674 687**	**100%**

A 4.3.8b. Agricultural households by province, district and type of horticulture practiced during Season 2008B

Province	District	Horticulturists Category																	
		Vegetables farming only		Fruits farming only		Flowers farming only		Vegetables and fruits farming		Vegetables and flowers farming		Fruits and flowers farming		Vegetables,fruits and flowers farming		No vegetables,no fruits,no flowers		Total	
Kigali City	Nyarugenge	2 427	26.1%	555	6.0%	0	0.0%	834	9.0%	0	0.0%	0	0.0%	0	0.0%	5 497	59.0%	9 313	100%
	Gasabo	4 968	15.9%	1 716	5.5%	0	0.0%	922	2.9%	148	0.5%	134	0.4%	134	0.4%	23 291	74.4%	31 313	100%
	Kicukiro	1 179	12.1%	533	5.5%	0	0.0%	359	3.7%	0	0.0%	0	0.0%	0	0.0%	7 677	78.8%	9 747	100%
	Sub-total	**8 574**	**17.0%**	**2 803**	**5.6%**	**0**	**0.0%**	**2 114**	**4.2%**	**148**	**0.3%**	**134**	**0.3%**	**134**	**0.3%**	**36 465**	**72.4%**	**50 373**	**100%**
South	Nyanza	11 432	24.4%	4 742	10.1%	127	0.3%	7 336	15.6%	322	0.7%	322	0.7%	410	0.9%	22 227	47.4%	46 918	100%
	Gisagara	9 985	14.7%	8 432	12.4%	299	0.4%	13 038	19.2%	954	1.4%	1 033	1.5%	1 558	2.3%	32 486	47.9%	67 784	100%
	Nyaruguru	8 891	16.4%	1 778	3.3%	500	0.9%	7 056	13.0%	742	1.4%	340	0.6%	2 817	5.2%	31 973	59.1%	54 097	100%
	Huye	22 020	40.0%	1 140	2.1%	1 267	2.3%	2 629	4.8%	2 865	5.2%	262	0.5%	610	1.1%	24 223	44.0%	55 016	100%
	Nyamagabe	21 278	32.4%	6 377	9.7%	178	0.3%	12 552	19.1%	0	0.0%	311	0.5%	1 999	3.0%	22 880	34.9%	65 575	100%
	Ruhango	20 987	37.7%	4 929	8.8%	639	1.1%	7 646	13.7%	1 473	2.6%	747	1.3%	1 135	2.0%	18 156	32.6%	55 712	100%
	Muhanga	15 090	25.9%	3 862	6.6%	0	0.0%	12 818	22.0%	1 222	2.1%	742	1.3%	6 352	10.9%	18 114	31.1%	58 200	100%
	Kamonyi	17 442	29.9%	1 815	3.1%	204	0.3%	2 308	4.0%	0	0.0%	204	0.3%	351	0.6%	36 086	61.8%	58 410	100%
	Sub-total	**127 123**	**27.5%**	**33 076**	**7.2%**	**3 213**	**0.7%**	**65 383**	**14.2%**	**7 578**	**1.6%**	**3 961**	**0.9%**	**15 231**	**3.3%**	**206 145**	**44.6%**	**461 711**	**100%**
West	Karongi	11 861	19.4%	6 994	11.5%	1 794	2.9%	9 533	15.6%	1 278	2.1%	1 125	1.8%	3 762	6.2%	24 712	40.5%	61 059	100%
	Ngororero	9 643	14.4%	4 290	6.4%	495	0.7%	5 478	8.2%	153	0.2%	0	0.0%	851	1.3%	46 139	68.8%	67 049	100%
	Nyabihu	17 625	31.2%	1 288	2.3%	2 257	4.0%	542	1.0%	2 440	4.3%	0	0.0%	0	0.0%	32 419	57.3%	56 570	100%
	Rubavu	9 902	19.5%	2 263	4.5%	521	1.0%	2 090	4.1%	471	0.9%	418	0.8%	0	0.0%	35 192	69.2%	50 858	100%
	Rutsiro	9 497	15.7%	11 653	19.3%	137	0.2%	8 851	14.7%	1 230	2.0%	530	0.9%	0	0.0%	28 508	47.2%	60 406	100%
	Rusizi	7 278	11.4%	5 546	8.7%	3 789	5.9%	3 667	5.7%	1 060	1.7%	2 074	3.2%	2 834	4.4%	37 725	59.0%	63 972	100%
	Nyamasheke	15 868	20.7%	8 456	11.0%	548	0.7%	8 485	11.1%	761	1.0%	564	0.7%	945	1.2%	40 970	53.5%	76 597	100%
	Sub-total	**81 673**	**18.7%**	**40 492**	**9.3%**	**9 541**	**2.2%**	**38 645**	**8.9%**	**7 393**	**1.7%**	**4 709**	**1.1%**	**8 392**	**1.9%**	**245 665**	**56.3%**	**436 512**	**100%**
North	Rulindo	10 870	19.4%	1 144	2.0%	536	1.0%	2 352	4.2%	834	1.5%	0	0.0%	327	0.6%	39 843	71.3%	55 907	100%
	Gakenke	11 247	15.5%	10 636	14.7%	1 023	1.4%	5 771	8.0%	1 119	1.5%	173	0.2%	785	1.1%	41 768	57.6%	72 521	100%
	Musanze	5 132	8.0%	7 351	11.4%	1 150	1.8%	4 225	6.6%	1 733	2.7%	1 485	2.3%	1 259	2.0%	41 922	65.2%	64 256	100%
	Burera	23 641	36.2%	2 191	3.4%	651	1.0%	4 973	7.6%	2 506	3.8%	568	0.9%	632	1.0%	30 119	46.1%	65 281	100%
	Gicumbi	15 957	23.0%	2 773	4.0%	0	0.0%	7 684	11.1%	0	0.0%	479	0.7%	1 210	1.7%	41 181	59.4%	69 285	100%
	Sub-total	**66 846**	**20.4%**	**24 096**	**7.4%**	**3 359**	**1.0%**	**25 005**	**7.6%**	**6 192**	**1.9%**	**2 704**	**0.8%**	**4 214**	**1.3%**	**194 833**	**59.5%**	**327 250**	**100%**
East	Bugesera	5 230	9.2%	3 400	6.0%	0	0.0%	1 377	2.4%	0	0.0%	0	0.0%	0	0.0%	47 102	82.5%	57 109	100%
	Rwamagana	6 203	12.5%	3 648	7.3%	681	1.4%	4 318	8.7%	636	1.3%	508	1.0%	2 850	5.7%	30 801	62.0%	49 645	100%
	Gatsibo	13 149	18.8%	2 457	3.5%	472	0.7%	2 089	3.0%	0	0.0%	188	0.3%	188	0.3%	51 575	73.6%	70 119	100%
	Kayonza	5 040	9.8%	3 771	7.3%	185	0.4%	1 510	2.9%	0	0.0%	0	0.0%	428	0.8%	40 453	78.7%	51 387	100%
	Kirehe	5 536	9.9%	3 002	5.4%	0	0.0%	2 048	3.7%	384	0.7%	384	0.7%	1 333	2.4%	43 012	77.2%	55 699	100%
	Ngoma	3 461	6.1%	14 061	24.7%	0	0.0%	2 351	4.1%	0	0.0%	0	0.0%	0	0.0%	37 130	65.1%	57 004	100%
	Nyagatare	4 483	7.7%	3 067	5.3%	0	0.0%	2 885	5.0%	0	0.0%	0	0.0%	929	1.6%	46 514	80.4%	57 879	100%
	Sub-total	**43 103**	**10.8%**	**33 406**	**8.4%**	**1 338**	**0.3%**	**16 578**	**4.2%**	**1 020**	**0.3%**	**1 081**	**0.3%**	**5 727**	**1.4%**	**296 587**	**74.4%**	**398 841**	**100%**
Total		**327 320**	**19.5%**	**133 873**	**8.0%**	**17 452**	**1.0%**	**147 726**	**8.8%**	**22 332**	**1.3%**	**12 590**	**0.8%**	**33 698**	**2.0%**	**979 696**	**58.5%**	**1 674 687**	**100%**

A 4.3.9a. Households having planted fruit trees and / or flowers by province, district and main source of plants during Season 2008A

Province	District	Main source of flowers or fruits seeds															
		Public nursery		NGO's nursery		Individual household nursery		Purchased seeds		Received as Gifts		Other source		No seedlings planted		Total	
Kigali City	Nyarugenge	206	7.0%	0	0.0%	1 157	39.3%	452	15.4%	718	24.4%	176	6.0%	234	7.9%	2 943	100%
	Gasabo	290	3.8%	0	0.0%	2 347	30.9%	2 193	28.8%	1 385	18.2%	920	12.1%	467	6.1%	7 601	100%
	Kicukiro	630	39.6%	185	11.6%	185	11.6%	592	37.2%	0	0.0%	0	0.0%	0	0.0%	1 592	100%
	Sub-total	**1 126**	**9.3%**	**185**	**1.5%**	**3 688**	**30.4%**	**3 236**	**26.7%**	**2 103**	**17.3%**	**1 096**	**9.0%**	**701**	**5.8%**	**12 135**	**100%**
South	Nyanza	382	5.1%	745	9.9%	838	11.1%	1 109	14.7%	186	2.5%	2 699	35.8%	1 583	21.0%	7 543	100%
	Gisagara	7 415	24.7%	196	0.7%	2 139	7.1%	1 562	5.2%	6 157	20.5%	7 992	26.6%	4 583	15.3%	30 043	100%
	Nyaruguru	3 169	17.5%	2 948	16.3%	1 741	9.6%	3 274	18.1%	3 279	18.1%	2 545	14.0%	1 167	6.4%	18 123	100%
	Huye	2 441	11.0%	977	4.4%	1 734	7.8%	715	3.2%	7 565	34.2%	7 228	32.7%	1 463	6.6%	22 123	100%
	Nyamagabe	2 169	6.8%	696	2.2%	5 113	16.0%	14 730	46.0%	2 327	7.3%	5 491	17.1%	1 508	4.7%	32 035	100%
	Ruhango	1 130	9.5%	601	5.0%	1 779	14.9%	1 209	10.1%	3 340	27.9%	2 481	20.7%	1 419	11.9%	11 959	100%
	Muhanga	1 894	7.4%	151	0.6%	5 766	22.4%	5 274	20.5%	3 818	14.8%	6 760	26.2%	2 096	8.1%	25 760	100%
	Kamonyi	3 228	33.4%	554	5.7%	341	3.5%	394	4.1%	632	6.5%	3 989	41.2%	537	5.6%	9 676	100%
	Sub-total	**21 829**	**13.9%**	**6 867**	**4.4%**	**19 451**	**12.4%**	**28 268**	**18.0%**	**27 305**	**17.4%**	**39 185**	**24.9%**	**14 357**	**9.1%**	**157 262**	**100%**
West	Karongi	1 395	6.7%	952	4.6%	5 898	28.2%	1 861	8.9%	4 918	23.5%	2 532	12.1%	3 360	16.1%	20 916	100%
	Ngororero	1 563	7.7%	339	1.7%	2 091	10.3%	1 281	6.3%	6 272	30.9%	6 005	29.6%	2 737	13.5%	20 288	100%
	Nyabihu	579	10.3%	0	0.0%	410	7.3%	849	15.0%	2 175	38.5%	1 467	26.0%	171	3.0%	5 651	100%
	Rubavu	799	5.1%	0	0.0%	1 543	9.8%	1 876	11.9%	5 337	33.9%	5 356	34.0%	828	5.3%	15 738	100%
	Rutsiro	712	3.9%	1 883	10.3%	4 842	26.5%	3 325	18.2%	1 127	6.2%	4 722	25.9%	1 650	9.0%	18 261	100%
	Rusizi	2 028	12.8%	128	0.8%	1 869	11.8%	1 975	12.4%	3 106	19.6%	6 336	39.9%	437	2.8%	15 879	100%
	Nyamasheke	1 863	6.6%	768	2.7%	6 084	21.4%	3 190	11.2%	4 831	17.0%	7 946	28.0%	3 703	13.0%	28 385	100%
	Sub-total	**8 938**	**7.1%**	**4 070**	**3.3%**	**22 737**	**18.2%**	**14 358**	**11.5%**	**27 765**	**22.2%**	**34 363**	**27.5%**	**12 887**	**10.3%**	**125 118**	**100%**
North	Rulindo	277	2.6%	1 619	15.1%	1 735	16.1%	1 480	13.8%	1 379	12.8%	3 474	32.3%	787	7.3%	10 751	100%
	Gakenke	2 059	5.7%	1 515	4.2%	15 240	42.0%	2 910	8.0%	5 979	16.5%	5 408	14.9%	3 185	8.8%	36 296	100%
	Musanze	1 629	7.6%	379	1.8%	5 578	25.9%	1 728	8.0%	5 892	27.4%	5 199	24.1%	1 126	5.2%	21 530	100%
	Burera	815	3.8%	162	0.8%	1 582	7.4%	3 664	17.2%	12 112	57.0%	2 478	11.7%	448	2.1%	21 261	100%
	Gicumbi	1 912	13.7%	585	4.2%	2 022	14.5%	1 596	11.4%	1 750	12.5%	4 270	30.6%	1 824	13.1%	13 958	100%
	Sub-total	**6 693**	**6.4%**	**4 261**	**4.1%**	**26 156**	**25.2%**	**11 377**	**11.0%**	**27 112**	**26.1%**	**20 829**	**20.1%**	**7 369**	**7.1%**	**103 796**	**100%**
East	Bugesera	2 464	25.3%	345	3.5%	428	4.4%	926	9.5%	2 324	23.9%	2 533	26.0%	714	7.3%	9 733	100%
	Rwamagana	502	2.0%	1 284	5.2%	4 902	19.9%	2 277	9.2%	9 914	40.2%	4 531	18.4%	1 238	5.0%	24 648	100%
	Gatsibo	1 723	16.4%	1 731	16.5%	1 587	15.1%	141	1.3%	1 052	10.0%	3 278	31.2%	990	9.4%	10 502	100%
	Kayonza	1 200	15.6%	512	6.6%	349	4.5%	1 167	15.1%	1 803	23.4%	1 606	20.8%	1 070	13.9%	7 708	100%
	Kirehe	5 779	35.3%	1 084	6.6%	4 133	25.2%	1 118	6.8%	1 045	6.4%	2 859	17.5%	350	2.1%	16 367	100%
	Ngoma	3 716	16.3%	0	0.0%	2 233	9.8%	1 454	6.4%	5 671	24.9%	8 262	36.3%	1 415	6.2%	22 751	100%
	Nyagatare	806	12.5%	1 143	17.7%	0	0.0%	1 057	16.4%	1 297	20.1%	1 459	22.6%	699	10.8%	6 462	100%
	Sub-total	**16 190**	**16.5%**	**6 100**	**6.2%**	**13 631**	**13.9%**	**8 139**	**8.3%**	**23 106**	**23.5%**	**24 528**	**25.0%**	**6 477**	**6.6%**	**98 171**	**100%**
Total		**54 776**	**11.0%**	**21 482**	**4.3%**	**85 664**	**17.3%**	**65 379**	**13.2%**	**107 390**	**21.6%**	**120 001**	**24.2%**	**41 791**	**8.4%**	**496 483**	**100%**

A 4.3.9b. Households having planted fruit trees and / or flowers by province, district and main source of plants during Season 2008B

Province	District	Main source of flowers or fruits seeds															
		Public nurseries		NGO's nurseries		Individual household nursery		Purchased seeds		Received as Gifts		Other source		No seedlings planted		Total	
Kigali City	Nyarugenge	102	7.3%	0	0.0%	705	50.8%	204	14.7%	204	14.7%	0	0.0%	175	12.6%	1 389	100%
	Gasabo	537	17.6%	771	25.2%	132	4.3%	619	20.3%	0	0.0%	148	4.9%	847	27.7%	3 054	100%
	Kicukiro	0	0.0%	0	0.0%	0	0.0%	174	19.5%	174	19.5%	370	41.5%	174	19.5%	891	100%
	Sub-total	**639**	**12.0%**	**771**	**14.4%**	**837**	**15.7%**	**996**	**18.7%**	**377**	**7.1%**	**518**	**9.7%**	**1 195**	**22.4%**	**5 334**	**100%**
South	Nyanza	1 742	13.1%	1 906	14.4%	3 552	26.8%	1 089	8.2%	153	1.2%	3 296	24.9%	1 522	11.5%	13 259	100%
	Gisagara	3 836	15.2%	1 330	5.3%	3 111	12.3%	2 971	11.7%	3 975	15.7%	8 103	32.0%	1 987	7.8%	25 313	100%
	Nyaruguru	3 107	23.5%	514	3.9%	3 863	29.2%	789	6.0%	3 103	23.4%	487	3.7%	1 370	10.4%	13 233	100%
	Huye	0	0.0%	161	1.8%	492	5.6%	1 067	12.2%	3 254	37.1%	3 452	39.3%	348	4.0%	8 773	100%
	Nyamagabe	3 157	14.7%	693	3.2%	2 304	10.8%	5 058	23.6%	6 800	31.8%	3 066	14.3%	338	1.6%	21 417	100%
	Ruhango	1 728	10.4%	160	1.0%	1 411	8.5%	1 262	7.6%	6 006	36.2%	5 622	33.9%	381	2.3%	16 569	100%
	Muhanga	2 041	8.2%	0	0.0%	13 289	53.2%	2 340	9.4%	6 395	25.6%	595	2.4%	336	1.3%	24 997	100%
	Kamonyi	1 027	21.0%	305	6.3%	930	19.1%	446	9.1%	2 015	41.3%	0	0.0%	158	3.2%	4 882	100%
	Sub-total	**16 640**	**13.0%**	**5 070**	**3.9%**	**28 951**	**22.5%**	**15 021**	**11.7%**	**31 701**	**24.7%**	**24 621**	**19.2%**	**6 439**	**5.0%**	**128 443**	**100%**
West	Karongi	945	3.9%	1 457	6.0%	4 586	18.7%	3 624	14.8%	2 890	11.8%	6 299	25.7%	4 683	19.1%	24 485	100%
	Ngororero	688	6.1%	1 307	11.6%	896	8.0%	1 466	13.0%	1 925	17.1%	4 587	40.7%	398	3.5%	11 267	100%
	Nyabihu	316	4.8%	124	1.9%	147	2.3%	417	6.4%	1 859	28.5%	3 664	56.1%	0	0.0%	6 527	100%
	Rubavu	142	2.5%	995	17.3%	804	13.9%	1 203	20.9%	1 555	27.0%	939	16.3%	125	2.2%	5 763	100%
	Rutsiro	606	2.7%	0	0.0%	4 524	20.2%	6 865	30.6%	4 421	19.7%	4 681	20.9%	1 305	5.8%	22 401	100%
	Rusizi	2 127	11.2%	852	4.5%	3 202	16.9%	1 516	8.0%	8 497	44.8%	2 560	13.5%	216	1.1%	18 970	100%
	Nyamasheke	2 774	14.0%	648	3.3%	4 397	22.3%	1 746	8.8%	4 758	24.1%	4 499	22.8%	939	4.7%	19 759	100%
	Sub-total	**7 598**	**7.0%**	**5 382**	**4.9%**	**18 556**	**17.0%**	**16 837**	**15.4%**	**25 906**	**23.7%**	**27 229**	**24.9%**	**7 666**	**7.0%**	**109 173**	**100%**
North	Rulindo	173	3.3%	154	3.0%	1 611	31.0%	336	6.5%	529	10.2%	2 217	42.7%	173	3.3%	5 194	100%
	Gakenke	1 989	10.2%	775	4.0%	3 895	20.0%	4 066	20.8%	4 013	20.6%	4 018	20.6%	750	3.8%	19 507	100%
	Musanze	1 665	9.7%	1 331	7.7%	5 759	33.5%	3 244	18.9%	1 165	6.8%	3 695	21.5%	342	2.0%	17 202	100%
	Burera	209	1.8%	207	1.8%	2 347	20.4%	3 189	27.7%	4 977	43.2%	592	5.1%	0	0.0%	11 521	100%
	Gicumbi	91	0.8%	182	1.5%	5 287	43.5%	2 027	16.7%	647	5.3%	2 858	23.5%	1 056	8.7%	12 147	100%
	Sub-total	**4 127**	**6.3%**	**2 649**	**4.0%**	**18 899**	**28.8%**	**12 862**	**19.6%**	**11 332**	**17.3%**	**13 381**	**20.4%**	**2 321**	**3.5%**	**65 570**	**100%**
East	Bugesera	1 383	29.0%	803	16.8%	214	4.5%	1 064	22.3%	1 177	24.6%	0	0.0%	135	2.8%	4 777	100%
	Rwamagana	345	2.7%	371	2.9%	1 053	8.3%	1 899	15.0%	4 504	35.6%	1 766	14.0%	2 704	21.4%	12 642	100%
	Gatsibo	354	6.6%	327	6.1%	542	10.0%	900	16.7%	1 006	18.6%	1 432	26.6%	833	15.4%	5 394	100%
	Kayonza	596	10.1%	1 366	23.2%	252	4.3%	1 024	17.4%	116	2.0%	2 125	36.0%	416	7.1%	5 894	100%
	Kirehe	3 481	48.7%	409	5.7%	1 009	14.1%	585	8.2%	503	7.0%	854	11.9%	311	4.3%	7 150	100%
	Ngoma	1 899	11.6%	338	2.1%	2 586	15.8%	1 341	8.2%	4 370	26.6%	5 682	34.6%	197	1.2%	16 412	100%
	Nyagatare	510	7.4%	338	4.9%	1 324	19.2%	602	8.7%	255	3.7%	3 684	53.5%	170	2.5%	6 882	100%
	Sub-total	**8 568**	**14.5%**	**3 950**	**6.7%**	**6 981**	**11.8%**	**7 416**	**12.5%**	**11 930**	**20.2%**	**15 542**	**26.3%**	**4 764**	**8.1%**	**59 151**	**100%**
Total		**37 570**	**10.2%**	**17 823**	**4.8%**	**74 224**	**20.2%**	**53 132**	**14.5%**	**81 246**	**22.1%**	**81 290**	**22.1%**	**22 386**	**6.1%**	**367 671**	**100%**

PRACTICE AND PRODUCTION OF LIVESTOCK

A 4.4.1a. Total number of agricultural households by province, district by type of livestock

Province	District	No animal	Poultry yard only	Small livestock	Small livestock & Poultry yard	Big livestock only	Big and small livestock	Big livestock & Poultry yard	Big & small livestock & Poultry yard	Total
Kigali City	Nyarugenge	3 262	0	3 605	1 013	452	703	0	278	9 313
	Gasabo	8 377	2 665	7 453	3 430	1 487	2 915	906	4 081	31 313
	Kicukiro	2 998	0	2 931	2 428	174	613	146	456	9 747
	Sub-total	**14 637**	**2 665**	**13 989**	**6 871**	**2 113**	**4 231**	**1 052**	**4 815**	**50 373**
South	Nyanza	12 046	3 314	6 103	2 689	5 774	5 469	3 456	8 066	46 918
	Gisagara	22 184	3 920	21 619	9 849	2 275	2 641	2 400	2 896	67 784
	Nyaruguru	13 871	1 785	11 921	4 069	5 368	10 454	2 054	4 573	54 097
	Huye	16 207	3 075	12 924	4 535	5 179	4 518	2 381	6 197	55 016
	Nyamagabe	13 216	2 117	20 200	7 002	4 496	10 437	1 375	6 732	65 575
	Ruhango	9 952	1 802	6 829	3 800	8 898	9 975	4 167	10 290	55 712
	Muhanga	8 217	1 397	4 809	2 120	10 110	11 941	4 139	15 468	58 200
	Kamonyi	15 426	1 240	7 986	1 655	14 080	9 836	1 962	6 226	58 410
	Sub-total	**111 118**	**18 651**	**92 391**	**35 719**	**56 180**	**65 271**	**21 933**	**60 447**	**461 711**
West	Karongi	9 741	965	12 682	4 104	6 195	14 857	3 381	9 133	61 059
	Ngororero	17 049	1 970	13 406	4 725	8 789	7 432	3 274	10 404	67 049
	Nyabihu	21 088	1 688	19 397	3 217	3 643	4 956	709	1 873	56 570
	Rubavu	23 818	2 545	13 677	4 682	2 274	2 527	251	1 082	50 858
	Rutsiro	22 546	1 811	13 409	5 710	4 057	5 813	771	6 289	60 406
	Rusizi	21 725	5 079	16 580	9 941	2 535	2 218	1 193	4 701	63 972
	Nyamasheke	22 747	4 739	12 544	10 751	9 331	6 449	2 907	7 128	76 597
	Sub-total	**138 715**	**18 798**	**101 695**	**43 131**	**36 825**	**44 253**	**12 486**	**40 609**	**436 512**
North	Rulindo	17 824	1 363	11 269	2 967	6 818	8 305	2 055	5 305	55 907
	Gakenke	9 054	2 023	12 330	2 876	15 152	12 246	5 226	13 615	72 521
	Musanze	25 761	1 433	14 977	2 295	6 763	6 952	1 636	4 441	64 256
	Burera	21 427	1 768	16 684	4 133	8 069	6 288	2 942	3 972	65 281
	Gicumbi	22 807	1 320	15 002	5 079	8 281	5 555	2 498	8 743	69 285
	Sub-total	**96 872**	**7 906**	**70 262**	**17 350**	**45 084**	**39 345**	**14 355**	**36 075**	**327 250**
East	Bugesera	14 671	3 145	13 671	10 541	4 216	2 892	2 386	5 587	57 109
	Rwamagana	17 798	1 284	9 861	4 805	5 102	3 875	2 704	4 216	49 645
	Gatsibo	25 873	2 723	16 703	8 827	4 908	3 912	2 120	5 053	70 119
	Kayonza	26 104	1 871	11 810	3 335	3 081	2 925	741	1 521	51 387
	Kirehe	19 516	1 816	12 389	7 827	5 637	5 804	112	2 598	55 699
	Ngoma	16 644	3 628	17 050	7 747	2 449	4 722	1 398	3 366	57 004
	Nyagatare	20 850	5 980	9 815	6 118	7 709	1 788	2 204	3 415	57 879
	Sub-total	**141 456**	**20 448**	**91 298**	**49 199**	**33 101**	**25 918**	**11 666**	**25 756**	**398 841**
Rwanda		**502 798**	**68 467**	**369 636**	**152 270**	**173 303**	**179 018**	**61 492**	**167 703**	**1 674 687**
	Cumulative	**502 798**	**571 265**	**940 901**	**1 093 171**	**1 266 474**	**1 445 492**	**1 506 984**	**1 674 687**	

A 4.4.1b. Agricultural households (%) by province, district by type of livestock

Province	District	Type of livestock practiced								
		No animal	Poultry yard only	Small livestock	Small livestock & Poultry yard	Big livestock only	Big and small livestock	Big livestock & Poultry yard	Big & small livestock & Poultry yard	Total
Kigali City	Nyarugenge	35.0%	0.0%	38.7%	10.9%	4.9%	7.5%	0.0%	3.0%	100.0%
	Gasabo	26.8%	8.5%	23.8%	11.0%	4.7%	9.3%	2.9%	13.0%	100.0%
	Kicukiro	30.8%	0.0%	30.1%	24.9%	1.8%	6.3%	1.5%	4.7%	100.0%
	Sub-total	**29.1%**	**5.3%**	**27.8%**	**13.6%**	**4.2%**	**8.4%**	**2.1%**	**9.6%**	**100.0%**
South	Nyanza	25.7%	7.1%	13.0%	5.7%	12.3%	11.7%	7.4%	17.2%	100.0%
	Gisagara	32.7%	5.8%	31.9%	14.5%	3.4%	3.9%	3.5%	4.3%	100.0%
	Nyaruguru	25.6%	3.3%	22.0%	7.5%	9.9%	19.3%	3.8%	8.5%	100.0%
	Huye	29.5%	5.6%	23.5%	8.2%	9.4%	8.2%	4.3%	11.3%	100.0%
	Nyamagabe	20.2%	3.2%	30.8%	10.7%	6.9%	15.9%	2.1%	10.3%	100.0%
	Ruhango	17.9%	3.2%	12.3%	6.8%	16.0%	17.9%	7.5%	18.5%	100.0%
	Muhanga	14.1%	2.4%	8.3%	3.6%	17.4%	20.5%	7.1%	26.6%	100.0%
	Kamonyi	26.4%	2.1%	13.7%	2.8%	24.1%	16.8%	3.4%	10.7%	100.0%
	Sub-total	**24.1%**	**4.0%**	**20.0%**	**7.7%**	**12.2%**	**14.1%**	**4.8%**	**13.1%**	**100.0%**
West	Karongi	16.0%	1.6%	20.8%	6.7%	10.1%	24.3%	5.5%	15.0%	100.0%
	Ngororero	25.4%	2.9%	20.0%	7.0%	13.1%	11.1%	4.9%	15.5%	100.0%
	Nyabihu	37.3%	3.0%	34.3%	5.7%	6.4%	8.8%	1.3%	3.3%	100.0%
	Rubavu	46.8%	5.0%	26.9%	9.2%	4.5%	5.0%	0.5%	2.1%	100.0%
	Rutsiro	37.3%	3.0%	22.2%	9.5%	6.7%	9.6%	1.3%	10.4%	100.0%
	Rusizi	34.0%	7.9%	25.9%	15.5%	4.0%	3.5%	1.9%	7.3%	100.0%
	Nyamasheke	29.7%	6.2%	16.4%	14.0%	12.2%	8.4%	3.8%	9.3%	100.0%
	Sub-total	**31.8%**	**4.3%**	**23.3%**	**9.9%**	**8.4%**	**10.1%**	**2.9%**	**9.3%**	**100.0%**
North	Rulindo	31.9%	2.4%	20.2%	5.3%	12.2%	14.9%	3.7%	9.5%	100.0%
	Gakenke	12.5%	2.8%	17.0%	4.0%	20.9%	16.9%	7.2%	18.8%	100.0%
	Musanze	40.1%	2.2%	23.3%	3.6%	10.5%	10.8%	2.5%	6.9%	100.0%
	Burera	32.8%	2.7%	25.6%	6.3%	12.4%	9.6%	4.5%	6.1%	100.0%
	Gicumbi	32.9%	1.9%	21.7%	7.3%	12.0%	8.0%	3.6%	12.6%	100.0%
	Sub-total	**29.6%**	**2.4%**	**21.5%**	**5.3%**	**13.8%**	**12.0%**	**4.4%**	**11.0%**	**100.0%**
East	Bugesera	25.7%	5.5%	23.9%	18.5%	7.4%	5.1%	4.2%	9.8%	100.0%
	Rwamagana	35.9%	2.6%	19.9%	9.7%	10.3%	7.8%	5.4%	8.5%	100.0%
	Gatsibo	36.9%	3.9%	23.8%	12.6%	7.0%	5.6%	3.0%	7.2%	100.0%
	Kayonza	50.8%	3.6%	23.0%	6.5%	6.0%	5.7%	1.4%	3.0%	100.0%
	Kirehe	35.0%	3.3%	22.2%	14.1%	10.1%	10.4%	0.2%	4.7%	100.0%
	Ngoma	29.2%	6.4%	29.9%	13.6%	4.3%	8.3%	2.5%	5.9%	100.0%
	Nyagatare	36.0%	10.3%	17.0%	10.6%	13.3%	3.1%	3.8%	5.9%	100.0%
	Sub-total	**35.5%**	**5.1%**	**22.9%**	**12.3%**	**8.3%**	**6.5%**	**2.9%**	**6.5%**	**100.0%**
Rwanda		**30.0%**	**4.1%**	**22.1%**	**9.1%**	**10.3%**	**10.7%**	**3.7%**	**10.0%**	**100.0%**
	(Cumulative %)	**30.0%**	**34.1%**	**56.2%**	**65.3%**	**75.6%**	**86.3%**	**90.0%**	**100.0%**	

A 4.4.1c. Households having practiced animal breeding techniques by province, district by type of livestock

Province	District	Farm households with local bovine race Ankole		Farm households with hybrid or exotic bovine race		Farm households with all bovine races		Farm households with small livestock (caprines,ovines,or porcines)		Farm households with poultry yard		Farm households with all livestock categories		Households Total	
Kigali City	Nyarugenge	905	9.7%	703	7.5%	1 433	15.4%	5 599	60.1%	1 291	13.9%	6 051	65.0%	9 313	100%
	Gasabo	8 211	26.2%	1 414	4.5%	9 389	30.0%	17 879	57.1%	11 081	35.4%	22 936	73.2%	31 313	100%
	Kicukiro	652	6.7%	738	7.6%	1 390	14.3%	6 428	66.0%	3 030	31.1%	6 749	69.2%	9 747	100%
	Sub-total:	**9 768**	**19.4%**	**2 855**	**5.7%**	**12 211**	**24.2%**	**29 906**	**59.4%**	**15 403**	**30.6%**	**35 736**	**70.9%**	**50 373**	**100%**
South	Nyanza	18 431	39.3%	7 057	15.0%	22 766	48.5%	22 327	47.6%	17 525	37.4%	34 871	74.3%	46 918	100%
	Gisagara	9 277	13.7%	1 087	1.6%	10 211	15.1%	37 005	54.6%	19 065	28.1%	45 600	67.3%	67 784	100%
	Nyaruguru	21 624	40.0%	1 630	3.0%	22 450	41.5%	31 018	57.3%	12 482	23.1%	40 226	74.4%	54 097	100%
	Huye	15 239	27.7%	5 258	9.6%	18 275	33.2%	28 173	51.2%	16 188	29.4%	38 809	70.5%	55 016	100%
	Nyamagabe	21 900	33.4%	1 637	2.5%	23 040	35.1%	44 371	67.7%	17 226	26.3%	52 359	79.8%	65 575	100%
	Ruhango	29 208	52.4%	6 358	11.4%	33 329	59.8%	30 893	55.5%	20 058	36.0%	45 760	82.1%	55 712	100%
	Muhanga	36 935	63.5%	6 118	10.5%	41 658	71.6%	34 338	59.0%	23 124	39.7%	49 983	85.9%	58 200	100%
	Kamonyi	29 119	49.9%	6 278	10.7%	32 103	55.0%	25 703	44.0%	11 082	19.0%	42 984	73.6%	58 410	100%
	Sub-total:	**181 733**	**39.4%**	**35 422**	**7.7%**	**203 831**	**44.1%**	**253 828**	**55.0%**	**136 750**	**29.6%**	**350 593**	**75.9%**	**461 711**	**100%**
West	Karongi	32 222	52.8%	1 869	3.1%	33 566	55.0%	40 776	66.8%	17 583	28.8%	51 317	84.0%	61 059	100%
	Ngororero	28 304	42.2%	3 221	4.8%	29 899	44.6%	35 967	53.6%	20 374	30.4%	50 000	74.6%	67 049	100%
	Nyabihu	7 018	12.4%	4 757	8.4%	11 180	19.8%	29 443	52.0%	7 486	13.2%	35 482	62.7%	56 570	100%
	Rubavu	3 864	7.6%	2 487	4.9%	6 135	12.1%	21 969	43.2%	8 561	16.8%	27 040	53.2%	50 858	100%
	Rutsiro	12 694	21.0%	5 079	8.4%	16 930	28.0%	31 221	51.7%	14 581	24.1%	37 860	62.7%	60 406	100%
	Rusizi	10 333	16.2%	789	1.2%	10 647	16.6%	33 439	52.3%	20 914	32.7%	42 247	66.0%	63 972	100%
	Nyamasheke	23 415	30.6%	3 426	4.5%	25 816	33.7%	36 872	48.1%	25 526	33.3%	53 850	70.3%	76 597	100%
	Sub-total:	**117 850**	**27.0%**	**21 628**	**5.0%**	**134 173**	**30.7%**	**229 688**	**52.6%**	**115 024**	**26.4%**	**297 797**	**68.2%**	**436 512**	**100%**
North	Rulindo	20 287	36.3%	3 871	6.9%	22 483	40.2%	27 846	49.8%	11 690	20.9%	38 083	68.1%	55 907	100%
	Gakenke	37 793	52.1%	11 899	16.4%	46 238	63.8%	41 066	56.6%	23 740	32.7%	63 467	87.5%	72 521	100%
	Musanze	13 581	21.1%	6 713	10.4%	19 792	30.8%	28 664	44.6%	9 804	15.3%	38 496	59.9%	64 256	100%
	Burera	17 360	26.6%	6 284	9.6%	21 270	32.6%	31 076	47.6%	12 814	19.6%	43 854	67.2%	65 281	100%
	Gicumbi	22 936	33.1%	6 280	9.1%	25 077	36.2%	34 379	49.6%	17 640	25.5%	46 478	67.1%	69 285	100%
	Sub-total:	**111 958**	**34.2%**	**35 048**	**10.7%**	**134 860**	**41.2%**	**163 032**	**49.8%**	**75 686**	**23.1%**	**230 378**	**70.4%**	**327 250**	**100%**
East	Bugesera	13 797	24.2%	2 389	4.2%	15 081	26.4%	32 691	57.2%	21 659	37.9%	42 438	74.3%	57 109	100%
	Rwamagana	13 880	28.0%	3 457	7.0%	15 897	32.0%	22 757	45.8%	13 009	26.2%	31 847	64.1%	49 645	100%
	Gatsibo	15 550	22.2%	1 320	1.9%	15 993	22.8%	34 495	49.2%	18 723	26.7%	44 246	63.1%	70 119	100%
	Kayonza	7 850	15.3%	665	1.3%	8 267	16.1%	19 590	38.1%	7 468	14.5%	25 283	49.2%	51 387	100%
	Kirehe	11 068	19.9%	4 853	8.7%	14 151	25.4%	28 618	51.4%	12 353	22.2%	36 183	65.0%	55 699	100%
	Ngoma	11 637	20.4%	1 106	1.9%	11 935	20.9%	32 885	57.7%	16 139	28.3%	40 360	70.8%	57 004	100%
	Nyagatare	13 122	22.7%	5 367	9.3%	15 117	26.1%	21 136	36.5%	17 718	30.6%	37 029	64.0%	57 879	100%
	Sub-total:	**86 903**	**21.8%**	**19 158**	**4.8%**	**96 440**	**24.2%**	**192 172**	**48.2%**	**107 069**	**26.8%**	**257 386**	**64.5%**	**398 841**	**100%**
Total		**508 212**	**30.3%**	**114 111**	**6.8%**	**581 516**	**34.7%**	**868 626**	**51.9%**	**449 932**	**26.9%**	**1 171 889**	**70.0%**	**1 674 687**	**100%**

A 4.4.2. Agricultural households with bovine cattle shed, breeding method, and forage source by province and district

Main source of animal feeding	Bovine breeding Method							
	Housed livestock		Pasture livestock		Semi-housed livestock		Total	
Land of fodder	90 884	15.6%	8 540	1.5%	11 573	2.0%	110 997	19.1%
Fodder on anti- erosive hedges	203 672	35.0%	16 947	2.9%	21 275	3.7%	241 893	41.6%
Scattered stalks of fodder	30 336	5.2%	5 621	1.0%	5 225	0.9%	41 182	7.1%
Glean fodder in bushes	112 565	19.4%	27 917	4.8%	17 288	3.0%	157 770	27.1%
Purchase fodder	16 021	2.8%	6 145	1.1%	2 385	0.4%	24 551	4.2%
Grazing	0	0.0%	5 123	0.9%	0	0.0%	5 123	0.9%
Total	**453 478**	**78.0%**	**70 293**	**12.1%**	**57 745**	**9.9%**	**581 516**	**100.0%**

A 4.4.3. Agricultural households by province, district and area covered by forage

Province	District	Fodder area groups															
		ZERO		1 - 99 m2		100 - 499 m2		500 - 999 m2		1000 - 1999 m2		2000 - 3999 m2		4000 m2 & plus		Total	
Kigali City	Nyarugenge	5 272	56.6%	3 045	32.7%	997	10.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	9 313	100%
	Gasabo	20 528	65.6%	5 786	18.5%	2 359	7.5%	1 127	3.6%	707	2.3%	290	0.9%	515	1.6%	31 313	100%
	Kicukiro	5 835	59.9%	1 320	13.5%	736	7.5%	711	7.3%	652	6.7%	320	3.3%	174	1.8%	9 747	100%
	Total	**31 635**	**62.8%**	**10 151**	**20.2%**	**4 092**	**8.1%**	**1 837**	**3.6%**	**1 359**	**2.7%**	**611**	**1.2%**	**688**	**1.4%**	**50 373**	**100%**
South	Nyanza	34 936	74.5%	3 852	8.2%	5 332	11.4%	1 241	2.6%	736	1.6%	452	1.0%	369	0.8%	46 918	100%
	Gisagara	51 900	76.6%	10 349	15.3%	2 739	4.0%	1 340	2.0%	785	1.2%	466	0.7%	206	0.3%	67 784	100%
	Nyaruguru	36 489	67.5%	7 168	13.3%	5 255	9.7%	2 146	4.0%	1 699	3.1%	856	1.6%	485	0.9%	54 097	100%
	Huye	41 650	75.7%	8 680	15.8%	4 257	7.7%	337	0.6%	91	0.2%	0	0.0%	0	0.0%	55 016	100%
	Nyamagabe	34 139	52.1%	18 014	27.5%	11 235	17.1%	1 366	2.1%	149	0.2%	671	1.0%	0	0.0%	65 575	100%
	Ruhango	28 190	50.6%	13 128	23.6%	10 234	18.4%	1 716	3.1%	1 673	3.0%	372	0.7%	398	0.7%	55 712	100%
	Muhanga	17 758	30.5%	17 716	30.4%	19 141	32.9%	2 897	5.0%	172	0.3%	178	0.3%	338	0.6%	58 200	100%
	Kamonyi	33 804	57.9%	11 206	19.2%	8 170	14.0%	1 764	3.0%	1 818	3.1%	429	0.7%	1 220	2.1%	58 410	100%
	Total	**278 865**	**60.4%**	**90 113**	**19.5%**	**66 363**	**14.4%**	**12 809**	**2.8%**	**7 123**	**1.5%**	**3 423**	**0.7%**	**3 015**	**0.7%**	**461 711**	**100%**
West	Karongi	24 695	40.4%	20 918	34.3%	9 040	14.8%	2 620	4.3%	1 692	2.8%	432	0.7%	1 662	2.7%	61 059	100%
	Ngororero	41 935	62.5%	15 001	22.4%	8 639	12.9%	1 156	1.7%	318	0.5%	0	0.0%	0	0.0%	67 049	100%
	Nyabihu	50 787	89.8%	2 766	4.9%	1 455	2.6%	1 001	1.8%	281	0.5%	281	0.5%	0	0.0%	56 570	100%
	Rubavu	46 735	91.9%	1 881	3.7%	648	1.3%	404	0.8%	885	1.7%	304	0.6%	0	0.0%	50 858	100%
	Rutsiro	45 241	74.9%	7 466	12.4%	4 746	7.9%	1 136	1.9%	655	1.1%	472	0.8%	690	1.1%	60 406	100%
	Rusizi	47 550	74.3%	9 830	15.4%	4 562	7.1%	1 065	1.7%	472	0.7%	189	0.3%	303	0.5%	63 972	100%
	Nyamasheke	59 690	77.9%	10 241	13.4%	1 842	2.4%	1 430	1.9%	1 456	1.9%	289	0.4%	1 649	2.2%	76 597	100%
	Total	**316 632**	**72.5%**	**68 103**	**15.6%**	**30 932**	**7.1%**	**8 812**	**2.0%**	**5 760**	**1.3%**	**1 968**	**0.5%**	**4 304**	**1.0%**	**436 512**	**100%**
North	Rulindo	41 253	73.8%	7 815	14.0%	5 160	9.2%	1 177	2.1%	362	0.6%	0	0.0%	140	0.3%	55 907	100%
	Gakenke	29 733	41.0%	22 258	30.7%	15 551	21.4%	2 522	3.5%	1 318	1.8%	120	0.2%	1 019	1.4%	72 521	100%
	Musanze	52 647	81.9%	2 631	4.1%	4 377	6.8%	2 048	3.2%	1 065	1.7%	951	1.5%	537	0.8%	64 256	100%
	Burera	48 380	74.1%	5 326	8.2%	7 282	11.2%	1 954	3.0%	1 057	1.6%	559	0.9%	722	1.1%	65 281	100%
	Gicumbi	41 162	59.4%	19 094	27.6%	5 893	8.5%	1 272	1.8%	606	0.9%	629	0.9%	630	0.9%	69 285	100%
	Total	**213 174**	**65.1%**	**57 124**	**17.5%**	**38 263**	**11.7%**	**8 973**	**2.7%**	**4 408**	**1.3%**	**2 259**	**0.7%**	**3 049**	**0.9%**	**327 250**	**100%**
East	Bugesera	38 855	68.0%	6 481	11.3%	4 917	8.6%	2 549	4.5%	1 958	3.4%	1 290	2.3%	1 060	1.9%	57 109	100%
	Rwamagana	27 802	56.0%	7 666	15.4%	7 927	16.0%	2 866	5.8%	1 843	3.7%	901	1.8%	640	1.3%	49 645	100%
	Gatsibo	49 447	70.5%	13 292	19.0%	4 376	6.2%	1 486	2.1%	828	1.2%	196	0.3%	493	0.7%	70 119	100%
	Kayonza	37 816	73.6%	8 434	16.4%	2 111	4.1%	1 775	3.5%	585	1.1%	222	0.4%	444	0.9%	51 387	100%
	Kirehe	40 149	72.1%	10 653	19.1%	3 076	5.5%	623	1.1%	332	0.6%	370	0.7%	495	0.9%	55 699	100%
	Ngoma	45 724	80.2%	6 799	11.9%	2 552	4.5%	827	1.5%	582	1.0%	173	0.3%	347	0.6%	57 004	100%
	Nyagatare	48 494	83.8%	3 375	5.8%	3 944	6.8%	429	0.7%	384	0.7%	843	1.5%	411	0.7%	57 879	100%
	Total	**288 286**	**72.3%**	**56 701**	**14.2%**	**28 903**	**7.2%**	**10 556**	**2.6%**	**6 512**	**1.6%**	**3 996**	**1.0%**	**3 889**	**1.0%**	**398 841**	**100%**
Total		**1 128 592**	**67.4%**	**282 192**	**16.9%**	**168 553**	**10.1%**	**42 986**	**2.6%**	**25 163**	**1.5%**	**12 257**	**0.7%**	**14 946**	**0.9%**	**1 674 687**	**100%**

A 4.4.4. Total number of cattle by province and district

Province	District	LOCAL BOVINE RACE (ANKOLEE)								HYBRID/EXOTIC BOVINE RACES								BOVINES (ALL RACES)
		Adult cows	Lactating Adult cows	Cows (Young)	Calves (Females)	Calves (Males)	Castrated males	Bull	**Bovines Total (local races)**	Adult cows	Lactating Adult cows	Cows (Young)	Calves (Females)	Calves (Males)	Castrated males	Bulls	**Bovines Total (hybrid/ exotic races)**	
Kigali City	Nyarugenge	1 124	555	102	278	102	0	0	1 606	528	351	176	350	705	0	0	1 759	3 365
	Gasabo	4 644	2 685	5 040	2 134	2 353	0	148	14 319	829	399	949	594	392	0	0	2 764	17 083
	Kicukiro	717	359	293	370	174	0	185	1 739	1 406	787	310	950	146	0	174	2 986	4 725
	Sub-total	**6 485**	**3 599**	**5 435**	**2 781**	**2 629**	**0**	**333**	17 663	**2 763**	**1 538**	**1 435**	**1 894**	**1 244**	**0**	**174**	7 510	25 173
South	Nyanza	14 938	5 946	8 378	6 239	2 875	0	540	32 970	3 546	714	2 801	2 502	1 615	0	533	10 997	43 967
	Gisagara	7 700	2 782	2 885	1 205	1 783	0	614	14 187	969	564	153	627	458	0	0	2 207	16 394
	Nyaruguru	12 778	5 651	11 667	6 210	4 561	115	663	35 994	774	130	858	350	259	0	0	2 241	38 235
	Huye	8 790	2 106	6 675	6 590	2 355	180	905	25 495	1 617	161	2 049	2 947	604	0	1 476	8 693	34 188
	Nyamagabe	12 619	2 990	11 013	5 962	4 601	0	1 169	35 364	497	330	1 142	480	178	0	287	2 584	37 948
	Ruhango	19 126	6 959	12 197	9 408	5 264	0	0	45 995	2 960	869	2 261	2 484	2 225	0	1 452	11 382	57 377
	Muhanga	21 604	6 249	15 143	16 009	10 222	531	996	64 505	3 408	737	2 009	3 200	1 391	491	1 066	11 565	76 070
	Kamonyi	19 384	7 108	8 515	11 669	3 499	182	346	43 595	2 664	290	2 003	3 437	1 037	0	570	9 711	53 306
	Sub-total	**116 938**	**39 792**	**76 473**	**63 293**	**35 159**	**1 008**	**5 233**	298 104	**16 435**	**3 795**	**13 276**	**16 026**	**7 768**	**491**	**5 383**	59 379	357 483
West	Karongi	22 329	6 317	12 522	10 211	9 781	0	0	54 843	2 126	791	460	732	0	530	0	3 848	58 691
	Ngororero	11 629	3 939	50 770	7 414	7 538	166	1 085	78 602	1 067	300	877	585	1 148	0	1 005	4 682	83 284
	Nyabihu	5 206	1 993	829	3 287	2 078	145	849	12 394	4 129	2 030	1 006	1 945	1 678	0	0	8 758	21 152
	Rubavu	3 204	1 672	1 872	804	1 522	0	145	7 547	2 307	1 570	1 778	519	562	304	927	6 397	13 944
	Rutsiro	11 112	4 607	4 423	4 851	2 898	0	605	23 889	4 587	2 759	1 988	1 060	916	0	1 526	10 077	33 966
	Rusizi	7 155	1 833	2 654	4 409	35 831	163	120	50 332	948	152	159	0	314	0	0	1 421	51 753
	Nyamasheke	14 860	3 951	3 975	4 392	6 984	2 268	1 575	34 054	2 614	1 141	1 540	544	1 167	0	196	6 061	40 115
	Sub-total	**75 495**	**24 311**	**77 046**	**35 369**	**66 633**	**2 742**	**4 380**	261 665	**17 778**	**8 743**	**7 807**	**5 385**	**5 786**	**834**	**3 654**	41 244	302 909
North	Rulindo	11 972	2 764	6 157	5 504	3 603	0	407	27 643	1 960	361	1 037	1 293	497	183	997	5 967	33 610
	Gakenke	27 548	6 123	6 291	13 157	6 822	679	1 228	55 725	7 539	1 927	3 256	3 988	2 847	832	505	18 967	74 692
	Musanze	8 153	1 875	2 679	43 383	3 852	0	290	58 357	6 749	4 491	1 803	4 153	2 095	166	296	15 262	73 619
	Burera	11 772	2 749	3 669	48 360	4 501	0	176	68 478	3 205	692	1 274	2 731	1 372	127	625	9 334	77 812
	Gicumbi	21 029	9 230	9 516	8 263	6 331	0	1 249	46 388	3 376	1 985	1 225	2 702	2 611	0	1 097	11 011	57 399
	Sub-total	**80 473**	**22 741**	**28 313**	**118 667**	**25 109**	**679**	**3 349**	256 590	**22 829**	**9 457**	**8 595**	**14 868**	**9 422**	**1 308**	**3 519**	60 541	317 131
East	Bugesera	14 863	4 846	5 983	6 289	2 984	0	136	30 255	1 198	189	1 271	248	189	0	1 018	3 924	34 179
	Rwamagana	14 229	5 228	3 117	3 938	4 512	0	150	25 946	2 755	1 002	960	1 871	543	742	111	6 982	32 928
	Gatsibo	20 032	8 204	11 334	41 608	6 693	1 568	934	82 169	2 558	675	213	0	366	0	1 593	4 730	86 899
	Kayonza	11 312	4 901	7 008	5 751	4 316	269	607	29 263	222	0	418	248	0	0	222	1 110	30 373
	Kirehe	18 573	3 915	18 026	7 746	3 610	0	1 217	49 172	8 390	0	675	546	122	0	0	9 733	58 905
	Ngoma	9 965	4 586	5 641	4 467	3 257	0	627	23 957	272	155	393	184	117	0	412	1 378	25 335
	Nyagatare	106 474	49 064	60 562	38 706	23 846	156	3 093	232 837	16 990	10 764	9 772	9 046	5 492	0	3 069	44 369	277 206
	Sub-total	**195 449**	**80 744**	**111 670**	**108 504**	**49 218**	**1 994**	**6 765**	473 600	**32 384**	**12 786**	**13 701**	**12 143**	**6 829**	**742**	**6 425**	72 224	545 824
Rwanda		**474 841**	**171 188**	**298 937**	**328 615**	**178 747**	**6 423**	**20 060**	**1 307 623**	**92 189**	**36 319**	**44 813**	**50 317**	**31 049**	**3 375**	**19 155**	**240 898**	**1 548 521**

A 4.4.5. Total number of small livestock and poultry by province and district.

Province	District	CAPRINES					OVINES			PORCINES			Rabbits	POULTRY				Guinea pigs
		Goats (local race)	Goats (Lactatinglocal race)	Goats (Improved race)	Goats (Lactating hybrid /exotic races)	**Goats (All races)**	Sheeps (local race)	Sheeps (hybrid or exotic races)	**Sheeps (all race)**	Pigs (local race)	Pigs (Improved race)	**Pigs (all races)**		Hens (local race)	Hens (improved race)	**Hens (all races)**	Other poultry	
Kigali City	Nyarugenge	17 295	0	1 650	0	18 945	102	0	102	0	0	0	822	4 071	2 291	6 362	0	0
	Gasabo	41 727	879	808	0	42 535	1 104	322	1 426	589	467	1 056	10 469	33 298	2 174	35 472	1 841	468
	Kicukiro	14 624	0	717	0	15 341	4 229	0	4 229	879	0	879	2 225	5 029	2 607	7 637	0	1 172
	Sub-total:	**73 646**	**879**	**3 174**	**0**	**76 820**	**5 435**	**322**	**5 757**	**1 468**	**467**	**1 935**	**13 516**	**42 398**	**7 072**	**49 471**	**1 841**	**1 639**
South	Nyanza	43 322	178	5 177	0	48 499	1 216	1 179	2 396	1 958	619	2 578	21 901	47 698	10 002	57 699	0	394
	Gisagara	115 832	533	777	0	116 609	2 026	2 367	4 393	13 699	2 774	16 473	17 893	59 012	0	59 012	987	10 098
	Nyaruguru	48 780	0	1 835	0	50 615	10 074	3 578	13 652	15 643	1 189	16 832	18 355	8 646	211	8 857	1 671	11 962
	Huye	44 738	165	1 455	0	46 193	775	5 861	6 636	10 421	2 973	13 394	25 961	24 352	1 696	26 047	180	4 247
	Nyamagabe	65 030	854	4 231	0	69 261	13 871	8 722	22 593	22 726	5 543	28 268	24 129	22 452	2 419	24 871	729	11 567
	Ruhango	50 438	304	2 411	0	52 849	2 241	1 744	3 985	6 689	2 171	8 860	12 937	58 994	911	59 904	803	4 938
	Muhanga	36 886	2 062	2 718	0	39 604	7 413	4 727	12 140	26 053	5 532	31 585	52 125	30 987	506	31 492	2 590	10 090
	Kamonyi	42 583	1 718	1 213	0	43 796	1 898	1 614	3 512	4 185	808	4 993	9 568	28 496	1 430	29 926	225	0
	Sub-total:	**447 609**	**5 814**	**19 817**	**0**	**467 426**	**39 515**	**29 792**	**69 307**	**101 374**	**21 609**	**122 983**	**182 869**	**280 635**	**17 174**	**297 810**	**7 185**	**53 296**
West	Karongi	86 738	1 837	1 781	0	88 519	8 133	1 034	9 167	12 370	1 223	13 593	35 396	32 475	517	32 993	406	28 527
	Ngororero	42 240	608	4 658	0	46 898	15 211	5 227	20 438	15 660	17 079	32 738	42 134	14 589	1 819	16 408	1 114	26 255
	Nyabihu	41 102	533	5 243	0	46 345	26 020	1 126	27 146	6 457	166	6 623	1 217	15 109	1 753	16 862	928	3 959
	Rubavu	48 957	0	1 797	0	50 754	6 940	498	7 438	2 310	264	2 573	3 168	21 555	603	22 158	1 620	8 358
	Rutsiro	57 882	1 028	7 612	0	65 494	11 192	6 942	18 134	6 896	8 019	14 915	17 092	16 774	909	17 683	2 594	17 407
	Rusizi	58 339	508	0	0	58 339	2 617	2 261	4 878	14 798	1 572	16 370	5 558	45 632	163	45 795	3 476	26 484
	Nyamasheke	55 106	1 487	3 226	0	58 332	5 334	1 287	6 620	17 165	857	18 022	20 543	42 572	5 547	48 119	1 079	33 749
	Sub-total:	**390 364**	**6 001**	**24 317**	**0**	**414 681**	**75 448**	**18 374**	**93 822**	**75 655**	**29 179**	**104 833**	**125 109**	**188 705**	**11 312**	**200 017**	**11 215**	**144 740**
North	Rulindo	43 109	964	5 558	0	48 667	13 415	1 016	14 431	3 542	816	4 357	17 913	15 294	3 094	18 388	850	18 561
	Gakenke	39 624	613	8 172	0	47 796	36 676	1 104	37 779	8 627	2 311	10 938	27 273	24 106	3 845	27 951	998	39 897
	Musanze	32 118	531	2 960	0	35 078	23 259	5 640	28 899	8 446	2 099	10 545	10 495	14 451	2 102	16 552	994	2 832
	Burera	24 764	0	6 570	0	31 334	34 921	1 813	36 733	4 111	1 462	5 573	12 727	34 029	3 310	37 339	414	7 589
	Gicumbi	64 317	985	10 225	0	74 542	13 582	3 225	16 807	4 444	3 576	8 021	24 116	42 078	1 447	43 525	1 842	2 343
	Sub-total:	**203 932**	**3 092**	**33 485**	**0**	**237 417**	**121 852**	**12 797**	**134 649**	**29 170**	**10 265**	**39 434**	**92 525**	**129 957**	**13 797**	**143 755**	**5 098**	**71 223**
East	Bugesera	75 648	234	967	0	76 615	2 777	909	3 686	4 112	0	4 112	13 584	73 103	4 880	77 983	1 822	2 366
	Rwamagana	49 904	1 931	3 500	0	53 404	5 388	500	5 888	5 627	502	6 129	8 522	44 877	710	45 587	875	5 059
	Gatsibo	94 929	2 256	1 249	0	96 178	2 017	213	2 230	5 497	2 877	8 375	12 754	48 032	8 787	56 819	948	3 160
	Kayonza	44 129	761	212	0	44 341	240	261	501	3 393	0	3 393	2 797	28 912	0	28 912	567	0
	Kirehe	130 819	66 456	2 391	0	133 210	1 693	551	2 244	4 095	0	4 095	2 071	29 810	245	30 055	4 449	1 320
	Ngoma	70 420	593	161	0	70 581	548	2 705	3 254	10 110	2 341	12 451	10 938	39 365	1 768	41 133	3 603	3 288
	Nyagatare	63 243	127	2 295	0	65 538	1 538	127	1 666	3 093	0	3 093	9 828	53 510	1 388	54 899	122 282	6 028
	Sub-total:	**529 092**	**72 359**	**10 775**	**0**	**539 867**	**14 201**	**5 268**	**19 468**	**35 927**	**5 721**	**41 648**	**60 494**	**317 609**	**17 779**	**335 388**	**134 545**	**21 220**
Total		**1 644 642**	**88 145**	**91 569**	**0**	**1 736 211**	**256 450**	**66 552**	**323 002**	**243 593**	**67 240**	**310 833**	**474 512**	**959 306**	**67 135**	**1 026 440**	**159 884**	**292 118**

A 4.4.6a.Total number of births of livestock by province and district during Season 2008A

Province	District	Bovines	Caprines	Ovines	Porcines	Rabbits	Hens	Ducks	Turkeys	Guinea-pigs
Kigali City	Nyarugenge	335	9 415	0	0	0	2 078	0	0	0
	Gasabo	2 166	9 673	162	0	13 479	43 817	682	0	6 086
	Kicukiro	1 124	5 401	1 276	0	950	12 421	0	0	0
	Sub-total	**3 625**	**24 489**	**1 438**	**0**	**14 429**	**58 316**	**682**	**0**	**6 086**
South	Nyanza	5 838	11 979	6 054	790	18 557	60 689	0	0	11 180
	Gisagara	3 387	27 501	434	8 238	13 684	84 004	846	0	8 005
	Nyaruguru	5 018	16 484	3 203	14 176	14 830	5 912	0	510	12 290
	Huye	3 447	11 916	8 145	11 339	14 266	37 014	0	0	1 424
	Nyamagabe	5 106	16 719	2 086	16 473	21 585	22 456	2 756	0	6 735
	Ruhango	5 932	11 049	804	3 361	10 369	54 164	0	902	14 785
	Muhanga	8 670	5 865	1 384	10 571	46 398	16 054	0	1 544	2 745
	Kamonyi	8 411	13 606	460	3 847	22 559	36 054	0	1 887	11 696
	Sub-total	**45 808**	**115 118**	**22 570**	**68 795**	**162 248**	**316 348**	**3 602**	**4 842**	**68 860**
West	Karongi	6 486	19 199	2 241	4 983	27 019	40 394	186	0	20 681
	Ngororero	4 278	6 201	3 132	4 537	63 020	25 287	999	1 856	18 905
	Nyabihu	4 134	8 577	7 295	7 852	1 125	18 537	0	0	1 747
	Rubavu	2 463	29 002	5 806	2 220	2 585	25 570	717	6 199	7 676
	Rutsiro	6 633	16 560	12 450	2 733	9 747	16 986	0	947	12 227
	Rusizi	4 092	26 057	642	14 501	4 612	58 971	3 595	0	19 428
	Nyamasheke	7 664	25 491	4 127	13 728	10 577	17 068	0	579	23 050
	Sub-total	**35 750**	**131 088**	**35 692**	**50 554**	**118 685**	**202 813**	**5 496**	**9 581**	**103 714**
North	Rulindo	3 409	13 228	4 112	3 439	28 329	29 120	647	0	5 829
	Gakenke	6 649	8 161	10 987	2 459	15 668	25 833	692	333	56 707
	Musanze	3 758	4 128	4 396	2 378	3 978	11 685	331	0	1 643
	Burera	7 098	7 678	11 048	3 845	11 302	39 714	0	0	19 708
	Gicumbi	23 941	15 966	8 030	7 464	22 109	47 844	1 145	0	9 253
	Sub-total	**44 855**	**49 161**	**38 573**	**19 585**	**81 385**	**154 197**	**2 815**	**333**	**93 140**
East	Bugesera	5 790	52 662	291	6 210	3 198	148 665	4 994	4 466	2 204
	Rwamagana	7 043	25 449	1 453	1 707	3 710	82 290	1 490	0	14 484
	Gatsibo	8 898	30 164	342	2 817	14 129	72 852	1 128	0	1 427
	Kayonza	10 641	74 998	128	6 428	888	74 668	0	212	15 311
	Kirehe	9 313	34 376	515	3 812	3 277	59 159	2 414	0	1 744
	Ngoma	7 574	39 236	173	9 365	10 614	68 903	5 965	1 383	1 692
	Nyagatare	45 244	34 419	465	1 842	2 974	89 310	7 341	872	6 332
	Sub-total	**94 503**	**291 304**	**3 367**	**32 179**	**38 790**	**595 847**	**23 332**	**6 933**	**43 194**
Rwanda		**224 541**	**611 159**	**101 641**	**171 113**	**415 536**	**1 327 521**	**35 926**	**21 688**	**314 994**

A 4.4.6b. Total number of births of livestock by province and district during Season 2008B

Province	District	Bovines	Caprines	Ovines	Porcines	Rabbits	Hens	Ducks	Turkeys	Guinea-pigs
Kigali City	Nyarugenge	0	7 399	0	0	1 018	8 009	0	0	0
	Gasabo	2 902	8 833	547	1 304	6 144	34 078	0	0	17 541
	Kicukiro	3 129	5 212	1 520	1 025	0	29 875	0	0	586
	Sub-total	**6 031**	**21 444**	**2 067**	**2 329**	**7 162**	**71 963**	**0**	**0**	**18 126**
South	Nyanza	4 063	11 684	2 458	214	2 906	76 769	0	0	313
	Gisagara	2 728	27 442	821	6 685	48 747	153 936	0	269	23 477
	Nyaruguru	3 572	17 202	4 240	12 107	24 529	6 443	0	0	21 039
	Huye	4 407	16 720	563	8 286	31 855	41 492	0	6 551	4 094
	Nyamagabe	5 720	19 438	2 410	10 382	29 538	27 123	0	0	19 249
	Ruhango	11 435	9 494	1 867	4 663	13 184	94 332	1 342	1 082	24 931
	Muhanga	9 644	7 001	2 451	15 029	71 962	50 992	373	0	22 019
	Kamonyi	5 284	9 702	2 314	6 342	20 479	56 887	0	2 751	705
	Sub-total	**46 852**	**118 682**	**17 125**	**63 708**	**243 199**	**507 975**	**1 715**	**10 653**	**115 826**
West	Karongi	9 572	17 868	1 056	7 809	9 117	17 700	0	0	30 448
	Ngororero	5 027	11 376	11 448	12 648	103 367	30 656	0	0	39 031
	Nyabihu	4 442	19 228	13 764	11 185	4 227	26 864	1 859	0	30 417
	Rubavu	2 094	15 403	2 319	4 915	12 655	44 308	1 612	19 923	26 778
	Rutsiro	6 058	12 963	10 121	2 957	45 914	19 444	0	5 521	44 142
	Rusizi	2 231	27 897	1 117	11 404	7 229	159 589	12 383	0	60 099
	Nyamasheke	13 362	13 247	2 236	18 151	25 658	52 313	0	0	56 520
	Sub-total	**42 787**	**117 982**	**42 061**	**69 069**	**208 167**	**350 873**	**15 855**	**25 444**	**287 436**
North	Rulindo	5 800	7 447	1 949	3 496	42 236	14 303	0	323	8 537
	Gakenke	11 148	7 653	9 449	7 659	26 632	41 719	0	1 517	45 702
	Musanze	3 639	14 173	10 865	7 001	15 646	26 543	0	0	2 338
	Burera	7 571	4 247	10 760	2 448	27 406	51 149	0	0	19 374
	Gicumbi	9 103	20 235	11 409	5 036	43 782	66 520	0	0	34 043
	Sub-total	**37 262**	**53 756**	**44 432**	**25 640**	**155 701**	**200 234**	**0**	**1 840**	**109 994**
East	Bugesera	5 821	32 373	516	3 659	6 573	179 025	3 494	0	32 613
	Rwamagana	3 503	14 445	3 270	9 162	10 510	70 754	559	0	24 854
	Gatsibo	26 195	30 751	1 352	4 014	19 841	166 974	752	0	12 384
	Kayonza	6 511	25 389	102	6 617	8 384	56 618	1 359	605	3 446
	Kirehe	7 833	30 449	1 324	4 973	3 561	57 356	3 444	0	11 314
	Ngoma	9 503	46 256	157	14 919	10 187	105 691	2 286	0	29 300
	Nyagatare	12 771	19 549	520	2 887	11 079	92 419	23 703	697	65 443
	Sub-total	**72 137**	**199 212**	**7 241**	**46 230**	**70 135**	**728 837**	**35 597**	**1 303**	**179 353**
Rwanda		**205 069**	**511 076**	**112 927**	**206 976**	**684 365**	**1 859 882**	**53 167**	**39 241**	**710 735**

A 4.4.6c. Total number of births of livestock by province and district in 2008

Province	District	Bovines	Caprines	Ovines	Porcines	Rabbits	Hens	Ducks	Turkeys	Guinea-pigs
Kigali City	Nyarugenge	335	16 814	0	0	1 018	10 087	0	0	0
	Gasabo	5 068	18 506	709	1 304	19 623	77 895	682	0	23 627
	Kicukiro	4 253	10 613	2 796	1 025	950	42 296	0	0	586
	Sub-total	**9 656**	**45 933**	**3 505**	**2 329**	**21 591**	**130 279**	**682**	**0**	**24 212**
South	Nyanza	9 901	23 663	8 512	1 004	21 463	137 458	0	0	11 493
	Gisagara	6 115	54 943	1 255	14 923	62 431	237 940	846	269	31 482
	Nyaruguru	8 590	33 686	7 443	26 283	39 359	12 355	0	510	33 329
	Huye	7 854	28 636	8 708	19 625	46 121	78 506	0	6 551	5 518
	Nyamagabe	10 826	36 157	4 496	26 855	51 123	49 579	2 756	0	25 984
	Ruhango	17 367	20 543	2 671	8 024	23 553	148 496	1 342	1 984	39 716
	Muhanga	18 314	12 866	3 835	25 600	118 360	67 046	373	1 544	24 764
	Kamonyi	13 695	23 308	2 774	10 189	43 038	92 941	0	4 638	12 401
	Sub-total	**92 660**	**233 800**	**39 695**	**132 503**	**405 447**	**824 323**	**5 317**	**15 495**	**184 686**
West	Karongi	16 058	37 067	3 297	12 792	36 136	58 094	186	0	51 129
	Ngororero	9 305	17 577	14 580	17 185	166 387	55 943	999	1 856	57 936
	Nyabihu	8 576	27 805	21 059	19 037	5 352	45 401	1 859	0	32 164
	Rubavu	4 557	44 405	8 125	7 135	15 240	69 878	2 329	26 122	34 454
	Rutsiro	12 691	29 523	22 571	5 690	55 661	36 430	0	6 468	56 369
	Rusizi	6 323	53 954	1 759	25 905	11 841	218 560	15 978	0	79 527
	Nyamasheke	21 026	38 738	6 363	31 879	36 235	69 381	0	579	79 570
	Sub-total	**78 537**	**249 070**	**77 753**	**119 623**	**326 852**	**553 686**	**21 351**	**35 025**	**391 150**
North	Rulindo	9 209	20 675	6 061	6 935	70 565	43 423	647	323	14 366
	Gakenke	17 797	15 814	20 436	10 118	42 300	67 552	692	1 850	102 409
	Musanze	7 397	18 301	15 261	9 379	19 624	38 228	331	0	3 981
	Burera	14 669	11 925	21 808	6 293	38 708	90 863	0	0	39 082
	Gicumbi	33 044	36 201	19 439	12 500	65 891	114 364	1 145	0	43 296
	Sub-total	**82 117**	**102 917**	**83 005**	**45 225**	**237 086**	**354 431**	**2 815**	**2 173**	**203 134**
East	Bugesera	11 611	85 035	807	9 869	9 771	327 690	8 488	4 466	34 817
	Rwamagana	10 546	39 894	4 723	10 869	14 220	153 044	2 049	0	39 338
	Gatsibo	35 093	60 915	1 694	6 831	33 970	239 826	1 880	0	13 811
	Kayonza	17 152	100 387	230	13 045	9 272	131 286	1 359	817	18 757
	Kirehe	17 146	64 825	1 839	8 785	6 838	116 515	5 858	0	13 058
	Ngoma	17 077	85 492	330	24 284	20 801	174 594	8 251	1 383	30 992
	Nyagatare	58 015	53 968	985	4 729	14 053	181 729	31 044	1 569	71 775
	Sub-total	**166 640**	**490 516**	**10 608**	**78 409**	**108 925**	**1 324 684**	**58 929**	**8 236**	**222 547**
Rwanda		**429 610**	**1 122 235**	**214 568**	**378 089**	**1 099 901**	**3 187 403**	**89 093**	**60 929**	**1 025 729**

A 4.4.7a. Total number of deaths of livestock by Province and District during Season 2008A

Province	District	Bovines	Caprines	Ovines	Porcines	Rabbits	Hens	Ducks	Turkeys	Guinea-pigs
Kigali City	Nyarugenge	0	1 027	102	0	353	2 408	0	0	0
	Gasabo	267	2 980	134	0	4 745	16 236	273	0	0
	Kicukiro	0	893	271	0	1 028	3 489	0	0	0
	Sub-total	**267**	**4 900**	**507**	**0**	**6 126**	**22 133**	**273**	**0**	**0**
South	Nyanza	479	2 748	169	508	1 152	22 524	0	0	0
	Gisagara	206	7 219	0	2 151	4 689	37 018	774	0	3 806
	Nyaruguru	1 045	5 378	3 288	1 789	6 825	2 595	0	493	1 675
	Huye	2 782	1 699	262	2 106	8 108	20 084	0	0	3 916
	Nyamagabe	968	4 105	2 175	7 627	10 587	14 519	0	0	1 826
	Ruhango	1 118	3 775	0	335	5 159	30 449	0	0	1 404
	Muhanga	1 071	1 079	485	4 169	19 463	8 006	0	3 915	782
	Kamonyi	1 137	4 598	0	1 469	6 804	16 912	158	0	567
	Sub-total	**8 804**	**30 603**	**6 379**	**20 154**	**62 786**	**152 107**	**932**	**4 408**	**13 976**
West	Karongi	1 056	8 237	1 542	1 048	11 942	17 103	0	0	8 719
	Ngororero	790	3 315	2 482	2 003	30 974	21 556	999	2 993	12 550
	Nyabihu	577	3 377	2 197	1 315	0	6 042	465	0	861
	Rubavu	304	6 772	298	5 168	2 287	13 974	358	904	2 371
	Rutsiro	1 657	12 525	6 006	1 117	5 212	7 198	1 142	457	4 887
	Rusizi	120	7 407	250	4 025	4 580	39 679	1 803	0	5 769
	Nyamasheke	1 672	8 022	538	2 891	6 634	15 311	0	0	9 777
	Sub-total	**6 176**	**49 656**	**13 313**	**17 567**	**61 629**	**120 863**	**4 767**	**4 354**	**44 932**
North	Rulindo	2 770	4 511	1 387	871	3 839	10 907	3 395	0	496
	Gakenke	507	2 623	7 441	1 048	12 308	4 256	166	166	12 382
	Musanze	2 255	3 633	3 463	910	726	20 072	0	0	177
	Burera	279	1 599	1 691	0	4 018	19 809	0	0	3 637
	Gicumbi	362	9 024	1 977	1 853	9 102	19 405	982	0	0
	Sub-total	**6 173**	**21 390**	**15 958**	**4 682**	**29 993**	**74 449**	**4 543**	**166**	**16 692**
East	Bugesera	401	10 185	135	3 319	2 542	104 433	2 025	957	2 122
	Rwamagana	319	2 275	347	358	168	30 595	1 304	0	0
	Gatsibo	1 859	7 505	218	507	6 725	37 776	1 128	0	518
	Kayonza	1 096	6 534	0	721	742	25 122	0	106	0
	Kirehe	2 601	6 355	0	660	983	29 404	396	0	377
	Ngoma	321	2 655	0	1 286	4 818	42 512	3 247	1 210	349
	Nyagatare	3 112	3 250	185	503	1 235	60 181	4 498	0	796
	Sub-total	**9 709**	**38 760**	**886**	**7 353**	**17 213**	**330 022**	**12 598**	**2 273**	**4 162**
Rwanda		**31 130**	**145 309**	**37 043**	**49 757**	**177 748**	**699 575**	**23 112**	**11 202**	**79 762**

A 4.4.7b. Total number of deaths of livestock by province and district during Season 2008B

Province	District	Bovines	Caprines	Ovines	Porcines	Rabbits	Hens	Ducks	Turkeys	Guinea-pigs
Kigali City	Nyarugenge	175	876	0	0	0	4 180	0	0	0
	Gasabo	639	2 597	324	451	5 894	16 515	322	145	145
	Kicukiro	533	1 829	554	146	407	11 562	0	0	293
	Sub-total	**1 346**	**5 303**	**878**	**598**	**6 301**	**32 257**	**322**	**145**	**438**
South	Nyanza	345	2 126	153	275	321	24 664	333	0	0
	Gisagara	206	5 803	168	3 835	19 212	86 783	705	0	9 237
	Nyaruguru	678	3 849	289	8 066	12 121	9 904	0	0	5 026
	Huye	918	2 649	152	8 766	10 450	22 198	0	0	3 867
	Nyamagabe	366	3 575	1 335	14 317	13 130	14 691	0	0	9 709
	Ruhango	2 411	2 242	1 492	1 010	5 383	51 191	455	1 623	7 947
	Muhanga	151	2 249	673	4 304	37 544	10 208	0	0	7 313
	Kamonyi	964	1 477	0	2 384	7 448	22 939	0	397	0
	Sub-total	**6 039**	**23 971**	**4 261**	**42 957**	**105 609**	**242 578**	**1 492**	**2 019**	**43 099**
West	Karongi	995	5 805	0	2 725	7 183	11 642	0	0	1 176
	Ngororero	361	3 885	1 963	4 731	58 837	13 415	0	453	18 159
	Nyabihu	479	4 217	2 614	2 042	1 213	17 670	1 240	0	5 051
	Rubavu	2 634	5 709	0	2 675	9 076	16 567	358	303	5 169
	Rutsiro	107	3 596	1 115	923	13 534	14 114	326	2 377	20 612
	Rusizi	997	5 589	729	4 297	6 390	47 117	6 124	0	38 160
	Nyamasheke	2 126	5 588	2 367	9 203	17 019	30 773	0	0	13 692
	Sub-total	**7 700**	**34 390**	**8 788**	**26 596**	**113 250**	**151 297**	**8 048**	**3 132**	**102 018**
North	Rulindo	228	1 970	1 138	1 361	15 528	6 568	0	0	2 451
	Gakenke	722	1 379	4 235	2 048	7 451	13 814	864	1 899	11 454
	Musanze	143	2 979	1 315	1 146	6 772	24 245	0	0	1 472
	Burera	332	144	2 274	367	10 389	15 119	0	0	10 318
	Gicumbi	186	7 563	2 372	3 941	13 406	26 383	0	0	281
	Sub-total	**1 612**	**14 034**	**11 333**	**8 864**	**53 547**	**86 130**	**864**	**1 899**	**25 977**
East	Bugesera	413	10 440	325	633	5 276	87 830	2 837	0	1 774
	Rwamagana	561	4 103	485	1 433	3 000	26 433	559	0	1 219
	Gatsibo	2 510	6 516	912	355	9 574	55 668	1 080	0	908
	Kayonza	341	4 358	150	928	3 439	25 509	604	0	0
	Kirehe	1 583	7 748	497	244	123	19 448	1 007	1 321	1 833
	Ngoma	314	5 741	0	3 211	6 875	41 446	316	0	2 264
	Nyagatare	1 494	4 435	686	491	8 508	44 156	5 300	0	4 222
	Sub-total	**7 216**	**43 341**	**3 055**	**7 295**	**36 794**	**300 490**	**11 703**	**1 321**	**12 220**
Rwanda		**23 914**	**121 039**	**28 314**	**86 309**	**315 502**	**812 752**	**22 430**	**8 517**	**183 752**

A 4.4.7c. Total number of deaths of livestock by province and district in 2008

Province	District	Bovines	Caprines	Ovines	Porcines	Rabbits	Hens	Ducks	Turkeys	Guinea-pigs
Kigali City	Nyarugenge	175	1 903	102	0	353	6 588	0	0	0
	Gasabo	906	5 577	458	451	10 639	32 751	595	145	145
	Kicukiro	533	2 722	825	146	1 435	15 051	0	0	293
	Sub-total	**1 613**	**10 203**	**1 385**	**598**	**12 427**	**54 390**	**595**	**145**	**438**
South	Nyanza	824	4 874	322	783	1 473	47 188	333	0	0
	Gisagara	412	13 022	168	5 986	23 901	123 801	1 479	0	13 043
	Nyaruguru	1 723	9 227	3 577	9 855	18 946	12 499	0	493	6 701
	Huye	3 700	4 348	414	10 872	18 558	42 282	0	0	7 783
	Nyamagabe	1 334	7 680	3 510	21 944	23 717	29 210	0	0	11 535
	Ruhango	3 529	6 017	1 492	1 345	10 542	81 640	455	1 623	9 351
	Muhanga	1 222	3 328	1 158	8 473	57 007	18 214	0	3 915	8 095
	Kamonyi	2 101	6 075	0	3 853	14 252	39 851	158	397	567
	Sub-total	**14 843**	**54 574**	**10 640**	**63 111**	**168 395**	**394 685**	**2 424**	**6 427**	**57 075**
West	Karongi	2 051	14 042	1 542	3 773	19 125	28 745	0	0	9 895
	Ngororero	1 151	7 200	4 445	6 734	89 811	34 971	999	3 446	30 709
	Nyabihu	1 056	7 594	4 811	3 357	1 213	23 712	1 705	0	5 912
	Rubavu	2 938	12 481	298	7 843	11 363	30 541	716	1 207	7 540
	Rutsiro	1 764	16 121	7 121	2 040	18 746	21 312	1 468	2 834	25 499
	Rusizi	1 117	12 996	979	8 322	10 970	86 796	7 927	0	43 929
	Nyamasheke	3 798	13 610	2 905	12 094	23 653	46 084	0	0	23 469
	Sub-total	**13 876**	**84 046**	**22 101**	**44 163**	**174 879**	**272 160**	**12 815**	**7 486**	**146 950**
North	Rulindo	2 998	6 481	2 525	2 232	19 367	17 475	3 395	0	2 947
	Gakenke	1 229	4 002	11 676	3 096	19 759	18 070	1 030	2 065	23 836
	Musanze	2 398	6 612	4 778	2 056	7 498	44 317	0	0	1 649
	Burera	611	1 743	3 965	367	14 407	34 928	0	0	13 955
	Gicumbi	548	16 587	4 349	5 794	22 508	45 788	982	0	281
	Sub-total	**7 785**	**35 424**	**27 291**	**13 546**	**83 540**	**160 579**	**5 407**	**2 065**	**42 669**
East	Bugesera	814	20 625	460	3 952	7 818	192 263	4 862	957	3 896
	Rwamagana	880	6 378	832	1 791	3 168	57 028	1 863	0	1 219
	Gatsibo	4 369	14 021	1 130	862	16 299	93 444	2 208	0	1 426
	Kayonza	1 437	10 892	150	1 649	4 181	50 631	604	106	0
	Kirehe	4 184	14 103	497	904	1 106	48 852	1 403	1 321	2 210
	Ngoma	635	8 396	0	4 497	11 693	83 958	3 563	1 210	2 613
	Nyagatare	4 606	7 685	871	994	9 743	104 337	9 798	0	5 018
	Sub-total	**16 925**	**82 101**	**3 941**	**14 648**	**54 007**	**630 512**	**24 301**	**3 594**	**16 382**
Rwanda		**55 044**	**266 348**	**65 357**	**136 066**	**493 250**	**1 512 327**	**45 542**	**19 719**	**263 514**

A 4.4.8a1. Animal products by province and district during Season 2008A

Province	District	Cow milk (L)	Other milk (L)	Milk total (L)	Hen eggs (pces)	Other eggs (pces)	Eggs Total (pces)	Butter (Kg)	Lard (Kg)
Kigali City	Nyarugenge	182 764	0	182 764	60 488	0	60 488	0	0
	Gasabo	1 018 994	0	1 018 994	247 777	1 456	249 233	12 811	0
	Kicukiro	1 968 737	26 074	1 994 811	34 025	0	34 025	0	0
	Sub-total	**3 170 495**	**26 074**	**3 196 569**	**342 290**	**1 456**	**343 746**	**12 811**	**0**
South	Nyanza	2 084 785	18 619	2 103 404	166 594	10 663	177 257	8 638	0
	Gisagara	707 454	76 796	784 250	173 238	7 427	180 665	915	0
	Nyaruguru	1 335 905	18 722	1 354 627	139 487	7 678	147 165	2 830	0
	Huye	592 072	0	592 072	150 420	1 512	151 932	22 565	0
	Nyamagabe	717 013	16 566	733 579	75 795	10 274	86 069	14 787	0
	Ruhango	1 613 750	33 699	1 647 449	276 066	15 730	291 796	2 127	5 696
	Muhanga	1 394 846	13 728	1 408 574	475 509	23 436	498 945	6 501	0
	Kamonyi	2 733 291	72 420	2 805 711	432 851	14 331	447 182	5 360	0
	Sub-total	**11 179 115**	**250 551**	**11 429 666**	**1 889 961**	**91 050**	**1 981 011**	**63 723**	**5 696**
West	Karongi	1 086 746	7 904	1 094 650	306 371	5 079	311 451	2 818	0
	Ngororero	486 890	25 332	512 222	112 331	735	113 067	1 518	0
	Nyabihu	1 171 340	13 201	1 184 542	95 382	2 169	97 551	74	0
	Rubavu	640 577	56 723	697 300	54 132	3 336	57 468	0	0
	Rutsiro	711 340	29 621	740 961	121 743	0	121 743	317	0
	Rusizi	494 168	6 066	500 234	116 845	5 424	122 269	0	0
	Nyamasheke	484 288	67 085	551 372	177 745	13 584	191 329	12 258	0
	Sub-total	**5 075 349**	**205 932**	**5 281 281**	**984 550**	**30 327**	**1 014 877**	**16 984**	**0**
North	Rulindo	262 791	0	262 791	136 552	14 285	150 837	419	0
	Gakenke	400 429	0	400 429	271 711	14 786	286 496	476	0
	Musanze	547 052	0	547 052	115 003	7 801	122 803	0	0
	Burera	1 071 186	1 931	1 073 116	223 655	2 923	226 579	263	0
	Gicumbi	2 219 622	231 848	2 451 470	183 231	11 870	195 101	21 290	0
	Sub-total	**4 501 079**	**233 779**	**4 734 858**	**930 151**	**51 665**	**981 816**	**22 448**	**0**
East	Bugesera	581 778	10 644	592 422	85 702	4 490	90 192	0	0
	Rwamagana	1 506 142	150	1 506 292	117 068	4 786	121 854	22 108	0
	Gatsibo	700 118	13 108	713 226	172 822	3 716	176 538	8 914	0
	Kayonza	378 669	61 324	439 993	189 061	16 384	205 445	2 927	0
	Kirehe	807 960	0	807 960	119 986	0	119 986	2 712	0
	Ngoma	611 504	23 575	635 078	129 276	2 394	131 670	0	0
	Nyagatare	16 381 809	152 193	16 534 003	187 184	15 366	202 550	13 196	0
	Sub-total	**20 967 981**	**260 994**	**21 228 974**	**1 001 099**	**47 136**	**1 048 235**	**49 857**	**0**
Rwanda		**44 894 019**	**977 329**	**45 871 348**	**5 148 051**	**221 634**	**5 369 686**	**165 824**	**5 696**

A 4.4.8a2. Animal products (%) by province and district during Season 2008A

Province	District	Cow milk (L)	Other milk (L)	Milk total (L)	Hen eggs (pces)	Other eggs (pces)	Eggs Total (pces)	Butter (Kg)	Lard (Kg)
Kigali City	Nyarugenge	0.4%	0.0%	0.4%	1.2%	0.0%	1.1%	0.0%	0.0%
	Gasabo	2.3%	0.0%	2.2%	4.8%	0.7%	4.6%	7.7%	0.0%
	Kicukiro	4.4%	2.7%	4.3%	0.7%	0.0%	0.6%	0.0%	0.0%
	Sub-total	**7.1%**	**2.7%**	**7.0%**	**6.6%**	**0.7%**	**6.4%**	**7.7%**	**0.0%**
South	Nyanza	4.6%	1.9%	4.6%	3.2%	4.8%	3.3%	5.2%	0.0%
	Gisagara	1.6%	7.9%	1.7%	3.4%	3.4%	3.4%	0.6%	0.0%
	Nyaruguru	3.0%	1.9%	3.0%	2.7%	3.5%	2.7%	1.7%	0.0%
	Huye	1.3%	0.0%	1.3%	2.9%	0.7%	2.8%	13.6%	0.0%
	Nyamagabe	1.6%	1.7%	1.6%	1.5%	4.6%	1.6%	8.9%	0.0%
	Ruhango	3.6%	3.4%	3.6%	5.4%	7.1%	5.4%	1.3%	100.0%
	Muhanga	3.1%	1.4%	3.1%	9.2%	10.6%	9.3%	3.9%	0.0%
	Kamonyi	6.1%	7.4%	6.1%	8.4%	6.5%	8.3%	3.2%	0.0%
	Sub-total	**24.9%**	**25.6%**	**24.9%**	**36.7%**	**41.1%**	**36.9%**	**38.4%**	**100.0%**
West	Karongi	2.4%	0.8%	2.4%	6.0%	2.3%	5.8%	1.7%	0.0%
	Ngororero	1.1%	2.6%	1.1%	2.2%	0.3%	2.1%	0.9%	0.0%
	Nyabihu	2.6%	1.4%	2.6%	1.9%	1.0%	1.8%	0.0%	0.0%
	Rubavu	1.4%	5.8%	1.5%	1.1%	1.5%	1.1%	0.0%	0.0%
	Rutsiro	1.6%	3.0%	1.6%	2.4%	0.0%	2.3%	0.2%	0.0%
	Rusizi	1.1%	0.6%	1.1%	2.3%	2.4%	2.3%	0.0%	0.0%
	Nyamasheke	1.1%	6.9%	1.2%	3.5%	6.1%	3.6%	7.4%	0.0%
	Sub-total	**11.3%**	**21.1%**	**11.5%**	**19.1%**	**13.7%**	**18.9%**	**10.2%**	**0.0%**
North	Rulindo	0.6%	0.0%	0.6%	2.7%	6.4%	2.8%	0.3%	0.0%
	Gakenke	0.9%	0.0%	0.9%	5.3%	6.7%	5.3%	0.3%	0.0%
	Musanze	1.2%	0.0%	1.2%	2.2%	3.5%	2.3%	0.0%	0.0%
	Burera	2.4%	0.2%	2.3%	4.3%	1.3%	4.2%	0.2%	0.0%
	Gicumbi	4.9%	23.7%	5.3%	3.6%	5.4%	3.6%	12.8%	0.0%
	Sub-total	**10.0%**	**23.9%**	**10.3%**	**18.1%**	**23.3%**	**18.3%**	**13.5%**	**0.0%**
East	Bugesera	1.3%	1.1%	1.3%	1.7%	2.0%	1.7%	0.0%	0.0%
	Rwamagana	3.4%	0.0%	3.3%	2.3%	2.2%	2.3%	13.3%	0.0%
	Gatsibo	1.6%	1.3%	1.6%	3.4%	1.7%	3.3%	5.4%	0.0%
	Kayonza	0.8%	6.3%	1.0%	3.7%	7.4%	3.8%	1.8%	0.0%
	Kirehe	1.8%	0.0%	1.8%	2.3%	0.0%	2.2%	1.6%	0.0%
	Ngoma	1.4%	2.4%	1.4%	2.5%	1.1%	2.5%	0.0%	0.0%
	Nyagatare	36.5%	15.6%	36.0%	3.6%	6.9%	3.8%	8.0%	0.0%
	Sub-total	**46.7%**	**26.7%**	**46.3%**	**19.4%**	**21.3%**	**19.5%**	**30.1%**	**0.0%**
Rwanda		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

A 4.4.8b1. Animal products by province and district during Season 2008B

Province	District	Cow milk (L)	Other milk (L)	Milk total (L)	Hen eggs (pces)	Other eggs (pces)	Eggs Total (pces)	Butter (Kg)	Lard (Kg)
Kigali City	Nyarugenge	88 274	0	88 274	114 295	0	114 295	0	0
	Gasabo	1 370 889	46 709	1 417 597	144 432	18 391	162 824	134	0
	Kicukiro	1 130 107	0	1 130 107	78 414	0	78 414	0	0
	Sub-total	**2 589 270**	**46 709**	**2 635 979**	**337 141**	**18 391**	**355 533**	**134**	**0**
South	Nyanza	3 678 564	193 692	3 872 256	373 532	9 186	382 718	7 343	0
	Gisagara	549 484	12 855	562 339	238 456	26 362	264 819	39 953	0
	Nyaruguru	834 737	0	834 737	120 610	7 248	127 859	2 746	1 829
	Huye	2 905 973	20 240	2 926 214	278 245	1 466	279 711	2 689	754
	Nyamagabe	989 129	18 743	1 007 872	145 152	14 215	159 366	450	0
	Ruhango	3 926 747	14 910	3 941 657	372 558	5 912	378 470	2 000	2 373
	Muhanga	3 450 399	35 895	3 486 294	611 883	13 176	625 059	7 454	0
	Kamonyi	2 686 189	37 541	2 723 730	635 405	14 729	650 134	2 475	0
	Sub-total	**19 021 221**	**333 878**	**19 355 099**	**2 775 841**	**92 296**	**2 868 137**	**65 109**	**4 957**
West	Karongi	1 371 482	23 657	1 395 139	246 197	993	247 190	3 359	0
	Ngororero	981 790	6 521	988 311	175 197	2 981	178 178	605	0
	Nyabihu	1 966 665	80 500	2 047 165	82 085	0	82 085	0	0
	Rubavu	1 657 451	47 564	1 705 015	117 419	1 613	119 032	0	0
	Rutsiro	1 188 399	12 881	1 201 281	118 994	0	118 994	7 767	0
	Rusizi	487 769	0	487 769	278 885	8 887	287 772	0	0
	Nyamasheke	4 674 855	60 534	4 735 389	450 561	22 956	473 517	0	0
	Sub-total	**12 328 412**	**231 656**	**12 560 068**	**1 469 339**	**37 430**	**1 506 769**	**11 731**	**0**
North	Rulindo	800 011	18 340	818 351	170 200	8 895	179 095	300	0
	Gakenke	718 489	22 239	740 728	234 886	17 349	252 235	3 306	0
	Musanze	1 895 792	24 622	1 920 414	160 016	1 989	162 004	0	0
	Burera	533 373	0	533 373	542 173	5 378	547 551	0	0
	Gicumbi	4 377 112	38 578	4 415 690	206 346	13 962	220 308	7 013	0
	Sub-total	**8 324 777**	**103 779**	**8 428 556**	**1 313 620**	**47 573**	**1 361 193**	**10 619**	**0**
East	Bugesera	834 287	4 649	838 936	246 180	4 552	250 732	0	135
	Rwamagana	2 362 276	69 368	2 431 644	167 314	17 327	184 641	3 684	0
	Gatsibo	3 569 459	84 854	3 654 313	438 006	2 997	441 002	23 798	4 191
	Kayonza	1 118 141	56 393	1 174 534	91 041	10 839	101 880	980	0
	Kirehe	1 291 796	9 238	1 301 033	98 518	2 569	101 087	0	0
	Ngoma	1 343 719	16 739	1 360 457	140 684	2 444	143 128	0	0
	Nyagatare	17 652 749	134 987	17 787 735	122 289	2 371	124 660	7 941	0
	Sub-total	**28 172 426**	**376 227**	**28 548 653**	**1 304 032**	**43 098**	**1 347 130**	**36 403**	**4 326**
Rwanda		**70 436 105**	**1 092 250**	**71 528 355**	**7 199 974**	**238 787**	**7 438 761**	**123 997**	**9 282**

A 4.4.8b2. Animal products (%) by province and district during Season 2008B

Province	District	Cow milk (L)	Other milk (L)	Milk total (L)	Hen eggs (pces)	Other eggs (pces)	Eggs Total (pces)	Butter (Kg)	Lard (Kg)
Kigali City	Nyarugenge	0.4%	0.0%	0.4%	1.2%	0.0%	1.1%	0.0%	0.0%
	Gasabo	2.3%	0.0%	2.2%	4.8%	0.7%	4.6%	7.7%	0.0%
	Kicukiro	4.4%	2.7%	4.3%	0.7%	0.0%	0.6%	0.0%	0.0%
	Sub-total	**7.1%**	**2.7%**	**7.0%**	**6.6%**	**0.7%**	**6.4%**	**7.7%**	**0.0%**
South	Nyanza	4.6%	1.9%	4.6%	3.2%	4.8%	3.3%	5.2%	0.0%
	Gisagara	1.6%	7.9%	1.7%	3.4%	3.4%	3.4%	0.6%	0.0%
	Nyaruguru	3.0%	1.9%	3.0%	2.7%	3.5%	2.7%	1.7%	0.0%
	Huye	1.3%	0.0%	1.3%	2.9%	0.7%	2.8%	13.6%	0.0%
	Nyamagabe	1.6%	1.7%	1.6%	1.5%	4.6%	1.6%	8.9%	0.0%
	Ruhango	3.6%	3.4%	3.6%	5.4%	7.1%	5.4%	1.3%	100.0%
	Muhanga	3.1%	1.4%	3.1%	9.2%	10.6%	9.3%	3.9%	0.0%
	Kamonyi	6.1%	7.4%	6.1%	8.4%	6.5%	8.3%	3.2%	0.0%
	Sub-total	**24.9%**	**25.6%**	**24.9%**	**36.7%**	**41.1%**	**36.9%**	**38.4%**	**100.0%**
West	Karongi	2.4%	0.8%	2.4%	6.0%	2.3%	5.8%	1.7%	0.0%
	Ngororero	1.1%	2.6%	1.1%	2.2%	0.3%	2.1%	0.9%	0.0%
	Nyabihu	2.6%	1.4%	2.6%	1.9%	1.0%	1.8%	0.0%	0.0%
	Rubavu	1.4%	5.8%	1.5%	1.1%	1.5%	1.1%	0.0%	0.0%
	Rutsiro	1.6%	3.0%	1.6%	2.4%	0.0%	2.3%	0.2%	0.0%
	Rusizi	1.1%	0.6%	1.1%	2.3%	2.4%	2.3%	0.0%	0.0%
	Nyamasheke	1.1%	6.9%	1.2%	3.5%	6.1%	3.6%	7.4%	0.0%
	Sub-total	**11.3%**	**21.1%**	**11.5%**	**19.1%**	**13.7%**	**18.9%**	**10.2%**	**0.0%**
North	Rulindo	0.6%	0.0%	0.6%	2.7%	6.4%	2.8%	0.3%	0.0%
	Gakenke	0.9%	0.0%	0.9%	5.3%	6.7%	5.3%	0.3%	0.0%
	Musanze	1.2%	0.0%	1.2%	2.2%	3.5%	2.3%	0.0%	0.0%
	Burera	2.4%	0.2%	2.3%	4.3%	1.3%	4.2%	0.2%	0.0%
	Gicumbi	4.9%	23.7%	5.3%	3.6%	5.4%	3.6%	12.8%	0.0%
	Sub-total	**10.0%**	**23.9%**	**10.3%**	**18.1%**	**23.3%**	**18.3%**	**13.5%**	**0.0%**
East	Bugesera	1.3%	1.1%	1.3%	1.7%	2.0%	1.7%	0.0%	0.0%
	Rwamagana	3.4%	0.0%	3.3%	2.3%	2.2%	2.3%	13.3%	0.0%
	Gatsibo	1.6%	1.3%	1.6%	3.4%	1.7%	3.3%	5.4%	0.0%
	Kayonza	0.8%	6.3%	1.0%	3.7%	7.4%	3.8%	1.8%	0.0%
	Kirehe	1.8%	0.0%	1.8%	2.3%	0.0%	2.2%	1.6%	0.0%
	Ngoma	1.4%	2.4%	1.4%	2.5%	1.1%	2.5%	0.0%	0.0%
	Nyagatare	36.5%	15.6%	36.0%	3.6%	6.9%	3.8%	8.0%	0.0%
	Sub-total	**46.7%**	**26.7%**	**46.3%**	**19.4%**	**21.3%**	**19.5%**	**30.1%**	**0.0%**
Rwanda		**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

A 4.4.8c1. Animal products by province and district in 2008

Province	District	Cow milk (L)	Other milk (L)	Milk total (L)	Hen eggs (pces)	Other eggs (pces)	Eggs Total (pces)	Butter (Kg)	Lard (Kg)
Kigali City	Nyarugenge	271 038	0	271 038	174 783	0	174 783	0	0
	Gasabo	2 389 883	46 709	2 436 591	392 209	19 847	412 057	12 945	0
	Kicukiro	3 098 844	26 074	3 124 918	112 439	0	112 439	0	0
	Sub-total	**5 759 765**	**72 783**	**5 832 548**	**679 431**	**19 847**	**699 279**	**12 945**	**0**
South	Nyanza	5 763 349	212 311	5 975 660	540 126	19 849	559 975	15 981	0
	Gisagara	1 256 938	89 651	1 346 589	411 694	33 789	445 484	40 868	0
	Nyaruguru	2 170 642	18 722	2 189 364	260 097	14 926	275 024	5 576	1 829
	Huye	3 498 045	20 240	3 518 286	428 665	2 978	431 643	25 254	754
	Nyamagabe	1 706 142	35 309	1 741 451	220 947	24 489	245 435	15 237	0
	Ruhango	5 540 497	48 609	5 589 106	648 624	21 642	670 266	4 127	8 069
	Muhanga	4 845 245	49 623	4 894 868	1 087 392	36 612	1 124 004	13 955	0
	Kamonyi	5 419 480	109 961	5 529 441	1 068 256	29 060	1 097 316	7 835	0
	Sub-total	**30 200 336**	**584 429**	**30 784 765**	**4 665 802**	**183 346**	**4 849 148**	**128 832**	**10 653**
West	Karongi	2 458 228	31 561	2 489 789	552 568	6 072	558 641	6 177	0
	Ngororero	1 468 680	31 853	1 500 533	287 528	3 716	291 245	2 123	0
	Nyabihu	3 138 005	93 701	3 231 707	177 467	2 169	179 636	74	0
	Rubavu	2 298 028	104 287	2 402 315	171 551	4 949	176 500	0	0
	Rutsiro	1 899 739	42 502	1 942 242	240 737	0	240 737	8 084	0
	Rusizi	981 937	6 066	988 003	395 730	14 311	410 041	0	0
	Nyamasheke	5 159 143	127 619	5 286 761	628 306	36 540	664 846	12 258	0
	Sub-total	**17 403 761**	**437 588**	**17 841 349**	**2 453 889**	**67 757**	**2 521 646**	**28 715**	**0**
North	Rulindo	1 062 802	18 340	1 081 142	306 752	23 180	329 932	719	0
	Gakenke	1 118 918	22 239	1 141 157	506 597	32 135	538 731	3 782	0
	Musanze	2 442 844	24 622	2 467 466	275 019	9 790	284 807	0	0
	Burera	1 604 559	1 931	1 606 489	765 828	8 301	774 130	263	0
	Gicumbi	6 596 734	270 426	6 867 160	389 577	25 832	415 409	28 303	0
	Sub-total	**12 825 856**	**337 558**	**13 163 414**	**2 243 771**	**99 238**	**2 343 009**	**33 067**	**0**
East	Bugesera	1 416 065	15 293	1 431 358	331 882	9 042	340 924	0	135
	Rwamagana	3 868 418	69 518	3 937 936	284 382	22 113	306 495	25 792	0
	Gatsibo	4 269 577	97 962	4 367 539	610 828	6 713	617 540	32 712	4 191
	Kayonza	1 496 810	117 717	1 614 527	280 102	27 223	307 325	3 907	0
	Kirehe	2 099 756	9 238	2 108 993	218 504	2 569	221 073	2 712	0
	Ngoma	1 955 223	40 314	1 995 535	269 960	4 838	274 798	0	0
	Nyagatare	34 034 558	287 180	34 321 738	309 473	17 737	327 210	21 137	0
	Sub-total	**49 140 407**	**637 221**	**49 777 627**	**2 305 131**	**90 234**	**2 395 365**	**86 260**	**4 326**
Rwanda		**115 330 124**	**2 069 579**	**117 399 703**	**12 348 025**	**460 421**	**12 808 447**	**289 821**	**14 978**

A 4.4.8c2. Animal products (%) by province and district in 2008

Province	District	Cow milk (L)	Other milk (L)	Milk total (L)	Hen eggs (pces)	Other eggs (pces)	Eggs Total (pces)	Butter (Kg)	Lard (Kg)
Kigali City	Nyarugenge	0.2%	0.0%	0.2%	1.4%	0.0%	1.4%	0.0%	0.0%
	Gasabo	2.1%	2.3%	2.1%	3.2%	4.3%	3.2%	4.5%	0.0%
	Kicukiro	2.7%	1.3%	2.7%	0.9%	0.0%	0.9%	0.0%	0.0%
	Sub-total	**5.0%**	**3.5%**	**5.0%**	**5.5%**	**4.3%**	**5.5%**	**4.5%**	**0.0%**
South	Nyanza	5.0%	10.3%	5.1%	4.4%	4.3%	4.4%	5.5%	0.0%
	Gisagara	1.1%	4.3%	1.1%	3.3%	7.3%	3.5%	14.1%	0.0%
	Nyaruguru	1.9%	0.9%	1.9%	2.1%	3.2%	2.1%	1.9%	12.2%
	Huye	3.0%	1.0%	3.0%	3.5%	0.6%	3.4%	8.7%	5.0%
	Nyamagabe	1.5%	1.7%	1.5%	1.8%	5.3%	1.9%	5.3%	0.0%
	Ruhango	4.8%	2.3%	4.8%	5.3%	4.7%	5.2%	1.4%	53.9%
	Muhanga	4.2%	2.4%	4.2%	8.8%	8.0%	8.8%	4.8%	0.0%
	Kamonyi	4.7%	5.3%	4.7%	8.7%	6.3%	8.6%	2.7%	0.0%
	Sub-total	**26.2%**	**28.2%**	**26.2%**	**37.8%**	**39.8%**	**37.9%**	**44.5%**	**71.1%**
West	Karongi	2.1%	1.5%	2.1%	4.5%	1.3%	4.4%	2.1%	0.0%
	Ngororero	1.3%	1.5%	1.3%	2.3%	0.8%	2.3%	0.7%	0.0%
	Nyabihu	2.7%	4.5%	2.8%	1.4%	0.5%	1.4%	0.0%	0.0%
	Rubavu	2.0%	5.0%	2.0%	1.4%	1.1%	1.4%	0.0%	0.0%
	Rutsiro	1.6%	2.1%	1.7%	1.9%	0.0%	1.9%	2.8%	0.0%
	Rusizi	0.9%	0.3%	0.8%	3.2%	3.1%	3.2%	0.0%	0.0%
	Nyamasheke	4.5%	6.2%	4.5%	5.1%	7.9%	5.2%	4.2%	0.0%
	Sub-total	**15.1%**	**21.1%**	**15.2%**	**19.9%**	**14.7%**	**19.7%**	**9.9%**	**0.0%**
North	Rulindo	0.9%	0.9%	0.9%	2.5%	5.0%	2.6%	0.2%	0.0%
	Gakenke	1.0%	1.1%	1.0%	4.1%	7.0%	4.2%	1.3%	0.0%
	Musanze	2.1%	1.2%	2.1%	2.2%	2.1%	2.2%	0.0%	0.0%
	Burera	1.4%	0.1%	1.4%	6.2%	1.8%	6.0%	0.1%	0.0%
	Gicumbi	5.7%	13.1%	5.8%	3.2%	5.6%	3.2%	9.8%	0.0%
	Sub-total	**11.1%**	**16.3%**	**11.2%**	**18.2%**	**21.6%**	**18.3%**	**11.4%**	**0.0%**
East	Bugesera	1.2%	0.7%	1.2%	2.7%	2.0%	2.7%	0.0%	0.9%
	Rwamagana	3.4%	3.4%	3.4%	2.3%	4.8%	2.4%	8.9%	0.0%
	Gatsibo	3.7%	4.7%	3.7%	4.9%	1.5%	4.8%	11.3%	28.0%
	Kayonza	1.3%	5.7%	1.4%	2.3%	5.9%	2.4%	1.3%	0.0%
	Kirehe	1.8%	0.4%	1.8%	1.8%	0.6%	1.7%	0.9%	0.0%
	Ngoma	1.7%	1.9%	1.7%	2.2%	1.1%	2.1%	0.0%	0.0%
	Nyagatare	29.5%	13.9%	29.2%	2.5%	3.9%	2.6%	7.3%	0.0%
	Sub-total	**42.6%**	**30.8%**	**42.4%**	**18.7%**	**19.6%**	**18.7%**	**29.8%**	**28.9%**
Rwanda		**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

PRACTICE OF FISHING AND APICULTURE

A 4.5.1. Households engaged fishing by province and district…

Province	District	Households with fish pond(s)						Fishing practice					
		Yes		No		Total		Yes		No		Total	
Kigali City	Nyarugenge	0	0.0%	9 313	100.0%	9 313	100%	822	8.8%	8 492	91.2%	9 313	100%
	Gasabo	0	0.0%	31 313	100.0%	31 313	100%	105	0.3%	31 208	99.7%	31 313	100%
	Kicukiro	0	0.0%	9 747	100.0%	9 747	100%	0	0.0%	9 747	100.0%	9 747	100%
	Sub-total	**0**	**0.0%**	**50 373**	**100.0%**	**50 373**	**100%**	**927**	**1.8%**	**49 447**	**98.2%**	**50 373**	**100%**
South	Nyanza	0	0.0%	46 918	100.0%	46 918	100%	429	0.9%	46 489	99.1%	46 918	100%
	Gisagara	176	0.3%	67 608	99.7%	67 784	100%	325	0.5%	67 459	99.5%	67 784	100%
	Nyaruguru	751	1.4%	53 346	98.6%	54 097	100%	0	0.0%	54 097	100.0%	54 097	100%
	Huye	0	0.0%	55 016	100.0%	55 016	100%	0	0.0%	55 016	100.0%	55 016	100%
	Nyamagabe	167	0.3%	65 408	99.7%	65 575	100%	0	0.0%	65 575	100.0%	65 575	100%
	Ruhango	255	0.5%	55 457	99.5%	55 712	100%	0	0.0%	55 712	100.0%	55 712	100%
	Muhanga	0	0.0%	58 200	100.0%	58 200	100%	0	0.0%	58 200	100.0%	58 200	100%
	Kamonyi	0	0.0%	58 410	100.0%	58 410	100%	0	0.0%	58 410	100.0%	58 410	100%
	Sub-total	**1 349**	**0.3%**	**460 362**	**99.7%**	**461 711**	**100%**	**754**	**0.2%**	**460 957**	**99.8%**	**461 711**	**100%**
West	Karongi	0	0.0%	61 059	100.0%	61 059	100%	0	0.0%	61 059	100.0%	61 059	100%
	Ngororero	0	0.0%	67 049	100.0%	67 049	100%	0	0.0%	67 049	100.0%	67 049	100%
	Nyabihu	0	0.0%	56 570	100.0%	56 570	100%	0	0.0%	56 570	100.0%	56 570	100%
	Rubavu	0	0.0%	50 858	100.0%	50 858	100%	513	1.0%	50 345	99.0%	50 858	100%
	Rutsiro	184	0.3%	60 222	99.7%	60 406	100%	405	0.7%	60 001	99.3%	60 406	100%
	Rusizi	0	0.0%	63 972	100.0%	63 972	100%	2 284	3.6%	61 689	96.4%	63 972	100%
	Nyamasheke	0	0.0%	76 597	100.0%	76 597	100%	664	0.9%	75 934	99.1%	76 597	100%
	Sub-total	**184**	**0.0%**	**436 327**	**100.0%**	**436 512**	**100%**	**3 866**	**0.9%**	**432 646**	**99.1%**	**436 512**	**100%**
North	Rulindo	228	0.4%	55 679	99.6%	55 907	100%	0	0.0%	55 907	100.0%	55 907	100%
	Gakenke	0	0.0%	72 521	100.0%	72 521	100%	0	0.0%	72 521	100.0%	72 521	100%
	Musanze	0	0.0%	64 256	100.0%	64 256	100%	1 066	1.7%	63 190	98.3%	64 256	100%
	Burera	0	0.0%	65 281	100.0%	65 281	100%	0	0.0%	65 281	100.0%	65 281	100%
	Gicumbi	187	0.3%	69 098	99.7%	69 285	100%	0	0.0%	69 285	100.0%	69 285	100%
	Sub-total	**414**	**0.1%**	**326 836**	**99.9%**	**327 250**	**100%**	**1 066**	**0.3%**	**326 184**	**99.7%**	**327 250**	**100%**
East	Bugesera	174	0.3%	56 935	99.7%	57 109	100%	507	0.9%	56 601	99.1%	57 109	100%
	Rwamagana	0	0.0%	49 645	100.0%	49 645	100%	436	0.9%	49 210	99.1%	49 645	100%
	Gatsibo	0	0.0%	70 119	100.0%	70 119	100%	0	0.0%	70 119	100.0%	70 119	100%
	Kayonza	87	0.2%	51 300	99.8%	51 387	100%	0	0.0%	51 387	100.0%	51 387	100%
	Kirehe	0	0.0%	55 699	100.0%	55 699	100%	270	0.5%	55 429	99.5%	55 699	100%
	Ngoma	563	1.0%	56 440	99.0%	57 004	100%	2 603	4.6%	54 401	95.4%	57 004	100%
	Nyagatare	185	0.3%	57 694	99.7%	57 879	100%	185	0.3%	57 694	99.7%	57 879	100%
	Sub-total	**1 009**	**0.3%**	**397 832**	**99.7%**	**398 841**	**100%**	**4 000**	**1.0%**	**394 841**	**99.0%**	**398 841**	**100%**
Total		**2 957**	**0.2%**	**1 671 731**	**99.8%**	**1 674 687**	**100%**	**10 612**	**0.6%**	**1 664 075**	**99.4%**	**1 674 687**	**100%**

A 4.5.2. Fishing households by fishing method, fishing equipments and by province and district

Province	District	Fishing method								Fishing equipment							
		Individually		In coopertive		Both ways		Total		Pirogues		Nets		Line fishing		Total	
Kigali City	Nyarugenge	822	100.0%	0	0.0%	0	0.0%	822	100.0%	0	0.0%	646	78.6%	176	21.4%	822	100%
	Gasabo	0	0.0%	105	100.0%	0	0.0%	105	100.0%	0	0.0%	105	100.0%	0	0.0%	105	100%
	Kicukiro	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Sub-total	**822**	**88.7%**	**105**	**11.3%**	**0**	**0.0%**	**927**	**100.0%**	**0**	**0.0%**	**750**	**81.0%**	**176**	**19.0%**	**927**	**100%**
South	Nyanza	429	100.0%	0	0.0%	0	0.0%	429	100.0%	0	0.0%	0	0.0%	429	100.0%	429	100%
	Gisagara	325	100.0%	0	0.0%	0	0.0%	325	100.0%	0	0.0%	176	54.2%	149	45.8%	325	100%
	Nyaruguru	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Huye	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Nyamagabe	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Ruhango	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Muhanga	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Kamonyi	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Sub-total	**754**	**100.0%**	**0**	**0.0%**	**0**	**0.0%**	**754**	**100.0%**	**0**	**0.0%**	**176**	**23.4%**	**578**	**76.6%**	**754**	**100%**
West	Karongi	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Ngororero	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Nyabihu	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Rubavu	513	100.0%	0	0.0%	0	0.0%	513	100.0%	254	49.6%	513	100.0%	0	0.0%	513	100%
	Rutsiro	405	100.0%	0	0.0%	0	0.0%	405	100.0%	135	33.3%	270	66.7%	0	0.0%	405	100%
	Rusizi	932	40.8%	955	41.8%	396	17.3%	2 284	100.0%	1 189	52.0%	718	31.4%	774	33.9%	2 284	100%
	Nyamasheke	664	100.0%	0	0.0%	0	0.0%	664	100.0%	318	47.8%	664	100.0%	0	0.0%	664	100%
	Sub-total	**2 514**	**65.0%**	**955**	**24.7%**	**396**	**10.2%**	**3 866**	**100.0%**	**1 896**	**49.0%**	**2 164**	**56.0%**	**774**	**20.0%**	**3 866**	**100%**
North	Rulindo	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Gakenke	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Musanze	1 066	100.0%	0	0.0%	0	0.0%	1 066	100.0%	158	14.8%	725	68.0%	341	32.0%	1 066	100%
	Burera	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Gicumbi	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Sub-total	**1 066**	**100.0%**	**0**	**0.0%**	**0**	**0.0%**	**1 066**	**100.0%**	**158**	**14.8%**	**725**	**68.0%**	**341**	**32.0%**	**1 066**	**100%**
East	Bugesera	364	71.8%	143	28.2%	0	0.0%	507	100.0%	143	28.2%	143	28.2%	364	71.8%	507	100%
	Rwamagana	436	100.0%	0	0.0%	0	0.0%	436	100.0%	0	0.0%	0	0.0%	436	100.0%	436	100%
	Gatsibo	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Kayonza	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0%
	Kirehe	135	50.0%	135	50.0%	0	0.0%	270	100.0%	270	100.0%	0	0.0%	0	0.0%	270	100%
	Ngoma	1 289	49.5%	811	31.2%	503	19.3%	2 603	100.0%	0	0.0%	1 333	51.2%	1 695	65.1%	2 603	100%
	Nyagatare	0	0.0%	0	0.0%	185	100.0%	185	100.0%	0	0.0%	185	100.0%	0	0.0%	185	100%
	Sub-total	**2 223**	**55.6%**	**1 089**	**27.2%**	**688**	**17.2%**	**4 000**	**100.0%**	**413**	**10.3%**	**1 661**	**41.5%**	**2 495**	**62.4%**	**4 000**	**100%**
Total		**7 379**	**69.5%**	**2 149**	**20.2%**	**1 084**	**10.2%**	**10 612**	**100.0%**	**2 467**	**23.2%**	**5 476**	**51.6%**	**4 364**	**41.1%**	**10 612**	**100%**

A 4.5.3a. Fish production and income by province and district during Season 2008A

Province	District	Quantity (Kg) fish from fish ponds	Quantity (Kg) fish from lakes/rivers	Total quantity (Kg) of fish	Income - fish from fish ponds	Income - fish from lakes/rivers	Total income
Kigali City	Nyarugenge	0	25 844	25 844	0	2 553 682	2 553 682
	Gasabo	0	419	419	0	335 373	335 373
	Kicukiro	0	0	0	0	0	0
	Sub-total	**0**	**26 263**	**26 263**	**0**	**2 889 054**	**2 889 054**
South	Nyanza	0	10 605	10 605	0	3 571 977	3 571 977
	Gisagara	5 637	1 041	6 678	1 937 749	312 154	2 249 903
	Nyaruguru	0	0	0	0	0	0
	Huye	0	0	0	0	0	0
	Nyamagabe	0	0	0	0	0	0
	Ruhango	0	0	0	0	0	0
	Muhanga	0	0	0	0	0	0
	Kamonyi	0	0	0	0	0	0
	Sub-total	**5 637**	**11 646**	**17 283**	**1 937 749**	**3 884 131**	**5 821 879**
West	Karongi	0	0	0	0	0	0
	Ngororero	0	0	0	0	0	0
	Nyabihu	0	0	0	0	0	0
	Rubavu	0	4 744	4 744	0	4 344 505	4 344 505
	Rutsiro	0	12 104	12 104	0	1 279 218	1 279 218
	Rusizi	0	838 487	838 487	0	487 568 013	487 568 013
	Nyamasheke	0	150 888	150 888	0	22 272 480	22 272 480
	Sub-total	**0**	**1 006 222**	**1 006 222**	**0**	**515 464 216**	**515 464 216**
North	Rulindo	0	0	0	0	0	0
	Gakenke	0	0	0	0	0	0
	Musanze	0	41 249	41 249	0	21 575 491	21 575 491
	Burera	0	0	0	0	0	0
	Gicumbi	0	0	0	0	0	0
	Sub-total	**0**	**41 249**	**41 249**	**0**	**21 575 491**	**21 575 491**
East	Bugesera	5 213	7 140	12 352	0	682 331	682 331
	Rwamagana	0	2 460	2 460	0	1 682 892	1 682 892
	Gatsibo	0	0	0	0	0	0
	Kayonza	0	0	0	0	0	0
	Kirehe	0	11 319	11 319	0	3 172 711	3 172 711
	Ngoma	1 435	66 132	67 568	503 187	10 981 533	11 484 720
	Nyagatare	31	0	31	0	0	0
	Sub-total	**6 679**	**87 051**	**93 730**	**503 187**	**16 519 466**	**17 022 654**
Total		**12 316**	**1 172 432**	**1 184 748**	**2 440 936**	**560 332 359**	**562 773 295**

A 4.5.3b. Fish production and income by province and district during Season 2008B

Province	**District**	Quantity (Kg) fish from fish ponds	Quantity (Kg) fish from lakes/rivers	Total quantity (Kg) of fish	Income - fish from fish ponds	Income - fish from lakes/rivers	Total income
Kigali City	Nyarugenge	0	25 844	25 844	0	2 553 682	2 553 682
	Gasabo	0	419	419	0	335 373	335 373
	Kicukiro	0	0	0	0	0	0
	Sub-total	**0**	**26 263**	**26 263**	**0**	**2 889 054**	**2 889 054**
South	Nyanza	0	10 605	10 605	0	3 571 977	3 571 977
	Gisagara	5 637	1 041	6 678	1 937 749	312 154	2 249 903
	Nyaruguru	0	0	0	0	0	0
	Huye	0	0	0	0	0	0
	Nyamagabe	0	0	0	0	0	0
	Ruhango	0	0	0	0	0	0
	Muhanga	0	0	0	0	0	0
	Kamonyi	0	0	0	0	0	0
	Sub-total	**5 637**	**11 646**	**17 283**	**1 937 749**	**3 884 131**	**5 821 879**
West	Karongi	0	0	0	0	0	0
	Ngororero	0	0	0	0	0	0
	Nyabihu	0	0	0	0	0	0
	Rubavu	0	4 744	4 744	0	4 344 505	4 344 505
	Rutsiro	0	12 104	12 104	0	1 279 218	1 279 218
	Rusizi	0	838 487	838 487	0	487 568 013	487 568 013
	Nyamasheke	0	150 888	150 888	0	22 272 480	22 272 480
	Sub-total	**0**	**1 006 222**	**1 006 222**	**0**	**515 464 216**	**515 464 216**
North	Rulindo	0	0	0	0	0	0
	Gakenke	0	0	0	0	0	0
	Musanze	0	41 249	41 249	0	21 575 491	21 575 491
	Burera	0	0	0	0	0	0
	Gicumbi	0	0	0	0	0	0
	Sub-total	**0**	**41 249**	**41 249**	**0**	**21 575 491**	**21 575 491**
East	Bugesera	5 213	7 140	12 352	0	682 331	682 331
	Rwamagana	0	2 460	2 460	0	1 682 892	1 682 892
	Gatsibo	0	0	0	0	0	0
	Kayonza	0	0	0	0	0	0
	Kirehe	0	11 319	11 319	0	3 172 711	3 172 711
	Ngoma	1 435	66 132	67 568	503 187	10 981 533	11 484 720
	Nyagatare	31	0	31	0	0	0
	Sub-total	**6 679**	**87 051**	**93 730**	**503 187**	**16 519 466**	**17 022 654**
Total		**12 316**	**1 172 432**	**1 184 748**	**2 440 936**	**560 332 359**	**562 773 295**

A 4.5.3c Fish production and income by province and district in 2008

Province	**District**	Quantity (Kg) fish from fish ponds	Quantity (Kg) fish from lakes/rivers	**Annual quantity (kg) fish Total**	Income - fish from fish ponds	Income - fish from lakes/rivers	**Annual income Total**
Kigali City	Nyarugenge	0	51 688	**51 688**	0	5 107 364	**5 107 364**
	Gasabo	0	838	**838**	0	670 746	**670 746**
	Kicukiro	0	0	**0**	0	0	**0**
	Sub-total	**0**	**52 526**	**52 526**	**0**	**5 778 108**	**5 778 108**
South	Nyanza	0	21 210	**21 210**	0	7 143 954	**7 143 954**
	Gisagara	11 274	2 082	**13 356**	3 875 498	624 308	**4 499 806**
	Nyaruguru	0	0	**0**	0	0	**0**
	Huye	0	0	**0**	0	0	**0**
	Nyamagabe	0	0	**0**	0	0	**0**
	Ruhango	0	0	**0**	0	0	**0**
	Muhanga	0	0	**0**	0	0	**0**
	Kamonyi	0	0	**0**	0	0	**0**
	Sub-total	**11 274**	**23 292**	**34 566**	**3 875 498**	**7 768 262**	**11 643 758**
West	Karongi	0	0	**0**	0	0	**0**
	Ngororero	0	0	**0**	0	0	**0**
	Nyabihu	0	0	**0**	0	0	**0**
	Rubavu	0	9 488	**9 488**	0	8 689 010	**8 689 010**
	Rutsiro	0	24 208	**24 208**	0	2 558 436	**2 558 436**
	Rusizi	0	1 676 974	**1 676 974**	0	975 136 026	**975 136 026**
	Nyamasheke	0	301 776	**301 776**	0	44 544 960	**44 544 960**
	Sub-total	**0**	**2 012 444**	**2 012 444**	**0**	**1 030 928 432**	**1 030 928 432**
North	Rulindo	0	0	**0**	0	0	**0**
	Gakenke	0	0	**0**	0	0	**0**
	Musanze	0	82 498	**82 498**	0	43 150 982	**43 150 982**
	Burera	0	0	**0**	0	0	**0**
	Gicumbi	0	0	**0**	0	0	**0**
	Sub-total	**0**	**82 498**	**82 498**	**0**	**43 150 982**	**43 150 982**
East	Bugesera	10 426	14 280	**24 704**	0	1 364 662	**1 364 662**
	Rwamagana	0	4 920	**4 920**	0	3 365 784	**3 365 784**
	Gatsibo	0	0	**0**	0	0	**0**
	Kayonza	0	0	**0**	0	0	**0**
	Kirehe	0	22 638	**22 638**	0	6 345 422	**6 345 422**
	Ngoma	2 870	132 264	**135 136**	1 006 374	21 963 066	**22 969 440**
	Nyagatare	62	0	**62**	0	0	**0**
	Sub-total	**13 358**	**174 102**	**187 460**	**1 006 374**	**33 038 932**	**34 045 308**
Total		**24 632**	**2 344 864**	**2 369 496**	**4 881 872**	**1 120 664 718**	**1 125 546 590**

A 4.5.4. . Households engaged in apiculture by province and district

Province	District	Is your household engaged in beekeeping?					
		Yes		No		Total	
Kigali City	Nyarugenge	452	4.9%	8 862	95.1%	9 313	100%
	Gasabo	1 974	6.3%	29 339	93.7%	31 313	100%
	Kicukiro	146	1.5%	9 601	98.5%	9 747	100%
	Sub-total	**2 572**	**5.1%**	**47 801**	**94.9%**	**50 373**	**100%**
South	Nyanza	650	1.4%	46 268	98.6%	46 918	100%
	Gisagara	2 536	3.7%	65 247	96.3%	67 784	100%
	Nyaruguru	4 118	7.6%	49 978	92.4%	54 097	100%
	Huye	2 054	3.7%	52 962	96.3%	55 016	100%
	Nyamagabe	3 148	4.8%	62 427	95.2%	65 575	100%
	Ruhango	1 918	3.4%	53 794	96.6%	55 712	100%
	Muhanga	6 278	10.8%	51 922	89.2%	58 200	100%
	Kamonyi	1 948	3.3%	56 462	96.7%	58 410	100%
	Sub-total	**22 651**	**4.9%**	**439 060**	**95.1%**	**461 711**	**100%**
West	Karongi	3 033	5.0%	58 026	95.0%	61 059	100%
	Ngororero	3 447	5.1%	63 602	94.9%	67 049	100%
	Nyabihu	1 780	3.1%	54 790	96.9%	56 570	100%
	Rubavu	1 508	3.0%	49 350	97.0%	50 858	100%
	Rutsiro	5 051	8.4%	55 355	91.6%	60 406	100%
	Rusizi	3 031	4.7%	60 941	95.3%	63 972	100%
	Nyamasheke	3 404	4.4%	73 194	95.6%	76 597	100%
	Sub-total	**21 254**	**4.9%**	**415 258**	**95.1%**	**436 512**	**100%**
North	Rulindo	2 252	4.0%	53 655	96.0%	55 907	100%
	Gakenke	4 484	6.2%	68 037	93.8%	72 521	100%
	Musanze	1 623	2.5%	62 633	97.5%	64 256	100%
	Burera	2 974	4.6%	62 306	95.4%	65 281	100%
	Gicumbi	2 192	3.2%	67 094	96.8%	69 285	100%
	Sub-total	**13 525**	**4.1%**	**313 725**	**95.9%**	**327 250**	**100%**
East	Bugesera	2 051	3.6%	55 058	96.4%	57 109	100%
	Rwamagana	1 608	3.2%	48 037	96.8%	49 645	100%
	Gatsibo	2 979	4.2%	67 139	95.8%	70 119	100%
	Kayonza	357	0.7%	51 031	99.3%	51 387	100%
	Kirehe	958	1.7%	54 740	98.3%	55 699	100%
	Ngoma	320	0.6%	56 684	99.4%	57 004	100%
	Nyagatare	1 410	2.4%	56 469	97.6%	57 879	100%
	Sub-total	**9 683**	**2.4%**	**389 158**	**97.6%**	**398 841**	**100%**
Rwanda		**69 686**	**4.2%**	**1 605 001**	**95.8%**	**1 674 687**	**100%**

A 4.5.5a. Number of hives and apicultural production by province and district during Season 2008A

Province	**District**	Number of traditional hives	Number of modern hives	Honey quantity (Kg) from traditional hives	Honey quantity (Kg) from modern hives	Total Honey quantity (kg) for A season
Kigali City	Nyarugenge	2 406	0	9 059	0	9 059
	Gasabo	35 054	1 878	9 681	672	10 353
	Kicukiro	586	0	2 343	0	2 343
	Sub-total	**38 046**	**1 878**	**21 083**	**672**	**21 755**
South	Nyanza	4 298	114	13 823	457	14 280
	Gisagara	14 386	595	21 080	4 764	25 844
	Nyaruguru	51 072	8 822	44 828	12 327	57 155
	Huye	11 409	6 175	14 796	32 232	47 028
	Nyamagabe	59 070	7 949	31 373	53 059	84 432
	Ruhango	7 186	0	10 430	682	11 112
	Muhanga	29 911	1 378	529 569	32 552	562 121
	Kamonyi	8 377	0	38 167	0	38 167
	Sub-total	**185 709**	**25 032**	**704 065**	**136 075**	**840 140**
West	Karongi	66 975	1 956	33 222	18 777	51 999
	Ngororero	16 801	1 545	78 389	7 403	85 792
	Nyabihu	5 366	0	7 912	0	7 912
	Rubavu	25 834	6 236	11 216	4 032	15 248
	Rutsiro	68 367	12 373	116 565	38 060	154 625
	Rusizi	31 541	1 372	160 568	1 427	161 995
	Nyamasheke	13 782	6 002	11 499	15 188	26 687
	Sub-total	**228 666**	**29 485**	**419 371**	**84 887**	**504 258**
North	Rulindo	10 285	733	24 864	2 595	27 459
	Gakenke	20 359	0	52 769	0	52 769
	Musanze	17 913	0	10 421	0	10 421
	Burera	23 619	318	200 296	9 530	209 826
	Gicumbi	32 554	1 644	84 943	22 421	107 364
	Sub-total	**104 730**	**2 695**	**373 293**	**34 546**	**407 839**
East	Bugesera	16 703	0	13 228	0	13 228
	Rwamagana	9 431	0	16 908	0	16 908
	Gatsibo	37 337	0	23 007	0	23 007
	Kayonza	2 670	0	10 401	0	10 401
	Kirehe	12 488	0	12 810	0	12 810
	Ngoma	8 580	0	8 275	0	8 275
	Nyagatare	65 597	964	25 047	0	25 047
	Sub-total	**152 805**	**964**	**109 677**	**0**	109 677
Total		**709 957**	**60 054**	**1 627 489**	**256 180**	**1 883 669**

A 4.5.5b. Number of hives and apicultural production by province and district during Season 2008B

Province	**District**	Number of traditional hives	Number of modern hives	Honey quantity (Kg) from traditional hives	Honey quantity (Kg) from modern hives	Total Honey quantity (kg) for B season
Kigali City	Nyarugenge	0	0	0	0	0
	Gasabo	19 466	6 268	5 702	132	5 834
	Kicukiro	586	0	4 393	0	4 393
	Sub-total	**20 052**	**6 268**	**10 096**	**132**	**10 228**
South	Nyanza	2 796	262	2 997	686	3 683
	Gisagara	17 502	445	44 575	3 370	47 945
	Nyaruguru	24 595	6 730	39 351	69 911	109 262
	Huye	14 820	4 612	35 508	26 722	62 230
	Nyamagabe	74 857	31 818	45 660	12 590	58 250
	Ruhango	3 184	341	8 508	2 559	11 067
	Muhanga	31 022	5 891	164 045	71 739	235 784
	Kamonyi	14 043	294	70 128	10 596	80 724
	Sub-total	**182 819**	**50 395**	**410 772**	**198 173**	**608 945**
West	Karongi	23 431	5 853	15 387	15 938	31 325
	Ngororero	22 162	1 975	22 261	8 446	30 707
	Nyabihu	1 559	0	7 144	0	7 144
	Rubavu	22 520	3 466	8 189	2 607	10 796
	Rutsiro	54 492	17 273	82 383	27 303	109 686
	Rusizi	24 784	1 183	54 795	1 382	56 177
	Nyamasheke	5 655	12 911	41 625	173 363	214 988
	Sub-total	**154 603**	**42 661**	**231 784**	**229 038**	**460 822**
North	Rulindo	16 401	878	11 419	2 595	14 014
	Gakenke	46 155	0	70 884	0	70 884
	Musanze	16 143	2 663	6 021	832	6 853
	Burera	20 214	159	20 045	0	20 045
	Gicumbi	55 105	1 180	133 750	7 382	141 132
	Sub-total	**154 019**	**4 879**	**242 118**	**10 810**	**252 928**
East	Bugesera	33 096	1 333	47 400	7 995	55 395
	Rwamagana	12 633	0	12 671	0	12 671
	Gatsibo	16 399	0	100 301	0	100 301
	Kayonza	9 978	0	11 946	0	11 946
	Kirehe	16 050	2 331	17 929	0	17 929
	Ngoma	12 438	3 619	20 739	0	20 739
	Nyagatare	16 832	0	54 125	0	54 125
	Sub-total	**117 426**	**7 283**	**265 111**	**7 995**	**273 106**
Total		**628 919**	**111 486**	**1 159 881**	**446 149**	**1 606 030**

A 4.5.5c. Annual apicultural production by province and district in 2008

Province	District	Honey production for 2008A season (Kg)			Honey production for 2008B season (Kg)			Annual honey production (Kg)		
		Traditional hives	Modern hives	Total	Traditional hives	Modern hives	Total	Traditional hives	Modern hives	Total
Kigali City	Nyarugenge	9 059	0	9 059	0	0	0	9 059	0	9 059
	Gasabo	9 681	672	10 353	5 702	132	5 834	15 383	804	16 187
	Kicukiro	2 343	0	2 343	4 393	0	4 393	6 736	0	6 736
	Sub-total	**21 083**	**672**	**21 755**	**10 096**	**132**	**10 228**	**31 179**	**804**	**31 983**
South	Nyanza	13 823	457	14 280	2 997	686	3 683	16 820	1 143	17 963
	Gisagara	21 080	4 764	25 844	44 575	3 370	47 945	65 655	8 134	73 789
	Nyaruguru	44 828	12 327	57 155	39 351	69 911	109 262	84 179	82 238	166 417
	Huye	14 796	32 232	47 028	35 508	26 722	62 230	50 304	58 954	109 258
	Nyamagabe	31 373	53 059	84 432	45 660	12 590	58 250	77 033	65 649	142 682
	Ruhango	10 430	682	11 112	8 508	2 559	11 067	18 938	3 241	22 179
	Muhanga	529 569	32 552	562 121	164 045	71 739	235 784	693 614	104 291	797 905
	Kamonyi	38 167	0	38 167	70 128	10 596	80 724	108 295	10 596	118 891
	Sub-total	**704 065**	**136 075**	**840 140**	**410 772**	**198 173**	**608 945**	**1 114 837**	**334 248**	**1 449 085**
West	Karongi	33 222	18 777	51 999	15 387	15 938	31 325	48 609	34 715	83 324
	Ngororero	78 389	7 403	85 792	22 261	8 446	30 707	100 650	15 849	116 499
	Nyabihu	7 912	0	7 912	7 144	0	7 144	15 056	0	15 056
	Rubavu	11 216	4 032	15 248	8 189	2 607	10 796	19 405	6 639	26 044
	Rutsiro	116 565	38 060	154 625	82 383	27 303	109 686	198 948	65 363	264 311
	Rusizi	160 568	1 427	161 995	54 795	1 382	56 177	215 363	2 809	218 172
	Nyamasheke	11 499	15 188	26 687	41 625	173 363	214 988	53 124	188 551	241 675
	Sub-total	**419 371**	**84 887**	**504 258**	**231 784**	**229 038**	**460 822**	**651 155**	**313 925**	**965 080**
North	Rulindo	24 864	2 595	27 459	11 419	2 595	14 014	36 283	5 190	41 473
	Gakenke	52 769	0	52 769	70 884	0	70 884	123 653	0	123 653
	Musanze	10 421	0	10 421	6 021	832	6 853	16 442	832	17 274
	Burera	200 296	9 530	209 826	20 045	0	20 045	220 341	9 530	229 871
	Gicumbi	84 943	22 421	107 364	133 750	7 382	141 132	218 693	29 803	248 496
	Sub-total	**373 293**	**34 546**	**407 839**	**242 118**	**10 810**	**252 928**	**615 411**	**45 356**	**660 767**
East	Bugesera	13 228	0	13 228	47 400	7 995	55 395	60 628	7 995	68 623
	Rwamagana	16 908	0	16 908	12 671	0	12 671	29 579	0	29 579
	Gatsibo	23 007	0	23 007	100 301	0	100 301	123 308	0	123 308
	Kayonza	10 401	0	10 401	11 946	0	11 946	22 347	0	22 347
	Kirehe	12 810	0	12 810	17 929	0	17 929	30 739	0	30 739
	Ngoma	8 275	0	8 275	20 739	0	20 739	29 014	0	29 014
	Nyagatare	25 047	0	25 047	54 125	0	54 125	79 172	0	79 172
	Sub-total	**109 677**	**0**	**109 677**	**265 111**	**7 995**	**273 106**	**374 788**	**7 995**	**382 783**
Total		**1 627 489**	**256 180**	**1 883 669**	**1 159 881**	**446 149**	**1 606 030**	**2 787 370**	**702 329**	**3 489 699**

FORESTRY PRACTICE AND INCOME

A 4.6.1. Distribution of households according to possession of afforestations or scattered trees by province and district

Province	District	Existence of trees on the farm (on field or not)									
		Afforestation on farm + scattered trees		Only afforestation on farm		Only scattered trees		No afforestation, no scattered trees		Total	
Kigali City	Nyarugenge	3 879	41.6%	350	3.8%	1 975	21.2%	3 109	33.4%	9 313	100%
	Gasabo	10 330	33.0%	260	0.8%	13 200	42.2%	7 523	24.0%	31 313	100%
	Kicukiro	1 809	18.6%	503	5.2%	3 463	35.5%	3 972	40.8%	9 747	100%
	Sub-total	**16 018**	**31.8%**	**1 113**	**2.2%**	**18 638**	**37.0%**	**14 605**	**29.0%**	**50 373**	**100%**
South	Nyanza	12 040	25.7%	1 017	2.2%	23 465	50.0%	10 396	22.2%	46 918	100%
	Gisagara	19 278	28.4%	3 091	4.6%	27 334	40.3%	18 080	26.7%	67 784	100%
	Nyaruguru	31 511	58.2%	5 118	9.5%	9 912	18.3%	7 556	14.0%	54 097	100%
	Huye	21 801	39.6%	2 229	4.1%	18 947	34.4%	12 038	21.9%	55 016	100%
	Nyamagabe	35 554	54.2%	6 473	9.9%	10 457	15.9%	13 090	20.0%	65 575	100%
	Ruhango	18 226	32.7%	5 031	9.0%	16 534	29.7%	15 921	28.6%	55 712	100%
	Muhanga	35 497	61.0%	2 082	3.6%	13 780	23.7%	6 841	11.8%	58 200	100%
	Kamonyi	23 477	40.2%	3 919	6.7%	12 073	20.7%	18 941	32.4%	58 410	100%
	Sub-total	**197 384**	**42.8%**	**28 960**	**6.3%**	**132 503**	**28.7%**	**102 863**	**22.3%**	**461 711**	**100%**
West	Karongi	29 321	48.0%	7 591	12.4%	6 764	11.1%	17 383	28.5%	61 059	100%
	Ngororero	25 478	38.0%	10 563	15.8%	15 384	22.9%	15 624	23.3%	67 049	100%
	Nyabihu	24 992	44.2%	7 729	13.7%	10 387	18.4%	13 462	23.8%	56 570	100%
	Rubavu	13 172	25.9%	10 640	20.9%	10 820	21.3%	16 225	31.9%	50 858	100%
	Rutsiro	21 630	35.8%	6 763	11.2%	13 316	22.0%	18 698	31.0%	60 406	100%
	Rusizi	17 578	27.5%	6 377	10.0%	23 106	36.1%	16 911	26.4%	63 972	100%
	Nyamasheke	20 261	26.5%	4 647	6.1%	32 191	42.0%	19 498	25.5%	76 597	100%
	Sub-total	**152 433**	**34.9%**	**54 310**	**12.4%**	**111 967**	**25.7%**	**117 801**	**27.0%**	**436 512**	**100%**
North	Rulindo	22 125	39.6%	8 351	14.9%	9 201	16.5%	16 230	29.0%	55 907	100%
	Gakenke	42 866	59.1%	5 201	7.2%	7 443	10.3%	17 012	23.5%	72 521	100%
	Musanze	29 049	45.2%	7 194	11.2%	13 646	21.2%	14 367	22.4%	64 256	100%
	Burera	28 869	44.2%	9 334	14.3%	15 090	23.1%	11 987	18.4%	65 281	100%
	Gicumbi	25 427	36.7%	13 667	19.7%	10 923	15.8%	19 268	27.8%	69 285	100%
	Sub-total	**148 337**	**45.3%**	**43 746**	**13.4%**	**56 303**	**17.2%**	**78 865**	**24.1%**	**327 250**	**100%**
East	Bugesera	11 021	19.3%	1 366	2.4%	27 779	48.6%	16 942	29.7%	57 109	100%
	Rwamagana	9 208	18.5%	2 217	4.5%	20 646	41.6%	17 575	35.4%	49 645	100%
	Gatsibo	11 477	16.4%	4 596	6.6%	15 528	22.1%	38 517	54.9%	70 119	100%
	Kayonza	7 712	15.0%	1 121	2.2%	15 551	30.3%	27 003	52.5%	51 387	100%
	Kirehe	7 676	13.8%	1 539	2.8%	30 443	54.7%	16 040	28.8%	55 699	100%
	Ngoma	7 905	13.9%	953	1.7%	32 601	57.2%	15 545	27.3%	57 004	100%
	Nyagatare	6 432	11.1%	3 037	5.2%	20 284	35.0%	28 127	48.6%	57 879	100%
	Sub-total	**61 431**	**15.4%**	**14 828**	**3.7%**	**162 832**	**40.8%**	**159 750**	**40.1%**	**398 841**	**100%**
Rwanda	**Total**	**575 603**	**34.4%**	**142 957**	**8.5%**	**482 243**	**28.8%**	**473 884**	**28.3%**	**1 674 687**	**100%**

A 4.6.2a. Distribution of households according to planting of trees and number of planted trees during Season 2008A

Province	District	Having recently planted trees during 2008A season						Number of trees on farm household			
		Yes		No		Total		Number of seedlings recently planted	Fruit trees	Trees associated with crops	Trees planted elsewhere	Trees planted in afforestation
Kigali City	Nyarugenge	2 967	31.9%	6 346	68.1%	9 313	100%	97 367	83 134	90 060	7 871	579 578
	Gasabo	4 828	15.4%	26 485	84.6%	31 313	100%	48 050	255 642	224 995	73 839	12 993 153
	Kicukiro	951	9.8%	8 796	90.2%	9 747	100%	14 789	30 204	64 914	55 966	5 370 771
	Sub-total	**8 746**	**17.4%**	**41 627**	**82.6%**	**50 373**	**100%**	**160 206**	**368 980**	**379 969**	**137 676**	**18 943 502**
South	Nyanza	7 857	16.7%	39 060	83.3%	46 918	100%	328 499	160 545	263 456	109 907	4 561 983
	Gisagara	20 183	29.8%	47 600	70.2%	67 784	100%	205 397	251 413	346 518	137 725	9 195 303
	Nyaruguru	14 295	26.4%	39 802	73.6%	54 097	100%	1 535 883	231 896	248 622	267 043	51 087 912
	Huye	12 334	22.4%	42 682	77.6%	55 016	100%	109 458	199 704	188 355	191 524	14 582 121
	Nyamagabe	11 588	17.7%	53 986	82.3%	65 575	100%	1 356 518	227 502	250 604	154 405	28 984 469
	Ruhango	14 295	25.7%	41 417	74.3%	55 712	100%	257 646	155 646	133 832	131 043	10 042 846
	Muhanga	14 293	24.6%	43 907	75.4%	58 200	100%	404 947	266 735	345 193	101 388	16 991 890
	Kamonyi	12 599	21.6%	45 811	78.4%	58 410	100%	373 243	210 076	232 471	290 847	8 479 110
	Sub-total	**107 446**	**23.3%**	**354 265**	**76.7%**	**461 711**	**100%**	**4 571 590**	**1 703 518**	**2 009 052**	**1 383 883**	**143 925 635**
West	Karongi	15 175	24.9%	45 884	75.1%	61 059	100%	888 864	387 076	371 294	555 712	21 295 941
	Ngororero	10 727	16.0%	56 321	84.0%	67 049	100%	924 614	2 641 454	465 566	150 140	8 388 556
	Nyabihu	13 567	24.0%	43 003	76.0%	56 570	100%	1 077 572	121 052	345 609	232 817	14 325 214
	Rubavu	16 386	32.2%	34 471	67.8%	50 858	100%	948 229	137 864	182 197	256 804	8 547 966
	Rutsiro	15 383	25.5%	45 023	74.5%	60 406	100%	1 371 146	961 486	220 115	1 802 655	11 670 088
	Rusizi	19 229	30.1%	44 744	69.9%	63 972	100%	834 287	407 629	729 202	349 968	23 260 622
	Nyamasheke	25 037	32.7%	51 561	67.3%	76 597	100%	778 940	245 582	458 185	373 895	7 807 887
	Sub-total	**115 504**	**26.5%**	**321 007**	**73.5%**	**436 512**	**100%**	**6 823 652**	**4 902 142**	**2 772 168**	**3 721 990**	**95 296 272**
North	Rulindo	10 023	17.9%	45 884	82.1%	55 907	100%	427 749	629 836	863 850	81 369	11 381 194
	Gakenke	13 157	18.1%	59 364	81.9%	72 521	100%	396 782	252 046	266 798	142 168	14 303 289
	Musanze	19 488	30.3%	44 768	69.7%	64 256	100%	848 188	391 348	311 326	396 543	16 602 312
	Burera	8 591	13.2%	56 689	86.8%	65 281	100%	660 273	212 025	374 454	305 938	9 488 351
	Gicumbi	10 418	15.0%	58 867	85.0%	69 285	100%	1 106 513	194 839	270 043	626 102	52 920 045
	Sub-total	**61 678**	**18.8%**	**265 572**	**81.2%**	**327 250**	**100%**	**3 439 506**	**1 680 094**	**2 086 471**	**1 552 120**	**104 695 191**
East	Bugesera	16 036	28.1%	41 073	71.9%	57 109	100%	394 495	313 763	431 749	144 830	2 793 374
	Rwamagana	10 559	21.3%	39 086	78.7%	49 645	100%	312 210	191 796	155 172	117 357	6 460 494
	Gatsibo	6 836	9.7%	63 283	90.3%	70 119	100%	336 042	91 198	212 867	118 457	7 933 015
	Kayonza	13 139	25.6%	38 249	74.4%	51 387	100%	724 375	110 081	1 286 406	371 191	9 080 315
	Kirehe	17 323	31.1%	38 375	68.9%	55 699	100%	917 276	238 919	263 433	190 619	3 449 435
	Ngoma	12 555	22.0%	44 448	78.0%	57 004	100%	327 938	206 077	265 080	119 041	1 697 738
	Nyagatare	13 899	24.0%	43 980	76.0%	57 879	100%	445 025	118 052	194 487	532 174	3 919 312
	Sub-total	**90 347**	**22.7%**	**308 495**	**77.3%**	**398 841**	**100%**	**3 457 361**	**1 269 886**	**2 809 193**	**1 593 668**	**35 333 683**
Rwanda		**383 720**	**22.9%**	**1 290 967**	**77.1%**	**1 674 687**	**100%**	**18 452 316**	**9 924 620**	**10 056 853**	**8 389 338**	**398 194 285**

A 4.6.2b. Distribution of households according to planting of trees and number of planted trees during Season 2008B

Province	District	Having recently planted trees during 2008B season						Number of trees on farm household			
		Yes		No		Total		Number of seedlings recently planted	Fruit trees	Trees associated with crops	Trees planted elsewhere	Trees planted in afforestation
Kigali City	Nyarugenge	712	7.6%	8 601	92.4%	9 313	100%	22 592	69 133	57 501	28 435	746 159
	Gasabo	2 254	7.2%	29 059	92.8%	31 313	100%	80 678	161 711	106 951	183 236	12 178 513
	Kicukiro	359	3.7%	9 388	96.3%	9 747	100%	27 922	43 363	18 055	4 199	234 531
	Total	**3 325**	**6.6%**	**47 048**	**93.4%**	**50 373**	**100%**	**131 192**	**274 207**	**182 506**	**215 869**	**13 159 203**
South	Nyanza	4 397	9.4%	42 521	90.6%	46 918	100%	81 938	168 948	185 541	118 440	6 749 106
	Gisagara	5 729	8.5%	62 055	91.5%	67 784	100%	58 068	275 530	325 591	171 441	8 182 887
	Nyaruguru	7 636	14.1%	46 461	85.9%	54 097	100%	1 620 553	209 227	142 810	267 093	84 450 309
	Huye	3 803	6.9%	51 213	93.1%	55 016	100%	34 174	154 912	240 333	108 763	21 385 223
	Nyamagabe	11 733	17.9%	53 842	82.1%	65 575	100%	766 970	194 906	186 627	186 242	23 352 179
	Ruhango	6 758	12.1%	48 954	87.9%	55 712	100%	198 941	178 724	72 861	100 671	7 553 598
	Muhanga	7 197	12.4%	51 003	87.6%	58 200	100%	102 341	269 419	250 143	119 006	11 388 535
	Kamonyi	4 515	7.7%	53 895	92.3%	58 410	100%	74 615	198 050	168 663	171 980	12 115 802
	Total	**51 768**	**11.2%**	**409 943**	**88.8%**	**461 711**	**100%**	**2 937 600**	**1 649 717**	**1 572 569**	**1 243 635**	**175 177 638**
West	Karongi	6 938	11.4%	54 120	88.6%	61 059	100%	527 340	371 553	942 722	471 985	32 230 446
	Ngororero	10 313	15.4%	56 735	84.6%	67 049	100%	381 458	565 987	1 157 192	229 159	10 680 648
	Nyabihu	7 201	12.7%	49 369	87.3%	56 570	100%	282 794	146 974	182 671	217 779	14 981 388
	Rubavu	10 702	21.0%	40 156	79.0%	50 858	100%	549 802	124 510	181 122	224 097	8 630 363
	Rutsiro	8 427	13.9%	51 980	86.1%	60 406	100%	958 762	3 270 700	299 935	3 234 459	14 421 591
	Rusizi	10 661	16.7%	53 312	83.3%	63 972	100%	535 435	872 046	924 040	426 582	56 704 345
	Nyamasheke	9 851	12.9%	66 746	87.1%	76 597	100%	242 704	272 463	556 061	387 634	11 183 331
	Total	**64 093**	**14.7%**	**372 419**	**85.3%**	**436 512**	**100%**	**3 478 296**	**5 624 233**	**4 243 744**	**5 191 696**	**148 832 111**
North	Rulindo	3 084	5.5%	52 822	94.5%	55 907	100%	269 415	199 566	207 239	49 468	15 158 725
	Gakenke	10 010	13.8%	62 512	86.2%	72 521	100%	242 143	503 350	333 408	146 001	15 001 555
	Musanze	9 666	15.0%	54 590	85.0%	64 256	100%	295 873	617 154	387 526	494 550	20 457 744
	Burera	8 201	12.6%	57 080	87.4%	65 281	100%	776 448	339 733	423 227	207 752	12 423 089
	Gicumbi	7 786	11.2%	61 499	88.8%	69 285	100%	1 185 836	290 648	245 283	186 066	24 518 224
	Total	**38 747**	**11.8%**	**288 503**	**88.2%**	**327 250**	**100%**	**2 769 715**	**1 950 451**	**1 596 684**	**1 083 837**	**87 559 336**
East	Bugesera	5 122	9.0%	51 987	91.0%	57 109	100%	112 854	155 741	282 349	98 850	2 074 525
	Rwamagana	4 649	9.4%	44 997	90.6%	49 645	100%	167 770	179 495	182 680	128 906	7 796 071
	Gatsibo	1 661	2.4%	68 458	97.6%	70 119	100%	130 247	141 421	266 938	244 366	7 933 500
	Kayonza	4 853	9.4%	46 534	90.6%	51 387	100%	396 980	142 994	308 794	144 996	4 983 960
	Kirehe	11 003	19.8%	44 696	80.2%	55 699	100%	152 322	237 620	345 089	63 387	3 536 629
	Ngoma	4 902	8.6%	52 102	91.4%	57 004	100%	72 580	293 973	407 608	123 072	3 096 166
	Nyagatare	6 561	11.3%	51 318	88.7%	57 879	100%	414 652	120 336	242 349	2 281 981	5 491 457
	Total	**38 750**	**9.7%**	**360 091**	**90.3%**	**398 841**	**100%**	**1 447 404**	**1 271 580**	**2 035 807**	**3 085 558**	**34 912 308**
Rwanda		**196 684**	**11.7%**	**1 478 003**	**88.3%**	**1 674 687**	**100%**	**10 764 206**	**10 770 188**	**9 631 310**	**10 820 595**	**459 640 596**

A 4.6.3a. Distribution of households according to planting of trees and main source of plants during Season 2008A

Province	District	Main source of tree seedlings													
		Public tree nursery		Tree nursery of an NGO		Tree nursery of household		Buy seedlings		Seedlings donated		Other source		Total	
Kigali City	Nyarugenge	1 405	47.4%	0	0.0%	453	15.3%	175	5.9%	655	22.1%	278	9.4%	2 967	100%
	Gasabo	2 262	46.9%	0	0.0%	1 592	33.0%	707	14.6%	0	0.0%	267	5.5%	4 828	100%
	Kicukiro	271	28.6%	0	0.0%	310	32.6%	0	0.0%	370	38.9%	0	0.0%	951	100%
	Sub-total	**3 939**	**45.0%**	**0**	**0.0%**	**2 354**	**26.9%**	**882**	**10.1%**	**1 025**	**11.7%**	**546**	**6.2%**	**8 746**	**100%**
South	Nyanza	4 124	52.5%	534	6.8%	1 114	14.2%	644	8.2%	296	3.8%	1 145	14.6%	7 857	100%
	Gisagara	15 580	77.2%	0	0.0%	592	2.9%	0	0.0%	228	1.1%	3 783	18.7%	20 183	100%
	Nyaruguru	5 131	35.9%	283	2.0%	4 097	28.7%	1 533	10.7%	989	6.9%	2 262	15.8%	14 295	100%
	Huye	10 591	85.9%	453	3.7%	137	1.1%	334	2.7%	540	4.4%	280	2.3%	12 334	100%
	Nyamagabe	3 564	30.8%	318	2.7%	2 089	18.0%	2 382	20.6%	297	2.6%	2 937	25.3%	11 588	100%
	Ruhango	7 891	55.2%	170	1.2%	902	6.3%	1 300	9.1%	863	6.0%	3 169	22.2%	14 295	100%
	Muhanga	7 193	50.3%	356	2.5%	1 012	7.1%	169	1.2%	1 379	9.6%	4 184	29.3%	14 293	100%
	Kamonyi	10 051	79.8%	169	1.3%	147	1.2%	0	0.0%	996	7.9%	1 236	9.8%	12 599	100%
	Sub-total	**64 124**	**59.7%**	**2 284**	**2.1%**	**10 091**	**9.4%**	**6 362**	**5.9%**	**5 589**	**5.2%**	**18 996**	**17.7%**	**107 446**	**100%**
West	Karongi	7 883	51.9%	196	1.3%	2 871	18.9%	0	0.0%	199	1.3%	4 026	26.5%	15 175	100%
	Ngororero	4 197	39.1%	780	7.3%	1 245	11.6%	595	5.5%	1 304	12.2%	2 607	24.3%	10 727	100%
	Nyabihu	1 561	11.5%	0	0.0%	3 953	29.1%	4 463	32.9%	2 768	20.4%	821	6.1%	13 567	100%
	Rubavu	4 572	27.9%	129	0.8%	3 382	20.6%	5 992	36.6%	998	6.1%	1 314	8.0%	16 386	100%
	Rutsiro	5 124	33.3%	461	3.0%	3 566	23.2%	3 371	21.9%	1 033	6.7%	1 826	11.9%	15 383	100%
	Rusizi	10 624	55.3%	0	0.0%	2 898	15.1%	2 673	13.9%	725	3.8%	2 308	12.0%	19 229	100%
	Nyamasheke	14 929	59.6%	0	0.0%	2 630	10.5%	1 177	4.7%	1 289	5.1%	5 011	20.0%	25 037	100%
	Sub-total	**48 891**	**42.3%**	**1 566**	**1.4%**	**20 547**	**17.8%**	**18 272**	**15.8%**	**8 315**	**7.2%**	**17 913**	**15.5%**	**115 504**	**100%**
North	Rulindo	7 039	70.2%	173	1.7%	1 074	10.7%	314	3.1%	295	2.9%	1 128	11.3%	10 023	100%
	Gakenke	3 961	30.1%	937	7.1%	2 134	16.2%	1 263	9.6%	2 177	16.5%	2 685	20.4%	13 157	100%
	Musanze	8 533	43.8%	307	1.6%	4 432	22.7%	2 836	14.6%	2 102	10.8%	1 278	6.6%	19 488	100%
	Burera	2 302	26.8%	222	2.6%	2 483	28.9%	2 508	29.2%	0	0.0%	1 077	12.5%	8 591	100%
	Gicumbi	2 676	25.7%	0	0.0%	2 374	22.8%	2 444	23.5%	470	4.5%	2 453	23.5%	10 418	100%
	Sub-total	**24 511**	**39.7%**	**1 639**	**2.7%**	**12 497**	**20.3%**	**9 364**	**15.2%**	**5 044**	**8.2%**	**8 622**	**14.0%**	**61 678**	**100%**
East	Bugesera	10 608	66.1%	2 119	13.2%	1 103	6.9%	443	2.8%	669	4.2%	1 094	6.8%	16 036	100%
	Rwamagana	4 979	47.1%	2 052	19.4%	1 335	12.6%	469	4.4%	748	7.1%	976	9.2%	10 559	100%
	Gatsibo	5 319	77.8%	307	4.5%	380	5.6%	693	10.1%	0	0.0%	137	2.0%	6 836	100%
	Kayonza	8 265	62.9%	1 437	10.9%	850	6.5%	1 358	10.3%	464	3.5%	764	5.8%	13 139	100%
	Kirehe	9 243	53.4%	2 198	12.7%	2 412	13.9%	1 320	7.6%	329	1.9%	1 822	10.5%	17 323	100%
	Ngoma	9 100	72.5%	0	0.0%	917	7.3%	0	0.0%	428	3.4%	2 110	16.8%	12 555	100%
	Nyagatare	9 860	70.9%	174	1.3%	1 647	11.9%	408	2.9%	423	3.0%	1 386	10.0%	13 899	100%
	Sub-total	**57 372**	**63.5%**	**8 287**	**9.2%**	**8 645**	**9.6%**	**4 690**	**5.2%**	**3 062**	**3.4%**	**8 290**	**9.2%**	**90 347**	**100%**
Total		**198 838**	**51.8%**	**13 775**	**3.6%**	**54 134**	**14.1%**	**39 570**	**10.3%**	**23 035**	**6.0%**	**54 367**	**14.2%**	**383 720**	**100%**

A 4.6.3b. Distribution of households according to planting of trees and main source of plants during Season 2008B

Province	District	Main source of tree seedlings													
		Public tree nursery		Tree nursery of an NGO		Tree nursery of household		Buy seedlings		Seedlings donated		Other source		Total	
Kigali City	Nyarugenge	102	14.3%	0	0.0%	102	14.3%	102	14.3%	102	14.3%	305	42.9%	712	100%
	Gasabo	134	5.9%	0	0.0%	758	33.6%	905	40.1%	161	7.2%	296	13.1%	2 254	100%
	Kicukiro	185	51.5%	0	0.0%	174	48.5%	0	0.0%	0	0.0%	0	0.0%	359	100%
	Sub-total	**421**	**12.7%**	**0**	**0.0%**	**1 034**	**31.1%**	**1 006**	**30.3%**	**263**	**7.9%**	**601**	**18.1%**	**3 325**	**100%**
South	Nyanza	3 203	72.8%	0	0.0%	923	21.0%	0	0.0%	157	3.6%	114	2.6%	4 397	100%
	Gisagara	3 739	65.3%	286	5.0%	476	8.3%	231	4.0%	0	0.0%	998	17.4%	5 729	100%
	Nyaruguru	4 083	53.5%	0	0.0%	691	9.1%	796	10.4%	1 608	21.1%	457	6.0%	7 636	100%
	Huye	1 534	40.3%	0	0.0%	588	15.5%	328	8.6%	1 024	26.9%	329	8.6%	3 803	100%
	Nyamagabe	2 949	25.1%	163	1.4%	2 414	20.6%	4 436	37.8%	381	3.2%	1 390	11.8%	11 733	100%
	Ruhango	1 603	23.7%	0	0.0%	1 054	15.6%	541	8.0%	866	12.8%	2 695	39.9%	6 758	100%
	Muhanga	3 946	54.8%	0	0.0%	925	12.9%	188	2.6%	842	11.7%	1 296	18.0%	7 197	100%
	Kamonyi	2 735	60.6%	0	0.0%	509	11.3%	594	13.2%	364	8.1%	313	6.9%	4 515	100%
	Sub-total	**23 792**	**46.0%**	**449**	**0.9%**	**7 580**	**14.6%**	**7 114**	**13.7%**	**5 242**	**10.1%**	**7 592**	**14.7%**	**51 768**	**100%**
West	Karongi	1 837	26.5%	0	0.0%	1 558	22.5%	698	10.1%	445	6.4%	2 400	34.6%	6 938	100%
	Ngororero	2 913	28.2%	383	3.7%	1 537	14.9%	1 438	13.9%	1 875	18.2%	2 168	21.0%	10 313	100%
	Nyabihu	962	13.4%	0	0.0%	2 164	30.1%	2 604	36.2%	1 362	18.9%	109	1.5%	7 201	100%
	Rubavu	1 676	15.7%	533	5.0%	1 263	11.8%	4 399	41.1%	1 895	17.7%	936	8.7%	10 702	100%
	Rutsiro	2 109	25.0%	547	6.5%	2 071	24.6%	2 717	32.2%	579	6.9%	403	4.8%	8 427	100%
	Rusizi	3 414	32.0%	1 470	13.8%	2 020	18.9%	1 355	12.7%	1 195	11.2%	1 207	11.3%	10 661	100%
	Nyamasheke	4 847	49.2%	188	1.9%	1 215	12.3%	877	8.9%	1 435	14.6%	1 289	13.1%	9 851	100%
	Sub-total	**17 757**	**27.7%**	**3 121**	**4.9%**	**11 829**	**18.5%**	**14 087**	**22.0%**	**8 785**	**13.7%**	**8 514**	**13.3%**	**64 093**	**100%**
North	Rulindo	1 575	51.1%	0	0.0%	509	16.5%	510	16.5%	0	0.0%	490	15.9%	3 084	100%
	Gakenke	2 236	22.3%	1 692	16.9%	336	3.4%	2 534	25.3%	968	9.7%	2 244	22.4%	10 010	100%
	Musanze	2 879	29.8%	153	1.6%	2 530	26.2%	2 331	24.1%	753	7.8%	1 021	10.6%	9 666	100%
	Burera	1 639	20.0%	0	0.0%	896	10.9%	3 231	39.4%	933	11.4%	1 501	18.3%	8 201	100%
	Gicumbi	725	9.3%	0	0.0%	2 791	35.9%	2 623	33.7%	823	10.6%	823	10.6%	7 786	100%
	Sub-total	**9 054**	**23.4%**	**1 844**	**4.8%**	**7 062**	**18.2%**	**11 230**	**29.0%**	**3 477**	**9.0%**	**6 080**	**15.7%**	**38 747**	**100%**
East	Bugesera	1 870	36.5%	0	0.0%	694	13.6%	190	3.7%	1 763	34.4%	605	11.8%	5 122	100%
	Rwamagana	790	17.0%	299	6.4%	1 730	37.2%	714	15.4%	1 116	24.0%	0	0.0%	4 649	100%
	Gatsibo	641	38.6%	0	0.0%	0	0.0%	532	32.0%	166	10.0%	321	19.3%	1 661	100%
	Kayonza	1 628	33.5%	704	14.5%	850	17.5%	967	19.9%	0	0.0%	704	14.5%	4 853	100%
	Kirehe	8 483	77.1%	210	1.9%	556	5.1%	99	0.9%	630	5.7%	1 025	9.3%	11 003	100%
	Ngoma	2 077	42.4%	248	5.0%	486	9.9%	175	3.6%	627	12.8%	1 289	26.3%	4 902	100%
	Nyagatare	3 558	54.2%	193	2.9%	1 440	22.0%	725	11.1%	335	5.1%	310	4.7%	6 561	100%
	Sub-total	**19 047**	**49.2%**	**1 654**	**4.3%**	**5 757**	**14.9%**	**3 402**	**8.8%**	**4 636**	**12.0%**	**4 254**	**11.0%**	**38 750**	**100%**
Total		**70 071**	**35.6%**	**7 067**	**3.6%**	**33 261**	**16.9%**	**36 840**	**18.7%**	**22 403**	**11.4%**	**27 041**	**13.7%**	**196 684**	**100%**

A 4.6.4a. Forestry Income (in RWF) by province and district during Season 2008A

Province	**District**	Timber Income	Sawn wood income	Firewood income	Charcoal income	**Forestry imcome (2008A season) Total**
Kigali City	Nyarugenge	5 279 753	203 531	853 028	2 363 452	8 699 764
	Gasabo	64 763 234	0	35 589 495	27 219 940	127 572 669
	Kicukiro	3 769 415	0	7 792 976	0	11 562 391
	Sub-total	**73 812 401**	**203 531**	**44 235 499**	**29 583 393**	**147 834 824**
South	Nyanza	34 683 621	8 546 630	9 874 789	58 072 642	111 177 681
	Gisagara	10 985 580	1 983 796	2 726 499	8 038 016	23 733 891
	Nyaruguru	30 754 474	32 927 105	1 684 998	13 946 572	79 313 149
	Huye	16 264 019	6 381 600	2 786 059	28 377 955	53 809 633
	Nyamagabe	22 222 543	14 375 168	21 248 895	59 626 935	117 473 541
	Ruhango	16 798 015	11 465 491	1 088 606	25 470 557	54 822 669
	Muhanga	15 574 758	10 709 665	2 689 827	22 971 454	51 945 704
	Kamonyi	75 991 559	24 294 460	70 577 521	15 877 540	186 741 079
	Sub-total	**223 274 568**	**110 683 916**	**112 677 193**	**232 381 671**	**679 017 347**
West	Karongi	27 381 266	32 848 579	8 856 821	35 685 545	104 772 211
	Ngororero	27 721 250	26 224 914	20 225 815	8 624 707	82 796 686
	Nyabihu	23 050 860	16 461 088	17 684 631	5 682 128	62 878 707
	Rubavu	16 372 463	13 111 972	1 782 635	613 147	31 880 217
	Rutsiro	45 794 365	76 280 744	20 342 203	104 003 222	246 420 534
	Rusizi	28 612 071	15 732 590	10 067 463	0	54 412 124
	Nyamasheke	7 787 757	33 598 210	19 924 681	1 475 752	62 786 400
	Sub-total	**176 720 031**	**214 258 098**	**98 884 249**	**156 084 501**	**645 946 879**
North	Rulindo	9 715 687	8 631 838	35 184 629	11 253 749	64 785 903
	Gakenke	35 142 025	39 733 844	24 426 990	49 250 322	148 553 181
	Musanze	32 400 790	15 436 617	17 837 260	6 486 736	72 161 402
	Burera	31 539 955	6 160 604	10 788 771	0	48 489 330
	Gicumbi	20 147 042	2 225 891	18 641 985	224 268 096	265 283 013
	Sub-total	**128 945 498**	**72 188 793**	**106 879 635**	**291 258 902**	**599 272 828**
East	Bugesera	6 313 131	15 697 729	1 105 711	0	23 116 570
	Rwamagana	19 534 876	669 349	3 673 968	483	23 878 676
	Gatsibo	32 725 460	14 058 917	13 737 595	1 821 395	62 343 368
	Kayonza	26 199 360	1 201 905	5 977 164	1 024	33 379 453
	Kirehe	6 488 698	1 009 499	706 649	0	8 204 846
	Ngoma	8 153 211	5 694 397	1 804 918	1 895 522	17 548 048
	Nyagatare	42 265 624	525 719	2 266 896	5 475 287	50 533 527
	Sub-total	**141 680 360**	**38 857 516**	**29 272 902**	**9 193 711**	**219 004 489**
Rwanda		**744 432 859**	**436 191 853**	**391 949 477**	**718 502 178**	**2 291 076 368**

A 4.6.4b. Forestry Income (in RWF) by province and district during Season 2008B

Province	**District**	Timber Income	Sawn wood income	Firewood income	Charcoal income	**Forestry imcome (2008B season) Total**
Kigali City	Nyarugenge	2 253 494	824 788	2 153 070	2 100 846	7 332 198
	Gasabo	46 937 335	17 864 041	5 777 156	66 389 679	136 968 211
	Kicukiro	52 836 774	54 890 067	34 765 181	0	142 492 022
	Sub-total	**102 027 603**	**73 578 896**	**42 695 408**	**68 490 525**	**286 792 432**
South	Nyanza	9 227 739	0	320 481	7 482 160	17 030 380
	Gisagara	9 474 126	1 789 588	988 026	3 813 392	16 065 132
	Nyaruguru	12 409 691	8 195 343	147 577	4 316 093	25 068 704
	Huye	20 945 546	185 227 321	10 261 934	53 198 803	269 633 604
	Nyamagabe	32 748 638	26 976 216	17 331 245	72 145 414	149 201 513
	Ruhango	20 234 725	4 107 734	11 095 085	14 097 715	49 535 259
	Muhanga	32 770 457	6 690 075	9 480 953	35 238 663	84 180 148
	Kamonyi	31 692 286	12 463 080	75 929 427	38 170 697	158 255 490
	Sub-total	**169 503 209**	**245 449 356**	**125 554 729**	**228 462 937**	**768 970 231**
West	Karongi	19 286 558	19 172 688	5 985 338	21 814 336	66 258 920
	Ngororero	18 478 413	12 779 110	1 042 188	60 807 609	93 107 320
	Nyabihu	29 542 678	13 928 284	6 147 606	7 567 955	57 186 523
	Rubavu	21 548 738	5 293 779	886 943	775	27 730 235
	Rutsiro	26 873 071	23 956 854	8 655 516	46 027 434	105 512 875
	Rusizi	29 221 070	195 525 158	8 229 394	3 586 698	236 562 320
	Nyamasheke	11 542 949	35 975 516	24 312 936	0	71 831 401
	Sub-total	**156 493 476**	**306 631 389**	**55 259 920**	**139 804 807**	**658 189 592**
North	Rulindo	10 503 319	6 014 281	12 539 110	8 456 415	37 513 125
	Gakenke	53 701 694	13 869 355	45 740 566	18 068 039	131 379 654
	Musanze	60 781 107	2 361 941	19 190 700	5 789 804	88 123 552
	Burera	24 845 504	1 377 361	13 354 333	3 660	39 580 858
	Gicumbi	120 427 023	11 622 346	164 038 081	4 857 675	300 945 125
	Sub-total	**270 258 648**	**35 245 284**	**254 862 790**	**37 175 593**	**597 542 315**
East	Bugesera	3 740 993	294	1 100 176	643	4 842 106
	Rwamagana	10 606 480	0	4 219 954	9 314	14 835 748
	Gatsibo	42 224 728	5 925 601	3 595 373	1 278	51 746 980
	Kayonza	13 103 804	0	2 138 400	0	15 242 204
	Kirehe	3 020 831	297 100	504 750	809	3 823 490
	Ngoma	31 957 109	6 003 024	0	2 369 857	40 329 990
	Nyagatare	162 333 896	2 711 979	223 527	2 381 601	167 651 003
	Sub-total	**266 987 842**	**14 937 998**	**11 782 180**	**4 763 502**	**298 471 522**
Rwanda		**965 270 777**	**675 842 923**	**490 155 027**	**478 697 365**	**2 609 966 092**

A 4.6.4c. Forestry Income (in RWF) by province and district in 2008

Province	**District**	Timber Income	Sawn wood income	Firewood income	Charcoal income	**Forestry imcome (Year 2008) Total**
Kigali City	Nyarugenge	7 533 247	1 028 319	3 006 098	4 464 298	16 031 962
	Gasabo	111 700 569	17 864 041	41 366 651	93 609 619	264 540 880
	Kicukiro	56 606 189	54 890 067	42 558 157	0	154 054 413
	Sub-total	**175 840 004**	**73 782 427**	**86 930 907**	**98 073 918**	**434 627 256**
South	Nyanza	43 911 360	8 546 630	10 195 270	65 554 802	128 208 061
	Gisagara	20 459 706	3 773 384	3 714 525	11 851 408	39 799 023
	Nyaruguru	43 164 165	41 122 448	1 832 575	18 262 665	104 381 853
	Huye	37 209 565	191 608 921	13 047 993	81 576 758	323 443 237
	Nyamagabe	54 971 181	41 351 384	38 580 140	131 772 349	266 675 054
	Ruhango	37 032 740	15 573 225	12 183 691	39 568 272	104 357 928
	Muhanga	48 345 215	17 399 740	12 170 780	58 210 117	136 125 852
	Kamonyi	107 683 845	36 757 540	146 506 948	54 048 237	344 996 569
	Sub-total	**392 777 777**	**356 133 272**	**238 231 922**	**460 844 608**	**1 447 987 578**
West	Karongi	46 667 824	52 021 267	14 842 159	57 499 881	171 031 131
	Ngororero	46 199 663	39 004 024	21 268 003	69 432 316	175 904 006
	Nyabihu	52 593 538	30 389 372	23 832 237	13 250 083	120 065 230
	Rubavu	37 921 201	18 405 751	2 669 578	613 922	59 610 452
	Rutsiro	72 667 436	100 237 598	28 997 719	150 030 656	351 933 409
	Rusizi	57 833 141	211 257 748	18 296 857	3 586 698	290 974 444
	Nyamasheke	19 330 706	69 573 726	44 237 617	1 475 752	134 617 801
	Sub-total	**333 213 507**	**520 889 487**	**154 144 169**	**295 889 308**	**1 304 136 471**
North	Rulindo	20 219 006	14 646 119	47 723 739	19 710 164	102 299 028
	Gakenke	88 843 719	53 603 199	70 167 556	67 318 361	279 932 835
	Musanze	93 181 897	17 798 558	37 027 960	12 276 540	160 284 954
	Burera	56 385 459	7 537 965	24 143 104	3 660	88 070 188
	Gicumbi	140 574 065	13 848 237	182 680 066	229 125 771	566 228 138
	Sub-total	**399 204 146**	**107 434 077**	**361 742 425**	**328 434 495**	**1 196 815 143**
East	Bugesera	10 054 124	15 698 023	2 205 887	643	27 958 676
	Rwamagana	30 141 356	669 349	7 893 922	9 797	38 714 424
	Gatsibo	74 950 188	19 984 518	17 332 968	1 822 673	114 090 348
	Kayonza	39 303 164	1 201 905	8 115 564	1 024	48 621 657
	Kirehe	9 509 529	1 306 599	1 211 399	809	12 028 336
	Ngoma	40 110 320	11 697 421	1 804 918	4 265 379	57 878 038
	Nyagatare	204 599 520	3 237 698	2 490 423	7 856 888	218 184 530
	Sub-total	**408 668 202**	**53 795 514**	**41 055 082**	**13 957 213**	**517 476 011**
Rwanda		**1 709 703 636**	**1 112 034 776**	**882 104 504**	**1 197 199 543**	**4 901 042 460**

A 4.6.5. Distribution of households according to sources of firewood

Province	District	Main source of energy for cooking													
		Household afforestation		Glean firewood in public afforestations		Glean firewood in afforestations of neighbors		Use crop residues for cooking		Buy firewood		Other		Total	
Kigali City	Nyarugenge	2 214	23.8%	2 869	30.8%	2 387	25.6%	524	5.6%	735	7.9%	584	6.3%	9 313	100%
	Gasabo	7 637	24.4%	6 710	21.4%	7 999	25.5%	2 753	8.8%	4 293	13.7%	1 921	6.1%	31 313	100%
	Kicukiro	2 326	23.9%	171	1.8%	650	6.7%	2 100	21.5%	2 172	22.3%	2 328	23.9%	9 747	100%
	Sub-total	**12 176**	**24.2%**	**9 750**	**19.4%**	**11 036**	**21.9%**	**5 377**	**10.7%**	**7 201**	**14.3%**	**4 833**	**9.6%**	**50 373**	**100%**
South	Nyanza	8 543	18.2%	7 343	15.6%	25 257	53.8%	1 054	2.2%	3 116	6.6%	1 605	3.4%	46 918	100%
	Gisagara	14 215	21.0%	7 533	11.1%	26 060	38.4%	6 840	10.1%	8 166	12.0%	4 970	7.3%	67 784	100%
	Nyaruguru	25 456	47.1%	5 942	11.0%	19 898	36.8%	301	0.6%	1 898	3.5%	602	1.1%	54 097	100%
	Huye	19 246	35.0%	12 590	22.9%	12 726	23.1%	2 317	4.2%	6 506	11.8%	1 630	3.0%	55 016	100%
	Nyamagabe	30 016	45.8%	6 372	9.7%	23 051	35.2%	1 106	1.7%	3 353	5.1%	1 676	2.6%	65 575	100%
	Ruhango	17 559	31.5%	2 654	4.8%	13 469	24.2%	10 549	18.9%	8 351	15.0%	3 130	5.6%	55 712	100%
	Muhanga	29 939	51.4%	3 339	5.7%	13 467	23.1%	4 203	7.2%	6 726	11.6%	526	0.9%	58 200	100%
	Kamonyi	19 309	33.1%	2 635	4.5%	21 419	36.7%	8 438	14.4%	3 910	6.7%	2 700	4.6%	58 410	100%
	Sub-total	**164 283**	**35.6%**	**48 408**	**10.5%**	**155 346**	**33.6%**	**34 809**	**7.5%**	**42 026**	**9.1%**	**16 839**	**3.6%**	**461 711**	**100%**
West	Karongi	26 052	42.7%	1 617	2.6%	16 724	27.4%	1 798	2.9%	11 903	19.5%	2 966	4.9%	61 059	100%
	Ngororero	24 453	36.5%	7 313	10.9%	20 623	30.8%	4 959	7.4%	9 016	13.4%	686	1.0%	67 049	100%
	Nyabihu	26 751	47.3%	2 093	3.7%	10 366	18.3%	3 055	5.4%	13 862	24.5%	442	0.8%	56 570	100%
	Rubavu	18 240	35.9%	2 720	5.3%	6 135	12.1%	5 660	11.1%	16 064	31.6%	2 039	4.0%	50 858	100%
	Rutsiro	21 194	35.1%	6 873	11.4%	13 307	22.0%	4 965	8.2%	12 265	20.3%	1 802	3.0%	60 406	100%
	Rusizi	14 411	22.5%	4 187	6.5%	18 055	28.2%	7 778	12.2%	12 410	19.4%	7 131	11.1%	63 972	100%
	Nyamasheke	17 944	23.4%	8 497	11.1%	28 020	36.6%	5 414	7.1%	13 100	17.1%	3 623	4.7%	76 597	100%
	Sub-total	**149 045**	**34.1%**	**33 299**	**7.6%**	**113 230**	**25.9%**	**33 629**	**7.7%**	**88 620**	**20.3%**	**18 689**	**4.3%**	**436 512**	**100%**
North	Rulindo	21 590	38.6%	6 903	12.3%	14 421	25.8%	2 605	4.7%	6 083	10.9%	4 303	7.7%	55 907	100%
	Gakenke	38 846	53.6%	1 731	2.4%	14 035	19.4%	1 070	1.5%	16 039	22.1%	800	1.1%	72 521	100%
	Musanze	25 654	39.9%	1 319	2.1%	11 407	17.8%	8 678	13.5%	14 837	23.1%	2 361	3.7%	64 256	100%
	Burera	25 586	39.2%	2 451	3.8%	16 708	25.6%	8 648	13.2%	11 133	17.1%	756	1.2%	65 281	100%
	Gicumbi	30 284	43.7%	3 948	5.7%	18 011	26.0%	5 914	8.5%	4 530	6.5%	6 598	9.5%	69 285	100%
	Sub-total	**141 960**	**43.4%**	**16 352**	**5.0%**	**74 583**	**22.8%**	**26 916**	**8.2%**	**52 622**	**16.1%**	**14 818**	**4.5%**	**327 250**	**100%**
East	Bugesera	6 717	11.8%	8 979	15.7%	16 053	28.1%	6 219	10.9%	4 329	7.6%	14 811	25.9%	57 109	100%
	Rwamagana	5 093	10.3%	2 204	4.4%	20 693	41.7%	9 577	19.3%	5 687	11.5%	6 391	12.9%	49 645	100%
	Gatsibo	12 729	18.2%	9 869	14.1%	14 881	21.2%	15 528	22.1%	5 972	8.5%	11 141	15.9%	70 119	100%
	Kayonza	3 360	6.5%	5 989	11.7%	10 235	19.9%	6 400	12.5%	8 373	16.3%	17 030	33.1%	51 387	100%
	Kirehe	5 328	9.6%	19 933	35.8%	9 894	17.8%	5 963	10.7%	3 975	7.1%	10 607	19.0%	55 699	100%
	Ngoma	5 503	9.7%	11 714	20.5%	23 714	41.6%	7 308	12.8%	1 920	3.4%	6 844	12.0%	57 004	100%
	Nyagatare	5 686	9.8%	4 733	8.2%	12 281	21.2%	20 794	35.9%	8 770	15.2%	5 616	9.7%	57 879	100%
	Sub-total	**44 416**	**11.1%**	**63 421**	**15.9%**	**107 750**	**27.0%**	**71 789**	**18.0%**	**39 027**	**9.8%**	**72 439**	**18.2%**	**398 841**	**100%**
Rwanda		**511 881**	**30.6%**	**171 229**	**10.2%**	**461 946**	**27.6%**	**172 519**	**10.3%**	**229 495**	**13.7%**	**127 617**	**7.6%**	**1 674 687**	**100%**

A 4.6.6. Distribution of households according the possession of afforestations and the source of firewood

Main source of energy for cooking	Existence of trees on farm (Afforestations or not)									
	Afforestation on farm + scattered trees champ		Afforestation on farm only		Scattered trees only		No afforestation, no scattered trees		Total	
Household afforestation	407 873	24.4%	92 220	5.5%	10 368	0.6%	0	0.0%	510 460	30.5%
Glean firewood in public afforestations	25 707	1.5%	7 345	0.4%	71 897	4.3%	66 280	4.0%	171 229	10.2%
Glean firewood in afforestations of neighbors	68 372	4.1%	16 128	1.0%	186 723	11.1%	192 142	11.5%	463 366	27.7%
Use crop residues for cooking	15 209	0.9%	5 379	0.3%	65 323	3.9%	86 609	5.2%	172 519	10.3%
Buy firewood	44 094	2.6%	15 767	0.9%	87 153	5.2%	82 482	4.9%	229 495	13.7%
Other	14 348	0.9%	6 118	0.4%	60 780	3.6%	46 370	2.8%	127 617	7.6%
Total	**575 603**	**34.4%**	**142 957**	**8.5%**	**482 243**	**28.8%**	**473 884**	**28.3%**	**1 674 687**	**100.0%**

HARVEST STORING, NUTRITION AND FOOD SECURITY

A 4.7.1a. Food in stock (in tons), from the previous season held in agricultural households during Season 2008A

Province	District	Pulses			Oleaginous		Cereals			
		Bush beans	Climbing beans	Peas	Shelled groundnuts	Soybean	Sorghum	Maize (dry grains)	wheat	Rice
Kigali City	Nyarugenge	49	0	0	4	12	213	8	0	0
	Gasabo	823	33	17	20	47	753	39	0	13
	Kicukiro	17	0	0	1	0	4	2	1	0
	Sub-total	**889**	**33**	**17**	**25**	**59**	**970**	**49**	**1**	**13**
South	Nyanza	752	384	73	129	214	1 354	20	5	38
	Gisagara	161	7	93	37	42	1 100	82	2	298
	Nyaruguru	25	41	12	0	15	485	23	93	0
	Huye	258	116	37	10	75	1 773	18	0	59
	Nyamagabe	18	28	17	0	17	323	60	122	52
	Ruhango	180	16	5	21	37	801	72	26	2
	Muhanga	57	299	9	9	25	20	41	0	14
	Kamonyi	851	734	94	202	224	1 323	341	1	12
	Sub-total	**2 301**	**1 626**	**340**	**408**	**648**	**7 179**	**656**	**248**	**476**
West	Karongi	222	45	12	1	75	300	61	17	18
	Ngororero	14	556	34	0	45	27	58	79	2
	Nyabihu	16	188	39	7	0	66	811	79	0
	Rubavu	0	730	52	0	0	0	151	1	0
	Rutsiro	23	138	21	0	3	217	881	56	0
	Rusizi	221	10	1	13	40	5	84	0	89
	Nyamasheke	87	91	12	8	47	28	24	8	1
	Sub-total	**583**	**1 757**	**170**	**28**	**210**	**643**	**2 071**	**239**	**111**
North	Rulindo	873	270	117	94	193	1 571	199	2	13
	Gakenke	56	824	25	6	28	111	152	12	10
	Musanze	19	260	1	0	8	48	19	12	0
	Burera	49	862	22	0	7	935	194	114	0
	Gcumbi	224	318	109	2	94	1 929	40	33	0
	Sub-total	**1 222**	**2 534**	**274**	**102**	**330**	**4 593**	**604**	**174**	**23**
East	Bugesera	1 535	30	51	115	68	2 762	345	5	25
	Rwamagana	1 125	54	20	97	170	3 061	710	0	0
	Gatsibo	936	44	45	112	39	1 492	285	0	14
	Kayonza	494	4	6	26	23	2 547	122	0	15
	Kirehe	553	233	16	65	152	1 540	548	1	21
	Ngoma	1 093	111	46	228	87	1 229	298	3	20
	Nyagatare	1 236	98	33	259	65	1 374	1 077	41	128
	Sub-total	**6 972**	**574**	**218**	**903**	**604**	**14 007**	**3 386**	**50**	**225**
Rwanda		**11 968**	**6 523**	**1 019**	**1 467**	**1 851**	**27 392**	**6 766**	**714**	**847**

A 4.7.1b. Food in stock (in tons), from the previous season held in agricultural households during Season 2008B

Province	District	Pulses			Oleaginous		Cereals			
		Bush beans	Climbing beans	Peas	Shelled groundnuts	Soybean	Sorghum	Maize (dry grains)	wheat	Rice
Kigali City	Nyarugenge	221	32	15	0	13	11	1	0	0
	Gasabo	657	9	15	40	52	153	20	0	19
	Kicukiro	104	0	0	16	1	0	6	0	6
	Sub-total	**982**	**41**	**30**	**55**	**67**	**163**	**27**	**0**	**25**
South	Nyanza	369	115	7	99	26	172	54	1	13
	Gisagara	976	60	70	71	111	242	113	1	129
	Nyaruguru	139	578	117	0	110	20	194	24	0
	Huye	778	256	62	43	106	32	40	5	74
	Nyamagabe	105	153	50	0	15	57	148	7	0
	Ruhango	569	101	25	76	67	133	357	4	27
	Muhanga	312	2 310	16	3	62	2	40	0	46
	Kamonyi	948	450	50	198	118	28	55	0	15
	Sub-total	**4 196**	**4 025**	**396**	**490**	**614**	**685**	**1 000**	**42**	**305**
West	Karongi	449	332	22	0	77	138	271	7	0
	Ngororero	91	806	50	0	79	90	386	55	18
	Nyabihu	1	1 069	57	0	7	262	356	28	10
	Rubavu	0	909	12	0	13	1	392	2	0
	Rutsiro	190	200	38	0	20	57	950	13	16
	Rusizi	277	7	0	14	39	38	392	18	436
	Nyamasheke	189	827	111	20	88	3	204	1	3
	Sub-total	**1 196**	**4 150**	**290**	**34**	**323**	**588**	**2 952**	**125**	**484**
North	Rulindo	753	684	110	7	27	83	168	6	0
	Gakenke	41	1 274	20	6	165	136	355	22	2
	Musanze	3	287	7	0	1	170	229	18	0
	Burera	63	488	41	0	1	130	1 939	52	0
	Gcumbi	504	445	68	1	26	36	32	18	0
	Sub-total	**1 364**	**3 178**	**245**	**15**	**219**	**555**	**2 722**	**117**	**2**
East	Bugesera	832	1	1	18	24	212	1 042	308	28
	Rwamagana	1 935	116	28	174	68	14	382	0	2
	Gatsibo	1 736	130	63	571	45	1 287	617	2	67
	Kayonza	1 293	3	33	51	18	458	281	0	5
	Kirehe	607	139	6	125	68	138	1 383	1	10
	Ngoma	1 646	60	65	516	131	538	189	2	68
	Nyagatare	679	16	11	88	50	537	585	2	35
	Sub-total	**8 726**	**465**	**206**	**1 543**	**404**	**3 184**	**4 481**	**315**	**214**
Rwanda		**16 465**	**11 858**	**1 168**	**2 137**	**1 627**	**5 176**	**11 182**	**600**	**1 029**

A 4.7.2a. Distribution of households by province and district according to the number of meals taken by adults during Season 2008A

Province	District	Adults: number of meals per day						
		1 meal per day for adults in the whole season	1 meal per day for adults not in the whole season	2 meals per day for adults in the whole season	2 meals per day for adults not in the whole season	3 meals per day for adults in the whole season	3 meals per day for adults not in the whole season	Total
Kigali City	Nyarugenge	1.7%	6.7%	71.7%	10.0%	5.0%	5.0%	100%
	Gasabo	6.0%	0.9%	82.6%	2.8%	7.8%	0.0%	100%
	Kicukiro	1.6%	8.2%	59.0%	3.3%	27.9%	0.0%	100%
	Sub-total	**4.4%**	**3.2%**	**76.4%**	**4.1%**	**10.9%**	**0.9%**	**100%**
South	Nyanza	4.2%	3.6%	81.6%	4.5%	5.0%	1.2%	100%
	Gisagara	11.3%	12.1%	61.1%	11.8%	2.9%	0.8%	100%
	Nyaruguru	8.3%	3.1%	80.4%	3.7%	4.6%	0.0%	100%
	Huye	6.5%	7.1%	73.2%	7.1%	2.7%	3.3%	100%
	Nyamagabe	9.9%	7.2%	69.4%	7.2%	4.8%	1.3%	100%
	Ruhango	3.5%	2.6%	88.0%	2.1%	3.5%	0.3%	100%
	Muhanga	1.5%	0.3%	90.9%	0.3%	7.0%	0.0%	100%
	Kamonyi	2.1%	1.2%	89.3%	4.1%	3.0%	0.3%	100%
	Sub-total	**6.0%**	**4.8%**	**78.9%**	**5.2%**	**4.2%**	**0.9%**	**100%**
West	Karongi	14.1%	4.8%	68.3%	7.9%	3.8%	1.0%	100%
	Ngororero	4.9%	5.7%	74.3%	7.8%	6.0%	1.3%	100%
	Nyabihu	3.9%	4.9%	63.0%	15.6%	10.7%	1.8%	100%
	Rubavu	7.1%	15.7%	65.6%	4.7%	6.8%	0.0%	100%
	Rutsiro	1.6%	5.8%	84.5%	4.2%	3.2%	0.6%	100%
	Rusizi	17.0%	8.6%	49.9%	14.1%	7.3%	3.1%	100%
	Nyamasheke	10.7%	13.7%	50.9%	17.2%	5.1%	2.4%	100%
	Sub-total	**8.5%**	**8.5%**	**64.6%**	**10.6%**	**6.3%**	**1.5%**	**100%**
North	Rulindo	7.0%	2.8%	81.7%	2.8%	4.9%	0.9%	100%
	Gakenke	3.7%	2.3%	83.3%	4.2%	5.6%	0.9%	100%
	Musanze	2.1%	2.9%	66.9%	10.1%	15.7%	2.1%	100%
	Burera	3.5%	7.2%	65.9%	17.9%	3.5%	2.1%	100%
	Gicumbi	4.4%	4.4%	80.3%	7.2%	3.2%	0.5%	100%
	Sub-total	**4.1%**	**3.9%**	**75.8%**	**8.4%**	**6.5%**	**1.3%**	**100%**
East	Bugesera	4.4%	9.9%	75.3%	5.5%	4.4%	0.5%	100%
	Rwamagana	3.3%	1.2%	91.6%	0.9%	3.0%	0.0%	100%
	Gatsibo	7.8%	4.6%	76.0%	5.2%	6.1%	0.3%	100%
	Kayonza	2.2%	5.7%	79.5%	5.0%	6.0%	1.6%	100%
	Kirehe	4.2%	5.1%	84.0%	0.9%	3.3%	2.4%	100%
	Ngoma	1.2%	2.4%	88.4%	2.1%	5.7%	0.3%	100%
	Nyagatare	1.9%	3.4%	87.6%	2.2%	4.1%	0.7%	100%
	Sub-total	**3.7%**	**4.7%**	**82.9%**	**3.2%**	**4.7%**	**0.8%**	**100%**
Total		**5.6%**	**5.5%**	**75.6%**	**6.7%**	**5.5%**	**1.1%**	**100%**

A 4.7.2b. Distribution of households by province and district according to the number of meals taken by adults during Season 2008B

Province	District	Adults: number of meals per day						
		1 meal per day for adults in the whole season	1 meal per day for adults not in the whole season	2 meals per day for adults in the whole season	2 meals per day for adults not in the whole season	3 meals per day for adults in the whole season	3 meals per day for adults not in the whole season	Total
Kigali City	Nyarugenge	5.4%	7.1%	76.8%	1.8%	8.9%	0.0%	100%
	Gasabo	7.3%	5.8%	73.3%	1.9%	11.2%	0.5%	100%
	Kicukiro	1.7%	8.6%	63.8%	1.7%	22.4%	1.7%	100%
	Sub-total	**5.9%**	**6.6%**	**72.2%**	**1.9%**	**12.8%**	**0.6%**	**100%**
South	Nyanza	0.3%	2.4%	85.4%	3.0%	6.8%	2.1%	100%
	Gisagara	8.2%	14.3%	58.6%	14.6%	2.9%	1.3%	100%
	Nyaruguru	3.4%	7.7%	85.2%	1.3%	2.0%	0.3%	100%
	Huye	3.3%	3.0%	82.9%	4.2%	5.1%	1.5%	100%
	Nyamagabe	7.9%	7.6%	76.2%	6.0%	1.8%	0.5%	100%
	Ruhango	1.3%	3.0%	79.0%	6.2%	6.2%	4.3%	100%
	Muhanga	0.6%	0.6%	92.8%	1.8%	4.2%	0.0%	100%
	Kamonyi	6.3%	3.1%	80.8%	4.5%	3.1%	2.1%	100%
	Sub-total	**4.0%**	**5.4%**	**79.6%**	**5.4%**	**4.0%**	**1.5%**	**100%**
West	Karongi	6.0%	5.7%	76.3%	3.6%	8.4%	0.0%	100%
	Ngororero	5.3%	4.5%	73.1%	6.9%	7.4%	2.9%	100%
	Nyabihu	4.4%	9.9%	59.5%	20.0%	4.9%	1.4%	100%
	Rubavu	6.0%	6.8%	75.9%	4.8%	5.4%	1.2%	100%
	Rutsiro	2.5%	4.4%	73.5%	9.7%	6.9%	3.1%	100%
	Rusizi	15.2%	12.6%	55.9%	7.1%	7.1%	2.1%	100%
	Nyamasheke	8.7%	16.3%	50.9%	16.0%	6.6%	1.6%	100%
	Sub-total	**7.0%**	**8.8%**	**66.0%**	**9.9%**	**6.6%**	**1.8%**	**100%**
North	Rulindo	2.1%	3.9%	82.6%	1.8%	9.0%	0.6%	100%
	Gakenke	1.4%	1.4%	90.1%	2.9%	3.1%	1.0%	100%
	Musanze	1.6%	2.1%	70.7%	7.9%	14.8%	2.9%	100%
	Burera	1.8%	6.3%	63.2%	16.6%	7.1%	5.0%	100%
	Gicumbi	5.5%	3.6%	81.9%	1.0%	7.8%	0.2%	100%
	Sub-total	**2.5%**	**3.4%**	**77.9%**	**6.0%**	**8.2%**	**1.9%**	**100%**
East	Bugesera	3.6%	5.8%	77.0%	8.7%	4.9%	0.0%	100%
	Rwamagana	1.8%	7.5%	79.9%	3.6%	3.3%	3.9%	100%
	Gatsibo	3.2%	3.7%	84.2%	1.3%	7.1%	0.5%	100%
	Kayonza	4.3%	2.1%	81.7%	4.0%	6.4%	1.5%	100%
	Kirehe	0.0%	5.5%	81.9%	3.7%	5.8%	3.1%	100%
	Ngoma	1.5%	0.6%	87.5%	2.4%	7.5%	0.6%	100%
	Nyagatare	4.1%	3.2%	72.7%	8.9%	9.8%	1.3%	100%
	Sub-total	**2.6%**	**4.0%**	**80.9%**	**4.5%**	**6.4%**	**1.5%**	**100%**
Total		**4.2%**	**5.6%**	**75.8%**	**6.3%**	**6.4%**	**1.6%**	**100%**

A 4.7.3a. Average number of days of food consumption by Province and District during Season 2008A

Province	District	Maize	Rice	Other cereal	Cassava	Sweet potato	Irish potato	Other tubers (Taro, Yam)	Bread, mandazi, capati	Cooking banana	Beans, Peas	Other vegetable	Sombé	Groundnut	Sunflower	Fresh fruits	Fish	Meat (domestic or hunting)	Poultry(Chicken, Duck Turkey)	eggs	Vegetable or animal oils	Sugar	Milk
Kigali City	Nyarugenge	1.7	0.8	1.3	3.4	2.1	1.8	0.3	0.5	2.2	5.7	2.7	0.4	1.4	0.0	1.7	0.3	0.4	0.0	0.3	5.9	1.7	0.7
	Gasabo	1.6	1.4	1.6	2.0	2.8	2.3	0.5	0.9	2.2	5.5	2.7	0.6	1.1	0.2	0.7	0.2	0.5	0.2	0.6	4.8	2.5	0.8
	Kicukiro	2.0	1.0	1.8	1.5	1.9	1.1	0.5	1.0	2.5	6.2	2.6	0.7	1.9	0.2	0.4	0.2	0.6	0.2	0.3	4.1	2.4	1.0
	S/total	**1.7**	**1.2**	**1.6**	**2.2**	**2.5**	**2.0**	**0.5**	**0.8**	**2.2**	**5.7**	**2.6**	**0.6**	**1.3**	**0.2**	**0.8**	**0.2**	**0.5**	**0.1**	**0.5**	**4.9**	**2.3**	**0.8**
South	Nyanza	0.8	0.7	1.0	2.9	3.3	1.3	0.3	0.3	1.2	5.2	3.0	0.4	0.9	0.2	0.4	0.2	0.2	0.1	0.2	3.9	1.6	1.1
	Gisagara	0.8	0.9	0.7	1.6	3.0	0.6	0.2	0.2	1.1	4.7	3.1	0.4	0.7	0.5	0.4	0.4	0.2	0.0	0.2	3.5	0.6	0.3
	Nyaruguru	1.1	0.3	1.0	1.1	4.7	1.2	0.3	0.3	0.7	4.9	3.4	0.4	0.2	0.1	0.5	0.8	0.1	0.0	0.2	4.0	0.7	0.5
	Huye	1.0	1.2	1.3	1.7	3.9	1.6	0.5	0.4	0.9	5.1	2.8	0.4	0.9	0.5	0.8	0.2	0.2	0.2	0.2	3.9	1.0	0.5
	Nyamagabe	1.6	0.4	1.8	1.3	4.6	1.5	0.3	0.2	1.0	4.9	3.1	0.2	0.2	0.1	0.7	0.1	0.1	0.1	0.2	3.0	0.7	0.4
	Ruhango	0.6	0.6	1.4	3.4	3.2	1.0	0.4	0.2	0.9	5.1	3.2	0.7	1.2	0.2	0.5	0.1	0.2	0.0	0.2	4.4	1.5	1.0
	Muhanga	0.5	0.8	1.0	3.2	3.8	0.9	0.5	0.3	1.2	5.1	3.4	1.1	0.8	0.0	0.5	0.2	0.4	0.1	0.3	3.9	1.2	0.8
	Kamonyi	1.2	0.7	1.9	3.2	3.5	1.2	0.8	0.6	1.7	5.2	4.1	0.7	1.6	0.2	0.8	0.3	0.5	0.1	0.6	4.4	2.3	1.5
	S/total	**1.0**	**0.7**	**1.3**	**2.3**	**3.7**	**1.2**	**0.4**	**0.3**	**1.1**	**5.0**	**3.2**	**0.5**	**0.8**	**0.2**	**0.6**	**0.3**	**0.2**	**0.1**	**0.3**	**3.9**	**1.2**	**0.8**
West	Karongi	1.8	0.7	1.7	1.6	4.0	1.3	0.6	0.3	1.6	5.0	3.1	0.5	0.4	0.2	0.7	0.4	0.3	0.1	0.5	4.0	1.2	0.6
	Ngororero	2.0	0.3	1.0	1.7	4.2	2.0	0.4	0.2	0.9	4.9	2.2	0.4	0.2	0.0	0.3	0.1	0.3	0.0	0.1	3.0	0.9	0.4
	Nyabihu	2.9	0.3	1.7	0.5	3.0	3.8	0.2	0.4	0.6	5.1	2.0	0.2	0.4	0.1	0.3	0.1	0.2	0.0	0.1	2.2	1.0	0.7
	Rubavu	2.7	0.6	1.8	0.5	2.1	4.3	0.3	0.4	0.9	5.2	2.9	0.4	0.3	0.1	0.2	0.2	0.3	0.1	0.2	2.9	1.5	0.5
	Rutsiro	2.8	0.3	0.8	0.9	3.4	2.9	0.3	0.2	1.0	4.2	2.5	0.7	0.3	0.1	0.4	0.5	0.3	0.1	0.2	2.6	1.0	0.4
	Rusizi	2.9	1.1	0.4	2.8	1.9	0.8	0.2	0.4	1.6	4.0	4.0	0.5	0.6	0.0	0.5	1.0	0.5	0.0	0.1	5.3	1.8	0.5
	Nyamasheke	1.3	0.8	1.1	2.0	2.8	0.4	0.5	0.4	1.3	3.0	3.0	0.5	0.7	0.1	0.8	1.0	0.3	0.1	0.3	4.9	1.6	0.4
	S/total	**2.4**	**0.6**	**1.2**	**1.5**	**3.1**	**2.2**	**0.4**	**0.3**	**1.1**	**4.5**	**2.8**	**0.4**	**0.4**	**0.1**	**0.4**	**0.5**	**0.3**	**0.1**	**0.2**	**3.6**	**1.3**	**0.5**
North	Rulindo	1.0	0.4	1.2	2.1	4.6	1.5	0.5	0.4	1.7	5.3	3.7	0.8	0.4	0.1	0.6	0.2	0.2	0.2	0.2	3.2	0.9	0.3
	Gakenke	1.6	0.3	0.9	1.6	4.8	1.3	0.6	0.4	1.8	5.4	2.2	0.7	0.5	0.2	0.5	0.2	0.2	0.1	0.2	3.4	0.5	0.5
	Musanze	2.9	0.5	2.5	0.4	2.6	3.3	0.5	0.4	1.3	5.8	2.9	0.3	0.5	0.1	0.5	0.3	0.2	0.0	0.2	3.2	1.4	0.5
	Burera	1.7	0.3	0.7	0.3	4.1	2.7	0.1	0.2	0.7	4.8	2.2	0.1	0.1	0.0	0.2	0.1	0.1	0.0	0.1	0.9	0.3	0.3
	Gicumbi	1.2	0.4	1.4	0.8	5.1	2.4	0.3	0.4	1.8	6.1	3.4	0.3	0.2	0.1	0.6	0.1	0.1	0.0	0.2	3.7	0.9	0.8
	S/total	**1.7**	**0.4**	**1.3**	**1.0**	**4.3**	**2.2**	**0.4**	**0.4**	**1.5**	**5.5**	**2.9**	**0.4**	**0.4**	**0.1**	**0.5**	**0.2**	**0.2**	**0.1**	**0.2**	**2.9**	**0.8**	**0.5**
East	Bugesera	1.6	0.7	1.3	2.9	2.7	0.9	0.3	0.4	1.8	5.2	2.6	0.6	1.4	0.2	0.5	0.3	0.2	0.0	0.1	3.6	1.1	0.6
	Rwamagana	1.1	0.7	0.6	1.7	2.7	1.6	0.4	0.8	2.9	4.4	2.5	0.7	1.3	0.2	0.3	0.1	0.3	0.2	0.3	3.5	1.2	1.1
	Gatsibo	2.8	0.4	1.4	1.0	2.6	2.2	0.4	0.7	3.2	5.8	2.6	0.3	0.5	0.1	0.8	0.1	0.3	0.1	0.4	3.9	1.0	1.0
	Kayonza	1.6	0.6	0.8	1.7	2.0	2.1	0.5	0.5	2.8	5.1	2.5	0.3	0.9	0.2	0.4	0.2	0.4	0.1	0.3	2.9	1.5	1.2
	Kirehe	1.9	0.4	0.8	1.5	1.8	0.9	0.7	0.3	3.4	5.7	3.3	0.2	0.7	0.1	0.5	0.2	0.2	0.0	0.3	3.4	1.0	0.4
	Ngoma	1.1	0.6	0.7	1.7	2.6	1.3	0.2	0.2	3.5	4.9	3.0	0.2	1.9	0.3	0.4	0.5	0.2	0.0	0.2	2.5	1.1	0.5
	Nyagatare	2.6	0.6	0.9	1.3	1.5	0.9	0.3	0.5	2.7	4.3	2.0	0.4	1.1	0.1	0.2	0.0	0.4	0.1	0.1	1.6	0.6	1.0
	S/total	**1.8**	**0.6**	**0.9**	**1.7**	**2.3**	**1.4**	**0.4**	**0.5**	**2.9**	**5.1**	**2.7**	**0.4**	**1.1**	**0.2**	**0.5**	**0.2**	**0.3**	**0.1**	**0.3**	**3.1**	**1.1**	**0.8**
Total		**1.7**	**0.6**	**1.2**	**1.7**	**3.3**	**1.7**	**0.4**	**0.4**	**1.6**	**5.0**	**2.9**	**0.5**	**0.7**	**0.1**	**0.5**	**0.3**	**0.3**	**0.1**	**0.2**	**3.5**	**1.1**	**0.7**

A 4.7.3b. Average number of days of food consumption by Province and District during Season 2008B

Province	**District**	Maize	Rice	Other cereal	Cassava	Sweet potato	Irish potato	Other tubers (Taro, Yam)	Bread, mandazi, capati	Cooking banana	Beans ,Peas	Other vegetable	Sombé	Groundnut	Sunflower	Fresh fruits	Fish	Meat (domestic /hunting)	Poultry(Chicken ,Duck Turkey)	eggs	Vegetable or animal oils	Sugar	Milk
Kigali City	Nyarugenge	0.7	0.6	1.6	3.8	2.3	1.6	0.4	0.9	1.8	5.1	2.4	0.9	1.6	0.0	0.8	0.6	0.3	0.2	0.4	5.7	2.2	0.5
	Gasabo	1.0	1.3	2.2	2.2	2.5	1.7	0.5	0.9	2.2	4.4	1.9	0.6	1.1	0.1	0.4	0.2	0.3	0.2	0.5	4.7	2.7	1.2
	Kicukiro	1.4	1.0	2.5	1.7	1.7	1.2	0.6	0.4	2.6	6.0	3.0	0.7	1.4	0.2	0.4	0.3	0.6	0.0	0.3	4.5	3.0	1.1
	S/total	**1.0**	**1.1**	**2.1**	**2.4**	**2.3**	**1.6**	**0.5**	**0.8**	**2.2**	**4.9**	**2.2**	**0.7**	**1.2**	**0.1**	**0.5**	**0.3**	**0.3**	**0.2**	**0.5**	**4.9**	**2.6**	**1.1**
South	Nyanza	0.5	0.7	1.2	3.1	3.1	1.1	0.5	0.3	1.3	4.5	2.8	0.4	1.3	0.2	0.3	0.2	0.2	0.1	0.3	3.3	0.9	1.1
	Gisagara	0.4	1.3	0.8	2.1	3.1	0.5	0.7	0.2	0.9	4.5	2.9	0.4	1.0	0.6	0.4	0.8	0.3	0.0	0.0	4.1	0.5	0.3
	Nyaruguru	0.5	0.4	1.4	2.0	4.8	1.5	0.8	0.3	0.6	4.4	2.8	0.9	0.6	0.1	0.7	0.8	0.2	0.1	0.2	3.8	0.5	0.6
	Huye	0.4	1.4	2.2	2.7	4.0	1.3	0.7	0.3	1.1	5.5	3.2	0.5	1.1	0.5	0.6	0.4	0.2	0.0	0.1	4.8	1.2	0.6
	Nyamagabe	0.3	0.3	2.1	1.5	4.8	1.6	0.6	0.2	0.7	4.1	2.7	0.3	0.3	0.0	0.4	0.1	0.1	0.0	0.1	3.2	0.3	0.5
	Ruhango	0.3	0.8	1.0	3.5	2.5	0.8	0.6	0.3	1.2	4.5	3.1	0.7	1.4	0.2	0.3	0.3	0.3	0.1	0.2	2.7	0.9	0.9
	Muhanga	0.5	0.8	0.9	3.0	3.5	0.8	1.7	0.2	1.2	5.3	3.3	1.0	1.2	0.1	0.6	0.3	0.4	0.0	0.1	4.3	1.2	0.9
	Kamonyi	0.5	0.8	1.7	3.3	3.2	1.2	0.8	0.5	2.0	4.8	3.6	0.8	1.6	0.3	0.5	0.3	0.4	0.2	0.3	4.2	1.9	1.2
	S/total	**0.4**	**0.8**	**1.4**	**2.6**	**3.6**	**1.1**	**0.8**	**0.3**	**1.1**	**4.7**	**3.0**	**0.6**	**1.0**	**0.2**	**0.5**	**0.4**	**0.3**	**0.1**	**0.1**	**3.8**	**0.9**	**0.8**
West	Karongi	1.1	0.6	1.9	1.9	4.0	1.7	1.2	0.4	1.3	4.5	2.5	0.5	0.5	0.1	0.8	0.3	0.3	0.1	0.3	3.5	1.2	0.6
	Ngororero	1.1	0.4	1.3	1.7	4.3	2.6	1.4	0.6	1.1	3.8	2.3	0.6	0.5	0.1	0.3	0.1	0.2	0.1	0.2	3.0	1.0	0.5
	Nyabihu	2.0	0.3	1.8	0.6	3.5	4.2	0.4	0.3	0.4	4.5	2.2	0.3	0.5	0.1	0.2	0.1	0.2	0.0	0.1	1.6	0.8	0.7
	Rubavu	2.5	0.4	1.8	0.7	2.7	4.6	0.3	0.4	0.9	4.8	2.3	0.4	0.3	0.1	0.3	0.3	0.2	0.0	0.1	3.2	1.3	0.5
	Rutsiro	2.1	0.4	1.5	1.4	3.4	2.9	1.1	0.5	1.2	3.9	2.5	0.9	0.4	0.2	0.6	0.5	0.3	0.0	0.1	3.1	1.2	0.6
	Rusizi	0.5	1.1	0.6	3.6	1.9	0.6	0.5	0.6	1.5	3.1	3.0	0.8	0.9	0.1	0.3	1.2	0.6	0.1	0.2	4.9	1.3	0.3
	Nyamasheke	0.8	0.9	0.9	2.4	2.7	0.8	0.5	0.3	1.4	2.9	2.3	0.8	0.8	0.2	0.5	1.1	0.3	0.1	0.3	4.5	1.5	0.5
	S/total	**1.4**	**0.6**	**1.4**	**1.8**	**3.2**	**2.4**	**0.7**	**0.4**	**1.1**	**3.9**	**2.4**	**0.6**	**0.6**	**0.1**	**0.4**	**0.5**	**0.3**	**0.1**	**0.2**	**3.4**	**1.2**	**0.5**
North	Rulindo	0.8	0.4	1.4	2.1	4.5	1.6	0.7	0.5	1.7	5.4	3.4	0.9	0.5	0.1	0.7	0.1	0.3	0.1	0.2	3.0	0.8	0.4
	Gakenke	0.5	0.3	0.8	1.4	4.6	1.9	1.1	0.3	1.6	5.5	2.2	0.8	0.5	0.0	0.5	0.1	0.2	0.0	0.1	2.8	0.3	0.5
	Musanze	1.9	0.4	1.8	0.6	3.5	3.6	0.5	0.5	1.4	5.1	2.6	0.4	0.5	0.1	0.4	0.3	0.2	0.0	0.2	3.3	1.0	0.6
	Burera	1.2	0.2	1.0	0.2	4.0	3.0	0.2	0.1	0.7	5.0	1.7	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	1.0	0.3	0.2
	Gicumbi	0.8	0.4	1.2	0.8	4.8	2.1	0.4	0.5	1.8	5.6	2.7	0.4	0.4	0.1	0.4	0.1	0.1	0.1	0.2	3.6	0.9	0.7
	S/total	**1.0**	**0.3**	**1.2**	**1.0**	**4.3**	**2.4**	**0.6**	**0.4**	**1.5**	**5.3**	**2.5**	**0.5**	**0.4**	**0.1**	**0.4**	**0.1**	**0.2**	**0.0**	**0.2**	**2.7**	**0.6**	**0.5**
East	Bugesera	1.3	0.7	1.7	2.9	2.8	0.9	0.5	0.6	2.3	4.5	1.4	0.7	1.7	0.3	0.3	0.3	0.1	0.1	0.3	3.0	1.1	0.5
	Rwamagana	0.6	0.5	0.7	1.9	2.9	1.0	0.5	0.6	3.2	4.1	2.0	0.5	1.6	0.2	0.3	0.1	0.2	0.2	0.4	3.2	0.7	0.9
	Gatsibo	1.1	0.6	2.0	1.9	3.5	1.6	0.5	0.5	4.4	6.0	2.3	0.2	1.8	0.1	0.4	0.1	0.3	0.0	0.1	3.6	0.8	0.9
	Kayonza	1.3	0.7	1.0	2.0	2.3	2.0	0.6	0.4	3.2	4.7	2.1	0.4	1.3	0.4	0.2	0.2	0.4	0.2	0.3	2.4	1.4	1.1
	Kirehe	1.3	0.6	0.9	1.6	1.9	0.6	1.0	0.4	3.9	5.5	2.2	0.2	1.3	0.2	0.5	0.4	0.2	0.0	0.2	3.2	0.7	0.6
	Ngoma	1.0	0.6	0.9	1.8	2.4	1.0	0.6	0.6	4.1	4.8	2.6	0.4	1.4	0.5	0.5	0.4	0.4	0.1	0.2	3.0	1.3	0.6
	Nyagatare	1.9	0.7	0.5	1.6	1.8	0.7	0.4	0.6	3.2	4.4	1.6	0.3	0.8	0.2	0.4	0.2	0.3	0.1	0.2	1.4	0.4	1.1
	S/total	**1.2**	**0.6**	**1.1**	**2.0**	**2.5**	**1.1**	**0.6**	**0.5**	**3.5**	**4.9**	**2.0**	**0.4**	**1.4**	**0.3**	**0.4**	**0.2**	**0.3**	**0.1**	**0.2**	**2.9**	**0.9**	**0.8**
Total		**1.0**	**0.6**	**1.3**	**1.9**	**3.3**	**1.7**	**0.7**	**0.4**	**1.8**	**4.7**	**2.5**	**0.5**	**0.9**	**0.2**	**0.4**	**0.3**	**0.3**	**0.1**	**0.2**	**3.3**	**1.0**	**0.7**

A 4.7.4a. Distribution (%) of agricultural households according to food items consumption and mode of their acquisition during Season 2008A

	Source of food					
	Own production of the household	Exchange labour/items for food	Borrowed	Purchased	Gift (food) from friends/relatives..	Food aid
Maize	65.8%	3.1%	1.3%	38.7%	7.2%	1.8%
Rice	18.1%	2.8%	.6%	87.0%	2.3%	.3%
Other cereal	48.9%	3.7%	1.6%	57.1%	3.4%	2.9%
Cassava	71.8%	4.0%	1.5%	31.6%	4.1%	.5%
Sweet potato	80.6%	3.9%	1.9%	21.9%	4.3%	3.0%
Irish potato	58.3%	3.6%	1.5%	47.7%	3.4%	.9%
Other tubers (Taro, Yam)	75.3%	4.2%	.6%	25.3%	5.2%	.5%
Bread, mandazi, capati	42.2%	3.0%	.9%	62.8%	1.8%	1.2%
Cooking banana	82.6%	3.6%	1.5%	19.7%	3.7%	1.7%
Beans, Peas	87.6%	2.3%	1.2%	19.0%	3.8%	6.0%
Other pulse	74.7%	2.6%	2.1%	36.2%	5.3%	2.3%
Sombé	78.3%	2.1%	.6%	21.5%	6.5%	.6%
Groundnuts	46.2%	2.7%	1.2%	57.0%	3.5%	.4%
Sunflower	73.9%	2.3%	1.5%	29.1%	3.3%	.5%
Fresh fruits	64.0%	2.3%	.8%	37.4%	6.4%	1.3%
Fish	18.3%	2.1%	1.2%	87.1%	1.8%	1.3%
Meat (domestic/hunting)	15.7%	1.1%	.3%	91.0%	1.3%	.7%
Poultry (Chicken,Duck,Turkey)	32.8%	3.6%	.8%	76.8%	.8%	4.4%
Eggs	38.8%	2.8%	1.3%	63.3%	2.2%	5.0%
Vegetable or animal oils	7.2%	2.7%	1.3%	93.9%	1.9%	5.5%
Sugar	7.0%	2.7%	1.2%	93.9%	1.4%	5.3%
Milk	46.7%	2.6%	1.0%	43.7%	16.7%	4.2%
Total	**59.4%**	**3.0%**	**1.4%**	**44.7%**	**4.2%**	**2.6%**

A 4.7.4b. Distribution (%) of agricultural households according to food items consumption and mode of their acquisition during Season 2008B

	Source of food						
	Own production for the household	Exchange labour/items for food	Borrowed	Purchased	Gift(food) from friends/relatives..	Food aid	Total
Maize	48.1%	3.2%	1.1%	57.8%	4.0%	1.3%	100.0%
Rice	17.6%	2.8%	.4%	87.2%	2.0%	.3%	100.0%
Other cereal	61.2%	3.2%	1.8%	43.2%	5.2%	3.5%	100.0%
Cassava	77.3%	3.9%	1.6%	27.7%	3.4%	.4%	100.0%
Sweet potato	82.3%	4.2%	2.0%	20.9%	3.8%	2.3%	100.0%
Irish potato	52.3%	3.2%	1.7%	52.4%	3.8%	2.0%	100.0%
Other tubers (Taro, Yam)	76.8%	3.2%	.8%	23.7%	6.0%	.2%	100.0%
Bread, mandazi, capati	43.1%	2.1%	1.3%	60.7%	2.2%	1.7%	100.0%
Cooking banana	80.2%	3.6%	1.7%	23.3%	3.7%	1.3%	100.0%
Beans, Peas	79.1%	2.6%	1.6%	29.1%	3.6%	4.8%	100.0%
Other pulse	59.0%	3.6%	2.0%	51.9%	5.3%	1.4%	100.0%
Sombé	75.2%	2.0%	.9%	23.0%	8.5%	.4%	100.0%
Groundnuts	42.3%	2.3%	1.2%	61.4%	2.8%	.6%	100.0%
Sunflower	65.6%	2.6%	1.2%	35.2%	4.1%	.8%	100.0%
Fresh fruits	53.2%	2.1%	.5%	47.1%	9.3%	.5%	100.0%
Fish	14.5%	2.3%	1.3%	89.5%	2.4%	.5%	100.0%
Meat (domestic/hunting)	15.3%	1.0%	.2%	90.6%	1.4%	.3%	100.0%
Poultry (Chicken,Duck,Turkey)	30.1%	3.3%	2.4%	73.6%	2.4%	2.0%	100.0%
Eggs	30.7%	2.7%	2.4%	71.2%	1.3%	4.0%	100.0%
Vegetable or animal oils	6.7%	2.8%	1.7%	94.0%	2.0%	4.3%	100.0%
Sugar	7.4%	2.5%	1.2%	93.1%	1.6%	4.1%	100.0%
Milk	45.6%	2.7%	.7%	44.5%	14.4%	4.3%	100.0%

A 4.7.5a. Distribution (%) of agricultural households according to statement on food security during Season 2008A

Province	District	Experienced food insecurity problems	Causes of food insecurity during 2008A																	
			Drought/Irregular rain	Floodings	Landslides/erosion	Unusual high level of crop pests& disesases	Unusual high level of livestock diseases	Unusual high level of human deseases	Unusual high food prices	Unusual high cost of agricultural inputs(seeds,fertilizers)	Loss or reduced employment of a household member	Reduced income of a household member	Serious illness/accident of a household member	Death of the household head	Death of a working household member	Death of a household member	Theft of productive resources of the household	Insecurity	Storm/ Hail	Other problem	Total
Kigali City	Nyarugenge	60.0%	72.2%	5.6%	2.8%	8.3%	2.8%	13.9%	30.6%	0.0%	2.8%	5.6%	5.6%	5.6%	2.8%	0.0%	0.0%	0.0%	0.0%	5.6%	100%
	Gasabo	36.2%	35.6%	1.4%	1.4%	8.2%	1.4%	6.8%	37.0%	6.8%	23.3%	8.2%	20.5%	0.0%	1.4%	0.0%	5.5%	1.4%	0.0%	26.0%	100%
	Kicukiro	36.1%	66.7%	0.0%	0.0%	0.0%	0.0%	0.0%	47.6%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	14.3%	100%
	Sub-total	**40.4%**	**50.8%**	**2.3%**	**1.5%**	**6.9%**	**1.5%**	**7.7%**	**36.9%**	**3.8%**	**13.8%**	**6.9%**	**13.1%**	**1.5%**	**1.5%**	**0.0%**	**3.1%**	**0.8%**	**0.8%**	**18.5%**	**100%**
South	Nyanza	59.6%	88.0%	4.7%	2.6%	2.6%	0.0%	14.1%	27.7%	5.8%	2.1%	5.2%	6.8%	1.0%	1.0%	0.5%	1.0%	0.5%	0.5%	5.2%	100%
	Gisagara	70.5%	77.9%	9.1%	4.6%	15.6%	3.0%	14.8%	19.4%	10.3%	5.7%	3.0%	8.7%	1.1%	0.0%	0.4%	1.9%	1.5%	4.6%	9.5%	100%
	Nyaruguru	47.5%	43.8%	1.5%	4.4%	2.9%	2.2%	10.9%	37.2%	18.2%	5.8%	3.6%	19.0%	2.9%	2.9%	3.6%	4.4%	2.9%	4.4%	26.3%	100%
	Huye	75.9%	79.4%	2.7%	3.5%	8.6%	0.8%	21.4%	52.9%	27.2%	5.4%	4.7%	10.9%	1.6%	0.0%	0.0%	2.3%	1.6%	0.0%	10.1%	100%
	Nyamagabe	57.4%	77.4%	1.0%	7.2%	6.7%	2.9%	9.6%	42.8%	20.7%	4.8%	1.0%	9.1%	1.9%	0.0%	0.5%	3.4%	1.0%	1.0%	14.4%	100%
	Ruhango	29.3%	60.8%	1.0%	1.0%	7.2%	2.1%	3.1%	30.9%	6.2%	5.2%	5.2%	26.8%	1.0%	0.0%	1.0%	1.0%	3.1%	2.1%	18.6%	100%
	Muhanga	24.0%	32.9%	6.8%	13.7%	8.2%	11.0%	15.1%	28.8%	1.4%	2.7%	2.7%	12.3%	0.0%	2.7%	1.4%	0.0%	1.4%	2.7%	23.3%	100%
	Kamonyi	46.2%	73.0%	2.0%	3.4%	12.2%	2.0%	16.2%	19.6%	6.1%	5.4%	7.4%	4.1%	0.7%	1.4%	1.4%	6.8%	5.4%	2.0%	17.6%	100%
	Sub-total	**51.6%**	**72.0%**	**3.9%**	**4.6%**	**8.5%**	**2.3%**	**14.1%**	**33.5%**	**14.0%**	**4.8%**	**4.0%**	**10.9%**	**1.4%**	**0.7%**	**0.9%**	**2.7%**	**2.0%**	**2.0%**	**13.7%**	**100%**
West	Karongi	51.4%	40.3%	0.7%	23.0%	9.4%	8.6%	18.0%	40.3%	3.6%	2.9%	1.4%	27.3%	4.3%	0.7%	2.2%	1.4%	2.2%	4.3%	25.9%	100%
	Ngororero	37.9%	47.2%	4.2%	10.4%	0.7%	3.5%	17.4%	32.6%	13.9%	4.9%	6.3%	13.9%	0.7%	0.7%	0.7%	10.4%	2.8%	4.9%	19.4%	100%
	Nyabihu	74.5%	44.7%	7.8%	14.6%	7.8%	1.0%	11.5%	48.1%	22.0%	5.4%	5.8%	9.8%	0.3%	1.4%	1.4%	10.5%	4.4%	22.0%	23.7%	100%
	Rubavu	55.8%	25.3%	3.7%	13.7%	18.4%	2.6%	18.9%	24.7%	8.9%	4.2%	4.7%	17.9%	1.6%	0.5%	1.6%	7.4%	0.5%	6.8%	24.2%	100%
	Rutsiro	39.5%	12.1%	0.0%	8.9%	2.4%	0.0%	10.5%	70.2%	25.0%	6.5%	14.5%	15.3%	4.0%	0.0%	4.0%	4.8%	0.0%	5.6%	26.6%	100%
	Rusizi	48.8%	5.7%	1.0%	6.2%	17.0%	1.0%	8.2%	18.0%	3.1%	12.9%	11.9%	23.7%	2.1%	0.5%	1.0%	7.7%	1.5%	28.4%	20.6%	100%
	Nyamasheke	43.4%	15.2%	0.6%	11.5%	15.2%	5.5%	7.3%	35.8%	8.5%	7.9%	10.3%	29.1%	0.6%	3.6%	1.2%	8.5%	0.0%	13.9%	20.6%	100%
	Sub-total	**50.4%**	**28.4%**	**3.2%**	**12.6%**	**10.6%**	**2.9%**	**12.9%**	**37.8%**	**12.6%**	**6.5%**	**7.6%**	**18.7%**	**1.7%**	**1.1%**	**1.6%**	**7.8%**	**1.9%**	**14.1%**	**22.9%**	**100%**
North	Rulindo	35.8%	47.9%	0.0%	9.1%	27.3%	9.1%	12.4%	24.8%	19.0%	3.3%	4.1%	3.3%	0.8%	0.8%	0.8%	3.3%	0.8%	3.3%	19.8%	100%
	Gakenke	45.8%	46.9%	6.3%	8.3%	13.0%	4.7%	19.3%	43.2%	7.3%	2.1%	5.7%	5.2%	2.6%	2.1%	0.5%	1.0%	4.2%	12.0%	25.5%	100%
	Musanze	45.1%	23.7%	3.0%	5.9%	4.1%	3.6%	17.2%	34.9%	4.7%	7.1%	5.9%	16.0%	2.4%	1.2%	0.6%	4.1%	0.0%	3.0%	22.5%	100%
	Burera	52.5%	47.7%	3.6%	5.6%	21.8%	2.5%	4.1%	37.6%	20.8%	5.1%	6.1%	26.9%	2.0%	0.0%	1.5%	6.6%	1.0%	6.1%	10.2%	100%
	Gicumbi	33.8%	54.2%	1.5%	0.8%	9.9%	1.5%	16.0%	43.5%	4.6%	5.3%	3.8%	19.8%	3.1%	0.8%	1.5%	1.5%	0.0%	0.0%	19.8%	100%
	Sub-total	**42.6%**	**43.6%**	**3.2%**	**6.0%**	**14.9%**	**4.1%**	**13.6%**	**37.4%**	**11.4%**	**4.6%**	**5.3%**	**14.8%**	**2.2%**	**1.0%**	**1.0%**	**3.5%**	**1.4%**	**5.4%**	**19.4%**	**100%**
East	Bugesera	70.1%	88.2%	0.4%	3.8%	3.0%	4.2%	4.9%	14.8%	0.4%	4.6%	1.9%	7.2%	1.1%	1.9%	1.9%	3.4%	0.8%	0.4%	11.0%	100%
	Rwamagana	27.8%	8.9%	2.2%	2.2%	3.3%	5.6%	13.3%	15.6%	0.0%	7.8%	5.6%	13.3%	4.4%	2.2%	3.3%	5.6%	0.0%	10.0%	32.2%	100%
	Gatsibo	44.8%	45.5%	1.3%	2.6%	9.7%	4.5%	29.2%	31.8%	5.8%	5.8%	4.5%	13.6%	2.6%	1.3%	2.6%	0.6%	1.9%	1.3%	11.0%	100%
	Kayonza	41.0%	74.6%	0.8%	3.2%	6.3%	0.8%	20.6%	36.5%	9.5%	5.6%	5.6%	11.9%	1.6%	0.0%	0.0%	4.0%	0.8%	1.6%	14.3%	100%
	Kirehe	52.9%	57.1%	4.7%	1.8%	6.5%	2.9%	14.7%	20.0%	5.9%	4.7%	8.2%	14.1%	3.5%	1.2%	1.8%	10.6%	1.8%	5.9%	21.2%	100%
	Ngoma	20.5%	17.6%	4.4%	1.5%	5.9%	10.3%	5.9%	4.4%	4.4%	5.9%	10.3%	22.1%	2.9%	0.0%	4.4%	0.0%	1.5%	5.9%	14.7%	100%
	Nyagatare	40.8%	71.2%	5.4%	4.5%	11.7%	3.6%	27.9%	8.1%	2.7%	3.6%	4.5%	4.5%	0.0%	0.0%	0.0%	7.2%	0.9%	0.9%	8.1%	100%
	Sub-total	**43.2%**	**60.3%**	**2.3%**	**3.0%**	**6.3%**	**4.1%**	**15.9%**	**19.8%**	**3.9%**	**5.2%**	**5.1%**	**11.3%**	**2.1%**	**1.1%**	**1.8%**	**4.7%**	**1.1%**	**3.0%**	**15.1%**	**100%**
Total		**47.1%**	**51.8%**	**3.2%**	**6.6%**	**9.7%**	**3.1%**	**13.9%**	**32.5%**	**10.7%**	**5.6%**	**5.5%**	**13.9%**	**1.8%**	**1.0%**	**1.3%**	**4.7%**	**1.6%**	**6.1%**	**17.7%**	**100%**

A 4.7.5b. Distribution (%) of agricultural households according to statement on food security during Season 2008B

Province	District	Experienced food insecurity problems	Causes of food insecurity during 2008B																	
			Drought/Irregular rain	Floodings	Landslides/erosion	Unusual high level of crop pests& diseases	Unusual high level of livestock diseases	Unusual high level of human deseases	Unusual high food prices	Unusual high cost of agricultural inputs(seeds,fertilizers)	Loss or reduced employment of a household member	Reduced income of a household member	Serious illness/accident of a household member	Death of the household head	Death of a working household member	Death of a household member	Theft of productive resources of the household	Insecurity /Violence	Storm/ Hail	Other problem	Total
Kigali City	Nyarugenge	30.4%	58.8%	0.0%	0.0%	5.9%	0.0%	0.0%	41.2%	5.9%	0.0%	0.0%	17.6%	0.0%	0.0%	0.0%	5.9%	0.0%	0.0%	41.2%	100%
	Gasabo	19.9%	12.2%	4.9%	0.0%	0.0%	12.2%	9.8%	58.5%	2.4%	9.8%	0.0%	9.8%	0.0%	0.0%	0.0%	2.4%	0.0%	9.8%	9.8%	100%
	Kicukiro	13.8%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%	50.0%	0.0%	12.5%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	37.5%	100%
	Sub-total	**20.6%**	**22.7%**	**3.0%**	**0.0%**	**1.5%**	**7.6%**	**12.1%**	**53.0%**	**3.0%**	**7.6%**	**1.5%**	**10.6%**	**0.0%**	**0.0%**	**0.0%**	**3.0%**	**0.0%**	**6.1%**	**21.2%**	**100%**
South	Nyanza	25.9%	44.4%	0.0%	2.2%	10.0%	2.2%	23.3%	62.2%	30.0%	8.9%	4.4%	0.0%	1.1%	0.0%	2.2%	1.1%	1.1%	4.4%	13.3%	100%
	Gisagara	30.8%	18.8%	0.9%	0.0%	2.6%	3.4%	28.2%	28.2%	6.8%	12.0%	5.1%	9.4%	0.9%	1.7%	3.4%	4.3%	0.9%	21.4%	17.9%	100%
	Nyaruguru	38.3%	6.8%	1.7%	0.0%	3.4%	9.4%	27.4%	45.3%	18.8%	1.7%	0.9%	8.5%	0.9%	1.7%	0.9%	5.1%	2.6%	12.8%	21.4%	100%
	Huye	47.0%	17.4%	0.0%	3.1%	12.4%	8.1%	19.3%	66.5%	34.8%	8.1%	15.5%	9.9%	1.9%	0.0%	1.2%	8.1%	1.2%	1.2%	9.9%	100%
	Nyamagabe	22.8%	18.4%	2.3%	26.4%	1.1%	4.6%	8.0%	59.8%	31.0%	2.3%	5.7%	9.2%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	29.9%	100%
	Ruhango	11.1%	36.1%	2.8%	0.0%	0.0%	0.0%	13.9%	5.6%	0.0%	5.6%	5.6%	16.7%	2.8%	0.0%	0.0%	5.6%	2.8%	0.0%	13.9%	100%
	Muhanga	11.3%	18.4%	2.6%	0.0%	13.2%	7.9%	18.4%	28.9%	7.9%	2.6%	0.0%	21.1%	0.0%	2.6%	0.0%	5.3%	2.6%	2.6%	28.9%	100%
	Kamonyi	12.9%	19.4%	0.0%	2.8%	0.0%	2.8%	16.7%	55.6%	11.1%	2.8%	8.3%	16.7%	0.0%	2.8%	2.8%	5.6%	5.6%	0.0%	5.6%	100%
	Sub-total	**25.3%**	**20.7%**	**1.0%**	**4.5%**	**6.2%**	**5.6%**	**20.8%**	**49.0%**	**21.6%**	**6.3%**	**6.7%**	**9.5%**	**1.0%**	**1.0%**	**1.5%**	**4.5%**	**1.6%**	**6.9%**	**17.3%**	**100%**
West	Karongi	35.0%	43.3%	0.8%	3.3%	21.7%	10.8%	20.0%	51.7%	9.2%	3.3%	0.8%	32.5%	5.0%	0.8%	0.0%	2.5%	2.5%	2.5%	14.2%	100%
	Ngororero	23.7%	20.2%	1.1%	3.2%	1.1%	3.2%	14.9%	10.6%	17.0%	4.3%	7.4%	25.5%	3.2%	0.0%	4.3%	8.5%	6.4%	1.1%	24.5%	100%
	Nyabihu	51.5%	30.9%	2.1%	9.0%	1.1%	2.1%	8.0%	38.8%	24.5%	6.4%	12.8%	10.1%	0.5%	1.6%	0.0%	6.4%	0.5%	2.1%	21.8%	100%
	Rubavu	28.9%	4.3%	0.0%	3.2%	11.8%	5.4%	19.4%	12.9%	37.6%	1.1%	5.4%	11.8%	0.0%	2.2%	2.2%	7.5%	2.2%	0.0%	21.5%	100%
	Rutsiro	35.8%	38.4%	0.0%	1.8%	5.4%	0.9%	13.4%	75.9%	9.8%	5.4%	4.5%	4.5%	0.0%	0.0%	0.0%	3.6%	3.6%	11.6%	38.4%	100%
	Rusizi	37.8%	48.3%	2.8%	4.8%	1.4%	0.7%	6.9%	5.5%	0.0%	4.1%	1.4%	15.2%	0.0%	2.1%	3.4%	4.8%	2.8%	16.6%	20.0%	100%
	Nyamasheke	37.5%	50.7%	0.7%	3.5%	3.5%	2.1%	8.3%	34.0%	3.5%	7.6%	2.8%	16.0%	0.0%	0.7%	1.4%	2.8%	0.0%	6.9%	28.5%	100%
	Sub-total	**35.8%**	**35.6%**	**1.2%**	**4.6%**	**5.9%**	**3.3%**	**12.1%**	**33.4%**	**13.8%**	**4.9%**	**5.4%**	**16.0%**	**1.1%**	**1.1%**	**1.5%**	**5.0%**	**2.2%**	**6.1%**	**23.9%**	**100%**
North	Rulindo	20.1%	36.8%	0.0%	1.5%	7.4%	5.9%	8.8%	33.8%	13.2%	2.9%	5.9%	7.4%	1.5%	1.5%	1.5%	0.0%	0.0%	1.5%	41.2%	100%
	Gakenke	36.3%	34.0%	1.3%	6.4%	30.1%	7.7%	26.9%	57.1%	17.3%	12.8%	7.7%	8.3%	0.0%	0.6%	0.6%	2.6%	0.0%	7.7%	17.3%	100%
	Musanze	21.9%	29.6%	8.6%	4.9%	0.0%	1.2%	12.3%	24.7%	8.6%	8.6%	2.5%	11.1%	0.0%	1.2%	1.2%	2.5%	2.5%	2.5%	28.4%	100%
	Burera	28.7%	37.5%	0.0%	5.4%	3.6%	0.0%	3.6%	54.5%	24.1%	6.3%	3.6%	19.6%	0.9%	0.0%	0.0%	9.8%	0.9%	0.0%	12.5%	100%
	Gicumbi	31.1%	62.1%	1.5%	1.5%	2.3%	2.3%	10.6%	43.2%	3.0%	4.5%	2.3%	12.1%	3.0%	0.0%	0.0%	2.3%	0.0%	0.8%	27.3%	100%
	Sub-total	**28.0%**	**41.2%**	**2.0%**	**4.2%**	**10.7%**	**3.6%**	**13.8%**	**45.5%**	**13.5%**	**7.7%**	**4.6%**	**11.8%**	**1.1%**	**0.5%**	**0.5%**	**3.6%**	**0.5%**	**2.9%**	**23.3%**	**100%**
East	Bugesera	36.6%	82.6%	0.0%	0.0%	0.9%	2.8%	7.3%	42.2%	0.9%	2.8%	0.9%	2.8%	0.0%	0.0%	0.9%	3.7%	0.0%	0.0%	12.8%	100%
	Rwamagana	10.2%	68.6%	0.0%	2.9%	2.9%	0.0%	8.6%	54.3%	14.3%	0.0%	2.9%	8.6%	5.7%	0.0%	2.9%	0.0%	0.0%	0.0%	5.7%	100%
	Gatsibo	29.5%	41.6%	0.0%	0.0%	3.5%	3.5%	30.1%	19.5%	1.8%	6.2%	3.5%	13.3%	0.9%	1.8%	0.0%	4.4%	1.8%	0.0%	9.7%	100%
	Kayonza	17.1%	64.4%	0.0%	1.7%	0.0%	3.4%	20.3%	35.6%	1.7%	11.9%	13.6%	15.3%	0.0%	1.7%	0.0%	1.7%	1.7%	3.4%	11.9%	100%
	Kirehe	28.2%	53.8%	2.2%	1.1%	2.2%	1.1%	18.3%	51.6%	1.1%	4.3%	23.7%	23.7%	1.1%	3.2%	1.1%	5.4%	3.2%	0.0%	18.3%	100%
	Ngoma	8.1%	30.8%	3.8%	7.7%	15.4%	19.2%	23.1%	30.8%	3.8%	11.5%	3.8%	7.7%	0.0%	0.0%	0.0%	0.0%	3.8%	7.7%	19.2%	100%
	Nyagatare	33.0%	84.3%	0.0%	4.6%	6.5%	0.9%	13.0%	32.4%	1.9%	5.6%	7.4%	5.6%	1.9%	0.0%	1.9%	4.6%	0.9%	0.0%	4.6%	100%
	Sub-total	**23.1%**	**64.1%**	**0.6%**	**1.8%**	**3.5%**	**2.9%**	**17.3%**	**36.6%**	**2.4%**	**5.5%**	**8.3%**	**11.0%**	**1.1%**	**1.1%**	**0.9%**	**3.7%**	**1.5%**	**0.7%**	**11.2%**	**100%**
Total		**27.9%**	**38.3%**	**1.2%**	**3.8%**	**6.4%**	**4.0%**	**15.6%**	**40.8%**	**13.2%**	**6.0%**	**6.0%**	**12.4%**	**1.1%**	**1.0%**	**1.1%**	**4.3%**	**1.5%**	**4.6%**	**19.6%**	**100%**

A.4.7.6a. Distribution (%) of agricultural households having experienced food insecurity and measures taken during Season 2008A

	Measures taken to find a solution													
Causes of food insecurity	Purchased only less expensive food	Borrowed food or helped by relatives	Purchased food on credit	Consumed more wild food or hunted	Consumed seeds stock held for next season	Reduced the proportion of meals for all household members	Reduced the proportion of meals for adults	Reduced the number of meals per day	Skipped days without eating	Some household members migrated temporary (<6 months)	Some household members migrated permanently (>6 months)	Reduced expenditures on health and education	Spent savings	Borrowed money
Drought/Irregular rain	49.3%	11.8%	11.0%	2.0%	10.3%	23.9%	5.1%	16.0%	0.7%	2.2%	0.6%	1.4%	13.3%	16.6%
Floodings	45.2%	14.2%	10.1%	1.5%	8.9%	23.5%	4.6%	9.8%	1.5%	2.1%	0.3%	1.0%	14.6%	18.0%
Landslides/erosion	41.4%	12.9%	11.3%	0.9%	6.6%	26.8%	7.3%	14.4%	0.9%	2.4%	0.2%	1.6%	20.7%	12.7%
Unusual high level of crop pests& disesases	36.5%	8.6%	8.8%	1.3%	10.3%	20.2%	5.5%	13.2%	1.8%	0.7%	0.0%	1.1%	20.0%	14.3%
Unusual high level of livestock diseases	23.9%	8.5%	1.4%	0.0%	4.2%	9.9%	1.4%	8.5%	1.4%	0.0%	0.0%	0.0%	23.9%	28.2%
Unusual high level of human deseases	25.5%	10.8%	5.8%	2.2%	6.5%	10.8%	3.0%	8.2%	0.2%	1.7%	0.0%	1.9%	21.8%	31.7%
Unusual high food prices	58.0%	7.7%	12.5%	0.9%	8.6%	23.7%	6.3%	18.1%	1.0%	1.7%	0.5%	1.9%	18.3%	18.2%
Unusual high cost of agricultural inputs(seeds,fertilizers)	40.3%	9.0%	7.0%	3.9%	5.6%	20.1%	3.2%	17.2%	0.7%	4.6%	0.0%	1.7%	24.0%	25.5%
Loss or reduced employment of a household member	29.1%	8.7%	12.6%	0.5%	6.3%	27.7%	10.2%	22.8%	1.5%	3.4%	1.0%	2.9%	19.4%	24.8%
Reduced income of a household member	36.6%	5.6%	7.5%	2.3%	11.3%	20.7%	8.0%	13.6%	1.9%	2.8%	1.9%	0.9%	14.1%	21.6%
Serious illness/accident of a househod member	23.7%	9.6%	6.5%	0.6%	4.9%	14.1%	4.1%	12.7%	0.6%	1.8%	2.7%	1.6%	15.5%	31.6%
Death of the household head	30.1%	8.4%	7.2%	0.0%	8.4%	9.6%	7.2%	10.8%	0.0%	1.2%	1.2%	4.8%	9.6%	21.7%
Death of a working household member	35.5%	16.1%	3.2%	0.0%	3.2%	19.4%	3.2%	16.1%	3.2%	6.5%	0.0%	0.0%	16.1%	16.1%
Death of a household member	22.9%	12.5%	2.1%	6.3%	4.2%	14.6%	4.2%	12.5%	2.1%	0.0%	0.0%	4.2%	16.7%	20.8%
Theft of productive resources of the household	35.0%	12.1%	5.7%	0.0%	5.7%	33.1%	2.5%	19.7%	0.0%	0.6%	0.0%	0.6%	15.9%	26.8%
Insecurity /Violence	26.3%	7.0%	8.8%	0.0%	10.5%	26.3%	12.3%	12.3%	0.0%	3.5%	3.5%	0.0%	10.5%	10.5%
Storm/Hail	41.9%	6.0%	7.0%	1.9%	7.0%	23.3%	1.9%	16.7%	0.9%	0.9%	0.0%	0.0%	10.7%	10.7%
Other problem	41.2%	9.6%	10.4%	1.1%	6.3%	17.5%	5.5%	13.0%	0.5%	1.8%	0.3%	0.6%	7.0%	14.3%
Total	43.6%	10.4%	9.9%	1.6%	8.5%	21.8%	5.2%	14.9%	0.9%	2.0%	0.6%	1.4%	15.6%	18.9%

A.4.7.6a. Distribution of agricultural households having experienced food insecurity and measures taken during Season 2008A

	Measures taken to find a solution to that crisis												
Causes of food insecurity	Sold household furniture	Sold agriculture tools	Sold building materials	Sold household articles(ustensils,blanket,) or jewerly	Sold household poultry	Sold small animals	Sold big animals	Rented out land	Sold land	Worked for food only	Extended working hours	Children taken out of school	Moved household
Drought/Irregular rain	1.5	0.5	0.3	0.3	1.7	10.9	2.3	4.8	1.1	9.4	11.1	0.5	0.3
Floodings	1.0	0.3	0.0	0.0	2.1	9.1	1.5	4.5	1.5	8.7	14.6	1.0	0.3
Landslides/erosion	1.4	0.5	0.0	0.7	1.2	6.6	2.1	3.3	0.9	4.9	16.7	0.7	0.0
Unusual high level of crop pests& disesases	0.9	1.1	0.4	0.0	1.5	10.1	2.0	5.7	1.1	9.7	12.5	0.4	0.0
Unusual high level of livestock diseases	1.4	7.0	0.0	1.4	0.0	21.1	2.8	5.6	1.4	2.8	9.9	1.4	0.0
Unusual high level of human deseases	2.2	2.4	0.6	1.1	2.2	12.5	3.5	8.2	2.2	5.8	8.9	1.3	0.2
Unusual high food prices	1.5	0.8	0.1	0.2	0.9	6.7	1.3	6.0	1.2	9.4	8.7	0.5	0.1
Unusual high cost of agricultural inputs(seeds,fertilizers)	2.2	1.2	0.5	0.7	0.7	9.5	1.5	9.2	2.2	8.0	13.3	1.0	0.2
Loss or reduced employment of a household member	2.9	2.4	0.5	1.0	1.9	8.3	1.0	7.3	1.5	11.2	5.3	0.5	0.5
Reduced income of a household member	3.3	3.8	1.4	0.0	0.0	8.0	1.9	9.4	5.2	9.4	10.8	1.9	0.9
Serious illness/accident of a househod member	3.1	1.4	0.6	0.6	1.8	17.6	4.3	7.8	4.9	7.5	4.9	1.0	0.0
Death of the household head	3.6	2.4	0.0	0.0	1.2	8.4	3.6	10.8	7.2	12.0	6.0	2.4	0.0
Death of a working household member	0.0	0.0	0.0	6.5	9.7	16.1	3.2	6.5	6.5	9.7	16.1	6.5	0.0
Death of a household member	4.2	4.2	2.1	0.0	2.1	18.8	2.1	10.4	2.1	2.1	12.5	0.0	0.0
Theft of productive resources of the household	1.9	1.3	1.3	0.0	0.0	8.9	4.5	5.1	1.3	5.7	9.6	0.6	0.0
Insecurity /Violence	8.8	0.0	0.0	0.0	0.0	5.3	5.3	3.5	3.5	3.5	10.5	1.8	7.0
Storm/Hail	0.9	0.0	1.4	0.0	1.9	9.8	0.9	3.3	0.5	7.4	6.5	0.5	0.0
Other problem	1.9	0.3	0.6	0.8	1.1	9.9	2.4	9.6	3.6	15.2	14.4	1.9	1.0
Total	1.8	0.9	0.4	0.4	1.5	10.2	2.2	6.0	1.8	9.0	10.9	0.8	0.3

A.4.7.6b. Distribution (%) of agricultural households having experienced food insecurity and measures taken during Season 2008B

	Measures taken to find a solution to that crisis													
Causes of food insecurity	Purchased only less expensive food	Borrowed food or helped by relatives	Purchased food on credit	Consumed more wild food or hunted	Consumed seeds stock held for next season	Reduced the proportion of meals for all household members	Reduced the proportion of meals for adults	Reduced the number of meals per day	Skipped days without eating	Some household members migrated temporary (<6 months)	Some household members migrated permanently (>6 months)	Reduced expenditures on health and education	Spent savings	Borrowed money
Drought/Irregular rain	50.2	10.2	9.2	1.7	11.0	22.3	5.6	12.5	0.5	1.2	0.5	0.9	10.6	12.6
Floodings	40.7	7.3	9.3	0.8	7.7	17.3	4.8	11.7	0.8	1.2	0.0	0.4	14.1	17.7
Landslides/erosion	36.8	9.0	8.3	2.1	6.9	29.2	4.9	24.3	2.8	0.7	0.0	0.7	9.0	10.4
Unusual high level of crop pests& disesases	39.3	6.0	10.0	2.0	13.3	20.7	6.0	11.3	6.0	2.7	0.0	4.0	16.0	18.0
Unusual high level of livestock diseases	35.4	3.1	3.1	1.5	1.5	13.8	1.5	4.6	1.5	1.5	0.0	4.6	27.7	20.0
Unusual high level of human deseases	34.6	9.3	11.3	0.7	7.6	15.9	4.0	13.3	3.7	1.3	0.0	1.7	13.6	28.6
Unusual high food prices	63.2	8.5	10.7	1.8	6.1	27.7	4.4	13.6	1.5	2.0	1.0	4.3	12.9	13.9
Unusual high cost of agricultural inputs(seeds,fertilizers)	34.7	6.6	7.0	2.2	8.5	27.3	5.2	15.9	1.5	3.7	2.6	3.0	20.7	17.0
Loss or reduced employment of a household member	36.6	8.9	17.0	2.7	8.9	18.8	4.5	20.5	3.6	6.3	3.6	7.1	11.6	23.2
Reduced income of a household member	32.1	6.7	14.2	0.7	17.2	18.7	2.2	17.2	1.5	1.5	1.5	3.7	9.7	17.9
Serious illness/accident of a househod member	24.2	9.8	4.6	0.7	4.2	19.6	2.5	13.3	2.5	2.1	0.7	1.4	18.6	36.8
Death of the household head	37.5	8.3	0.0	0.0	4.2	12.5	4.2	8.3	8.3	0.0	0.0	4.2	12.5	20.8
Death of a working household member	38.5	15.4	7.7	7.7	7.7	15.4	0.0	23.1	0.0	0.0	0.0	0.0	0.0	15.4
Death of a household member	30.4	4.3	8.7	0.0	4.3	8.7	8.7	21.7	0.0	13.0	4.3	4.3	13.0	34.8
Theft of productive resources of the household	29.8	9.5	14.3	1.2	9.5	25.0	3.6	15.5	2.4	2.4	0.0	0.0	11.9	16.7
Insecurity /Violence	16.7	16.7	6.7	0.0	3.3	13.3	6.7	10.0	3.3	10.0	13.3	6.7	6.7	16.7
Storm/Hail	44.1	5.4	8.6	0.0	8.6	32.3	9.7	30.1	3.2	1.1	1.1	3.2	17.2	5.4
Other problem	33.4	12.3	7.0	1.0	12.0	23.5	7.8	17.8	1.8	1.3	1.3	2.1	13.6	13.6
Total	**44.0**	**9.1**	**9.3**	**1.5**	**8.9**	**22.7**	**5.0**	**14.4**	**1.7**	**1.9**	**0.9**	**2.3**	**13.3**	**16.9**

A.4.7.6b. Distribution (%) of agricultural households having experienced food insecurity and measures taken during Season 2008B

	Measures taken to find a solution to that crisis												
Causes of food insecurity	Sold household furniture	Sold agriculture tools	Sold building materials	Sold household articles(ustensils,blanket,) or jewerly	Sold household poultry	Sold small animals	Sold big animals	Rented out land	Sold land	Worked for food only	Extended working hours	Children taken out of school	Moved household
Drought/Irregular rain	1.0	2.3	0.3	1.2	0.6	5.9	1.8	2.9	1.4	7.5	9.0	0.1	0.0
Floodings	0.8	7.3	0.4	0.0	0.8	6.5	1.6	5.2	0.8	9.3	10.1	0.8	0.0
Landslides/erosion	0.7	4.9	0.0	0.0	1.4	15.3	0.0	9.0	0.7	2.1	19.4	0.0	0.7
Unusual high level of crop pests& disesases	0.0	2.0	0.0	0.0	1.3	6.7	4.0	5.3	0.7	6.0	13.3	0.0	0.0
Unusual high level of livestock diseases	0.0	0.0	0.0	1.5	0.0	15.4	10.8	0.0	3.1	4.6	3.1	0.0	0.0
Unusual high level of human deseases	3.0	1.7	0.3	0.3	0.7	9.6	1.0	6.0	0.7	5.3	7.3	1.7	0.0
Unusual high food prices	2.6	1.5	0.0	2.0	0.3	8.5	1.3	3.0	0.5	6.8	12.5	0.4	0.0
Unusual high cost of agricultural inputs(seeds,fertilizers)	2.6	0.4	0.0	0.0	4.1	8.5	0.7	3.7	0.7	4.1	11.8	0.0	0.0
Loss or reduced employment of a household member	0.0	1.8	0.0	0.9	1.8	9.8	1.8	8.0	2.7	9.8	8.0	2.7	0.0
Reduced income of a household member	4.5	7.5	0.0	2.2	3.7	11.9	1.5	7.5	3.0	9.0	17.9	0.7	0.0
Serious illness/accident of a househod member	3.5	4.6	0.0	0.0	0.4	9.1	2.1	6.0	4.2	6.3	11.2	0.7	0.4
Death of the household head	4.2	0.0	0.0	0.0	4.2	12.5	4.2	4.2	4.2	0.0	12.5	4.2	0.0
Death of a working household member	0.0	0.0	0.0	0.0	0.0	7.7	7.7	7.7	0.0	7.7	15.4	0.0	0.0
Death of a household member	0.0	0.0	0.0	0.0	4.3	17.4	4.3	4.3	4.3	13.0	13.0	8.7	0.0
Theft of productive resources of the household	7.1	0.0	0.0	2.4	1.2	11.9	3.6	3.6	0.0	11.9	10.7	1.2	1.2
Insecurity /Violence	3.3	3.3	0.0	0.0	0.0	13.3	6.7	6.7	6.7	10.0	3.3	13.3	3.3
Storm/Hail	0.0	0.0	0.0	0.0	0.0	4.3	1.1	5.4	0.0	10.8	11.8	0.0	0.0
Other problem	1.0	0.5	0.0	0.5	0.3	7.8	1.6	4.2	2.1	15.9	19.6	1.3	0.8
Total	**1.8**	**2.3**	**0.1**	**0.9**	**0.9**	**8.2**	**1.8**	**4.2**	**1.4**	**7.8**	**11.6**	**0.7**	**0.2**

A.4.7.7a. Distribution (%) of agricultural households having experienced food insecurity and measures taken during Season 2008A

Province	District	Purchased only less expensive food	Borrowed food or helped by relatives	Purchased food on credit	Consumed more wild food or hunted	Consumed seeds stock held for next season	Reduced the proportion of meals for all household members	Reduced the proportion of meals for adults	Reduced the number of meals per day	Skipped days without eating	Some household members migrated temporary (<6 months)	Some household members migrated permanentlly (>6 months)	Reduced expenditures on health and education	Spent savings	Borrowed money
Kigali City	Nyarugenge	58.7%	9.5%	7.9%	0.0%	15.9%	14.3%	0.0%	22.2%	0.0%	0.0%	0.0%	0.0%	20.6%	3.2%
	Gasabo	47.7%	7.9%	10.6%	0.0%	3.3%	23.8%	9.3%	25.2%	1.3%	0.0%	0.0%	0.7%	13.2%	31.1%
	Kicukiro	65.0%	10.0%	12.5%	0.0%	5.0%	0.0%	12.5%	27.5%	5.0%	0.0%	0.0%	0.0%	27.5%	7.5%
	Sub-total	**53.1%**	**8.7%**	**10.2%**	**0.0%**	**6.7%**	**17.7%**	**7.5%**	**24.8%**	**1.6%**	**0.0%**	**0.0%**	**0.4%**	**17.3%**	**20.5%**
South	Nyanza	40.6%	9.9%	17.3%	10.7%	12.8%	30.4%	6.0%	19.1%	3.0%	7.5%	1.8%	3.6%	11.3%	16.1%
	Gisagara	52.5%	8.7%	6.7%	0.8%	13.4%	26.8%	3.9%	22.1%	0.2%	1.2%	0.0%	1.6%	3.9%	11.0%
	Nyaruguru	37.5%	9.9%	17.1%	1.3%	5.9%	36.8%	8.6%	13.5%	2.0%	3.6%	1.3%	4.9%	9.2%	21.1%
	Huye	44.0%	15.6%	6.1%	3.8%	11.5%	20.8%	4.3%	8.3%	0.0%	0.5%	0.3%	0.7%	11.5%	17.1%
	Nyamagabe	51.6%	14.4%	7.1%	1.0%	3.2%	28.0%	3.4%	14.4%	0.0%	5.1%	0.5%	3.6%	10.0%	13.9%
	Ruhango	35.8%	11.1%	16.8%	1.1%	11.6%	11.6%	5.3%	3.7%	0.0%	0.0%	0.0%	0.0%	3.7%	17.4%
	Muhanga	68.4%	4.3%	7.5%	0.0%	3.2%	16.0%	7.0%	4.8%	0.0%	0.5%	8.6%	0.5%	16.6%	11.2%
	Kamonyi	53.6%	11.4%	24.6%	0.6%	11.7%	21.1%	5.4%	16.4%	1.3%	0.6%	0.0%	1.3%	22.1%	19.6%
	Sub-total	**47.6%**	**11.4%**	**11.7%**	**2.6%**	**9.7%**	**24.8%**	**5.1%**	**13.8%**	**0.7%**	**2.4%**	**1.1%**	**2.1%**	**10.7%**	**15.8%**
West	Karongi	27.1%	6.9%	6.3%	1.0%	4.5%	21.2%	4.2%	21.5%	0.3%	0.7%	0.0%	0.7%	22.9%	8.0%
	Ngororero	19.5%	16.8%	12.3%	1.7%	5.1%	28.1%	2.7%	4.1%	0.3%	4.5%	0.3%	1.4%	37.3%	41.4%
	Nyabihu	42.0%	4.6%	3.8%	0.8%	9.6%	40.9%	9.8%	36.7%	1.0%	0.4%	0.0%	0.4%	16.3%	13.3%
	Rubavu	52.7%	9.5%	5.1%	0.3%	6.5%	13.1%	5.4%	20.8%	3.0%	0.0%	0.0%	1.2%	10.7%	16.7%
	Rutsiro	51.4%	14.5%	11.6%	0.7%	13.0%	27.9%	12.0%	15.2%	0.4%	1.1%	0.0%	1.8%	10.5%	9.8%
	Rusizi	38.9%	5.3%	14.1%	1.9%	6.9%	18.5%	5.0%	11.9%	0.0%	0.3%	0.0%	0.9%	13.2%	24.8%
	Nyamasheke	27.6%	6.9%	10.6%	1.2%	3.7%	23.2%	6.1%	17.9%	0.8%	2.0%	0.0%	0.4%	9.3%	28.0%
	Sub-total	**38.3%**	**8.4%**	**8.1%**	**1.1%**	**7.5%**	**27.2%**	**7.0%**	**21.4%**	**0.9%**	**1.1%**	**0.0%**	**0.9%**	**17.1%**	**19.0%**
North	Rulindo	44.6%	17.8%	7.4%	3.3%	11.6%	13.6%	2.1%	2.1%	0.0%	0.0%	0.0%	1.7%	21.1%	12.8%
	Gakenke	54.9%	9.3%	7.6%	1.3%	12.1%	21.4%	6.5%	10.6%	4.5%	5.0%	1.0%	2.0%	32.7%	16.6%
	Musanze	28.8%	9.1%	9.8%	0.0%	1.1%	16.8%	5.6%	21.1%	0.4%	0.7%	0.4%	1.8%	20.7%	23.2%
	Burera	41.4%	3.0%	4.0%	0.3%	0.3%	14.9%	1.8%	13.1%	0.0%	1.8%	0.3%	0.3%	21.2%	21.2%
	Gicumbi	43.9%	22.5%	17.1%	2.5%	13.9%	14.3%	7.9%	12.5%	0.7%	0.0%	0.4%	1.1%	15.7%	15.0%
	Sub-total	**43.4%**	**11.3%**	**8.8%**	**1.3%**	**7.4%**	**16.6%**	**4.8%**	**12.1%**	**1.3%**	**1.8%**	**0.4%**	**1.3%**	**23.0%**	**18.1%**
East	Bugesera	51.4%	21.9%	21.6%	0.0%	5.1%	20.6%	3.3%	10.0%	0.5%	8.0%	1.5%	1.3%	3.9%	41.6%
	Rwamagana	45.8%	12.7%	2.8%	1.4%	3.5%	11.3%	4.2%	2.1%	0.0%	0.0%	2.1%	2.1%	8.5%	12.0%
	Gatsibo	30.1%	6.4%	2.7%	0.3%	9.5%	17.6%	1.7%	13.9%	1.0%	1.0%	1.0%	3.0%	18.2%	27.0%
	Kayonza	42.6%	7.6%	12.4%	0.4%	8.4%	16.3%	8.0%	13.9%	1.2%	0.4%	0.0%	1.6%	40.6%	19.5%
	Kirehe	50.3%	7.9%	11.7%	2.5%	16.2%	9.6%	1.5%	5.1%	0.0%	4.6%	0.3%	0.0%	8.6%	14.7%
	Ngoma	45.2%	9.7%	1.1%	0.0%	3.2%	9.7%	0.0%	3.2%	0.0%	3.2%	1.1%	1.1%	9.7%	11.8%
	Nyagatare	27.9%	6.4%	1.7%	4.1%	9.9%	9.9%	1.2%	7.0%	0.6%	0.0%	0.0%	1.2%	14.0%	29.1%
	Sub-total	**43.1%**	**11.1%**	**10.2%**	**1.2%**	**9.1%**	**14.6%**	**3.0%**	**8.8%**	**0.5%**	**3.2%**	**0.8%**	**1.4%**	**14.4%**	**24.6%**
Total		**43.6%**	**10.4%**	**9.9%**	**1.6%**	**8.5%**	**21.8%**	**5.2%**	**14.9%**	**0.9%**	**2.0%**	**0.6%**	**1.4%**	**15.6%**	**18.9%**

A.4.7.7a. Distribution (%) of agricultural households having experienced food insecurity and measures taken during Season 2008A

Province	District	Sold household furniture	Sold agriculture tools	Sold building materials	Sold household articles(ustensils,blanket,) or jewerly	Sold household poultry	Sold small animals	Sold big cattle	Rented out land	Sold land	Worked for food only	Extended working hours	Children taken out of school	Moved household
Kigali City	Nyarugenge	0.0%	0.0%	0.0%	3.2%	0.0%	6.3%	3.2%	11.1%	4.8%	0.0%	6.3%	1.6%	0.0%
	Gasabo	1.3%	3.3%	0.0%	0.0%	2.6%	4.0%	0.0%	6.0%	1.3%	14.6%	9.3%	2.0%	1.3%
	Kicukiro	0.0%	0.0%	0.0%	0.0%	5.0%	7.5%	0.0%	0.0%	5.0%	20.0%	5.0%	2.5%	0.0%
	Sub-total	**0.8%**	**2.0%**	**0.0%**	**0.8%**	**2.4%**	**5.1%**	**0.8%**	**6.3%**	**2.8%**	**11.8%**	**7.9%**	**2.0%**	**0.8%**
South	Nyanza	2.4%	0.6%	0.6%	0.9%	1.5%	8.4%	0.9%	2.7%	0.9%	5.7%	1.2%	0.0%	0.0%
	Gisagara	1.2%	0.8%	0.0%	0.2%	0.0%	5.5%	1.4%	4.5%	0.4%	21.7%	8.5%	0.0%	0.0%
	Nyaruguru	2.6%	0.7%	0.0%	0.0%	1.3%	5.9%	3.3%	4.6%	4.3%	7.6%	16.1%	2.0%	0.3%
	Huye	1.7%	0.2%	0.2%	0.8%	3.3%	12.0%	1.5%	11.6%	1.0%	6.8%	8.6%	0.2%	0.0%
	Nyamagabe	4.1%	0.2%	0.7%	0.0%	0.5%	18.0%	3.2%	2.4%	1.0%	5.1%	27.0%	2.4%	0.0%
	Ruhango	2.1%	1.1%	0.0%	0.0%	1.6%	5.8%	4.2%	5.8%	1.6%	12.6%	17.9%	0.0%	3.2%
	Muhanga	0.5%	0.0%	0.0%	0.5%	1.6%	7.0%	3.2%	1.6%	2.1%	13.9%	29.4%	0.0%	0.0%
	Kamonyi	1.3%	0.0%	0.3%	0.9%	0.3%	3.5%	3.5%	5.0%	0.6%	3.8%	19.2%	0.0%	0.0%
	Sub-total	**2.0%**	**0.4%**	**0.2%**	**0.5%**	**1.3%**	**8.9%**	**2.4%**	**5.5%**	**1.3%**	**9.6%**	**14.4%**	**0.6%**	**0.2%**
West	Karongi	0.3%	2.1%	0.3%	0.0%	0.3%	10.1%	3.5%	14.9%	2.8%	7.3%	30.2%	0.7%	0.0%
	Ngororero	1.4%	0.7%	0.7%	0.0%	0.0%	7.5%	1.7%	3.8%	3.4%	5.8%	13.7%	1.4%	0.0%
	Nyabihu	0.1%	0.0%	0.3%	0.3%	0.4%	7.3%	1.3%	4.2%	1.0%	6.9%	4.8%	0.4%	0.1%
	Rubavu	3.3%	0.9%	0.0%	1.2%	2.1%	12.2%	1.2%	13.7%	4.5%	9.2%	5.1%	0.3%	0.0%
	Rutsiro	0.7%	0.0%	0.0%	0.4%	0.7%	10.9%	1.4%	7.2%	4.3%	8.0%	15.9%	1.4%	0.4%
	Rusizi	4.1%	0.3%	1.3%	0.3%	1.6%	11.3%	1.3%	6.3%	1.6%	8.5%	5.3%	0.6%	0.3%
	Nyamasheke	0.4%	0.8%	0.0%	0.0%	1.6%	13.4%	5.3%	4.9%	3.7%	8.9%	3.3%	0.8%	0.4%
	Sub-total	**1.3%**	**0.6%**	**0.4%**	**0.3%**	**0.9%**	**9.8%**	**2.0%**	**7.4%**	**2.7%**	**7.7%**	**10.0%**	**0.7%**	**0.2%**
North	Rulindo	2.1%	0.0%	0.0%	0.0%	0.4%	10.3%	2.9%	1.7%	1.2%	9.1%	18.6%	0.0%	1.2%
	Gakenke	1.3%	0.5%	1.3%	0.0%	1.5%	8.1%	2.8%	2.3%	1.0%	5.0%	11.1%	0.3%	0.0%
	Musanze	2.8%	1.4%	0.4%	0.0%	0.4%	6.0%	2.1%	6.3%	3.5%	6.7%	9.8%	1.8%	0.0%
	Burera	2.3%	1.5%	0.3%	0.0%	0.8%	7.1%	2.3%	8.8%	1.5%	7.6%	1.0%	0.3%	0.0%
	Gicumbi	0.7%	0.0%	0.4%	0.4%	2.5%	12.1%	0.7%	3.9%	1.8%	10.0%	6.1%	2.1%	0.0%
	Sub-total	**1.8%**	**0.8%**	**0.5%**	**0.1%**	**1.1%**	**8.5%**	**2.2%**	**4.8%**	**1.8%**	**7.4%**	**8.6%**	**0.8%**	**0.2%**
East	Bugesera	0.3%	0.0%	0.0%	0.3%	6.9%	29.8%	1.5%	4.1%	1.3%	2.8%	1.0%	0.0%	0.3%
	Rwamagana	3.5%	0.0%	0.0%	0.0%	0.7%	24.6%	6.3%	7.0%	1.4%	15.5%	10.6%	2.8%	2.8%
	Gatsibo	4.1%	1.4%	0.0%	0.0%	2.0%	8.8%	1.4%	2.0%	2.4%	9.5%	11.5%	0.7%	0.0%
	Kayonza	0.4%	0.0%	0.4%	0.0%	0.4%	4.8%	2.8%	5.6%	1.2%	14.7%	6.8%	1.2%	1.2%
	Kirehe	2.3%	4.6%	2.3%	1.8%	1.8%	10.4%	2.3%	3.6%	1.0%	13.5%	12.4%	1.0%	0.5%
	Ngoma	2.2%	12.9%	0.0%	1.1%	1.1%	12.9%	6.5%	34.4%	4.3%	6.5%	10.8%	5.4%	0.0%
	Nyagatare	2.3%	2.9%	0.6%	1.2%	1.7%	11.0%	2.9%	7.6%	0.0%	20.9%	15.7%	1.2%	0.0%
	Sub-total	**2.0%**	**2.2%**	**0.6%**	**0.6%**	**2.6%**	**15.0%**	**2.6%**	**6.0%**	**1.4%**	**11.1%**	**9.0%**	**1.2%**	**0.6%**
Total		**1.8%**	**0.9%**	**0.4%**	**0.4%**	**1.5%**	**10.2%**	**2.2%**	**6.0%**	**1.8%**	**9.0%**	**10.9%**	**0.8%**	**0.3%**

A.4.7.7b. Distribution (%) of agricultural households having experienced food insecurity and measures taken during Season 2008B

Province	District	Purchased only less expensive food	Borrowed food or helped by relatives	Purchased food on credit	Consumed more wild food or hunted	Consumed seeds stock held for next season	Reduced the proportion of meals for all household members	Reduced the proportion of meals for adults	Reduced the number of meals per day	Skipped days without eating	Some household members migrated temporary (<6 months)	Some household members migrated permanently (>6 months)	Reduced expenditures on health and education	Spent savings	Borrowed money
Kigali City	Nyarugenge	61.5%	0.0%	3.8%	0.0%	0.0%	23.1%	0.0%	7.7%	0.0%	0.0%	0.0%	0.0%	15.4%	0.0%
	Gasabo	52.9%	23.5%	15.7%	2.0%	2.0%	15.7%	13.7%	23.5%	0.0%	0.0%	2.0%	0.0%	5.9%	21.6%
	Kicukiro	69.2%	15.4%	23.1%	0.0%	7.7%	23.1%	23.1%	46.2%	7.7%	0.0%	0.0%	0.0%	23.1%	7.7%
	Sub-total	**57.8%**	**15.6%**	**13.3%**	**1.1%**	**2.2%**	**18.9%**	**11.1%**	**22.2%**	**1.1%**	**0.0%**	**1.1%**	**0.0%**	**11.1%**	**13.3%**
South	Nyanza	16.1%	2.8%	11.1%	8.9%	12.2%	34.4%	18.3%	16.7%	10.0%	15.0%	12.2%	15.0%	17.2%	16.1%
	Gisagara	43.6%	18.6%	9.9%	0.6%	5.2%	27.9%	5.2%	39.0%	0.0%	2.3%	0.6%	0.0%	2.9%	9.9%
	Nyaruguru	55.9%	8.9%	12.8%	0.6%	10.1%	27.4%	5.6%	9.5%	0.6%	1.1%	0.0%	1.1%	10.6%	21.2%
	Huye	53.4%	7.6%	12.8%	0.3%	12.0%	21.0%	1.7%	9.9%	1.2%	0.0%	0.0%	2.3%	13.7%	15.7%
	Nyamagabe	48.8%	7.6%	1.8%	0.0%	4.1%	58.8%	7.1%	23.5%	0.0%	2.4%	0.0%	0.0%	0.0%	7.6%
	Ruhango	51.4%	8.1%	5.4%	0.0%	10.8%	5.4%	0.0%	0.0%	2.7%	0.0%	2.7%	0.0%	8.1%	16.2%
	Muhanga	53.3%	13.3%	10.0%	0.0%	1.7%	15.0%	5.0%	5.0%	3.3%	0.0%	0.0%	1.7%	0.0%	16.7%
	Kamonyi	30.0%	4.0%	10.0%	0.0%	14.0%	36.0%	12.0%	22.0%	8.0%	2.0%	0.0%	0.0%	2.0%	14.0%
	Sub-total	**45.0%**	**8.8%**	**10.1%**	**1.6%**	**9.2%**	**30.2%**	**6.6%**	**17.0%**	**2.5%**	**3.2%**	**2.0%**	**3.2%**	**8.9%**	**14.6%**
West	Karongi	45.9%	13.5%	13.1%	0.4%	7.4%	17.5%	2.6%	4.8%	3.9%	1.3%	0.4%	1.7%	3.5%	12.2%
	Ngororero	43.7%	11.1%	5.2%	4.4%	5.2%	31.9%	0.0%	11.1%	0.0%	1.5%	0.0%	0.0%	8.1%	16.3%
	Nyabihu	45.5%	3.3%	6.9%	0.3%	18.8%	34.0%	3.6%	33.3%	1.3%	0.7%	0.0%	0.0%	11.2%	12.9%
	Rubavu	42.2%	8.9%	0.7%	0.0%	4.4%	5.9%	3.0%	7.4%	0.0%	0.0%	0.7%	0.7%	23.7%	17.8%
	Rutsiro	49.2%	12.9%	19.2%	0.4%	12.1%	38.8%	7.1%	10.0%	1.3%	1.3%	1.3%	0.8%	9.2%	9.6%
	Rusizi	31.0%	6.3%	8.0%	0.0%	14.4%	26.4%	2.3%	10.9%	0.0%	0.6%	0.6%	0.6%	9.8%	17.8%
	Nyamasheke	36.9%	4.9%	5.3%	0.4%	3.1%	15.1%	16.9%	34.7%	0.0%	1.3%	0.4%	0.4%	5.3%	14.7%
	Sub-total	**42.6%**	**8.4%**	**9.1%**	**0.7%**	**10.3%**	**25.5%**	**5.6%**	**17.9%**	**1.1%**	**1.0%**	**0.5%**	**0.6%**	**9.4%**	**13.9%**
North	Rulindo	40.7%	8.8%	0.9%	1.8%	36.3%	7.1%	20.4%	6.2%	0.0%	0.0%	0.0%	0.0%	13.3%	10.6%
	Gakenke	53.1%	10.3%	12.2%	3.8%	7.2%	16.3%	0.9%	9.7%	7.5%	2.5%	0.6%	6.3%	30.0%	15.9%
	Musanze	12.2%	8.9%	11.4%	0.0%	1.6%	5.7%	0.0%	4.9%	0.0%	1.6%	1.6%	2.4%	20.3%	43.1%
	Burera	39.2%	5.8%	4.8%	1.6%	2.1%	20.6%	4.8%	19.0%	1.1%	5.8%	1.1%	0.0%	20.6%	21.7%
	Gicumbi	48.0%	8.1%	5.6%	2.0%	10.1%	23.2%	2.5%	7.6%	1.0%	0.0%	0.0%	1.0%	19.7%	19.2%
	Sub-total	**42.4%**	**8.6%**	**7.8%**	**2.2%**	**9.5%**	**16.1%**	**4.2%**	**10.1%**	**3.0%**	**2.2%**	**0.6%**	**2.7%**	**22.7%**	**20.7%**
East	Bugesera	53.3%	19.2%	19.8%	6.0%	0.0%	22.2%	0.0%	19.2%	0.0%	1.8%	0.0%	3.6%	3.0%	31.7%
	Rwamagana	10.0%	30.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	40.0%	0.0%
	Gatsibo	31.2%	5.8%	0.7%	0.0%	2.2%	10.9%	1.4%	5.8%	0.0%	0.7%	0.0%	2.2%	24.6%	30.4%
	Kayonza	26.8%	15.9%	23.2%	1.2%	23.2%	12.2%	8.5%	19.5%	0.0%	1.2%	1.2%	1.2%	17.1%	11.0%
	Kirehe	58.4%	4.7%	1.6%	0.5%	0.5%	12.1%	0.5%	1.6%	1.1%	2.6%	0.0%	0.0%	18.9%	17.4%
	Ngoma	54.1%	13.5%	0.0%	0.0%	8.1%	16.2%	5.4%	2.7%	0.0%	0.0%	0.0%	0.0%	2.7%	29.7%
	Nyagatare	43.0%	7.8%	10.9%	1.6%	15.6%	12.5%	0.8%	2.3%	0.0%	0.0%	0.8%	14.8%	21.9%	14.1%
	Sub-total	**45.3%**	**10.6%**	**9.6%**	**1.9%**	**6.1%**	**14.2%**	**1.7%**	**8.4%**	**0.3%**	**1.3%**	**0.3%**	**3.9%**	**16.2%**	**22.1%**
Total		**44.0%**	**9.1%**	**9.3%**	**1.5%**	**8.9%**	**22.7%**	**5.0%**	**14.4%**	**1.7%**	**1.9%**	**0.9%**	**2.3%**	**13.3%**	**16.9%**

A.4.7.7b. Distribution (%) agricultural households having experienced food insecurity and measures taken during Season 2008B

Province	District	Sold household furniture	Sold agriculture tools	Sold building materials	Sold household articles(ustensils,blankets,) or jewerly	Sold household poultry	Sold small animals	Sold big cattle	Rented out land	Sold land	Worked for food only	Extended working hours	Children taken out of school	Moved household
Kigali City	Nyarugenge	0.0%	0.0%	0.0%	0.0%	0.0%	11.5%	3.8%	11.5%	0.0%	0.0%	11.5%	3.8%	0.0%
	Gasabo	0.0%	0.0%	0.0%	2.0%	0.0%	2.0%	2.0%	3.9%	2.0%	9.8%	9.8%	2.0%	0.0%
	Kicukiro	0.0%	0.0%	0.0%	0.0%	0.0%	15.4%	0.0%	0.0%	0.0%	15.4%	0.0%	7.7%	0.0%
	Sub-total	**0.0%**	**0.0%**	**0.0%**	**1.1%**	**0.0%**	**6.7%**	**2.2%**	**5.6%**	**1.1%**	**7.8%**	**8.9%**	**3.3%**	**0.0%**
South	Nyanza	4.4%	18.9%	0.0%	0.0%	2.2%	6.7%	2.8%	7.2%	0.0%	0.0%	2.2%	0.0%	0.0%
	Gisagara	1.2%	2.9%	0.0%	0.0%	0.0%	4.7%	2.3%	3.5%	0.0%	23.3%	13.4%	1.7%	0.0%
	Nyaruguru	0.6%	0.0%	0.0%	0.0%	0.0%	6.1%	0.6%	3.4%	0.6%	10.1%	10.1%	1.1%	0.0%
	Huye	6.1%	0.3%	0.0%	1.5%	1.2%	3.5%	1.2%	4.7%	0.6%	7.3%	12.0%	0.9%	0.0%
	Nyamagabe	0.0%	0.0%	0.0%	0.0%	0.0%	18.2%	0.0%	3.5%	1.2%	3.5%	37.1%	0.0%	0.0%
	Ruhango	0.0%	0.0%	0.0%	0.0%	0.0%	8.1%	2.7%	10.8%	8.1%	8.1%	5.4%	2.7%	10.8%
	Muhanga	3.3%	0.0%	0.0%	0.0%	1.7%	6.7%	8.3%	0.0%	1.7%	3.3%	3.3%	0.0%	0.0%
	Kamonyi	6.0%	0.0%	0.0%	0.0%	0.0%	4.0%	2.0%	24.0%	2.0%	2.0%	20.0%	4.0%	0.0%
	Sub-total	**3.1%**	**3.4%**	**0.0%**	**0.4%**	**0.8%**	**7.0%**	**1.8%**	**5.3%**	**0.8%**	**8.0%**	**13.7%**	**0.9%**	**0.3%**
West	Karongi	0.9%	3.5%	0.4%	0.4%	0.4%	3.9%	4.8%	2.6%	2.6%	3.9%	15.7%	0.4%	0.0%
	Ngororero	0.7%	0.0%	0.7%	0.0%	0.7%	6.7%	2.2%	0.7%	3.7%	12.6%	8.9%	0.7%	0.0%
	Nyabihu	0.0%	0.0%	0.0%	0.0%	0.0%	9.2%	1.7%	1.7%	0.3%	3.6%	0.3%	0.0%	0.0%
	Rubavu	3.0%	0.0%	0.0%	0.0%	0.0%	3.7%	1.5%	6.7%	4.4%	0.0%	5.9%	0.0%	0.0%
	Rutsiro	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	2.1%	4.6%	1.3%	11.3%	30.8%	0.0%	0.0%
	Rusizi	0.6%	0.6%	0.0%	0.0%	0.0%	10.9%	0.6%	9.8%	1.7%	8.0%	0.6%	0.0%	1.7%
	Nyamasheke	0.9%	0.0%	0.4%	0.0%	1.8%	6.7%	0.9%	3.6%	1.8%	8.4%	2.7%	0.9%	0.0%
	Sub-total	**0.7%**	**0.6%**	**0.2%**	**0.1%**	**0.4%**	**6.6%**	**2.0%**	**4.0%**	**1.9%**	**6.7%**	**9.6%**	**0.3%**	**0.2%**
North	Rulindo	0.0%	0.0%	0.0%	0.0%	0.0%	20.4%	4.4%	0.0%	0.0%	1.8%	27.4%	0.0%	0.0%
	Gakenke	0.9%	0.0%	0.6%	0.0%	5.3%	10.3%	0.6%	4.1%	2.5%	4.7%	12.8%	0.0%	0.0%
	Musanze	0.0%	0.8%	0.0%	0.0%	0.0%	2.4%	1.6%	8.9%	2.4%	11.4%	15.4%	0.0%	0.0%
	Burera	0.0%	2.6%	0.0%	0.0%	0.0%	8.5%	1.6%	3.2%	1.1%	13.8%	2.6%	1.1%	0.0%
	Gicumbi	1.0%	0.0%	0.5%	0.5%	2.0%	5.1%	0.5%	0.5%	2.0%	13.1%	13.6%	0.5%	0.0%
	Sub-total	**0.5%**	**0.6%**	**0.3%**	**0.1%**	**2.2%**	**9.0%**	**1.4%**	**3.3%**	**1.8%**	**8.8%**	**13.0%**	**0.3%**	**0.0%**
East	Bugesera	9.6%	3.6%	0.0%	12.6%	0.6%	18.0%	0.6%	0.0%	0.6%	1.8%	0.0%	0.0%	0.0%
	Rwamagana	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Gatsibo	0.7%	0.0%	0.0%	3.6%	0.7%	9.4%	0.7%	2.2%	0.0%	9.4%	23.9%	1.4%	0.0%
	Kayonza	2.4%	0.0%	0.0%	1.2%	2.4%	7.3%	0.0%	2.4%	0.0%	4.9%	3.7%	2.4%	0.0%
	Kirehe	4.7%	16.3%	0.0%	1.6%	0.0%	8.9%	0.0%	6.3%	3.2%	12.1%	17.4%	2.1%	0.0%
	Ngoma	0.0%	29.7%	0.0%	8.1%	2.7%	40.5%	0.0%	27.0%	0.0%	5.4%	13.5%	0.0%	0.0%
	Nyagatare	0.0%	0.0%	0.0%	0.0%	0.0%	8.6%	10.2%	3.1%	0.0%	12.5%	4.7%	0.8%	0.0%
	Sub-total	**3.9%**	**6.4%**	**0.0%**	**4.4%**	**0.7%**	**12.2%**	**2.0%**	**4.1%**	**0.9%**	**8.1%**	**10.6%**	**1.2%**	**0.0%**
Total		**1.8%**	**2.3%**	**0.1%**	**0.9%**	**0.9%**	**8.2%**	**1.8%**	**4.2%**	**1.4%**	**7.8%**	**11.6%**	**0.7%**	**0.2%**

A.4.7.8a. Distribution (%) of agricultural households having experienced food insecurity and the current situation of food self-sufficiency during Season 2008A

Province	District	Recently, has your household attained food self-sufficiency?			
		Yes	Slightly	No	Total
Kigali City	Nyarugenge	35.4%	44.6%	20.0%	100%
	Gasabo	11.4%	58.7%	29.9%	100%
	Kicukiro	13.5%	62.2%	24.3%	100%
	Sub-total	**17.5%**	**55.8%**	**26.8%**	**100%**
South	Nyanza	12.6%	46.7%	40.7%	100%
	Gisagara	16.8%	45.9%	37.3%	100%
	Nyaruguru	6.4%	59.5%	34.1%	100%
	Huye	8.9%	64.2%	26.9%	100%
	Nyamagabe	9.7%	58.6%	31.7%	100%
	Ruhango	19.3%	52.1%	28.6%	100%
	Muhanga	21.8%	46.6%	31.6%	100%
	Kamonyi	22.3%	58.2%	19.5%	100%
	Sub-total	**13.6%**	**54.7%**	**31.7%**	**100%**
West	Karongi	15.4%	50.1%	34.5%	100%
	Ngororero	12.0%	71.7%	16.3%	100%
	Nyabihu	5.0%	61.2%	33.8%	100%
	Rubavu	13.3%	59.1%	27.7%	100%
	Rutsiro	2.8%	57.1%	40.1%	100%
	Rusizi	8.6%	61.1%	30.3%	100%
	Nyamasheke	12.7%	39.8%	47.5%	100%
	Sub-total	**9.4%**	**57.6%**	**33.0%**	**100%**
North	Rulindo	10.0%	67.0%	23.0%	100%
	Gakenke	12.1%	73.9%	14.0%	100%
	Musanze	30.6%	53.5%	15.8%	100%
	Burera	21.2%	57.2%	21.6%	100%
	Gicumbi	21.7%	57.6%	20.7%	100%
	Sub-total	**18.9%**	**62.3%**	**18.8%**	**100%**
East	Bugesera	6.0%	52.6%	41.4%	100%
	Rwamagana	17.6%	58.8%	23.6%	100%
	Gatsibo	30.3%	51.4%	18.3%	100%
	Kayonza	33.2%	51.4%	15.4%	100%
	Kirehe	14.0%	73.9%	12.0%	100%
	Ngoma	21.2%	45.5%	33.3%	100%
	Nyagatare	29.8%	45.9%	24.3%	100%
	Sub-total	**20.2%**	**56.2%**	**23.5%**	**100%**
Total		**14.8%**	**57.2%**	**28.0%**	**100%**

A.4.7.8b. Distribution (%) agricultural households having experienced food insecurity and the current situation of food self-sufficiency during Season 2008B

Province	District	Recently, has your household attained food self-sufficiency?			
		Yes	Slightly	No	Total
Kigali City	Nyarugenge	0.0%	31.0%	69.0%	100%
	Gasabo	8.1%	40.3%	51.6%	100%
	Kicukiro	0.0%	23.1%	76.9%	100%
	Sub-total	**4.8%**	**35.6%**	**59.6%**	**100%**
South	Nyanza	9.6%	36.4%	54.0%	100%
	Gisagara	17.6%	39.4%	43.1%	100%
	Nyaruguru	5.8%	47.1%	47.1%	100%
	Huye	2.0%	73.6%	24.4%	100%
	Nyamagabe	3.5%	40.4%	56.1%	100%
	Ruhango	15.8%	60.5%	23.7%	100%
	Muhanga	3.3%	50.8%	45.9%	100%
	Kamonyi	10.7%	51.8%	37.5%	100%
	Sub-total	**7.2%**	**51.6%**	**41.2%**	**100%**
West	Karongi	6.8%	41.7%	51.5%	100%
	Ngororero	7.1%	42.1%	50.7%	100%
	Nyabihu	7.9%	36.7%	55.4%	100%
	Rubavu	22.7%	55.3%	22.0%	100%
	Rutsiro	2.4%	35.4%	62.2%	100%
	Rusizi	6.9%	47.5%	45.6%	100%
	Nyamasheke	8.7%	34.3%	57.1%	100%
	Sub-total	**8.1%**	**40.5%**	**51.4%**	**100%**
North	Rulindo	8.8%	70.8%	20.4%	100%
	Gakenke	11.3%	63.7%	25.1%	100%
	Musanze	5.7%	60.2%	34.1%	100%
	Burera	14.6%	50.8%	34.7%	100%
	Gicumbi	18.0%	42.5%	39.5%	100%
	Sub-total	**12.5%**	**56.8%**	**30.7%**	**100%**
East	Bugesera	7.8%	55.0%	37.2%	100%
	Rwamagana	5.9%	63.2%	30.9%	100%
	Gatsibo	17.1%	50.6%	32.3%	100%
	Kayonza	40.4%	41.3%	18.3%	100%
	Kirehe	5.7%	64.2%	30.1%	100%
	Ngoma	12.8%	57.4%	29.8%	100%
	Nyagatare	16.1%	39.2%	44.6%	100%
	Sub-total	**14.3%**	**52.2%**	**33.4%**	**100%**
Total		**9.9%**	**48.8%**	**41.3%**	**100%**

ANNEX 2 - QUESTIONNAIRE

FORM 1: Characteristics of members of agricultural household

FORM 2.1: Identification of blocks of the holding

FORM 2.2: Sketch of basic blocks

FORM 2.3: Data of the field

FORM 2.4: List of cultures

FORM 3: Purchase of agricultural inputs

FORM 4.1: Register for daily harvest

FORM 4.2: Summary of monthly record for daily harvest

FORM 5.1: Inventory of livestock

FORM 5.2: Flux and animal production

FORM 6: Squares yield

FORM 7.1: Register for daily fishery products

FORM 7.2: Fishing activities

FORM 8: Activities of beekeeping

FORM 9: Activities of forestry

FORM 10: Activities of horticulture

FORM 11: Storage of harvest

FORM 12: Nutrition and household food

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 1: Characteristics of members of agricultural household** *(To be completed once at the beginning of the survey)*

Province :_____/__/__/	Cell :_____ /__/__/	Date of interview : __ __/__ __ FROM __ __H__ __ TO __ __H__ __
District :_____/__/__/	N°EA/ ZD : /__/__/__/	Name of Enumerator : _____ _____
Sector :_____/__/__/	*Name of agricultural farmer* :_____/___/___/	Name & Signature of Supervisor:----------
Cell :----------		

LINE No.	Members of the agricultural household	Relationship to Head of household	Sex	Age	Marital status (*Persons aged 12 and over*)	Literacy (*Persons aged 6 and over*)	Education level (*Persons aged 6 and over*)	Principal activity (*Persons aged 6 and over*)	Secondary activity (*Persons aged 5 and over*)
	Write the names of the persons who usually live in the household starting by the Head of household including who were absent during a period less than three months	*Head =1* *Wife or Husband =2* *Son or Daughter =3* *Parent =4* *Brother or Sister =5* *Other relative = 6* *Not related =7*	*Male =1* *Female =2*	*In completed years*	*Single =1* *Married =2* *Common-law =3* *Divorced=4* *Widowed =5* *Separated =6*	*Can't read nor write =1* *Can read only =2* *Can read and write =3*	*Never been at school =1* *Primary Incomplete =2* *Primary complete =3* *Post-primary Vocational =4* *Secondary incomplete =5* *Secondary. complete =6* *Higher education incomplete =7* *Higher education =8*	*Farmer =1* *Agricultural family house help =2* *Agricultural family house help =2* *Agricultural employee =4* *Farm laborer =5* *Non farm Laborer =6* *Independent artisan =7* *Artisan employee =8* *Trader =9* *Civil servant =10* *Student =11* *Domestic househelp =12* *Other (specify) =13* *No activity =14*	*Farmer =1* *Agricultural family house help =2* *Agricultural family house help =2* *Agricultural employee =4* *Farm laborer =5* *Non farm Laborer =6* *Independent artisan =7* *Artisan employee =8* *Trader =9* *Civil servant =10* *Student =11* *Domestic househelp =12* *Other (specify) =13* *No activity =14*
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*
1.		**1**							
2.									
3.									
4.									
5.									

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 2.1: Identification of blocks of the holding** *(To be completed at the beginning of each season)*

Province :_____ /__/__/	**Village/Umudugudu :**_____ /__/__/	**Date and period of fill in:** __ __/__ __ **from** __ __**H**__ __ **to** __ __**H**__ __
District :_____ /__/__/	N°EA/ ZD : _____ /__/__/__/	Name of Enumerator : _____
Sector :_____/__/__/	Name of agricultural farmer :_____ /___/___/	Name & Signature of Supervisor:----------
Cell :_____ /__/__/		**Date :** __ __/__ __

Note: Before calling the farmer to accompany you to visit the blocks and fields. it is very important that you bring to declare all its blocks. He may be tempted not to declare the farthest if he realizes he has to take you there. Ask a question like "Could you tell us where are located all the blocks of land that the household currently uses for its agricultural activities, breeding, afforestation and even fallow. Fill at home columns 1, 2, 3 and the other columns should be filled on field.

Order number	**Location of block**	**Area of block**	**Access time from housing**	**Acquisition mode**	**Crop typology**	**Cultivation method**	**Main method of erosion control**
	Where is the bolck located ? (Indication commonly used by household member to orientate) E.g : Near the enclosure ; in the valley ……	In m^2	Minutes	Inheritance =1 Purchase =2 Gift received =3 Free use =4 Sharecropping/ rent =5 Volubntary sharing =6 Donated by the State = 7 Other =8	Rainfed crops =1 Irrigated =2 Drainage =3 Watering =4	Traditional method =1 Animal traction =2 Mechanized farming =3	Radical terraces without hedge =1 Radical terraces with hedge =2 Anti-erosion ditches without hedge =3 Anti-erosion ditches without hedge =4 Fence made of wood or grass =5 No anti-erosion device =6
1.	*2.*	*3.*	*4.*	*5.*	*6.*	*7.*	*8.*
1.							
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 2.2: Sketch of basic blocks** *(To be completed 6 weeks after the start of the season)*

Province :_____/__/__/	Village / Umudugudu:_____ /__/__/	**Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __**
District :_____/__/__/	N°EA/ ZD : /__ /__/__/	Name of Enumerator : _____
Sector :_____/__/__/	*Name of agricultural farmer* :_____/___/___/	Name & Signature of Supervisor:----------
Cell :……		**Date :** __ __/__ __

Sketch the block diagram with the fields inside. Enumerate those fields and mark the names of the crops planted in each one. Keep this sheet until the end of the survey for current season. It will allow you to speak always the same language with the farmer about the number of blocks, their location and the fields inside.

BLOC N°.....

BLOC N°.....

BLOC N°.....

BLOC N°.....

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 2.3: Data of the field** *(To be completed 6 weeks after the start of the season and whenever necessary)*

Note : This form must be filled in each field in the presence of the farmer or of his representative. Any field that is expected for sowing / planting before the end of the season will be revisited after the date of the planting and a new sheet will be filled on this occasion for the crops concerned only.

Province :_____/__/__/	N°EA/ ZD : /__/__/__/	**Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __**
District :_____/__/__/	*Name of agricultural farmer* :_____/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	*Location and N°of block* : _____/__ /__/	Name & Signature of Supervisor:----------
Cell :_____ /__/__/	*N°of field* : /__/__/	**Date :** __ __/__ __

Caracteristics of the field

01. Position **1.** On hilltop **2.** On hillside **3.** On hillfoot **4.** In the plain **5.** On marsh ☐

02. Area of the field (Ha) ☐☐.☐☐☐☐

03. Main purpose of the field:

1. Food crops
2. Cash crops
3. Forage crops
4. Fallow
5. Uncultivated field/ Pasture
6. Afforestation
7. Other use

☐

Get help from the farmer to fill the following tables. The date will be presented as follows: October 2003 = 10/03. February 1999 = 02/99. See the codes crops at the bottom of the next page.

	Put the names of five crops in descending order				
Name of crop →					
Code of crop →					
	1	2	3	4	5
04. Date of sowing/planting or starting of fallow/pasture *(MONTH/YEAR)*					
05. Did the sowing/planting take place during current season? *Yes=1 No=2 →09*					
06. Quantity of common seed used (In Kg)					
07. Quantity of plants used (Number)					
08. Quantity of improved seed used (In Kg)					
09. Manure of cattle has been implemented. *Yes=1. No=2*					
10. Manure of small livestock has been implemented? *Yes=1. No=2*					
11. Manure from toilets has been implemented? *Yes=1. No=2*					
12. Manure from compost has been implemented? *Yes=1. No=2*					
13. Green manure has been implemented?*Yes=1. No=2*					

14. Have you applied mulch on the crop?					
15. Quantity of chemical/mineral fertilizer used (in Kg)					
16. Quantity of pesticides used (in l)					
17. Quantity of pesticides used (in Kg)					
18- Number of time pesticides have been applied					
19. The use of main part of harvest : Household consumption =1. Feed for livestock = 2. Marketing = 3. Other = 4.					
20. Quantity of seeds/plants required for sowing /planting whole field in monoculture *(en Kg)*					
21. Main water source for the crop: Rains= 1. Irrigation = 2. Drainage = 3. Watering = 4					

	Put the names of five crops to be sowed/planted by the current season				
Name of crop ➔					
Code of crop ➔					
	1	2	3	4	5
22. Scheduled date for sowing *(DD/MM)***?**					

Code des cultures

1.Bush beans	*26. Carrot*	*51. Avocado ordinary*
2.Climbing beans	*27. Cucumber*	*52. Avocado Hass*
3.String beans	*28. Beetroot*	*53. Japanese plum*
4.Peas	*29. Lettuce*	*54. Coffee*
5.Grounuts	*30. Spinach*	*55. Tea*
6.Soybean	*31. Garlic*	*56. Pyrethrum*
7.Sorghum	*32. Eggplant*	*57. Tobacco*
8. Maize	*33. Squash, Pumpkin, Marrow*	*58. Sugarcane*
9. Sunflower	*34. Onion*	*59. Vanilla*
10.Wheat	*35. Okra*	*60. Geranium*
11.Rice	*36. Leek*	*61. Macadamia*
12 Softt cassava	*37. Pepper*	*62. Mulberry tree / Iboberi*
13 Bitter cassava	*38. Celery*	*63. Patchouli*
14.Sweet potato	*39. Parsley*	*64. Flowers*
15.Irish potato	*40. Dwarf pepper*	*65. Ornemental trees*
16Taro	*41. Chillies (Pili-pili)*	*66. Currants*
17.Banana for cooking/plantain	*42. Orange*	*67. Vegetables dodo*
18.Banana for wine	*43. Lemon*	*68. Sombe*
19.Apple banana Kamara	*44. Mango*	*69. Moringa*
20.Other apple banana	*45. Guava*	*70. Pastures*
21.Eleusine	*46. Passion fruit*	*71. Afforestation*
22.Yam	*47. Mushrooms*	*72. Fallow*
23.Cauliflower	*48. Pineapple*	*75. Other*
24.Cabbage	*49. Strawberry*	
25.Tomato	*50. Papaya*	

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 2.4: List of cultures** *(To be completed 6 weeks after the start of the season and whenever necessary)*

Note : This form must be filled for each agricultural farmer.

Province :_____/__/__/	N°EA/ ZD : /__/__/__/	Name of Enumerator :_____
District :_____/__/__/	*Name of agricultural farmer* :_____/__/__/	Name & Signature of Supervisor:----------
Sector :_____/__/__/	**Date and period of fill in:** __ __/__ __ **from** __ __**H**__ __ **to** __ __**H**__ __	**Date :** __ __/__ __
Cell :_____ /__/__/		

Crop	**Crop Code**	Did you grow …… during current season? YES…… 1 NO ….. . 2
Bush beans	1	
Climbing beans	2	
String beans	3	
Peas	4	
Grounuts	5	
Soybean	6	
Sorghum	7	
Maize	8	
Sunflower	9	
Wheat	10	
Rice	11	
Soft Cassava	12	
Bitter Cassava	13	
Sweet potato	14	
Irish potato	15	
Taro	16	
Banana for cooking	17	
Banana for wine	18	
Banana Gromichel	19	
Banana Kamaramasenge	20	
Eleusine	21	
Yam	22	
Cauliflower	23	
Cabbage	24	
Tomato	25	
Carrot	26	
Cucumber	27	
Beetroot	28	
Lettuce	29	
Spinach	30	
Garlic	31	
Eggplant	32	
Squash, Pumpkin, Marrow	33	
Onion	34	

Crop	**Crop Code**	Did you grow …… during current season? YES…… 1 NO ….. . 2
Okra	35	
Leek	36	
Pepper	37	
Celery	38	
Parsley	39	
Dwarf pepper	40	
Chillies (Pili-pili)	41	
Orange	42	
Lemon	43	
Mango	44	
Guava	45	
Passion fruit	46	
Mushrooms	47	
Pineapple	48	
Strawberry	49	
Papaya	50	
Avocado ordinary	51	
Avocado Hass	52	
Japanese plum	53	
Coffee	54	
Tea	55	
Pyrethrum	56	
Tobaco	57	
Sugarcane	58	
Vanilla	59	
Geranium	60	
Macadamia	61	
Mulberry tree / Iboberi	62	
Patchouli	63	
Flowers for trade	64	
Ornemental trees	65	
Gaperi / Currants	66	
Vegetable dodo	67	
Other	68	

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 3: Purchase of agricultural inputs** *(To be completed by the end of each month)*

Province :_____/__/__/	N°EA/ ZD : /__/__/__/	**Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __**
District :_____/__/__/	Name of agricultural farmer :_____/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	***Achats du mois de :***_____/___/__ /	Name & Signature of Supervisor:----------
Cell :_____/__/__/		**Date :** __ __/__ __

1. Agricultural equipment and tools *(Code: See bottom of next page)*

Item	Code	Number bought last month	Purchase value (in RWF) (unit price)	Total value spent (RWF)	Number received from a non agricultural donor

2. Common seeds *(**Code:** See bottom of next page. if crop code <10. Write 20 followed by the code. e.g. : Maize=207. If crop code >10 write 2 followed by the code. E.g. :Irish potato=213)*

Item	Code	Amount bought last month (in Kg)	Purchase value (in RWF) (unit price)	Total value spent (RWF)	Amount received from a non agricultural donor (in Kg)

3. Improved seeds *(Code: See bottom of next page. if crop code <10. Write 30 followed by that code. e.g. : Maïs=307. If crop code >10. Write 3 followed by the code. e.g.: Irish potato=313)*

Item	Code	Amount bought last month (in Kg)	Purchase value (in RWF) (unit price)	Total value spent (RWF)	Amount received from a non agricultural donor (in Kg)

4. Chemical fertilizer *(**Code :** NPK=401. DAP=402. Urea=403. Lime=404. Other type=405)*

Item	Code	Amount bought last month (in Kg)	Purchase value (in RWF) (unit price)	Total value spent (RWF)	Amount received from a non agricultural donor (in Kg)

5. Common manure (*Code: Green manure= 501. Manure from toilets= 502. Manure of cattle= 503. Manure from small livestock=504. Manure from compost=505. Other type=506)*

Item	Code	Amount bought last month (in Kg)	Purchase value (in RWF) (unit price)	Total value spent (RWF)	Amount received from a non agricultural donor (in Kg)

6. Pesticides *(Code : Dithane=601. Dursban=602. Sumicombi=603. Oxychlorure de cuivre=604. Ridomil=605. DDT=606 Thiodan=607. Other= 608)*

Item	Code	Amount bought last month	Unit Kg=1. Litre=2	Purchase value (in RWF) (unit price)	Total value spent (RWF)	Amount received from a non agricultural donor	Unit Kg=1. Litre=2

7. Paid labor force *(Code : Permanent employee 701. Temporary Cash 702. Temporary paid in kind 703)*

Type of labor force	Code	Number of labor days used last month	Total value of remuneration (RWF)

Crop code

1. Bush beans	*13. Bitter Cassava*	*26. Carrot*	*41. Chillies (Pili-pili)*	*56. Pyrethrum*
2. Climbing beans	*14. Sweet potato*	*27. Cucumber*	*42. Orange*	*57. Tobaco*
3. String beans	*15. Irish potato*	*28. Beetroot*	*43. Lemon*	*58. Sugarcane*
4. Peas	*16. Taro*	*29. Lettuce*	*44. Mango*	*59. Vanilla*
5. Grounuts	*17. Banana for cooking*	*30. Spinach*	*45. Guava*	*60. Geranium*
6. Soybean	*18. Banane for beer*	*31.Garlic*	*46. Passiflore*	*61. Macadamia*
7. Sorghum	*19. Apple Bananat Kamara*	*32. Eggplants*	*47. Mushrooms*	*62. Mulberry tree / Iboberi*
8. Maize	*20. Other apple banana*	*33. Squash, Pumpkin, Marrow*	*48. Pineapple*	*63. Patchouli*
9. Sunflower	*21. Eleusine*	*34. Onion*	*49. Strawberry*	*64. Flowers for trade*
10. Wheat	*22. Yam*	*35. Gombo Okra*	*50. Papaya*	*65.Ornemental trees*
11. Rice	*23. Cauliflower*	*36. Leek*	*51. Avocado ordinary*	*66. Gaperi / Groseille*
12. Soft Cassava	*24. Cabbage*	*37. Pepper*	*52. Avocado Hass*	*67. Vegetable dodo*
	25. Tomato	*38. Celery*	*53. Japanese plum*	*68. Sombe*
		39. Parsley	*54. Coffee*	*69. Moringa*
		40. Dwarf pepper	*55. Tea*	*75. Other*

Codes of small tools and farm equipments

101. Hoe	107. Sprayer	113. Axe/ Ishoka	119. Basket	126. Basket/ Inkangar	134. Barrel
102. Spring hoe	108. Watering can	114. Machete	120. Sack	127. Churn / Igisabo	135. Radio
103. Hoe majagu	109. Scie	115. Billhook	121. Big basket	128. Calabash	136. Bike
104. Pick /Ipiki	110. Sickle	116. Mixer/ Umuvure	122. Loft / Ikigega	129. Milk can/igicuba	137. Craft bike
105. Wheelbarrow	111. Sécateurs	117. Mortar / Isekuru	123. Pitcher	130. Milk jug/ Icyansi	138. Bowll /ingemeri
106. Shovel / Igitiyo	112. Scythe	118. Mill / Urusyo	124.Winnower	131. Milk container	139. Other
			125. Basket/Ikibo	132. Scales	
				133. Jerry-can	

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 4.1: Register for daily harvest** *(To be completed by the operator for each day of harvest)*

Province :_____/__/__/	**Cell :**_____/__/__/	**Date of register deposit (dd /mm/yy) :** /__ __/__ __/__ __/
District :_____/__/__/	N°EA/ ZD : /__/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	*Name of agricultural farmer :*_____/__/__/	Name & Signature of Supervisor:----------
		Date : __ __/__ __

Notes:
Each harvested product must be recorded in the daily register.
Each evening, the farmer controls the entries in the register by asking other members of the farm everything that has been harvested in the fields today.
***Keeping the register**:*
At home. in a safe place. The register must be kept in a plastic bag with a pencil and an eraser. Do not take it with you on the field or elsewhere.

Day of havesting	**Date of havesting**	**Harvested crop** *(Note each crop per line)*	**Harvested Quantity**		**Sold Quantity**	
			Quantity	**Unit of measure Kilo : 1 Litre : 2 Number/ pieces : 3**	**Quantity**	**Unit of measure Kilo : 1 Litre : 2 Number/ pieces : 3**
1.	**2.**	**3.**	**4.**	**5.**	**6.**	
Monday	27/09/20	Banana for	50	1	20	1
Thursday	30/09/20	Irish potato	20	1	0	1

Harvested crops code

1. Bush beans	*13. Bitter Cassava*	*26. Carrot*	*41. Chillies (Pili-pili)*	*56. Pyrethrum*
2. Climbing beans	*14. Sweet potato*	*27. Cucumber*	*42. Orange*	*57. Tobaco*
3. String beans	*15. Irish potato*	*28. Beetroot*	*43. Lemon*	*58. Sugarcane*
4. Peas	*16. Taro*	*29. Lettuce*	*44. Mango*	*59. Vanilla*
5. Grounuts	*17. Banana for cooking*	*30. Spinach*	*45. Guava*	*60. Geranium*
6. Soybean	*18. Banane for wine*	*31.Garlic*	*46. Passiflore*	*61. Macadamia*
7. Sorghum	*19. Banane fruit Kamara*	*32. Eggplants*	*47. Mushrooms*	*62. Mulberry tree / Iboberi*
8. Maize dry grains	*20. Other fruit banana*	*33. Squash, Pumpkin, Marrow*	*48. Pineapple*	*63. Patchouli*
9. Sunflower	*21. Eleusine*	*34. Onion*	*49. Strawberry*	*64. Flowers*
10. Wheat	*22. Yam*	*35. Gombo Okra*	*50. Papaya*	*65.Ornemental trees*
11. Rice	*23. Cauliflower*	*36. Leek*	*51. Avocado ordinary*	*66. Gaperi / Groseille*
12. Soft Cassava	*24. Cabbage*	*37. Pepper*	*52. Avocado Hass*	*67. Vegetable dodo*
	25. Tomato	*38. Celery*	*53. Japanese plum*	*68. Sombe*
		39. Parsley	*54. Coffee*	*69. Moringa*
		40. Dwarf pepper	*55. Tea*	*73. Fresh beans*
				74. Fresh peas
				75. Fresh maize
				76. Dry maize in ear
				77. Other

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 4.2: Summary of monthly record for daily harvest** *(To be completed by the end of each month during the season)*

Province :_____/__/__/	**Cell :**_____/__/__/	**Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __**
District :_____/__/__/	*N°EA/ ZD :* /__ /__/__/	Name of Enumerator :_____
Sector :_____/__/__/	Name of agricultural farmer :____/__/__/	Name & Signature of Supervisor:----------
	Production du mois de :_____/___/__ /	**Date :** __ __/__ __

Harvested crop	**Code of harvested crop**	**Harvested Quantity**		**Sold Quantity**	
		Quantity	**Unit of measure** **Kilo : 1** **Litre : 2** **Number/ pieces : 3**	**Quantity**	**Unit of measure** **Kilo : 1** **Litre : 2** **Number/ pieces : 3**
1.	**2.**	**3.**	**4.**	**5.**	**6.**

Harvested crops code

1. Bush beans *2. Climbing beans* *3. String beans* *4. Peas* *5. Grounuts* *6. Soybean* *7. Sorghum* *8. Maize dry grains* *9. Sunflower* *10. Wheat* *11. Rice* *12. Soft Cassava*	*13. Bitter Cassava* *14. Sweet potato* *15. Irish potato* *16. Taro* *17. Banana for cooking* *18. Banane for wine* *19. Banane fruit Kamara* *20. Other fruit banana* *21. Eleusine* *22. Yam* *23. Cauliflower* *24. Cabbage* *25. Tomato*	*26. Carrot* *27. Cucumber* *28. Beetroot* *29. Lettuce* *30. Spinach* *31.Garlic* *32. Eggplants* *33. Squash, Pumpkin, Marrow* *34. Onion* *35. Gombo Okra* *36. Leek* *37. Pepper* *38. Celery* *39. Parsley* *40. Dwarf pepper*	*41. Chillies (Pili-pili)* *42. Orange* *43. Lemon* *44. Mango* *45. Guava* *46. Passiflore* *47. Mushrooms* *48. Pineapple* *49. Strawberry* *50. Papaya* *51. Avocado ordinary* *52. Avocado Hass* *53. Japanese plum* *54. Coffee* *55. Tea*	*56. Pyrethrum* *57. Tobaco* *58. Sugarcane* *59. Vanilla* *60. Geranium* *61. Macadamia* *62. Mulberry tree / Iboberi* *63. Patchouli* *64. Flowers* *65.Ornemental trees* *66. Gaperi / Groseille* *67. Vegetable dodo* *68. Sombe* *69. Moringa* *73. Fresh beans* *74. Fresh peas* *75. Fresh maize* *76. Dry maize in ear* *77. Other*

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 5.1: Inventory of livestock** *(To be completed once at the beginning of the season)*

Province :_____/__/__/	**Cell :**_____/__/__/	**Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __**
District :_____/__/__/	*N°EA/ ZD :* /__ /__/__/	Name of Enumerator :_____
Sector :_____/__/__/	Name of agricultural farmer :____/__/__/	Name & Signature of Supervisor:----------
		Date : __ __/__ __

1. Type of livestock		**1. Total number of animals in the holding** *If n= 0. skip to the following type*	**2. Number of animals in lactation**
Cattle	**Local race (Ankole)**	**Dairy cow** /__ /__/__/	/__ /__/__/
		Heifers /__ /__/__/	
		Calves /__ /__/__/	
		Bull-calves /__ /__/__/	
		Castrated males /__ /__/__/	
		Bulls /__ /__/__/	
	Hybrid or exotic race	**Dairy cow** /__ /__/__/	/__ /__/__/
		Heifers /__ /__/__/	
		Calves /__ /__/__/	
		Bull-calves /__ /__/__/	
		Castrated males /__ /__/__/	
		Bulls /__ /__/__/	
Goats	**Local race**	/__ /__/__/	
	Hybrid or exotic race	/__ /__/__/	
Sheep	**Local race**	/__ /__/__/	
	Hybrid or exotic race	/__ /__/__/	
Pigs	**Local race**	/__ /__/__/	
	Hybrid or exotic race	/__ /__/__/	
Rabbits		/__ /__/__/	
Chickens	**Local race**	/__ /__/__/	
	Hybrid or exotic race		
Other poultry		/__ /__/__/	
Guinea- pigs		/__ /__/__/	

2. Do you own a cowshed?	**YES……1**	**NO……2**		
3. Which farming method for cattle do you use?	**Stalling……1**	**Roaming …..2**	**Stalling and roaming……..3**	
4. Which is the main source of feed for livestock?	Forage field =1 Along anti-erosion ditches=2. Tuffets /plants within fields= 3. Gleaning grass in bushes=4. Purchasing feed =5		Area of field (in m2)	Length of ditches (in m)

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 5.2: Flux and animal production** *(To be completed by the end of each month)*

Province :_____/__/__/	N°EA/ ZD : /__/__/__/	**Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __**
District :_____/__/__/	Name of agricultural farmer :___/__/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	***Production of the month of :***_____/___/__ /	Name & Signature of Supervisor:----------
Cell :_____/__/__/		**Date :** __ __/__ __

Types of livestock / Products	**Code**	**Number/Quantity purchased**	**Free gift from other household**	**Free gift from Organization**	**Born/Produced on holding**	**Number/Quantity sold**	**Number/Quantity given out as gift**	**Number/Quantity lost**		**Number/Quantity consumed within household**	**Declared unit of measure**
								Dead	**Stolen**		
1.	***2.***	***3.***	**4.**	**5.**	**6.**	**7.**	**8.**	**9.**	**10.**	**11.**	**12.**
Cattle	*71*										
Goat	*72*										
Sheep	*73*										
Pig	*74*										
Rabbit	*75*										
Chicken	*76*										
Duck	*77*										
Turkey	*78*										
Guinea-pig	*79*										
Cow milk	*80*										
Other milk	*81*										
Skins	*82*										
Chicken egg	*83*										
Other egg	*84*										
Butter	*85*										
Lard	*86*										

Code of unit of measure
Kg…….. =1
Litre….. = 2
Number of animals = 3
Number of pieces= 4

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 6: Squares yield** *(To be completed 2 months after the start of the season)*

Province :_____/__/__	N°EA/ ZD : /__/__/__/	**Date and period of fill in:** __ __/__ __ **from** __ __**H**__ __ **to** __ __**H**__ __
District :_____/__/__/	Name of agricultural farmer :_____/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	Location and Bloc number : _____/__ /__/	Name & Signature of Supervisor:----------
Cell :_____ /__/__/	Field number : /__/__/	**Date :** __ __/__ __

Note : *To select randomly (using a table of random numbers) 2 farms on the list of 12 farms to be followed by each enumerator. All fields within these two farms will be characterized by using yield squares method. The dimensions of the yield squares will be determined in reference to the density of the crop. 3 yield squares of 2m x 2m (5m x 5m in the case of bananas) should be put randomly in each field.*

Order number	**Dimensions** *Ex : 2mX2m*	**Crop**	**Crop Code**	**Number of plants / tufts counted on square**	**Unit of counting** *Plant = 1* *Tuft = 2*	**Harvested amount**	**Unit** *Kg …… =1*
		1.	**2.**	**3.**	**4.**	**5.**	**6.**
Square 1							
Square 2							
Square 3							

Harvested crops code

1. Bush beans	*13. Bitter Cassava*	*26. Carrot*	*41. Chillies (Pili-pili)*	*56. Pyrethrum*
2. Climbing beans	*14. Sweet potato*	*27. Cucumber*	*42. Orange*	*57. Tobaco*
3. String beans	*15. Irish potato*	*28. Beetroot*	*43. Lemon*	*58. Sugarcane*
4. Peas	*16. Taro*	*29. Lettuce*	*44. Mango*	*59. Vanilla*
5. Grounuts	*17. Banana for cooking*	*30. Spinach*	*45. Guava*	*60. Geranium*
6. Soybean	*18. Banane for wine*	*31.Garlic*	*46. Passiflore*	*61. Macadamia*
7. Sorghum	*19. Banane fruit Kamara*	*32. Eggplants*	*47. Mushrooms*	*62. Mulberry tree / Iboberi*
8. Maize dry grains	*20. Other apple banana*	*33. Squash, Pumpkin, Marrow*	*48. Pineapple*	*63. Patchouli*
9. Sunflower	*21. Eleusine*	*34. Onion*	*49. Strawberry*	*64. Flowers for trade*
10. Wheat	*22. Yam*	*35. Gombo Okra*	*50. Papaya*	*65.Ornemental trees*
11. Rice	*23. Cauliflower*	*36. Leek*	*51. Avocado ordinary*	*66. Gaperi / Groseille*
12. Soft Cassava	*24. Cabbage*	*37. Pepper*	*52. Avocado Hass*	*67. Vegetable dodo*
	25. Tomato	*38. Celery*	*53. Japanese plum*	*68. Sombe*
		39. Parsley	*54. Coffee*	*69. Moringa*
		40. Dwarf pepper	*55. Tea*	*75. Other*

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 7.1: Register for daily fishery products** *(To be completed by the farmer each fishing day)*

Province :_____/__/__/	**Village / Umudugudu ----------** /__/__/	**Date and period of fill in:** __ __/__ __ **from** __ __**H**__ __ **to** __ __**H**__ __
District :_____/__/__/	N°EA/ ZD : /__/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	Name of agricultural farmer :_____/__/__/	Name & Signature of Supervisor:----------
Cell :_____ /__/__/		**Date :** __ __/__ __

Note:
The harvest of fishery must be registered daily on this sheet whenever fishing took place.
Each evening the head of household checks the registration of any quantity of fish harvested that day.

This form must be kept in a safe place in a plastic bag together with a pencil and an eraser.

Fishing day	*Fishing date*	*Quantity of captured fish (in Kg)*	*Toal value (in RWF)*

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 7.2: Fishing activities** *(To be completed into 3 passages during the season)*

Province :_____/__/__/	**Village/Umudugudu:**_____/__/__/	**Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __**
District :_____/__/__/	N°EA/ ZD : /__/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	Name of agricultural farmer :_____/__/__/	Name & Signature of Supervisor:----------
Cell :_____/__/__/		**Date :** __ __/__ __

1. Does household own a fishpond?	Yes …. 1	No … 2	
<<IF NO=2. SKIP TO QUESTION 3>>			

2. Area of fish pond ?	In m2				

3. Does a household member practice fishing?	Yes …. 1	No … 2	

4. Which method of fishing is used?	As independent fisherman.. 1	
	In association …2	
	Both methods…3	

5. If in association, how many members are there ?	

6. Which is the main tool used for fishing?		As independent	In association
	Pirogue …1		
	Net….2		
	Angling….3		

		Since the beginning of this agricultural season		Since my last passage		Since my last passage	
		As independent	In Association	As independent	In Association	As independent	In Association
7. What quantity of fish (in Kg) drawn from …?	Ponds						
	Lakes and rivers						
8. What income earned from fishing...? (RWF)	Ponds						
	Lakes and rivers						

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 8: Activities of beekeeping** *(To be completed only **once** at the end of the season)*

Province :_____/__/__/	**Cell :**_____/__/__/	**Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __**
District :_____/__/__/	N°EA/ ZD : /__/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	Name of agricultural farmer :_____/__/__/	Name & Signature of Supervisor:----------
		Date : __ __/__ __

1. Does your household practice beekeeping? **YES…...1. No ……2**	
<<IF NO=2. GO TO FORM 9>>	

2. Which method of beekeeping ?	As independent = 1			In association =2			Both methods =3		
	/___/			/___/			/___/		
	Tradition alway =1	Modern way =2	Both ways =3	Tradition alway =1	Modern way =2	Both ways =3	Traditiona l way =1	Modern way =2	Both ways =3
	/___/			/__/			/__/		

3. If you work in association, how many members are you ?	Using tradition way	Using modern way	Using both ways
	/___/_____/_____/	/___/_____/_____/	/___/_____/_____/

4. Number of hives owned by the household	Traditional hives	Modern hives
	/___/_____/_____/	/___/_____/_____/
5. Number of hives oened by association	Traditional hives	Modern hives
	/___/_____/_____/	/___/_____/_____/

How often do you harvest honey from your own hives by agricultural season?	Traditional hives	Modern hives
	/___/_____/_____/	/___/_____/_____/

7. What average amount of honey do you harvest at every turn (in Kg)? ?	Traditional hives	Modern hives
	/___/_____/_____/	/___/_____/_____/

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	NATIONAL AGRICULTURAL SURVEY (NAS 2008) (Agricultural Season A / B 20 ....) FORM 9: Activities of forestry *(To be completed in 3 passages during the season)*

Province :_____/__/__/	Cell :_____ /__/__/	Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __
District :_____/__/__/	N°EA/ ZD : /__/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	Name of agricultural farmer :_____/__/__/	Name & Signature of Supervisor:----------
		Date : __ __/__ __

1. Does your household possess a real afforestation?	Yes ….. 1	No … 2	
2. Does your household have trees planted elsewhere?	Yes … 1	No … 2	

<<IF NO=2 FOR BOTH QUESTIONS. GO TO QUESTION 7>>

3. How many fruit trees ?						
4. How many trees planted in association with crops?						
5. How many trees planted elsewhere?						
6. How many trees are in your afforestation?						

7. What is the main source of energy used by your household for cooking?	Household afforestation……..1 Glean firewood (in public afforestations)…..…2 Glean firewood (in afforestations of neighbors)….3 Use crop residues for cooking……..…4 Buy firewood…….5 Other…….6	

	Since the beginning of the current agricultural season?	Since my last passage	Since my last passage
8. How much money have you earned by selling timber (FRW)			
9. How much money have you earned by selling sawn wood? (FRW)			
10 How much money have you earned by selling firewood? (FRW)			
11. How many sacks of charcoil have you produced (Number)			

12. How much money have you earned by selling charcoal? (FRW)				
13. Have you planted trees ?	YES …..... 1 NO …. 2			
14. If YES, how many plants ? (NUMBER)				

15. What was the main source requested for plants to make your planting?	Public tree nursery…… 1 Tree nursery of NGOs ……..…… 2 Tree nursery of household……... 3 Buying plants…..……. 4 Donation…...…….. 5 Other……..……. 6	

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 10: Activities of horticulture** *(To be completed once at the end of the growing season)*

Province :_____/__/__/	**Cell :**_____ /__/__/	**Date and period of fill in:** __ __/__ __ **from** __ __**H**__ __ **to** __ __**H**__ __
District :_____/__/__/	N°EA/ ZD : /__/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	Name of agricultural farmer :_____/__/__/	Name & Signature of Supervisor:----------
		Date : __ __/__ __

1. Did your household grow vegetables?	YES… 1	NO… 2	
2. Did your household grow fruit trees?	YES… 1	NO…… 2	
3. Did your household grow ornemental trees?	YES… 1	NO…… 2	
4. Did your household grow flowers?	YES… 1	NO… 2	
5. What was the main supplier of tree plants or flowers?	Public tree nursery =1 Nursery of NGOs =2. Nursery of household =3. Buying plants =4.		
<<IF NO=2 FOR ALL QUESTIONS. END INTERVIEW>>			

Crop	Code	Did you grow …… during current season? YES…… 1 NO … . 2 (next crop)	Cultivated area for ….		Is this crossbreeding result? YES. 1 NO.2	Do you sell…? YES… 1 NO.... 2	Where do you find the market for this crop? Close neighborhood =1 Far from here =2 Foreign countries=3	What kind of benefit do you get from the crop ….?	
			Area (m^2)	Number of plants /tufts				Money YES… ...1 NO. . 2	Consumption for household YES…… 1 NO.. . 2
Peas	1								
Tomato	2								
String beans	3								
Dwarf red pepper	4								
Carrot	5								
Mushrooms	6								
Onion	7								
Garlic	8								
Maracuja	9								
Pineapple	10								
Papaya	11								
Avocado hass	12								
Banana Kamaramasenge	13								
Macadamia	14								
Apple	15								
Gaperi / Groseille	16								
Japanese plum	17								
Pyrethrum	18								
Flowers	19								
Ornemental trees	20								
Geranium	21								
Patchouli	22								
Mulberry tree / Iboberi	23								

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	**NATIONAL AGRICULTURAL SURVEY (NAS 2008)** **(Agricultural Season A / B 20 ....)** **FORM 11: Storage of harvest** *(To be completed once during the month before harvest)*

Province :_____/__/__/	**Cell :**_____/__/__/	**Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __**
District :_____/__/__/	N°EA/ ZD : /__/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	Name of agricultural farmer :___/__/__/	Name & Signature of Supervisor:----------
		Date : __ __/__ __

Crop	Code	Amount harvested in previous agriculture season left and kept in stock (in Kg) ofr crop.....	
		At home ?	In granaries ?
Bush beans	1		
Climbing beans	2		
Peas	3		
Grounuts	4		
Soybean	5		
Sorghum	6		
Maize	7		
Wheat	8		
Rice	9		
Bitter cassava	10		
Irish potato	11		
Eleusine	12		

NATIONAL INSTITUTE OF STATISTICS OF RWANDA	NATIONAL AGRICULTURAL SURVEY (NAS 2008) (Agricultural Season A / B 20 ....) FORM 12: Nutrition and household food *(To be completed after six months)*

Province :_____/__/__/	**Cell :**_____/__/__/	**Date and period of fill in: __ __/__ __ from __ __H__ __ to __ __H__ __**
District :_____/__/__/	N°EA/ ZD : /__/__/__/	Name of Enumerator :_____
Sector :_____/__/__/	Name of agricultural farmer :_____/__/__/	Name & Signature of Supervisor:----------
		Date : __ __/__ __

SECTION 1 : FOOD SOURCES AND CONSUMPTION

1	YESTERDAY. HOW MANY TIMES DID THE ADULTS IN THIS HOUSEHOLD EAT?	TIMES |__|	**2.** YESTERDAY. HOW MANY TIMES DID THE CHILDREN IN THIS HOUSEHOLD EAT??	TIMES |__|			
3	IS THIS USUAL **AT THIS TIME OF YEAR ?**	1 2	YES FOR ADULTS YES FOR CHILDREN	3 4	NO FOR ADULTS NO FOR CHILDREN		

4. COULD YOU PLEASE TELL ME HOW MANY DAYS IN THE **PAST ONE WEEK** YOUR HOUSEHOLD HAS EATEN THE FOLLOWING FOODS AND WHAT WAS THE SOURCE WAS
(USE CODES BELOW. WRITE 0 FOR ITEM NOT EATEN OVER LAST 7 DAYS AND IF SEVERAL SOUCES. WRITE UP TO TWO)

FOR FOOD RECALL IN LAST 7 DAYS **(CHECK BOX IF CONSUMED)**								*FOOD ITEMS*	5. *# OF DAYS EATEN LAST 7 DAYS(TOTAL OF BOXES ON LEFT)*	6. *FOOD SOURCE (WRITE ALL)*	
1	2	3	4	5	6	7				PRIMARY	SECONDARY
							1.4A	MAIZE (E.G : PASTA OF MAIZE)	|__|	|__|	|__|
							1.4B	RICE	|__|	|__|	|__|
							1.4C	OTHER CEREALS (SORGHUM…)	|__|	|__|	|__|
							1.4D	CASSAVA	|__|	|__|	|__|
							1.4E	SWEET POTATO	|__|	|__|	|__|
							1.4F	IRISH POTATO	|__|	|__|	|__|
							1.4G	OTHER ROOTS AND TUBERS	|__|	|__|	|__|
							1.4H	BREAD AND OTHER PASTRY	|__|	|__|	|__|
							1.4I	BANANA FOR COOKING	|__|	|__|	|__|
							1.4J	BEANS . PEAS	|__|	|__|	|__|
							1.4K	OTHER LEGUMES	|__|	|__|	|__|
							1.4L	SOMBE	|__|	|__|	|__|
							1.4M	GROUNUTS	|__|	|__|	|__|
							1.4N	SUNFLOWER	|__|	|__|	|__|
							1.4O	FRESH FRUITS	|__|	|__|	|__|
							1.4P	FISH	|__|	|__|	|__|
							1.4Q	MEAT OF DOMESTIC ANIMALS OR PRODUCT OF HUNTING	|__|	|__|	|__|
							1.4R	POULTRY	|__|	|__|	|__|
							1.4S	EGGS	|__|	|__|	|__|
							1.4T	VEGETABLE/ANIMAL OILS	|__|	|__|	|__|
							1.4U	SUGAR	|__|	|__|	|__|
							1.4V	MILK	|__|	|__|	|__|

FOOD SOURCE CODES					
	1 = OWN PRODUCTION(CROPS. ANIMALS)	3 = EXCHANGE LABOUR/ITEMS FOR FOOD	5 = PURCHASES	7 = FOOD AID/SUBSIDIZED FOOD (NGOS. GOVT)
	2 = UNTING. FISHING. GATHERING	4 = BORROWED	6 = GIFT(FOOD) FROM FAMILY/RELATIVES	

SECTION 2 –SHOCKS AND FOOD SECURITY

1. DID YOU EXPERIENCE ANY UNUSUAL SITUATION DURING THE LAST 6 MONTHS THAT AFFECTED YOUR HOUSEHOLD'S ABILITY TO PROVIDE FOR ITSELF. EAT IN THE MANNER YOU ARE ACCUSTOMED TO OR AFFECTED WHAT YOUR HOUSEHOLD OWNED ?	1	YES	2	NON ….>>>> END

1. IF YES. BY ORDER OF IMPORTANCE. WHAT PROBLEMS AFFECTED YOUR HOUSEHOLD IN LAST 6 MONTHS ?
DO NOT READ OPTIONS. WRITE NUMBER IN FRONT OF THE IDENTIFIED CAUSE BY ORDER OF IMPORTANCE(1=HIGHEST)

|__|	A. DROUGHT/IRREGULAR RAINS. PROLONGED DRY SPELL	|__|	B.FLOODS	|__|	C. LANDSLIDES. EROSION	|__|	D. UNUSUAL HIGH LEVEL OF CROP PESTS &DISEASE
|__|	E. UNUSUAL HIGH LEVEL OF LIVESTOCK DISEASES	|__|	F. UNUSUAL HIGH LEVEL OF HUMAN DISEASES	|__|	G. UNUSUAL HIGH PRICES FOR FOOD	|__|	H. UNUSUAL HIGH COST OF AGRIC.INPUTS (SEEDS. FERTILIZER.ETC.)
|__|	I. LOSS OR REDUCED EMPLOYMENT FOR HOUSEHOLD MEMBER	|__|	J. REDUCED INCOME OF HOUSEHOLD MEMBER	|__|	K. SERIOUS ILLNESS OR ACCIDENT OF HOUSEHOLD MEMBER	|__|	L. DEATH OF THE HEAD OF THE HOUSEHOLD
|__|	M. DEATH OF A WORKING HOUSEHOLD MEMBER	|__|	N. DEATH OF OTHER HOUSEHOLD MEMBER	|__|	O. THEFT OF PRODUCTIVE RESOURCES	|__|	P. INSECURITY / VIOLENCE
|__|	Q. HAILSTONES	|__|	R. OTHER				

FOR THE FOUR FIRST MAIN SHOCKS ABOVE. PLEASE COMPLETE THE FOLLOWING TABLE USING THE CODES. PLEASE BE CONSISTENT IN RANKING. COMPLETE ONE LINE AT THE TIME.

3. PROBLEM (RANKED AS ABOVE)	4. WHAT MONTHS DID [PROBLEM] AFFECT YOU?													5. DID [PROBLEM] CREATE A DECREASE OR LOSS OF INCOME IN CASH OR IN KIND? (1. =YES 2=NO)	6- DID [PROBLEM] CREATE A DECREASE OR LOSS OF ASSETS OR BELONGINGS (1. =YES 2=NO)	7 DID [PROBLEM] CREATE A AN UNUSUAL DECREASE IN YOUR HOUSEHOLD'S ABILITY TO HAVE ENOUGH FOOD TO EAT (1. =YES 2=NO)	8. WHAT DID THE HOUSEHOLD DO TO COMPENSATE FOR THOSE LOSSES ? USE CODES BELOW ET DO NOT EXCEED THREE MAIN RESPONSES	**9.** HAS THE HOUSEHOLD RECOVERED FROM THOSE LOSSES ? **1.=YES 2 = NO 3=PARTIALLY**
	J	F	M	A	M	J	J	A	S	O	N	D	ALL					
1. |__|													|__|	|__|	|__|	|__|__|.|__|__|.|__|__|	|__|
2. |__|													|__|	|__|	|__|	|__|__|.|__|__|.|__|__|	|__|
3. |__|													|__|	|__|	|__|	|__|__|.|__|__|.|__|__|	|__|
4. |__|													|__|	|__|	|__|	|__|__|.|__|__|.|__|__|	|__|

01 = RELY ON LESS PREFERRED. LESS EXPENSIVE FOOD	11 = SOME HH MEMBERS MIGRATED PERMANENTLY (> 6 MONTHS)	21 = SOLD BIG ANIMALS-OXEN. COW. BULLS
02 = BORROWED FOOD. HELPED BY RELATIVES	12 =REDUCED EXPENDITURES ON HEALTH AND EDUCATION	22 = RENTED OUT LAND
03 = URCHASED FOOD ON CREDIT	13 = SPEND SAVINGS	23 = SOLD LAND
04 = CONSUMED MORE WILD FOOD OR HUNTED	14 = BORROWED MONEY	24 = WORKED FOR FOOD ONLY
05 = CONSUMED SEES STOCK HELD FOR NEXT SEASON	15 = SOLD HH ARTICLES (UTENSILS. BLANKETS) OR JEWERLY	25 = EXTENDED WORKING HOURS
06 = REDUCED THE PROPORTIONS OF MEALS FOR ALL	16 = SOLD AGRICULTURE TOOLS	26 = CHILDREN TAKEN OUT OF SCHOOL
07 = ADULTS ATE LESS SO THAT CHILDREN COULD EAT	17 = SOLD BUILDING MATERIALS	27 = MOVED HOUSE
08 = REDUCED NUMBER OF MEALS PER DAY	18 =SOLD HH FURNITURES	
09 = SKIPPED DAYS WITHOUT EATING	19 = SOLD HH POULTERY, BIRDS., DUCKS	
10 = SOME HH MEMBERS MIGRATED TEMPORARY (< 6 MONTHS)	20 = SOLD SMALL ANIMALS-GOATS, SHEEP,PIGS	

Unusual crop pests and disease	Unusual livestock diseases
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.

ANNEX 3 - REFERENCES

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