



Solomon Islands Government

Report on National Agricultural Survey 2017

November 2019

**Solomon Islands National Statistics Office, Ministry of Finance and Treasury and
Ministry of Agriculture and Livestock, in collaboration with the Food and Agriculture
Organization of the United Nations and the World Bank**



**Food and Agriculture
Organization of the
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Contents

LIST OF FIGURES AND TABLES.....	vi
FOREWORD.....	xii
ACKNOWLEDGEMENTS	xiii
EXECUTIVE SUMMARY	xiv
ii. Composition of the Steering and Technical Committees for the Solomon Islands National Agriculture Survey 2017	xix
iii. Summary Indicators.....	xx
iv. Acronyms and Abbreviations	xxiii
Chapter 1 - Introduction	1
1.1 Geography	1
1.2 Climate and Natural Disasters.....	1
1.3 Population and Economy	2
1.4 History of Agriculture Surveys and Censuses.....	2
1.5 Policies.....	2
Chapter 2 - Scope, Coverage and Sample Design	4
2.1 Objective of Solomon Islands National Agriculture Survey 2017	4
2.2 Approach	4
2.3 Sampling	4
2.4 Geographical Coverage	5
2.5 Scope of Survey	6
2.6 Survey and Reference Period.....	6
2.7 Survey Procedure.....	7
2.8 Field Operations.....	7
2.9 Data Processing	7
2.10 Advocacy Plan	7
Chapter 3 - Concepts and Terms Used	9
Chapter 4 – Households, Agricultural Holdings, and Population.....	15
4.1 Households.....	15
4.2 Population Age Groups	15
4.3 Dependency Ratio	17
4.4 Education Attained	17
4.5 Employment Status	18
4.6 Sector of Employment and Main Activity	20
4.7 Activity in the Holding.....	22
Chapter 5 – Agricultural Holdings and Land Tenure.....	24
5.1 Household Agricultural Holdings.....	24

5.2	Size of Agricultural Holdings.....	24
5.3	Engagement in Subsector Activities	26
5.4	Distribution of Household Agricultural Holdings into Parcels	27
5.5	Main Land Uses of Parcels.....	30
5.6	Land Tenure of the Parcels	34
5.7	Land Status of Parcels	37
5.8	Area of Land Rented	39
5.9	Trees and Plants Growing in Homestead Land	40
Chapter 6 – Crop Cultivation and Harvesting.....		41
6.1	Agricultural Holdings Involved in Cultivation / Harvesting of Food Crops	41
6.2	Area Used for Existing Crops	42
6.3	Number of Trees in Existing Tree Crops and Method of Planting	43
6.4	Average Age of Coconut and Cocoa	44
6.5	Area of Crops Harvested	44
6.6	Main Purpose of Crop Production, Quantity Produced, Sold and Value	45
6.7	Agricultural Inputs and Practices	47
6.8	Agricultural Services	52
Chapter 7 – Raising of Livestock and Poultry		56
7.1	Livestock and Poultry	56
7.2	Disposal of Livestock and Poultry	57
7.3	Veterinary Services Used	58
Chapter 8 – Aquaculture and Fishing.....		60
8.1	Aquaculture	60
8.2	Fishing	62
8.3	Quantity and Value of Catch	65
Chapter 9 – Supplemental Economic Activity in Household Agricultural Holdings		68
9.1	Domestic Forestry	68
9.2	Handicrafts	68
9.3	Main Source of Income.....	70
9.4	Loans	71
9.5	Drawbacks	71
Chapter 10 – Food Security and Effect of Climate Change/Disaster.....		73
10.1	Agricultural Holdings Reporting Food Security.....	73
10.2	Agricultural Holdings Affected by Climate Change / Disaster and Food Security	75
10.3	Impact of Climate Change and Disaster on Agricultural Holdings	77

10.4 Time Until Crop/Production Resumed After Impact of Climate Change and Disaster.....	79
Annex I: Detailed Statistical Tables	80
Detailed Statistical Tables for Chapter 4.....	81
Detailed Statistical Tables for Chapter 5.....	89
Detailed Statistical Tables for Chapter 6.....	95
Detailed Statistical Tables for Chapter 7.....	125
Detailed Statistical Tables for Chapter 8.....	131
Detailed Statistical Tables for Chapter 9.....	134
Detailed Statistical Tables for Chapter 10.....	142
Annex II: Survey Questionnaires	149

LIST OF FIGURES AND TABLES

Figures

Figure 1.1	Map of Solomon Islands.....	1
Figure 4.1	Agricultural Population Pyramid.....	16
Figure 4.2	Total Population Pyramid.....	16
Figure 4.3	Total Household Agricultural Holdings Population (10+ Years) by Employment Status.....	19
Figure 5.1	Percent of Area of Household Agricultural Holdings Engaged in Agricultural Activities by Size of Holding and Sex of Head of Household: 2017.....	26
Figure 5.2	Percent of Area of Parcels Under Homestead Land by Land Tenure and Province: 2017.....	35
Figure 5.3	Percent of Area of Parcels Under Other Separate Agricultural Land by Land Tenure and Province: 2017.....	35
Figure 6.1	Percent of Household Agricultural Holdings Involved in Cultivation / Harvesting of Food Crops, by Province: 2017.....	42
Figure 6.2	Percent of Household Agricultural Holdings Involved in Agricultural Practices, by Province: 2017.....	48
Figure 6.3	Average Weekly Transport Cost (\$SI) of Household Agricultural Holdings that Sell at Nearest Market, by Province: 2017.....	55
Figure 8.1	Percent of Household Agricultural Holdings Involved in Aquaculture by Type of Activity: 2017.....	61

Tables

Table 2.1	Province-wise Number of Wards, EAs, Households, Allocation of Samples (EAs and Households) and Response Rate for SINAS 2017.....	5
Table 4.1	Population and Households, by Province: 2017.....	15
Table 4.2	Estimated Population of Household Agricultural Holdings by Education Level and Sex, by Province: 2017.....	17
Table 4.3	Estimated Population (10+ Years) of Household Agricultural Holdings by Employment Status and Sex, by Province: 2017.....	19
Table 4.4	Estimated Population (10+ Years) of Household Agricultural Holdings by Sector of Employment and Sex, by Province: 2017.....	20
Table 4.5	Estimated Population (10+ Years) of Household Agricultural Holdings by Main Activity and Sex, by Province: 2017.....	22
Table 4.6	Estimated Population (10+ Years) of Household Agricultural Holdings by Activity in Holding and Sex, by Province: 2017.....	23
Table 5.1	Total Number and Percent of Household Agricultural Holdings by Type of Holding, by Province: 2017.....	24
Table 5.2	Area (hectares) of Household Agricultural Holdings by Size of Holding, Sex of Head, and Province: 2017.....	25
Table 5.3	Estimated Number of Household Agricultural Holdings Engaged in Subsector Activities, by Province: 2017.....	27
Table 5.4	Number of Household Agricultural Holdings by Sex of Head and Group of Parcels, by Province: 2017.....	28
Table 5.5	Number of Parcels in Homestead Land, by Size of Parcels and Sex of Head, by Province: 2017.....	29
Table 5.6	Number of Parcels in Other Separate Agricultural Land, by Size of Parcels, Sex of Head, by Province: 2017.....	30
Table 5.7	Number and Percent of Parcels in Homestead Land Reporting Main Use, by Type of Main Land Use and Sex of Head, by Province: 2017.....	31

Table 5.8	Area of Parcels (hectares) in Homestead Land, by Type of Main Land Use and Sex of Head, by Province: 2017.....	32
Table 5.9	Number of OSAL Parcels Reporting Main Use, by Type of Main Land Use and Sex of Head, by Province: 2017.....	33
Table 5.10	Area of Parcels (hectares) in OSAL Reporting Main Use, by Type of Main Land Use and Sex of Head, by Province: 2017.....	33
Table 5.11	Number of Major Crops by Number of Household Agricultural Holdings and Share of Area Planted.....	34
Table 5.12	Number and Area (hectares) of Homestead Land Parcels by Land Tenure and Sex of Head, by Province: 2017.....	36
Table 5.13	Number and Area (hectares) of OSAL Parcels by Land Tenure and Province: 2017.....	37
Table 5.14	Number of Parcels Owned in Homestead Land by Land Status and Documentary Evidence and Sex of Head, by Province: 2017.....	37
Table 5.15	Number of Parcels Owned in OSAL by Land Status and Documentary Evidence and Sex of Head, by Province: 2017.....	38
Table 5.16	Number and Percent of Household Agricultural Holdings Renting Land, Number of Parcels Rented and Area of Land Rented by Sex of Head, by Province: 2017.....	39
Table 6.1	Number and Percent of Household Agricultural Holdings Involved in Cultivation / Harvesting of Food Crops, by Province: 2017.....	41
Table 6.2	Total Area (hectares) Used for Existing Crops, by Province: 2017.....	42
Table 6.3	Total Area (hectares) Used for Existing Crops, by Crops: 2017 (10 Most Popular Crops by Land Size).....	43
Table 6.4	Total Number and Percent of Trees or Plants in Existing Crops, by Area Range: 2017 (Most Prominent Crops).....	43
Table 6.5	Total Area (hectares) of Existing Crops, by Method and Type of Planting: 2017 (Most Prominent Crops).....	44
Table 6.6	Number of Trees and Average Age (Years) of Coconut and Cocoa in Existing Crops, by Province: 2017.....	44
Table 6.7	Total Area (hectares) of Crops Harvested, by Province: 2017.....	45
Table 6.8	Most Prominent Crops Harvested: 2017.....	45
Table 6.9	Crops Most Harvested for Sale: 2017.....	46
Table 6.10	Harvested Crops with the Highest Sales Value, by Province: 2017.....	46
Table 6.11	Crops Most Harvested for Home Consumption: 2017.....	47
Table 6.12	Estimated Number and Percent of Household Agricultural Holdings Involved in Agricultural Practices by Province: 2017.....	48
Table 6.13	Number of Household Agricultural Holdings Using Machinery and Equipment, by Province: 2017.....	49
Table 6.14	Number of Household Agricultural Holdings Owning Machinery and Equipment, by Province: 2017.....	50
Table 6.15	Permanent Labourers Hours Worked and Wages, by Province: 2017.....	51
Table 6.16	Number of Group Labourers Hired by Average Days Worked, by Province: 2017.....	51
Table 6.17	Number of Group Labourers Hired by Average Hours Worked per Day, by Province: 2017.....	52
Table 6.18	Estimated Number of Agricultural Households Receiving Agricultural Extensions, by Province: 2017.....	53
Table 6.19	Number of Household Agricultural Holdings Receiving Agricultural Services, by Province: 2017	53
Table 6.20	Estimated Number of Household Agricultural Holdings Receiving Credit / Loans, by Province: 2017.....	54
Table 6.21	Number of Household Agricultural Holdings Selling at Markets by Distance, by Province: 2017.....	54

Table 7.1	Total Number of Household Agricultural Holdings Keeping Livestock, by Province: 2017.....	56
Table 7.2	Total Number of Livestock Kept by the Household Agricultural Holding, by Province: 2017.....	57
Table 7.3	Number of Each Type of Livestock Species Disposed for Consumption, by Province: 2017.....	57
Table 7.4	Number of Each Type of Livestock Species Disposed for Social Obligation, by Province: 2017.....	58
Table 7.5	Quantity and Value (\$SI) of Livestock Sold, and Average Price Per Unit (\$SI): 2017.....	58
Table 7.6	Number of Household Agricultural Holdings Using Vaccination, by Livestock Species: 2017.....	59
Table 8.1	Number of Household Agricultural Holdings Involved in Aquaculture, by Province and Type of Activity: 2017.....	60
Table 8.2	Number of Household Agricultural Holding Members and Hired Labour Engaged in Aquaculture Activities, by Province: 2017.....	62
Table 8.3	Total Number and Percent of Household Agricultural Holdings Engaged in Fishing, by Province: 2017.....	62
Table 8.4	Average Weekly Trips and Hours Engaged in Fishing, by Type: 2017.....	63
Table 8.5	Total Number and Percent of Household Agricultural Holdings Engaged in Fishing by Type of Habitat, by Province: 2017.....	63
Table 8.6	Total Number and Percent of Household Agricultural Holdings Engaged in Fishing by Species Harvested, by Province: 2017.....	64
Table 8.7	Total Number and Percent of Household Agricultural Holdings Engaged in Fishing by Time and Season, by Province: 2017.....	65
Table 8.8	Total Quantity (tonnes) and Value of Catch by Type of Fishing by Province: 2017.....	66
Table 9.1	Number of Household Agricultural Holdings Engaged in Handicraft Activities by Households in Group Production (percent range), Value of Finished Products Sold and Estimated Value of Product, by Province: 2017.....	68
Table 9.2	Proportion of Raw Materials Bought and Sold, Value of Raw Material Sold, by Province: 2017.....	69
Table 9.3	Number of Household Agricultural Holdings by Main Source of Income, by Province: 2017.....	70
Table 9.4	Amount and Main Purpose of Loans, by Province: 2017.....	71
Table 9.5	Household Agricultural Holdings by First, Second, and Third Choice of Drawbacks: 2017.....	72
Table 10.1	Number and Percent of Household Agricultural Holdings (out of Total Household Agricultural Holdings) that Reported Experiencing Food Insecurity, by Province: 2017.....	73
Table 10.2	Number and Percent of Household Agricultural Holdings Affected by Climate Change / Disaster, by Province: 2017.....	76
Table 10.3	Number of Household Agricultural Holdings by Time till Crop/Production Resumed After Impact of Climate Change and Disaster, by Province: 2017.....	79

List of Annex Tables

Table A4.1	Estimated Total Population by Relationship, by Province and Sex: 2017.....	81
Table A4.2	Estimated Population of Household Agricultural Holdings by Relationship, by Province and Sex: 2017.....	82
Table A4.3	Estimated Total Population by 5-year Age Group, by Province and Sex: 2017.....	83
Table A4.4	Estimated Population of Household Agricultural Holdings by 5-year Age Group, by Province and Sex: 2017.....	84
Table A4.5	Estimated Population by Education Level, by Province and Sex: 2017.....	85
Table A4.6	Estimated Total Population (10+ years) by Employment Status, by Province and Sex: 2017.....	86
Table A4.7	Estimated Total Population (10+ Years) by Main Activity, by Province and Sex: 2017.....	87
Table A4.8	Estimated Total Population (10+ years) by Activity in the Holding, by Province and Sex: 2017.....	88
Table A5.1	Area of Land Under Mixed Land Use, by Province: 2017.....	89
Table A5.2	Area of Household Agricultural Holdings (hectares), by Group of Parcels, by Province: 2017.....	90
Table A5.3	Area of Parcels (hectares) in Homestead Land, by Size of the Parcels, by Province: 2017.....	91
Table A5.4	Area of Parcels (hectares) in Other Separate Agriculture Land, by Size of the Parcels, by Province: 2017.....	92
Table A5.5	Number of Trees or Plants Growing in Homestead Land, by Province: 2017.....	93
Table A6.1	Total Area (hectares) used for Existing Crops, by Crop and Area Range: 2017.....	95
Table A6.2	Total Number of Trees or Plants in Existing Crops, by Crop and Area Range: 2017.....	96
Table A6.3	Total Area (hectares) in Existing Crops Method and Type of Planting, by Crop: 2017.....	98
Table A6.4	Total Number of Plants or Trees in Existing Crops by Method, Type of Planting and Number of Plants: 2017.....	99
Table A6.5	Total Area (hectares) Harvested, by Crop: 2017.....	100
Table A6.6	Total Number of Trees or Plants Harvested by Area, by Crop and Area Range: 2017.....	101
Table A6.7	Number of Agricultural Households Harvesting Crops by Purpose and Expected Attainable Yield: 2017.....	103
Table A6.8	Crops Harvested in the Last 12 Months by Quantity Sold and Value of Sale (\$SI), by Province: 2017.....	105
Table A6.9	Crops Harvested in the Last 12 Months by Quantity Produced (in KGs), by Province: 2017.....	107
Table A6.10	Crops Harvested in the Last 12 Months by Quantity Produced and Sold (in KGs), by Province: 2017.....	109
Table A6.11	Crops Harvested in Last 12 Months by Total Quantity Produced and Sold (in KGs) by Purpose of Production, by Province: 2017.....	111
Table A6.12	Crops Harvested in Last 12 Months by Quantity (KGs) in Current Stock, by Province: 2017.....	112
Table A6.13	Estimated Number of Household Agricultural Holdings Using Fertilisers, Pesticides and Irrigation, by Crop: 2017.....	113
Table A6.14	Estimated Number of Household Agricultural Holdings with Cropped Land under Protective Cover and Area (ha), by Province: 2017.....	115
Table A6.15	Estimated Number of Household Agricultural Holdings Using Rice Seeds, by Province: 2017.....	115
Table A6.16	Permanent Labourers Other Benefits and Occupation Status by Province: 2017....	116

Table A6.17	Number of Machinery and Equipment Used by Household Agricultural Holdings, by Province: 2017.....	117
Table A6.18	Number of Machinery and Equipment Owned by Household Agricultural Holdings, by Province: 2017.....	118
Table A6.19	Number of Machinery and Equipment on Private Lease by Household Agricultural Holdings, by Province: 2017.....	119
Table A6.20	Number of Machinery and Equipment from Government by Household Agricultural Holdings, by Province: 2017.....	120
Table A6.21	Number of Machinery and Equipment Used by Household Agricultural Holdings and Sources, by Province: 2017.....	121
Table A7.1	Total Number of Household Agricultural Holdings Owning Livestock by Type of Species, by Province: 2017.....	122
Table A7.2	Total Number of Livestock by Type of Species, by Province: 2017.....	123
Table A7.3	Total Number of Household Agricultural Holdings Owning Chickens by Ranges, by Province: 2017.....	124
Table A7.4	Total Number of Household Agricultural Holdings Owning Beef and Dairy Cattle by Ranges, by Province: 2017.....	124
Table A7.5	Number of Each Type of Livestock Species Sold, by Province: 2017.....	125
Table A7.6	Value of Each Type of Livestock Species Sold (\$SI), by Province: 2017.....	125
Table A7.7	Number of Each Type of Livestock Species Lost/Died, by Province: 2017.....	126
Table A7.8	Value of Each Type of Livestock Species Lost/Died (\$SI), by Province: 2017.....	126
Table A7.9	Household Agricultural Holdings using Castration by Livestock Species, by Province: 2017.....	127
Table A7.10	Household Agricultural Holdings using Artificial Insemination by Livestock Species, by Province: 2017.....	127
Table A8.1	Number of Households Involved in Aquaculture by Area Size (square meters), by Province: 2017.....	128
Table A8.2	Number of Households Involved in Aquaculture by Type of Water Used by Area Size (square meters): 2017.....	129
Table A8.3	Number of Households Involved in Aquaculture by Type of Production Facility, and Main Species Cultured, by Type of Aquaculture Activity: 2017.....	129
Table A8.4	Total Area (square meters) Used in Aquaculture Activity, by Province: 2017.....	130
Table A9.1	Total Number of Trees and Plants, by Province: 2017.....	131
Table A9.2	Total Number of Agricultural Households Growing Trees, by Main Use: 2017.....	132
Table A9.3	Number of Agricultural Households by Main Source of Loan by Province: 2017.....	134
Table A9.4	Amount Loaned (\$SI) by Agricultural Households by Main Source of Loan, by Province: 2017.....	134
Table A9.5	Number of Agricultural Households with Loans by Purpose of Loan, by Province: 2017.....	135
Table A9.6	Number of Agricultural Households by First Choice of Drawbacks, by Province: 2017.....	136
Table A9.7	Number of Agricultural Households by Second Choice of Drawbacks, by Province: 2017.....	137
Table A9.8	Number of Agricultural Households by Third Choice of Drawbacks, by Province: 2017.....	138
Table A10.1	Number of Household Agricultural Holdings by Level of Food Security, by Province: 2017.....	139
Table A10.2	Number of Agricultural Households Affected by Food Security & Climate Change/Disaster, by Province: 2017.....	140

Table A10.3	Number and Percent of Household Agricultural Holdings Affected by Climate Change/Disaster by Extent of Loss of Agricultural Output, by Province: 2017.....	142
Table A10.4	Impact of Climate Change and Disasters on Household Agricultural Holdings, by Province: 2017.....	144
Table A10.5	Impact of Climate Change and Disaster on Household Agricultural Holdings, by Province: 2017.....	145

FOREWORD

It is our great pleasure, on behalf of the Government of Solomon Islands (SIG), to welcome the findings of the '*Report on National Agriculture Survey 2017 (Volume 1)*'. This report presents the results of the first National Agriculture Survey (NAS) conducted in the Solomon Islands since the 1970s. It is an important development and statistical milestone for our nation.

The report is based on the findings of the survey targeting household farm holdings undertaken from July to October 2017 in all nine provinces including Honiara. Data were collected primarily on the agriculture sector while related data on economic activities such as livestock, fisheries, forestry and other supplementary information including the effects of climate change/natural disasters were also collected. The report presents key selected findings and summary tables while more detailed information disaggregated at provincial level would be available to users upon request.

In line with DCC government's policy strategy in supporting agriculture and livestock development, and the broader National Development Strategy (NDS), a key objective of the NAS was to obtain baseline data to support evidence-based decision-making, policy development, monitoring and evaluation of strategies and programmes, as well as supporting commercial investment in the agriculture sector. The data and findings will also support food security strategies, poverty alleviation, climate change and disaster management/response, and in addressing sustainable development goals.

We are reminded that in mid-2014, the Solomon Islands Cabinet recognised the need for an integrated and vibrant national statistical system (NSS) when it endorsed the development of the first ever National Statistics Development Strategy (NSDS) 2015-16 to 2035. The key goal of the NSDS is to ensure that the country's NSS is capable of regularly supplying timely and relevant statistics and indicators to support the growing demand for information in the effective delivery of public goods and services in our country.

This report is the result of strong partnerships and collaborative efforts between our government and our regional and international development partners. I am honoured that the SINISO with technical and funding support from our key technical assistance and development partners, have worked hard to undertake this survey, produce this report and release the results.

We are grateful to the leadership of Mr. Douglas Kimi, Government Statistician and Mr. Harry Kuma, former Permanent Secretary, Ministry of Finance and Treasury in the overall oversight of this project.

We would like to thank the United Nations Food and Agriculture Organisation (FAO), the Pacific Community (SPC), and the World Bank for technical assistance provided towards the NAS 2017 and the production of this report. I also take this opportunity to acknowledge the Australian Government Department of Foreign Affairs and Trade (DFAT) – Aid Program for their continued financial support towards the resident statistics advisory capacity within the SINISO in supporting this project.

We commend this report to the people of Solomon Islands.

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ACKNOWLEDGEMENTS

The National Agriculture Survey 2017 is a major undertaking and this report is a key product of collaborative work between the Solomon Islands Government and Development Partners in supporting the development of the agriculture sector and the broader national development aspirations of the Solomon Islands.

A number of people and organisations contributed to this analysis and are acknowledged, for without their valuable contributions, this report could not have been achieved. Firstly, we thank Dr. Lachlan McDonald (World Bank Consultant) who provided the initial draft of this report. We also acknowledge Dr. Darian Naidoo and Ms. Kristen Himelein from the World Bank for additional analysis and review.

We express our gratitude for the technical support from the FAO (Pacific Sub-Regional Office) namely Dr. Alessandro Romeo, Dr. Carla Fonseca Paris, Dr. Rasmiyya Aliyeva, and Ms. Rosemary Kafa (FAO Solomon Islands) for the initial project development and collaboration with the SINISO and MAL. We also thank Dr. Bimal Giri (FAO Consultant) for initial survey questionnaire development, training and draft tabulations and Mr. David Brereton (FAO Consultant) for valuable comments and suggestions.

The Pacific Community (SPC) is acknowledged for sampling design and initial data processing work by Bertrand Buffiere and Toga Raikoti. In addition, we sincerely thank Ms. Darcey Johnson (World Bank Consultant) for additional data validation and processing work undertaken on the data. We also thank Dr. Willie Lahari, Resident Statistics Advisor, for technical assistance and advice to the SINISO throughout the NAS 2017 including a review of the analysis.

Members of the NAS 2017 Stakeholder Committee and the Technical Working Committee whose names are listed separately below are recognised for their contribution in driving the NAS 2017 project from the initial development stages to the final report and going-forward into the dissemination of the results.

The SINISO is acknowledged for its strong leadership, guidance, management and implementation of the project. Special thanks must go to Mr. Douglas Kimi, Government Statistician, Mr. Michael Dimola, NAS 2017 Director, and the NAS 2017 Coordinators: Mr. Charles Oloka and Ms. Janet Oeta including all SINISO project staff, MAL Extension Officers, Enumerators and Supervisors who participated in the NAS 2017. Moreover, the former Permanent Secretaries Mr. Harry Kuma (MOFT) and Mr. Jimi Saelea (MAL) are also acknowledged for their administrative oversight at the ministry level.

Lastly, we would like to sincerely thank the people of Solomon Islands especially the selected households who have participated in the NAS 2017.

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EXECUTIVE SUMMARY

This report summarises the findings of the 2017 Solomon Islands National Agricultural Survey (SINAS) conducted by the Solomon Islands National Statistics Office (SINSO). It provides an insight into the agriculture sector, which dominates the Solomon Islands economy and is of vital importance to the culture, prosperity and well-being of Solomon Islanders. The non-logging agriculture and fisheries sector now constitutes 20.7 percent of GDP (Systematic Country Diagnostic, 2017). The National Development Strategy (NDS), identifies agriculture and fisheries as sectors for further development. In addition to detailing the agricultural structure of the country, therefore, the results of this survey provide an important baseline from which to formulate new agricultural development policies and programmes and evaluate their progress.

The survey focuses on the agriculture sector broadly, detailing agricultural holdings and land tenure as well as broad picture of the different economic practices undertaken by agricultural households, focusing on the application of inputs such as land, machinery, fertilisers, etc. and the particular crop and livestock outputs. It also examines the effect of climate change/natural disasters on food security – a particularly important insight given the acute vulnerability of agricultural households to the effects of climate variability.

Content of Report

The report is divided into ten chapters. Following the initial introduction in Chapter 1, Chapter 2 covers information about the scope, coverage, and sample design of the survey while Chapter 3 includes descriptions of key concepts and terms. The subsequent seven chapters summarise the findings of the SINAS 2017. Chapter 4 provides summary information about households in the survey, agricultural households and population following through with Chapter 5 covering agriculture holdings and land tenure. This section covers the size of agricultural holdings, as well as the main use, tenure and status of individual parcels. Chapter 6 details crop cultivation and harvesting, focusing on the area used for crops, the number of trees, the area of crops harvested and the inputs and outputs. Chapter 7 examines the raising of livestock and poultry, focusing on a variety of different livestock types. Chapter 8 looks at aquaculture and fishing activities, including the time spent fishing, the species harvested and the seasons. Chapter 9 provides information on the supplemental economic activity in agricultural households, including forestry, handicrafts and other sources of income. Chapter 10 examines the food security the effect of climate change and natural disasters on the food security situation of agricultural households. Key tables are included in the body of the report while supplementary data tables are included in the technical annex.

Agricultural Holdings and Land Tenure

The results show the near ubiquitousness of agriculture in the Solomon Islands. Nationwide, 92 percent of the population is engaged in agriculture in some way, with rates as high as 95 percent in Malaita, Makira, Isabel, Isabel, Central and Rennell Bellona Provinces. The capital Honiara has the least agricultural population, though is still high with 79 percent.

Of the estimated 111,117 agricultural holdings nationwide, 93,933 holdings (85 percent) are individual holdings, while a further 15 percent are family holdings. Male-headed households account for 87 percent of all holdings.

In total, it is estimated that there are 1,158,700 hectares of agricultural holdings, accounting for around 40 percent of the total landmass of Solomon Islands. Homestead land accounts for an

estimated 476,537 hectares, or around two-fifths of total agricultural land, while other separate agricultural land (OSAL) accounts for the remaining 682,164 hectares.

Agricultural land is divided into an estimated 354,508 separate parcels, comprising 112,655 parcels of homestead agricultural land and a further 241,853 parcels of OSAL. It is common for agricultural holdings to include multiple parcels of land and half of all holdings have between two and three parcels. In most provinces, the profile of homestead land tends to be a combination of smaller parcels of less than one hectare as well as parcels between 10 and 20 hectares. The average homestead parcel size is around five hectares. The large majority of OSAL tends to be a combination of smaller parcels – generally fewer than four hectares. Roughly, the average parcel size of OSAL is 1.9 hectares.

Across the country, almost all of the 112,655 homestead parcels include residential buildings. In addition, more than half of homestead parcels nationwide are used for home gardens. OSAL also has varying uses, including the production of crops, animal yards and farming. The main use of OSAL, however, is crop production.

Agricultural land can be held under a number of different tenure arrangements, including ownership, lease agreements of varying time frames, and customary arrangements. Homestead land is generally owned or held in customary tenure, with leasing arrangements relatively rare. Similarly, OSAL also tends to be owned or held in customary tenure, though the profile is tilted more toward customary arrangements in almost all provinces. Documented recognised evidence of customary ownership over homestead land is evident in around half of all cases, though less than one-third in Choiseul and Temotu.

Agricultural production

Nationwide, an estimated 108,508 agricultural households were involved in either the cultivation or harvesting of food crops in the 12 months prior to the survey. The most prominent crop being cultivated was kumara, which occupies around 16 percent of the available cropping land. The most common existing crops by the number of trees planted tend to be staple foodstuffs. Of these, almost all kumara, cassava and taro plants are planted on small plots, less than two hectares. Nationwide, the average age of coconut trees is 31 years while the average age of the cocoa crop is 14 years.

Of the estimated total 53,883,971 kilograms of crop harvested in 2017, 21,338,433 kilograms of harvested crop were sold for a total value of SI\$353,822,283. Cocoa is produced by agricultural households almost entirely for sale, while a number of other foods, including Chinese cabbage, cucumber, and peanut, as well as non-foodstuffs such as betelnut, are also produced almost entirely for sale.

In line with harvesting patterns, coconut, betelnut, cocoa, cassava and kumara were the most lucrative crops, though each yielded only slightly more than half of the expected attainable yield in sales. In large part, this reflects the fact that much of the harvested crop was not sold, which may be due to home consumption or other reasons.

Agricultural households used a number of productivity-enhancing techniques, including fertilisers and pesticides throughout the year, though not in large numbers. Similarly, a relatively small share of households used irrigated land.

The survey captured information on the machinery and equipment used in the production process by agricultural households as well as the sources of those assets. Smaller pieces of

equipment, such as rotary hoes, chainsaws and knapsack sprayers were the most commonly used items and tended to be owned and operated by agricultural households. When required, households instead tended to lease larger machinery such as tractors.

An estimated 687 permanent labourers were employed in agriculture, of which 63 percent were male. In addition, an estimated 10,626 agricultural households hired a total of 73,458 group labourers throughout 2017. Of these, 61 percent were male workers. Group labourers tended to be hired for between two and five days.

In all, an estimated 4,006 agricultural households received extension services nationwide, with around half of these receiving support from the government and one-quarter from non-government organisations (NGOs). 590 households received credits or loans to support operations of the agricultural holding.

In general, the nearest market for most agricultural households required less than half an hour of travel; though there is variation between provinces. The primary means of accessing markets was on foot, followed by using vehicles / motorcycles / bicycles. In general, households in Central and Guadalcanal Provinces reporting being the farthest away from markets. The combination of large distances and vehicle costs results in Guadalcanal having the highest average weekly transport cost, SI\$4,831,958 (an average of SI\$297 per household that sells at the nearest market).

An estimated 43,156 agricultural households kept livestock in 2017. The most common form of livestock raised are chickens – both domestic and non-domestic breeds – and pigs, both of which are generally kept in large numbers in most provinces. Pig sales contributed more than two-thirds of the total estimated SI\$67,362,206 generated in sales from livestock and poultry. In aggregate, more livestock and poultry were slaughtered for home consumption than used in social obligations.

Aquaculture and Fishing

Aquaculture is a relatively small sector involving only an estimated 955 households. Where it exists, pond culture is the dominant form of aquaculture, culturing fish in fresh water and at a small scale – in ponds less than 20 square metres in size. An estimated 6,403 people are engaged in aquaculture, including 4,558 men and 1,845 women.

The survey reveals the importance of fishing. In total, an estimated 41,643 households were engaged in fishing activities in 2017, accounting for 37 percent of all agricultural households. Across the country, fishing is largely undertaken for home consumption, occasional sale and social obligations. An estimated 207,679 fishing trips are taken each week, on average, nationwide, with males accounting for an estimated 84 percent of all fishing hours.

Reflecting the fact that much of the time fishing is spent in reef flats, reef slopes and open sea habitats, reef finfish, tuna and pelagic fish are the species that households focus most on harvesting. Fishing activities tend to occur at both day and night and generally all year round.

The estimated total quantity of catch in 2017 was 1,045,993 kilograms, worth an estimated SI\$16,286,484. The volume of the total nationwide catch was 24 percent of the estimated 4,414,896 kilograms quantity attainable (a measure of the potential catch), a value approximated by respondents as part of the questionnaire.

Supplemental Economic Activity in Agricultural Households

The survey also provides information on the supplementary economic activities undertaken by agricultural households that use agriculturally based products. Agricultural households indicated that they domesticate the local forest resources for a variety of purposes. The most prominent use of trees and shrubs is for food and/or income, followed by marking boundaries.

Households also add value to raw local forestry resources by turning them into handicrafts for sale. In total, an estimated 13,707 households engaged in handicrafts; of which nearly 40 percent did so as part of group production. The total value of handicrafts sold in 2017 is estimated at SI\$8,595,961. In general, handicrafts tended to be produced with little, if any, purchased raw materials as inputs for handicrafts. A notable exception was the urban province of Honiara, where households purchased a relatively large share of inputs. Collectively the sale of raw materials for handicrafts in 2017 amounted to SI\$2,394,190.

Agricultural households were asked to nominate their main source of income for the past 12 months from among a list of possible income sources. The results indicate that agricultural incomes are based on two main sources: growing crops (nominated as the primary source by 47 percent of households) and paid work on non-agricultural occupations (nominated by a further 27 percent of households). The latter was primarily a feature of the urban province Honiara.

A small number (0.5 percent) of households accessed agricultural credit. The total amount of debt was estimated to be SI\$3,297,859 with the average loan size SI\$6,282. The majority of households that had a loan secured it from a savings club, while a further one-quarter of households had accessed their loans from Bank of South Pacific (BSP).

Households were asked about the major constraints that restrict the different forms of agricultural production in the Solomon Islands. In general, the key constraints to greater production output identified were the lack of production inputs, technology/infrastructure and finance.

Food Security and Effect of Climate Change/Disaster

The survey aims to measure agricultural households' experiences of food insecurity in the 12 months prior to the survey, and its severity, by measuring eight behaviours and experiences that are typically associated with food insecurity. All provinces recorded some level of food insecurity, including in its most severe form. Choiseul, Temotu and Guadalcanal tended to have the greatest share of households reporting food insecurity, across most (though not all) measures. Makira was consistently the province with the least reported food insecurity for most indicators.

The survey also captures the impact of specified natural disasters on households' food security. This includes major climatic and physical events, as well as major pest attacks. A household may have suffered because of more than one disaster. In general, shock experience among agricultural households was widespread and distributed across all provinces, though the highest rates of shock experience were recorded in Guadalcanal, Malaita and Makira. An estimated 18,697 households experienced a hydrometeorological events (e.g., storms, floods etc.) while an estimated 5,671 households experienced climatological events (e.g., drought, wildfire etc.) Non-climate-related natural disasters (e.g., earth-quakes, volcano eruptions, tsunamis etc.), were experienced by an estimated 2,459 agricultural households while an estimated 5,872

households experienced Biological disasters (for example, by the African snail or the Rhinoceros beetle).

In general, climatic and other natural disasters had an adverse effect on agricultural households. Non-climate related disasters were most likely to create “severe” impacts on agricultural households (measured as a fall in total agricultural output of more than 40 percent). An estimated SI\$12,487,321 was lost from the value of agricultural output nationwide as result of climate and disasters. Transport costs increased by an estimated SI\$716,593, while SI\$92,937 worth of equipment and machinery and SI\$2,167,469 worth of buildings were adversely affected or destroyed. Tragically, these shocks also resulted in the loss of human life in at least one area.

In general, the agricultural areas affected by disasters were able to resume within a relatively short timeframe, with 14,384 of the 18,697 households that experienced a hydro-meteorological event were able to restart within two months.

**i. Composition of the Steering and Technical Committees for the Solomon Islands
National Agriculture Survey 2017**

STEERING COMMITTEE MEMBERS

Mr. Douglas Kimi	Government Statistician, SINSO	(Co-Chair)
Ms. Rosemary Kapa	Assistant Representative, FAO Solomon Islands	(Co-Chair)
Mr. Michael Dimola	Project Director and Chief Statistician (Ag), SINSO	Member
Mr. Charles Oloka	Project Coordinator, National Agriculture Survey Project	Member
Ms. Loyce Pabulu	Principal Statistician, SINSO	Member
Dr. Willie Lahari	Statistics Advisor, SINSO	Member
Mr. Simon Iro	Deputy Director, MAL	Member
Mr. Daniel Rove	Director, Social Services, MDPAC	Member
Mr. Selwyn Takana	Director, Economic Reform Unit, MOFT	Member
Mr. Herald Amiki	Project Accountant, National Agriculture Survey Project	Member
Mr. Henry Zimbo	Project Manager, NSDS, SINSO	Member
Ms. Karrie Jionisi	Communications Officer, NSDS, SINSO	Member
Ms. Anastasia Taghanepari	Secretary, NSDS, SINSO	Member

TECHNICAL WORKING COMMITTEE MEMBERS

Mr. Douglas Kimi	Government Statistician, SINSO	(Chair)
Mr. Simon Iro	Deputy Director, Planning and Land Use, MAL	(Vice Chair)
Mr. Michael Dimola	Project Director and Chief Statistician (Ag), SINSO	Member
Mr. Charles Oloka	Project Coordinator, National Agriculture Survey Project	Member
Ms. Loyce Pabulu	Principal Statistician, SINSO	Member
Dr. Willie Lahari	Statistics Advisor, SINSO	Member
Dr. Bimal Giri	FAO Consultant	Member
Mr. Noel Roposi	Director, Planning and Land Use, MAL	Member
Mr. Franklyn Wasi	Planner, Planning Division, MAL	Member
Mr. Andrew Melanolu	Deputy Director, Extension Services, MAL	Member
Mr. Jimmy Walton	Planner, Land Use, MAL	Member
Mr. Michael Ho'ota	Director, Extension Services, MAL	Member
Mr. Francis Tsatsia	Director, Biosecurity	Member
Mr. Herald Amiki	Project Accountant, National Agriculture Survey Project	Member
Mr. Raphael Aipaina	Statistician, Surveys and Census, SINSO	Member
Mr. Joseph Naesol	Statistician, Special Services, SINSO	Member
Ms. Anterlyn Tuzakana	Statistician, Social and Population, SINSO	Member
Ms. Anna Pitaboe	Statistician, Social and Population, SINSO	Member
Mr. Henry Zimbo	Project Manager, NSDS, SINSO	Member
Ms. Karrie Jionisi	Communications Officer, NSDS, SINSO	Member
Ms. Anastasia Taghanepari	Secretary, NSDS, SINSO	Member
Ms. Emma Nugent	AVI Volunteer, SINSO	Member

ii. Summary Indicators

SUMMARY OF SELECTED INDICATORS

Agricultural Households and Population		
Number of households with agricultural holdings		111,117
Estimated population of households with agricultural holdings		589,294
Average household size of households with agricultural holdings		5.3
Percentage of male-headed households		86.7%
Percentage of female-headed households		13.4%
Mean age of population		24.2
Dependency Ratio ¹		74.2
Percentage of household-heads with graduate-post graduate qualifications		17.1%
Percentage of household-heads with primary-secondary graduate qualifications		72.6%
Agricultural Holdings and Land Tenure		
Number of household agricultural holdings		111,117
Total area of all household agricultural holdings (hectares)		1,158,700
Number and Area of Household Agricultural Holdings, By Size		
Size	Number of Household Agricultural Holdings	Area (ha)
<0.999 hectares	35,730	9,870.92
1.0-3.999 hectares	27,598	56,436.29
4.0-9.999 hectares	18,431	115,893.57
10.0-19.999 hectares	18,956	273,625.89
20.0-49.999 hectares	8,353	230,903.01
50.0-99.999 hectares	935	59,222.44
100+ hectares	1,115	412,748.80
Agricultural Holdings and Land Tenure		
Total area of non-agricultural household holdings (juridical holdings)		N/A
Number of household agricultural holdings with homestead land		111,021
Number of household agricultural holdings with other separate agricultural land		92,905
Percentage of households engaged in agricultural activity on homestead land		62.4%
Percentage of households engaged in growing crops on other separate agricultural land		81.7%
Total number of land parcels		354,508
Average number of parcels per household agricultural holding		3.19
Average area per parcel in household agricultural holdings (hectares)		3.27
Average area of all household agricultural holdings (hectares)		10.4
Average area of household agricultural holding with homestead land (hectares)		4.46
Average area of household agricultural holding with other separate agricultural land (hectares)		9.53
Percentage of household agricultural holdings of size less than 1.0 hectares		32.1%
Percentage of area occupied by household agricultural holdings of size less than 1.0 hectares		0.9%
Percentage of household agricultural holdings of size 20.0 hectares or more		9.4%

¹ In accordance with the 2009 Census of Population and Housing, the dependency ratio is calculated as the number of dependents aged <15 and >59 compared with the total "working-age" population aged 15-59.

Crop Cultivation and Harvesting			
Land area under crop (hectares)			181,137
Crops and Land Use			
Major Crops	Number of Household Agricultural Holdings	Area (ha)	Share (%) of Area Planted
Coconut	38,296	28,104.35	15.5%
Cocoa	17,847	18,987.57	10.5%
Major Vegetables/Root Crops			
Kumara	78,133	26,809.09	14.8%
Cassava	74,076	24,313.08	13.4%
Slippery Cabbage	44,272	7,069.74	3.9%
Taro	46,390	5,296.14	2.9%
Eggplant	12,222	5,165.54	2.9%
Major Fruits			
Pomelo	1,398	10,467.87	5.8%
Carabola (Star fruit)	5,645	2,773.36	1.5%
Banana	60,469	7,684.20	4.2%
Pawpaw	17,300	1,568.18	0.9%
Bread Fruit	5,190	1,371.83	0.8%
Agriculture Inputs & Services			
Percentage of agricultural households using inorganic fertilisers			4.0%
Percentage of agricultural households using organic fertilisers			3.5%
Percentage of agricultural households using pesticides			2.0%
Percentage of agricultural households receiving extension services from government			3.6%
Percentage of agricultural households receiving agricultural information from the radio			30.8%
Percentage of agricultural households reported to be aware of the location of nearest market			81.7%
Percentage of agricultural households accessing credit/loans for agricultural activities			0.5%
Raising of Livestock and Poultry			
Percentage of agricultural households keeping or raising livestock and/or poultry			38.8%
Percentage of agricultural households keeping and rearing poultry			18.7%
Percentage of agricultural households keeping and raising livestock			29.7%
Percentage of agricultural households keeping and raising pigs			29.6%
Percentage of agricultural households keeping and raising beef-cattle			0.2%
Percentage of agricultural households keeping and rearing chickens			18.3%
Aquaculture and Fishing			
Percentage of agricultural households engaged in fishing			37.5%
Percentage of agricultural households engaged in aquaculture			0.9%
Percentage of agricultural households engaged in fishing mainly for sale			2.8%
Percentage of agricultural households reported to use gillnet and cast net for fishing			5.5%

Supplementary Economic Activity in Agricultural Households	
Percentage of agricultural households engaged in handicraft activities	12.3%
Percentage of agricultural households engaged in forestry activities	49.6%
% of agricultural households engaged in forest-related activities for source of food/income	28.7%
% of agricultural households engaged in forest-related activities for timber (houses, fences, poles)	12.5%
% of agricultural households engaged in forest-related activities for boundaries	10.2%
Food Security	
Percentage of agricultural households who:	
...were worried that they would run out of food because of a lack of money or other resources	56.6%
...were unable to eat healthy and nutritious food because of a lack of money or other resources	41.5%
...ate only a few kinds of food because of a lack of money or other resources	41.4%
...had to skip a meal because there was not enough money or other resources to get food	33.3%
...ate less than they thought they should because of a lack of money or other resources	31.5%
...ran out of food because of a lack of money or other resources	22.1%
...were hungry but did not eat because there was not enough money or other resources for food	14.2%
...went without eating for a whole day because of a lack of money or other resources	8.1%
Effect of Climate Change/Natural Disaster	
% of agricultural households affected by a hydro-meteorological event (e.g. storms, floods, etc.)	16.8%
% of agricultural households affected by a climatological event (e.g. drought, wildfire, etc.)	5.1%
% of agricultural households affected by non-climatic-related natural disasters (e.g. earthquakes)	2.2%
% of agricultural households affected by biological disasters (e.g. African snail, Rhinoceros beetle)	5.3%
% of agricultural households who were affected by other disasters (e.g. epidemics)	12.0%
Total land area of household agricultural holdings affected by climate and natural disasters (hectares)	619,997
Estimated total value of agricultural output lost as a result of climate and disasters	\$21,524,423

iii. Acronyms and Abbreviations

BSP	Bank of South Pacific
DCC	Democratic Coalition for Change
DFAT	Department of Foreign Affairs and Trade
EA	Enumeration area
ECE	Early childhood education
EEZ	Exclusive economic zone
FAO	Food and Agriculture Organisation of the United Nations
FSU	First stage unit
GDP	Gross Domestic Product
HH	Household
HIES	Household Income and Expenditure Survey
MAL	Ministry of Agriculture and Livestock
MDPAC	Ministry of Development Planning and Aid Coordination
MOFT	Ministry of Finance and Treasury
MTDS	Medium Term Development Strategy
NAS	National Agriculture Survey
NASP	National Agriculture Survey Project
NDS	National Development Strategy
NDP	National Development Plan
NGO	Non-government Organisation
NSDS	National Statistics Development Strategy
NSS	National Statistical System
OSAL	Other separate agricultural land
PPS	Probability proportional to size
PSU	Primary sampling unit
SDG	Sustainable Development Goals
SI	Solomon Islands
SIG	Solomon Islands Government
SINAS	Solomon Islands National Agricultural Survey
SINSO	Solomon Islands National Statistics Office
SPC	Secretariat of the Pacific Community

Chapter 1 - Introduction

1.1 Geography

The nation of Solomon Islands covers a land area of 28,000 km² and is located in the southwest Pacific, from the east of Papua New Guinea and northeast of Australia, with islands spread from the northwest to southeast direction. The nation comprises a double chain of six large islands (Choiseul, Santa Isabel, New Georgia, Guadalcanal, Malaita and Makira) including about 997 smaller islands and an exclusive economic zone (EEZ) covering 1,340,000 km².

The islands were formed geologically by tectonic developments, volcanic activity and reef creations and remain relatively young in composition. The geomorphologic nature of the islands comprises atolls, mountains and capped volcanoes. The islands encompass major fringe reef systems that border many of the larger islands. Tropical rainforest covers most of all the major islands while the smaller islands comprise of a mix of rainforest and littoral forest, depending on their physical size. The flora of the Solomon Islands is estimated to contain more than 3,000 vascular species.

Figure 1.1 Map of Solomon Islands



1.2 Climate and Natural Disasters

The Solomon Islands has a tropical climate, often humid and wet, with an average temperature of 27°C and average annual rainfall of 3,000-5,000mm, depending on elevation and topography. Cyclones often occur between December and April. The combined effects of high rainfall and temperature along steep slopes have resulted in chemically weathered volcanic and

coralline-based soils, except on levelled areas and alluvial plains. There are many rivers on all the larger islands. In limestone areas, the rivers often flow through underground caverns for long distances. Given that the Solomon Islands is part of the Pacific 'Ring of Fire', seismic activity is frequent with occurrences of earthquakes.

1.3 Population and Economy

Although the annual population growth rate of 2.3 percent was recorded in the 2009 Census of Population and Housing, an adjustment (8.3 percent undercount) brought the annual population growth to 3.0 percent. This is significantly high by both regional and international standards and has implications for development planning and service delivery. The National Agricultural Survey estimated the population to be nearly six hundred and forty thousand in 2017, representing an average annual increase of 2.72% since the 2009 Census of Population and Housing. The majority (80 percent) of the population live in the rural areas and many depend on agriculture, fishing, and forestry activities to sustain their livelihoods.

Agriculture production in 2017 was estimated at about SI\$800 million in real terms accounting for 17 percent of real GDP. The combined value of the Agriculture, Forestry and Fishing industry is estimated at SI\$1.6 billion in real terms making up one-third of GDP. The economy relies heavily on natural resource exports such as timber, fish, copra, palm oil, cocoa, coconut oil and gold. In 2017, the total value of all agriculture exports was estimated at SI\$600 million accounting for 11 percent of total exports.

Forestry resources are of prime importance to the economy. Forestry exports (mainly logs) account for the highest share (65 percent) of total exports in 2017, recording 10 percent growth from 2016. The majority of the rural population depend on forests and forestry products for their basic needs such as building materials, timber, medicines, oils, and firewood, etc.

1.4 History of Agriculture Surveys and Censuses

There have not been any official nationwide surveys or censuses on agriculture activities undertaken before or after independence in 1978. Accordingly, the Solomon Islands National Agriculture Survey (SINAS) 2017 is the first-ever nationwide agricultural survey. Although there have been surveys and studies undertaken in agriculture in the past, these were ad-hoc in nature, limited in scope, and only served specific purposes at the time.

The Solomon Islands National Statistics Office (SINSO) managed to collect limited data on agriculture and related activities from the National Population Census (1959, 1970, 1976, 1986, 1999, 2009), the 2006/07 Household Income and Expenditure Survey (HIES) and the 2012/13 HIES. Related agriculture data was obtained through SINSO's annual mail-based business surveys that focused on formal businesses that included agriculture business enterprises. A combination of policy focus in the past and the lack of resources both in funding and technical support was a key factor limiting the conduct of a national survey or census on agriculture. Since independence, the Ministry of Agriculture and Livestock's (MAL) policies continued from its colonial emphasis on cattle, coconut, and cocoa without must diversification. In the last decade, and immediately after the conflicts in early 2000s, the MAL has begun the process of reviewing its policies to support efforts towards developing the agriculture sector.

1.5 Policies

At the formation of the Democratic Coalition for Change (DCC) Government in 2015, one of the key policy objectives (4.2.2.1) was to (a) facilitate and support the development of

commercial agriculture and (b) conduct a National Agriculture Census. This policy objective was translated into the country's Medium-Term Development Strategy (MDTS) and the National Development Plan (NDP) by the Ministry of Development Planning and Aid Coordination (MDPAC).

In line with the DCC government policy, the MDTS and the NDP, MAL and the Food and Agriculture Organization of the United Nations (FAO) began the process to develop a new Agriculture Sector Plan. A key component of this plan was to undertake an Agriculture Census. During the same time, the SINSO began to develop its first ever National Statistics Development Strategy (NSDS) 2015-16 to 2035 endorsed by Cabinet in 2014. Within the NSDS, a key objective was to undertake a National Agriculture Census/Survey. This was in line with the MDTS, NDP and MAL's policy focus. After deliberations between MAL and SINSO, both agencies agreed to conduct a first agriculture survey rather than a census due to funding constraints.

Chapter 2 - Scope, Coverage and Sample Design

2.1 Objective of Solomon Islands National Agriculture Survey 2017

Despite agriculture's obvious importance to the Solomon Islands, information on the sector is thin and no comprehensive data on agriculture has been collected in the 2009 Census of Population and Housing or any previous nation-wide surveys. The Census collected some information on households' participation in agricultural activity, but is not sufficient to reveal the specific structure of agriculture and its various practices.

In light of these data limitations, the SINAS 2017 provides benchmark data on the structure of agriculture as well as of aquaculture, fisheries and the use of forest trees within the farming system. By estimating the size and scope of agriculture in the Solomon Islands, the aim of the SINAS 2017 is to provide an important baseline from which to support strategic plans and programmes on agricultural development and evaluate their progress, as well as support the development of agricultural indicators for the Sustainable Development Goals (SDGs).

2.2 Approach

The SINAS 2017 was conducted in July 2017 as part of the National Agriculture Survey Project 2016/17 (NASP 2016/17) led by the Ministry of Finance and Treasury. Authority for the survey rested with the Government Statistician of SINSO, who has the legal power to collect such information under the Statistics Law, as amended in 2007. Technical support was provided by the Secretariat of the Pacific Community (SPC), FAO and the World Bank.

2.3 Sampling

A two-stage stratified sampling procedure was used to select the sample households for survey. Each of the ten provinces including Honiara was treated as separate stratum in order to provide estimates for the provinces.

The sample frame came from the 2009 Census of Population and Housing. From each stratum, 176 of the census Enumeration Areas (EAs) were selected as the primary sampling units (PSU) using probability proportional to size (PPS) (based on the number of households). An EA is an area defined for the survey, delimited by natural or artificial boundaries (river, seaside, road) containing between 50 and 150 households.

In the second stage, a target of 24 agricultural households were selected from each PSU. In the (likely) event there were more than 24 eligible households, within a given EA, households were selected using systematic sampling with a random start. A nationally representative sample of 4,224 households were ultimately selected for survey. The number of EAs as per 2009 Census, number of EAs as per census and selected for survey, number of households as per census and number of households selected is given in **Table 2.1**.

Table 2.1 Province-wise number of Wards, EAs, Households, Allocation of Samples (EAs and Households) and Response Rate for SINAS 2017

Province	Province Code	Number of Wards	Total number of EAs based on 2009 census	Number of EAs allocated and selected	Total number of HHs based on 2009 census	Number of HHs allocated for survey	Number of HHs selected for survey*	Response Rate (%)
Choiseul	1	14	62	16	4,712	384	480	100
Western	2	26	207	24	13,762	576	720	99
Isabel	3	16	67	16	5,143	384	480	97
Central	4	13	71	16	4,905	384	480	100
Rennell Bellona	5	10	11	8	688	192	240	100
Guadalcanal	6	22	256	24	17,163	576	720	96
Malaita	7	33	439	24	24,421	576	720	99
Makira	8	20	99	16	7,173	384	480	100
Temotu	9	17	64	16	4,303	384	480	94
Honiara	10	12	150	16	8,981	384	480	100
Solomon Islands		183	1,426	176	91,251	4,224	5,280	99
* Selection of households has been increased by 25%, in case of replacement (refusal, household not available, etc.).								

The sampling unit is the agricultural farm holdings. For the household sector, agricultural holdings are captured through agricultural farm households also referred to as household agricultural holdings. Much of the household sector tends to only have one farm holding. Accordingly, farm holdings and agricultural farm households will be the same in most locations. Within each selected EA, information was gathered on all households so as to identify farm households, from which the sample of 4,224 agricultural households that met the description of an agriculture farm holding could be drawn.

While the survey aimed to cover all agricultural holdings, the non-household farming sector within selected EAs could not be identified from selected households surveyed. This includes business farms as well as institutional farming activity, including religious institutions, cooperatives/community and educational institutions.²

The very high response rate indicate a highly successful survey operation with the majority of the households responding favourably and meeting all survey requirements (**Table 2.1**).

2.4 Geographical Coverage

The entire country, including its rural and urban areas, is covered in the survey.

² Data on the non-household farming sector (including business farm enterprises and institutional farming activities) is collected in a separate but supplementary survey to be released separately to this agricultural household report.

2.5 Scope of Survey

The SINAS 2017 survey covers all households and agricultural holdings in the Solomon Islands. This includes holdings of households as well as non-residential farming activity. Specifically, the survey captures information on the following topics:

- i. Engagement of subsectors of agriculture;
- ii. Household membership demographic, economic information, food insecurity and effects of natural disasters;
- iii. Land use, area by tenure and location, animal yard, fallow and other land use;
- iv. Area under perennial crops, annual crops;
- v. Number of trees in holdings and home garden;
- vi. Food crops cultivation, including crops still growing, crops harvested, production, sale, etc;
- vii. Agricultural practices and services received;
- viii. Engagement in farming community;
- ix. Livestock, including number of heads, livestock disposal and veterinary services;
- x. Aquaculture, including type of aquaculture, main purpose of aquaculture, species harvested and habitat type of aquaculture;
- xi. Fishery, including type of fishing, main purpose of fishing, species harvested and habitat type of fishing;
- xii. Forestry, including intended use of trees and shrubs;
- xiii. Handicrafts, including proportion of raw material used from household and estimate of product value of feast;
- xiv. Agricultural labour and machinery;
- xv. Main source of income and loan for all subsectors;
- xvi. Opinion of holders on drawbacks that impedes agriculture;
- xvii. Food insecurity (collected for households only);
- xviii. Effects of climate change/natural disaster, and
- xix. Impact of climate change/disaster.

2.6 Survey and Reference Period

Two forms were developed for the survey.

Form 1 was used to list all houses and households residing in the sample EA as well as all institutional farms. It captured information on household size (for households only), land possessed (measured in hectares), and baseline questions on whether any crops/plants grown, livestock raised and poultry birds kept.

Form 2 captured information on the particulars of agricultural activity from the selected sample of agricultural farm households and institutional farms. Particulars of interest include: household demographic and economic information; main or usual activity being done or engaged in by each household member 10 years old and over; use of land at time of visit; food crops; agricultural practices; and experience of climate change, natural disasters and food security. Information on food insecurity was only collected from households.

The reference period for agricultural activities, including crops grown, crops harvested, assets held, expenses incurred, sales made, livestock disposed, events experienced, etc. is the past 12 months. In the case of total land possessed (i.e. land owned *plus* land leased in *less* land leased out *plus* land otherwise possessed) plot/parcel of lands held for most of the reference period (last 12 months) are included in the survey.

When recording the principal economic activity in which a person was employed, the past week is used as the reference.

2.7 Survey Procedure

Enumerators listed the houses and households within each EA. If available, the house listing for the SINAS 2017 mirrored the order in the 2009 Census. If the census order of house listing was not available, enumerators started in the northwest corner of the first stage unit (FSU) and proceeded southwards in serpentine order.

Enumerators first ascertained the approximate present population of the entire sample FSU taking into consideration the normal growth of population along with any abnormal influx of population into or exodus of population from the sample FSU by asking knowledgeable persons in the community

The survey was completed via a face-to-face interview and data collected via a paper questionnaire. Attempts were made to interview privately with the head of the household/organisation or any responsible member of the household/organisation who can accurately answer the questions. Group interviewing was avoided. Interviews tended to be held early in the morning or in the evening from Monday to Saturday. No interviews were held on Sundays.

2.8 Field Operations

Trainers/Supervisors for the survey were identified and selected from the staff of the Ministry of Finance and Treasury, and SINSO. In addition, 66 enumerators were recruited in May 2017, with minimum qualifications, to cover the household interviewing operations. These enumerators were supervised by 22 supervisors. All provinces were divided into administrative wards and then into EAs, as in the last 2009 Census of Population and Housing, and selected households within selected EAs were interviewed. The actual survey of households occurred between July and October 2017. On average, each team took one week to survey one EA (i.e., 24 household surveys), including journey time.

2.9 Data Processing

Initial data processing was done by the SPC using CSPro software. Data entry was done in the field using software developed by SPC.

Subsequent general checks and cleaning was undertaken by the World Bank to ensure each eligible household/individual/line item was present in the dataset and there were no duplicates.

For missing variables, single imputation was conducted using appropriate predictor variables and within applicable sub-groups for variables with missing values. When all values in a section were missing for a particular household, no values were imputed as the section was missing in its entirety for that household. In addition, a few variables had too many missing values to be reliably imputed; thus, these remain in the dataset as missing.

2.10 Advocacy Plan

The advocacy plan will be implemented as part of the National Statistics Development Strategy (NSDS) 2015-16 to 2035. The SINSO, in collaboration with the MAL, will disseminate the findings of the SINAS 2017 across the nation; including all related statistical products such as fact sheets, CDs, special tables, etc. The advocacy plan will coincide with an official launch of

the report and findings in the form of a workshop in Honiara. The target audience will include key policy makers and planners within SIG, development and donor partners, private sector and civil society. The report and findings will also be uploaded on the SINSO website <http://www.statistics.gov.sb>. Media releases of key findings and interviews will be undertaken including dissemination and advocacy through social media.

Following the Honiara workshop, SINSO and MAL staff will further disseminate the results and reports in the provinces by holding workshops, meetings, radio talk shows and interviews, and making presentations at schools. The advocacy of the SINAS findings will be integrated into SINSO and MAL's core business efforts (on-going dissemination and advocacy) and will be part of on-going effort to support and strengthen agricultural statistics as an integral part of the NSDS.

Chapter 3 - Concepts and Terms Used

The concepts and definitions used in this survey closely follow the recommendations of the FAO whilst maintaining consistency with national practise, and regional and international comparability.

Agricultural Holding

An economic unit under single management comprising of at least two large livestock and/or at least three small livestock and/or at least five poultry of any kind and/or land of any size used wholly or partly for agricultural production purposes regardless of title, legal form or size.

Single management may be exercised by an individual or household or jointly by two or more individuals or households or by a clan or tribe, or by a juridical person such as corporation, cooperative or government agency.

May consist of one or more parcels located in one or more separate areas or geographical or administrative divisions in the country, provided that the parcels share the same production means such as labour, machinery or draught animals or farm buildings.

There are two types of agricultural holdings:

- Holdings in the household sector – those operated by household members; and,
- Holdings in non-household sectors – those managed and operated by corporations, cooperatives and government institutions.

Household

A group of persons (or a single person) who usually live together and have a common arrangement for food, such as using a common kitchen or a common food budget. The persons may be related to each other or may be non-relatives, including servants or other employees, staying with the employer.

For the holdings in the household sector, there is usually one-to-one correspondence between an agricultural holding and a household with own account agricultural production activities. However, there are two special cases where the agricultural holding and household concepts may diverge:

- If there are two or more units making up the households, such as where a married couple leaves in the same dwelling as their parents, the two units may operate agricultural land independently, but as members of the same household, they make common arrangement for food and pool incomes.
- A household may operate land and at the same time keep livestock jointly with another household or group of households. Here, there are two agricultural holding units associated with the household, the first one is the agricultural production activities of the individual household itself and the second one is the joint agricultural operation with the other household(s).

Agricultural Holder who:

- Makes the major decision regarding resource use;
- Exercises management control over the agricultural holding operation;
- Has technical and economic responsibility for the holding; and,

- May undertake all responsibilities directly or delegate day-to-day responsibilities to a hired manager.

By definition, an agricultural holding is under single management and therefore cannot be more than one agricultural holder for an agricultural holding. However, there may be more than one joint holder in a holding. A joint holder is a person making major decisions regarding resource use and exercising management control over the agricultural operations, in conjunction with another person. A joint holder can be from within the same household or from another household.

Parcel

- Any piece of land of one land tenure type, entirely surrounded by other land or water or road or forest or other features not forming part of the holding; and,
- May consist of one or more fields or plots adjacent to each other.

A distinction should be made between a parcel, a field and a plot. A field is a piece of land in a parcel separated by from the rest of the lands in the parcel by easily recognisable demarcation lines such as paths, cadastral boundaries and/or hedges. A field may consist of one or more plots, where a plot is part of a field in which a specific crop or crop mixture is cultivated.

Location of the Parcel

- Refers to the administrative unit where the parcel is located.
- The reference period is a point of time, usually the day of enumeration.

The survey differentiates between two broad types of agricultural holdings (household and non-household), each with a number of different types of holdings:

Household Agricultural Holdings

- **Individual** is a holding that belongs to a household.
- **Family** is a holding that belongs to more than one household but they still have a family relationship and both the households take part in the management of farm operations.
- **Joint operation** is a holding that belongs to more than one household but they do not have family relationship and both households take part in the management of farm operations.

It is important to note that ‘joint’ and ‘family’ holdings are decided carefully based on the nature of their participation in the management of farm operations. In case the land of a holding is jointly owned by two members of a household, but the management in operating farm is decided solely by the elder member, then it is an ‘individual’ farm. Similarly, where a family member stays away from a household and does not take part in management of farm, such farms are not considered ‘family’ farms.

Land Tenure

- **Owned** means that the owner possesses the title of ownership and consequently has the right to determine the nature and extent of use of the land.

- **Short term lease** is any land leased with a written contract by which one party (lessor), usually in consideration of rent, conveys land to another (lessee) for 5 (five) years or less.
- **Long term lease** is any land leased with a written contract by which one party (lessor), usually in consideration of rent, conveys land to another (lessee) for more than 5 (five) years.
- **Customary** is the piece of land used by households over a long time or over generations without any document of inheritance of that land. Owning of such land is generally the practice of a community or in places where land settlement work has not been done.
- **Others** is other land tenure that may be different from the above categories, such as all parcels that are used and rented for free by the operator.

Main Activity

The survey refers to the main or usual activity being done or engaged in by each household member 10 years old and over most of the time during the past week. Household members can be engaged in similar kinds of economic activities that are often grouped or classified as an industry such as³:

- **Farming** is growing crops by people for food and raw materials.
- **Fishing** is the activity of trying to cultivate or catch fish or other sea products.
- **Livestock** are domesticated animals raised in an agricultural setting to produce commodities such as food, fibre and labour.
- **Handicraft** is any of a wide variety of types of work where useful and decorative objects are made completely by hand or by using only simple tools.
- **Forestry** is an activity in communities of living organisms characterised by the presence of trees that have symbiotic relationships with each other and the physical environment.
- **None of the above** is other activities not mentioned in the above category.

The above respective industries comprising similar economic activities of holdings can also be further classified into sectors of economic activities. For example, the farming, fishing and livestock can be grouped as a sector.

Employment Status

The survey records the principal economic activity in which a person was employed during the past week. The classification of the employment status is as follows:

- **Own account** is a person who generates his/her income directly from customers, clients or other organisations including activities in agriculture sector for subsistence or sale, as opposed to being an employee of a business (or person).

³ These activities are broadly classified following the UN's International Standard Industry Classification (ISIC) of all economic activities, especially where it relates to Agriculture, Forestry and Fishing

- **Employer** is a person who operates his/her own farm or business or is engaged independently in a profession or trade and employs one or more paid workers.
- **Employee – government** is a person who works for the government.
- **Employee – private employee** is a person who works for a private employer or business, including a household farm, and receives remuneration in wages, salary, commission, tips, piece-rates, or pay in-kind.
- **Unpaid worker** is a person who works in the household farm or business without pay of any kind and in return shares his/her livelihood from the household as a member.
- **Student** is a learner, or someone who attends an educational institution.
- **Others** are none of the above classifications.

Method of Planting

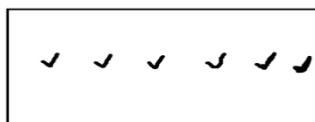
- **Compact crops** refers to crops that were planted jointly, packed together, closely, dense; solid and firmly united.

Illustration: Compact crops



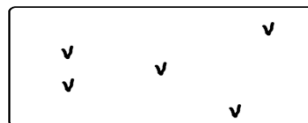
- **Line crops** refers to crops that were planted in a line; the line must not be a curve line, could be a straight, a circle, etc.

Illustration: Line crops



- **Scatter crops** refers to crops that were not planted jointly, not packed together, not firmly united and not in a line.

Illustration: Scatter crops



Type of Planting

- **A single crop** is a crop that is planted without any other crop (e.g. root crops or vegetables) in a plot. It may be a stand-alone crop or may be combined with a scattered crops or trees, but it is still considered single crop.
- **A mixed crop** is a crop that is planted together with any other crop (e.g. root crops or vegetables) in a plot. It may be a combined with a scattered crops or trees, but it is still considered mixed crop.
- **A scatter pattern** is where plants from one or more crops are planted in such a manner that it is not possible to estimate the area.

- **Tree crops** include trees that are grown to provide food, including bananas, pawpaw, oranges, jack fruit, bread fruit, etc.
- **Cash crop trees** include non-food trees such as coconut, coffee, and palm oil, which are grown predominantly for sale.

Type of Aquaculture Activity

- **Pond culture** is the breeding or rearing of aquatic plants or animals in natural or artificial enclosures. Pond culture is usually carried out in stagnant waters with periodic water exchange or water flushing through inlets and outlets.
- **Pen culture** is the rearing aquatic animals or plants in lakes, rivers, reservoirs or open sea using pens.
- **Cage culture** is also the rearing of aquatic animals or plants in the lakes, rivers, reservoirs or open sea using cages or net enclosures. Note that pen cultures use net enclosure from the water level down to the bottom of the bodies of water (such as river, lake, reservoirs or open sea), while cage cultures use net enclosure like an inverted mosquito net usually hanging held in place by floating structures or suspended by stakes in the four corners in open water bodies.
- **Rice-cum-fish culture** is the use of land for the culture of both rice and aquatic organisms. One form of rice-cum-fish culture is the introduction of brood-stock or seed into flooded paddy fields, often modified for aquaculture purposes. Another form of rice-cum-fish culture is where rice and fish are raised on the same land in different seasons. Fishing associated with fish from the wild that enter paddy fields during flooding is not included.
- **Hatchery** is rearing or culturing aquatic animals or plants from the fry stage to juvenile stage.
- **Other aquaculture activity** such as cultivation of shellfish or seaweeds; or raising frogs or crocodiles; or culturing pearls; etc.

Type of Water Used in Aquaculture

- **Marine water or saltwater** refers to coastal and offshore waters where salinity is high and is not subject to significant daily or seasonal variation.
- **Brackish water** refers to waters with appreciable salinity but not to a constant high level. It is characterised by fluctuations in salinity due to regular influxes of freshwater and seawater, such as in estuaries, coves, bays and fjords. Enclosed water bodies in which salinity is greater than freshwater but less than seawater are also regarded as brackish.
- **Freshwater** refers to reservoirs, rivers, lakes and canals, with consistently negligible salinity

Type of Production Facility Used in Aquaculture

- **Ponds** refer to natural or artificial enclosures used usually in pond culture. Hatchery and cage culture can also be undertaken in a pond.
- **Pens are net** enclosures fixed by frameworks made of metal, plastic, bamboo or wood from the water level down to the bottom of the bodies of water such as river, lake, etc.
- **Cages** are net enclosures held in place by floating structures. Hapas are simple net enclosures suspended by stakes in the four corners in open water bodies.
- **Paddy fields** are used in the rice-cum-fish culture. Note that only such culture is using paddy fields.
- **Culvert/tank/drum/aquarium/raceways** is the production facility for hatchery. Note that backyard pond culture can also be used as such a production facility.

Estimated Quantity, Value and Sales of Crops, Livestock and Assets

The expected number, quality (kg) and sale value (\$SI) of crops, livestock and assets of agricultural holdings are estimated based on interview response and field observation. As this data is subjective and not based on standardised units, there may be a degree of measurement error with unit value calculations.

Chapter 4 – Households, Agricultural Holdings, and Population

The survey provides information on households with agricultural holdings. This includes the demographic profile, educational attainment of each member of agricultural households, the employment status of all individuals aged 10 and above in agricultural households⁴, as well as their main or usual activity being done or engaged in the week prior to the survey. It also captures information on households' engagement in the various subsectors of agriculture, such as growing crops, rearing livestock, fisheries, forestry, handicraft making, aquaculture, non-agricultural trading outlet and other non-agricultural activities.

4.1 Households

Table 4.1 shows estimates of the population and the number of households in the Solomon Islands as well as those engaged as an agricultural holding at the time of the survey. The results show that the Solomon Islands is a highly agricultural society, with an estimated 92 percent of the total population, and 93 percent of households involved, in some way or another, in agricultural activities.

Table 4.1 Population and Households, by Province: 2017

	Total		Agricultural Holdings			
	Population	Households	Population	%	Households	%
Total	639,327	120,052	589,294	92	111,117	93
Malaita	155,406	27,986	148,316	95	26,678	95
Guadalcanal	136,645	27,001	120,420	88	23,997	89
Western	89,889	18,577	85,177	95	17,530	94
Honiara	82,365	12,581	65,273	79	9,921	79
Makira	50,459	9,407	49,907	99	9,309	99
Choiseul	33,606	6,231	31,788	95	5,930	95
Isabel	31,858	6,805	31,615	99	6,755	99
Central	30,998	5,618	30,313	98	5,489	98
Temotu	24,224	5,112	22,754	94	4,801	94
Rennell Bellona	3,878	735	3,732	96	708	96

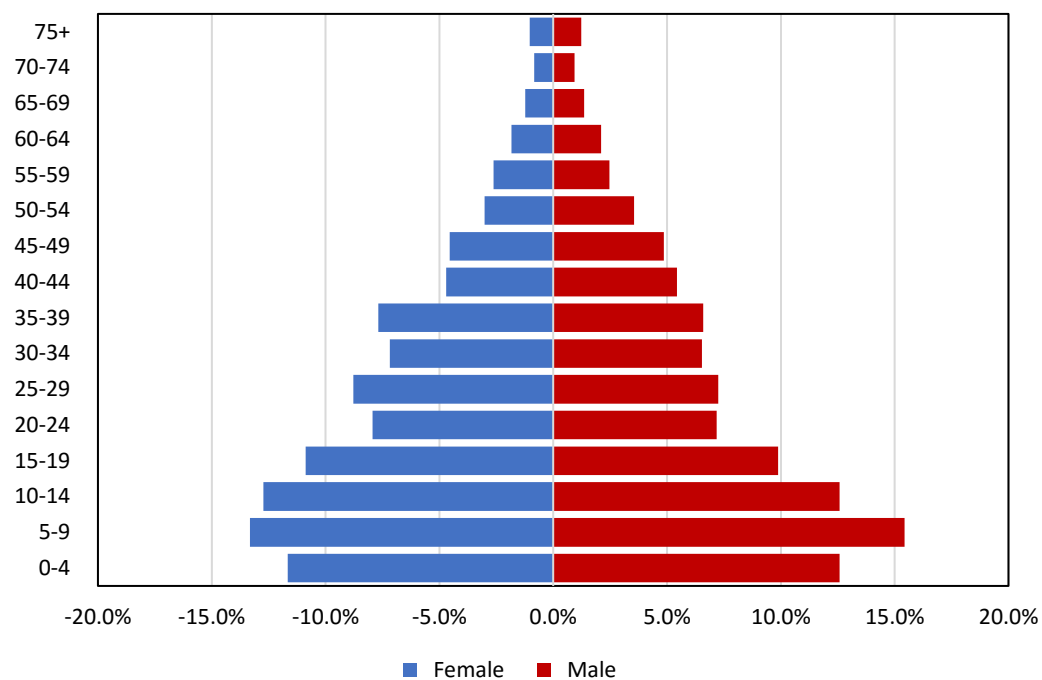
Sources: Annex Tables A4.1 and A4.2

4.2 Population Age Groups

The age profile of household agricultural holdings generally mirrors that of the general population (**Figures 4.1 and 4.2**, respectively). Nearly two-fifths (39 percent) of the agricultural population are aged 15 years or lower. A further 3 percent of the agricultural population are aged 65 years or older.

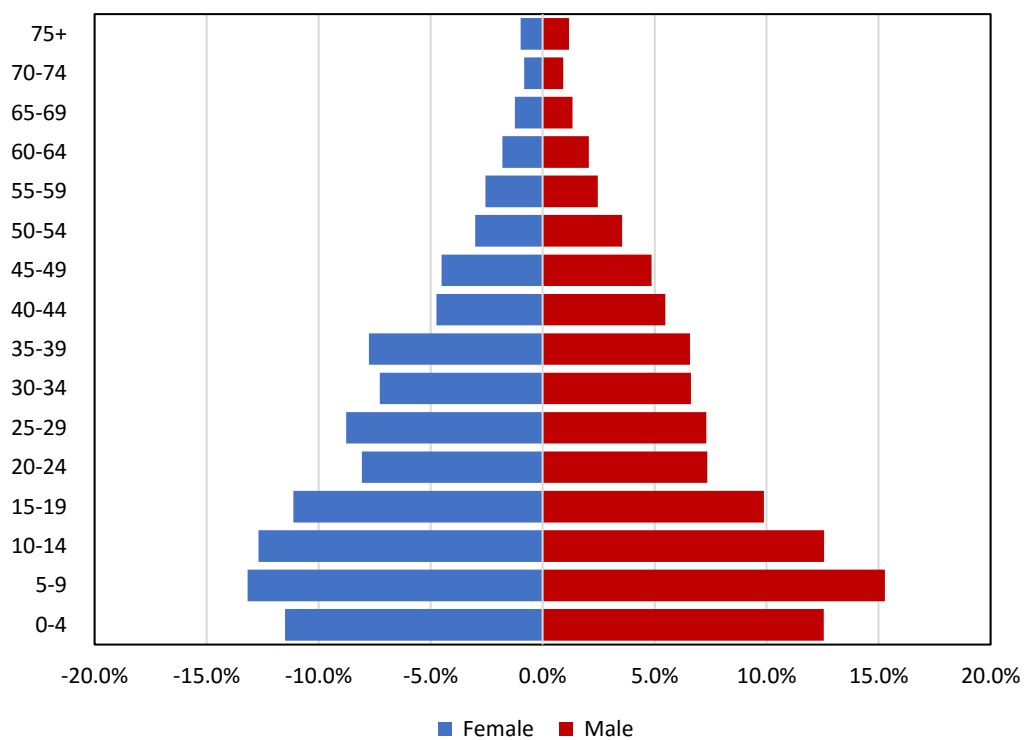
⁴ Agricultural households refers to those households with an agricultural holding.

Figure 4.1 Agricultural Population Pyramid



Source: Annex Table A4.4

Figure 4.2 Total Population Pyramid



Source: Annex Table A4.3

4.3 Dependency Ratio

The age dependency ratio is generally calculated as the ratio of those typically not in the labour force (the dependent ages 0 to 14 and 60+) and those typically in the labour force (ages 15 to 59). It is expressed as a percentage of the working age population. In agricultural households in the Solomon Islands, the nationwide age dependency ratio was 74 percent in 2017. The highest dependency ratio was in Choiseul (92 percent) with the lowest in Honiara (55 percent).

4.4 Education Attained

Across all household agricultural holdings, it is estimated that 41 percent of individuals finished primary education, 15 percent finished junior secondary education (Form 1 – Form 3) and 9 percent finished senior secondary education (Form 4 – Form 7) (**Table 4.2**). A further 19 percent of individuals from agricultural households had no schooling. These are broadly in line with the estimated rates of education for the population at large (**Annex Table A4.5**).

Table 4.2 Estimated Population of Household Agricultural Holdings by Education Level and Sex, by Province: 2017

	Province					
	Total	%	Choiseul	Western	Isabel	Central
Total						
Total	589,294	100.0	31,788	85,177	31,615	30,313
No schooling	112,580	19.1	5,201	15,593	5,409	6,107
Early childhood education (ECE)	43,790	7.4	3,362	3,903	3,050	2,677
Primary education	243,371	41.3	15,308	38,574	14,267	12,614
Junior secondary education [F1 - F3]	90,799	15.4	4,961	14,525	5,599	4,853
Senior secondary education [F4 - F7]	53,019	9.0	1,916	6,712	2,185	2,469
Technical vocational education training	9,134	1.5	295	1,752	344	219
Tertiary education	31,221	5.3	667	3,012	636	916
Other	2,451	0.4	77	199	92	285
Missing	2,930	0.5	-	907	35	174
Male						
Total	294,998	100.0	15,981	42,098	15,836	14,501
No schooling	52,872	17.9	2,807	7,857	2,357	2,577
Early childhood education (ECE)	23,040	7.8	1,582	1,918	1,538	1,373
Primary education	120,716	40.9	7,905	18,836	7,317	5,842
Junior secondary education [F1 - F3]	43,327	14.7	2,209	6,525	2,665	2,425
Senior secondary education [F4 - F7]	27,106	9.2	933	3,440	1,154	1,310
Technical vocational education training	6,444	2.2	196	1,113	245	143
Tertiary education	18,710	6.3	320	1,837	470	637
Other	1,238	0.4	29	70	55	153
Missing	1,545	0.5	-	504	35	41
Female						
Total	294,296	100.0	15,807	43,079	15,779	15,811
No schooling	59,708	20.3	2,394	7,736	3,052	3,529
Early childhood education (ECE)	20,750	7.1	1,780	1,985	1,512	1,304
Primary education	122,655	41.7	7,403	19,739	6,949	6,772
Junior secondary education [F1 - F3]	47,471	16.1	2,752	8,000	2,933	2,427
Senior secondary education [F4 - F7]	25,913	8.8	984	3,272	1,031	1,159
Technical vocational education training	2,689	0.9	99	639	98	75
Tertiary education	12,511	4.3	347	1,175	167	279
Other	1,213	0.4	48	130	36	132
Missing	1,385	0.5	-	403	-	133

Table 4.2 Cont. Estimated Population of Household Agricultural Holdings by Education Level and Sex, by Province: 2017

	Province					
	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total						
Total	3,732	120,420	148,316	49,907	22,754	65,273
No schooling	442	19,946	37,132	8,274	4,795	9,680
Early childhood education (ECE)	202	9,421	11,332	4,968	1,755	3,121
Primary education	1,402	49,981	59,473	20,888	11,149	19,716
Junior secondary education [F1 - F3]	888	19,037	20,524	7,971	3,082	9,360
Senior secondary education [F4 - F7]	581	11,952	10,991	3,951	1,395	10,868
Technical vocational education training	29	2,313	1,140	1,373	147	1,521
Tertiary education	177	7,196	5,852	1,791	409	10,565
Other	9	574	319	441	12	442
Missing	2	-	1,553	249	10	-
Male						
Total	1,764	61,909	73,571	25,659	11,281	32,397
No schooling	183	9,577	17,109	3,329	2,096	4,980
Early childhood education (ECE)	97	4,994	6,192	2,957	720	1,669
Primary education	620	25,278	29,489	10,436	5,765	9,230
Junior secondary education [F1 - F3]	406	8,822	9,992	4,406	1,663	4,215
Senior secondary education [F4 - F7]	297	6,447	5,435	2,181	709	5,202
Technical vocational education training	29	1,801	860	897	77	1,083
Tertiary education	124	4,701	3,503	1,058	240	5,822
Other	9	290	173	250	12	197
Missing	-	-	820	145	-	-
Female						
Total	1,968	58,511	74,745	24,248	11,473	32,876
No schooling	259	10,369	20,024	4,945	2,699	4,700
Early childhood education (ECE)	104	4,427	5,140	2,011	1,034	1,453
Primary education	783	24,703	29,984	10,452	5,384	10,486
Junior secondary education [F1 - F3]	482	10,215	10,532	3,566	1,419	5,145
Senior secondary education [F4 - F7]	284	5,505	5,556	1,770	686	5,666
Technical vocational education training	-	513	280	476	70	438
Tertiary education	53	2,496	2,349	733	169	4,743
Other	-	284	146	191	-	246
Missing	2	-	733	104	10	-

In general, females were more likely to have had no schooling or only completed primary or junior secondary school, while males were more likely to have completed senior secondary education and beyond. Malaita had the highest estimated rate of no schooling, with 25 percent of the agricultural population. Honiara had the lowest estimated rate of people completing only primary school education, with household members considerably more likely to have gone on to finish senior secondary school or tertiary education than the national average.

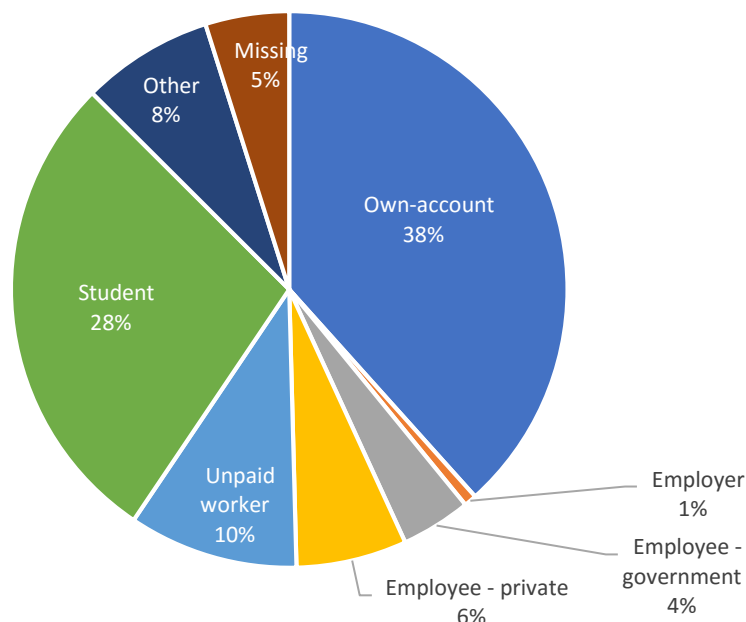
4.5 Employment Status

The survey narrowed the sample of household agricultural holdings to people over the age of 10 to obtain details of their employment status. In total, it was most common for household members to be involved in “own account” employment, by which they generate their income directly from customers, clients, or other organisations including activities in agriculture sector for subsistence or sale, as opposed to being an employee of a business (or person).

Nationwide, 38 percent of household members aged 10 years or over were engaged in own account activities. The highest rates of own account were in Isabel (61 percent) and Choiseul

(57 percent). The lowest rates of own account were in Honiara (10 percent) where public and private sector employment is much more prevalent (**Table 4.3**).

Figure 4.3 Total Household Agricultural Holdings Population (10+ Years) by Employment Status



Across all household agricultural holdings, a further 28 percent of the population aged 10 years and over were students and 10 percent were unpaid workers. Unpaid work was most prevalent in Temotu, Malaita and Central Provinces. Women were more likely to be involved in own account work or undertaking unpaid work than men and were also less likely to be private employees than men.

Table 4.3 Estimated Population (10+ Years) of Household Agricultural Holdings by Employment Status and Sex, by Province: 2017

	Province											
	Total	%	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total												
Total	433,113	100.0	21,668	62,829	23,443	22,411	2,757	88,178	110,039	35,215	16,077	50,495
Own-account	166,117	38.4	12,259	32,441	14,377	7,087	1,248	37,471	31,239	18,191	6,662	5,142
Employer	3,167	0.7	118	444	31	117	3	1,937	275	129	66	46
Employee - govt	17,617	4.1	687	2,068	543	830	162	3,400	4,417	1,158	479	3,875
Employee - private	27,853	6.4	940	4,567	827	301	231	4,098	4,048	887	474	11,481
Unpaid worker	42,712	9.9	1,524	3,034	63	3,244	58	9,626	15,815	4,323	2,920	2,104
Student	121,398	28.0	4,468	15,624	6,648	7,376	944	27,311	27,822	9,431	4,591	17,182
Other	33,163	7.7	1,519	4,100	954	3,143	86	3,915	7,035	918	845	10,648
Missing	21,085	4.9	154	551	-	313	25	417	19,388	178	40	18
Male												
Total	212,316	100.0	10,643	30,241	11,585	10,876	1,315	44,608	53,055	17,962	7,859	24,173
Own-account	77,923	36.7	5,767	14,498	6,398	3,796	479	18,125	14,469	9,075	3,237	2,078

Employer	2,262	1.1	87	262	31	76	-	1,424	180	114	43	46
Employee - govt	9,940	4.7	267	1,302	350	595	114	1,803	2,475	717	264	2,053
Employee - private	20,438	9.6	817	3,386	756	248	203	2,750	3,444	698	406	7,731
Unpaid worker	17,621	8.3	647	1,324	31	1,276	32	4,051	6,855	1,732	915	758
Student	61,451	28.9	2,341	7,566	3,554	3,617	455	14,830	13,218	5,101	2,538	8,230
Other	12,621	5.9	604	1,616	466	1,138	26	1,312	3,333	412	456	3,258
Missing	10,060	4.7	113	287	-	129	7	313	9,081	113	-	18
Female												
Total	220,796	100.0	11,026	32,588	11,857	11,536	1,442	43,570	56,984	17,253	8,219	26,323
Own-account	88,194	39.9	6,491	17,942	7,979	3,291	769	19,346	16,770	9,116	3,426	1,138
Employer	905	0.4	31	183	-	42	3	514	95	14	23	-
Employee - govt	7,678	3.5	420	766	193	235	48	1,598	1,942	441	215	225
Employee - private	7,415	3.4	123	1,181	71	53	28	1,349	604	189	68	57
Unpaid worker	25,091	11.4	877	1,710	32	1,968	26	5,575	8,960	2,591	2,005	-
Student	59,946	27.1	2,127	8,058	3,095	3,759	489	12,481	14,604	4,330	2,053	12,203
Other	20,542	9.3	915	2,484	488	2,004	60	2,603	3,702	506	389	12,700
Missing	11,026	5.0	42	264	-	183	19	104	10,307	66	40	-

4.6 Sector of Employment and Main Activity

Among household agricultural holdings, the largest employer, unsurprisingly, was the agriculture, forestry and fishing sector, employing an estimated 167,861, or 60 percent, of the employed population (**Table 4.4**). This is a slightly higher rate than the population at large (**Annex Table A4.7**). The share of total employment in agriculture, forestry and fishing sector jumps to 90 percent in Isabel, and is around, or just greater than, 70 percent in Choiseul, Western Province, Guadalcanal, Makira and Temotu. In contrast, in Honiara, where the labour market is more diverse and specialised and rates of employment are highest, engagement in the agriculture, forestry and fishing accounts of only 7 percent of the employed population, with public administration and defence, services and construction much larger employing sectors.

Table 4.4 Estimated Population (10+ Years) of Household Agricultural Holdings by Sector of Employment and Sex, by Province: 2017

	Province											
	Total	%	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total	279,021	100.0	15,681	43,203	15,860	11,893	1,727	56,992	75,493	24,866	10,641	22,665
Agriculture, forestry and fishing	167,861	60.2	10,831	29,600	14,321	7,658	917	42,230	35,504	17,580	7,727	1,493
Mining and quarrying	1,049	0.4	-	37	17	-	129	489	107	21	20	229
Manufacturing	1,165	0.4	21	587	31	-	-	238	33	28	86	141
Electricity, gas, steam and air conditioning supply	1,085	0.4	9	177	33	-	2	150	69	29	-	616
Water supply, sewage, waste management & remediation activity	712	0.3	-	167	15	29	-	54	30	127	22	268
Construction	8,885	3.2	503	1,486	439	234	72	1,763	1,357	610	278	2,143
Trade	2,778	1.0	35	443	48	49	17	700	282	157	91	956
Transportation and storage	3,659	1.3	85	327	54	63	3	419	478	163	157	1,910
Accommodation and food service activities	2,999	1.1	38	460	21	51	18	222	112	80	195	1,802
Information and communication	923	0.3	-	128	37	53	-	92	214	-	11	388
Financial and insurance activities	2,770	1.0	107	184	80	231	-	1,016	181	254	92	625
Real estate, rental and leasing activities	198	0.1	19	43	-	28	4	57	-	-	-	47
Professional, science and technical activities	1,235	0.4	-	237	17	16	6	104	504	14	10	327
Administrative and support service activities	2,105	0.8	42	366	-	86	35	356	165	29	10	1,016
Education	11,659	4.2	542	1,386	351	545	104	2,732	3,317	1,196	385	1,101
Human health and social work	2,735	1.0	126	248	30	247	17	499	640	138	50	740
Arts, entertainment and recreation	1,520	0.5	116	994	-	-	67	43	41	25	15	219
Other service activities	20,876	7.5	2,737	4,206	180	469	247	4,112	3,298	932	1,288	3,407
Public administration and defence, compulsory social security	3,512	1.3	12	301	109	38	35	414	250	57	10	2,286
Activities of household as employers	13,038	4.7	214	1,026	-	1,703	24	784	3,547	3,189	95	2,456
Extra-territorial organisation and bodies	600	0.2	48	-	40	26	-	-	33	-	-	453
Missing	27,654	9.9	197	799	37	367	28	518	25,332	238	96	42

Male												
Total	138,558	100.0	7,697	21,128	7,585	6,120	834	28,506	36,691	12,449	4,864	12,684
Agriculture, forestry and fishing	76,936	55.5	5,023	12,940	6,439	3,834	373	19,753	16,007	8,527	3,242	798
Mining and quarrying	975	0.7	-	37	17	-	117	448	107	-	20	229
Manufacturing	581	0.4	-	361	31	-	-	60	33	28	31	37
Electricity, gas, steam and air conditioning supply	966	0.7	9	177	33	-	2	120	36	29	-	560
Water supply, sewage, waste management & remediation activity	570	0.4	-	167	15	14	-	-	30	76	-	268
Construction	8,635	6.2	503	1,486	439	234	72	1,718	1,211	589	278	2,105
Trade	2,365	1.7	-	416	33	49	17	594	282	108	61	805
Transportation and storage	3,390	2.4	85	327	54	63	3	419	478	163	157	1,641
Accommodation and food service activities	766	0.6	38	86	-	21	-	93	80	40	23	385
Information and communication	605	0.4	-	98	37	37	-	77	33	-	11	312
Financial and insurance activities	1,424	1.0	56	147	33	138	-	473	33	177	54	313
Real estate, rental and leasing activities	166	0.1	19	43	-	-	-	57	-	-	-	47
Professional, science and technical activities	885	0.6	-	198	-	16	6	50	312	14	10	279
Administrative and support service activities	1,228	0.9	32	141	-	86	17	232	165	29	-	526
Education	5,803	4.2	160	822	175	358	67	1,401	1,671	742	232	175
Human health and social work	998	0.7	43	73	15	145	9	236	216	57	-	204
Arts, entertainment and recreation	700	0.5	55	384	-	-	15	43	41	25	15	122
Other service activities	10,326	7.5	1,451	2,090	118	244	87	1,742	2,302	463	699	1,130
Public administration and defence, compulsory social security	2,829	2.0	-	269	94	29	29	359	177	29	-	1,843
Activities of household as employers	4,800	3.5	27	431	-	639	9	301	1,542	1,225	19	607
Extra-territorial organisation and bodies	382	0.3	39	-	17	26	-	-	33	-	-	267
Missing	13,229	9.5	156	432	37	188	9	330	11,906	129	12	30
Female												
Total	140,462	100.0	7,984	22,075	8,275	5,772	893	28,486	38,803	12,416	5,777	9,981
Agriculture, forestry and fishing	90,923	64.7	5,808	16,660	7,882	3,824	543	22,477	19,497	9,052	4,485	695
Mining and quarrying	73	0.1	-	-	-	-	12	40	-	21	-	-
Manufacturing	584	0.4	21	226	-	-	-	178	-	-	55	104
Electricity, gas, steam and air conditioning supply	119	0.1	-	-	-	-	-	30	33	-	-	56
Water supply, sewage, waste management & remediation activity	143	0.1	-	-	-	15	-	54	-	52	22	-
Construction	249	0.2	-	-	-	-	-	45	146	20	-	38
Trade	411	0.3	35	26	15	-	-	106	-	48	30	151
Transportation and storage	269	0.2	-	-	-	-	-	-	-	-	-	269
Accommodation and food service activities	2,235	1.6	-	374	21	30	18	129	33	40	172	1,418
Information and communication	317	0.2	-	30	-	16	-	15	181	-	-	75
Financial and insurance activities	1,348	1.0	51	37	48	94	-	542	149	77	38	312
Real estate, rental and leasing activities	32	0.0	-	-	-	28	4	-	-	-	-	-
Professional, science and technical activities	350	0.2	-	39	17	-	-	54	192	-	-	48
Administrative and support service activities	876	0.6	9	225	-	-	17	125	-	-	10	490
Education	5,855	4.2	382	563	176	187	37	1,331	1,646	454	153	926
Human health and social work	1,737	1.2	82	175	15	102	9	263	424	81	50	536
Arts, entertainment and recreation	819	0.6	60	610	-	-	52	-	-	-	-	97
Other service activities	10,552	7.5	1,286	2,116	62	225	161	2,370	996	470	589	2,277
Public administration and defence, compulsory social security	684	0.5	12	32	15	9	6	54	74	29	10	443
Activities of household as employers	8,239	5.9	187	595	-	1,063	15	484	2,005	1,964	77	1,849
Extra-territorial organisation and bodies	218	0.2	9	-	23	-	-	-	-	-	-	186
Missing	14,428	10.3	42	367	-	179	19	188	13,427	110	84	12

The survey also captured information on the main or usual activity being done or engaged in by each household member aged 10 years old and over in the week prior to the survey. The results show that farming (growing crops by people for food and raw materials) is clearly the most prominent activity undertaken, preoccupying around half of all individuals in most provinces (**Table 4.5**). Fishing is less common, and generally the main activity of less than 5 percent of individuals.

Table 4.5 Estimated Population (10+ Years) of Household Agricultural Holdings by Main Activity and Sex, by Province: 2017

	Province											
	Total	%	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total												
Total	433,113	100.0	21,668	62,829	23,443	22,411	2,757	88,178	110,039	35,215	16,077	50,495
Farming	189,276	43.7	10,818	27,156	12,870	11,520	974	43,555	55,450	18,277	7,078	1,578
Fishing	10,506	2.4	957	2,828	1,371	759	48	1,145	1,769	952	677	-
Livestock	6,562	1.5	226	470	63	201	6	3,024	881	451	840	400
Handicrafts	2,971	0.7	71	1,371	100	99	110	386	361	237	89	146
Forestry	2,085	0.5	175	305	308	73	3	552	291	266	18	94
None of the above	139,609	32.2	5,444	13,770	5,693	5,676	1,444	33,889	32,406	9,480	4,812	26,995
Others	71,842	16.6	3,901	16,728	3,037	3,832	127	5,278	9,896	5,231	2,529	21,284
Missing	10,262	2.4	77	200	-	252	45	348	8,985	322	34	-
Male												
Total	212,316	100.0	10,643	30,241	11,585	10,876	1,315	44,608	53,055	17,962	7,859	24,173
Farming	80,740	38.0	4,262	10,687	5,388	5,041	399	19,519	24,003	8,482	2,518	440
Fishing	7,869	3.7	870	2,164	901	667	40	827	1,136	759	507	-
Livestock	3,909	1.8	191	218	28	123	6	1,954	420	231	563	175
Handicrafts	1,330	0.6	37	553	35	60	10	252	175	94	26	89
Forestry	1,829	0.9	143	263	292	56	3	507	251	203	18	94
None of the above	76,945	36.2	3,211	8,002	3,306	3,008	785	18,387	17,255	5,378	2,821	14,792
Others	34,583	16.3	1,875	8,228	1,636	1,810	61	2,927	5,476	2,593	1,394	8,584
Missing	5,113	2.4	56	127	-	111	11	234	4,339	222	12	-
Female												
Total	220,796	100.0	11,026	32,588	11,857	11,536	1,442	43,570	56,984	17,253	8,219	26,323
Farming	108,536	49.2	6,557	16,469	7,482	6,478	574	24,036	31,447	9,795	4,559	1,138
Fishing	2,637	1.2	87	665	471	92	9	318	633	193	170	-
Livestock	2,653	1.2	35	252	35	79	-	1,070	461	220	277	225
Handicrafts	1,641	0.7	34	819	65	39	101	134	186	143	63	57
Forestry	256	0.1	33	42	16	17	-	45	40	64	-	-
None of the above	62,664	28.4	2,233	5,768	2,387	2,667	659	15,502	15,151	4,102	1,991	12,203
Others	37,260	16.9	2,026	8,500	1,402	2,022	66	2,352	4,420	2,638	1,136	12,700
Missing	5,149	2.3	21	73	-	141	33	113	4,646	99	22	-

4.7 Activity in the Holding

Within the agricultural holding, the main activities undertaken by individuals aged 10 and above are planting and harvesting, which account for approximately half of all individuals in most provinces (**Table 4.6**). The exception was Honiara, where most individuals primarily undertake activities unrelated to the holding.

Table 4.6 Estimated Population (10+ Years) of Household Agricultural Holdings by Activity in Holding and Sex, by Province: 2017

	Total	%	Province									
			Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total												
Total	433,113	100.0	21,668	62,829	23,443	22,411	2,757	88,178	110,039	35,215	16,077	50,495
Planting	152,055	35.1	8,287	23,688	10,552	7,943	790	32,984	44,026	14,144	4,461	5,179
Harvesting	50,399	11.6	3,685	4,413	2,570	2,851	206	12,532	15,992	5,618	2,053	479
Livestock rearing	6,830	1.6	184	391	41	68	6	2,578	1,383	489	918	772
Fish catching	7,643	1.8	1,080	1,533	824	631	57	695	1,460	790	572	-
Fish processing	692	0.2	-	136	-	-	-	154	-	46	356	-
Forestry	3,100	0.7	152	863	331	86	3	576	611	389	69	21
Handicraft	1,869	0.4	71	868	62	102	85	203	247	124	40	67
Transporting	1,776	0.4	71	403	43	79	6	229	487	229	133	96
Selling	4,927	1.1	444	1,147	199	670	35	759	888	196	318	272
None of the above	203,824	47.1	7,695	29,387	8,821	9,981	1,569	37,468	44,945	13,190	7,156	43,611
Male												
Total	212,316	100.0	10,643	30,241	11,585	10,876	1,315	44,608	53,055	17,962	7,859	24,173
Planting	72,806	34.3	3,953	10,171	5,237	3,781	353	16,020	22,042	8,036	1,879	1,333
Harvesting	13,872	6.5	687	1,300	484	769	30	4,386	4,558	1,007	419	233
Livestock rearing	4,518	2.1	162	216	28	25	6	1,855	993	259	589	386
Fish catching	6,560	3.1	1,054	1,162	503	631	57	695	1,254	717	486	-
Fish processing	331	0.2	-	77	-	-	-	54	-	-	200	-
Forestry	2,535	1.2	152	670	315	86	3	430	510	279	69	21
Handicraft	915	0.4	37	442	27	57	-	164	101	73	15	-
Transporting	1,776	0.8	71	403	43	79	6	229	487	229	133	96
Selling	1,847	0.9	236	382	118	369	6	254	347	45	38	53
None of the above	107,156	50.5	4,290	15,418	4,830	5,081	853	20,521	22,765	7,316	4,031	22,051
Female												
Total	220,796	100.0	11,026	32,588	11,857	11,536	1,442	43,570	56,984	17,253	8,219	26,323
Planting	79,249	35.9	4,334	13,517	5,315	4,162	436	16,964	21,984	6,108	2,582	1,138
Harvesting	36,527	16.5	2,998	3,113	2,086	2,082	176	8,146	11,435	4,611	1,634	-
Livestock rearing	2,312	1.0	21	176	12	43	-	724	390	230	330	225
Fish catching	1,082	0.5	25	371	321	-	-	-	206	72	87	57
Fish processing	360	0.2	-	59	-	-	-	99	-	46	157	-
Forestry	566	0.3	-	193	16	-	-	146	101	110	-	12,203
Handicraft	953	0.4	34	426	35	46	85	39	147	51	25	12,700
Transporting	-	-	-	-	-	-	-	-	-	-	-	-
Selling	3,079	1.4	207	765	81	302	29	506	541	151	280	-
None of the above	96,667	43.8	3,405	13,969	3,992	4,901	716	16,947	22,180	5,874	3,125	-

Chapter 5 – Agricultural Holdings and Land Tenure

Total agricultural holdings comprise parcels of homestead holdings – i.e. land where the residential building of the holder is located – plus other separate agricultural land (OSAL) of varying sizes. A parcel is any piece of land that has a single land tenure type and is entirely surrounded by other land or water or road or forest or other features not forming part of the holding. Parcels may consist of one or more fields or plots adjacent to each other. Parcels have varying uses and are held on different types of land tenure, reflecting the mix of private and customary land ownership that exists in the Solomon Islands.

5.1 Household Agricultural Holdings

Of the estimated 111,117 agricultural holdings nationwide, 93,933 holdings (85 percent) are individual holdings, while a further 15 percent are family holdings (**Table 5.1**). This reflects the large proportion of individual holdings in larger and more populous provinces of Guadalcanal and Malaita and the capital province Honiara. Elsewhere, in Makira and Rennell Bellona provinces, families account for the majority of agricultural holdings. In all, 87 percent of holdings are in male-headed households.

Table 5.1 Total Number and Percent of Household Agricultural Holdings by Type of Holding, by Province: 2017

	Type of Holding				
	Total	Individual	Family	Joint Operation	Others
	<i>Number</i>				
Total	111,117	93,933	17,081	103	-
Choiseul	5,930	5,888	42	-	-
Western	17,530	14,809	2,672	49	-
Isabel	6,755	6,398	356	-	-
Central	5,489	5,327	162	-	-
Rennell Bellona	708	74	632	2	-
Guadalcanal	23,997	20,225	3,772	-	-
Malaita	26,678	22,575	4,070	33	-
Makira	9,309	3,966	5,323	20	-
Temotu	4,801	4,749	52	-	-
Honiara	9,921	9,921	-	-	-
	<i>Percent (%)</i>				
Total	100.0	84.5	15.4	0.1	-
Choiseul	100.0	99.3	0.7	-	-
Western	100.0	84.5	15.2	0.3	-
Isabel	100.0	94.7	5.3	-	-
Central	100.0	97.0	3.0	-	-
Rennell Bellona	100.0	10.5	89.3	0.3	-
Guadalcanal	100.0	84.3	15.7	-	-
Malaita	100.0	84.6	15.3	0.1	-
Makira	100.0	42.6	57.2	0.2	-
Temotu	100.0	98.9	1.1	-	-
Honiara	100.0	100.0	-	-	-

Note: Others - includes religious, cooperative holdings, and educational institutions. The estimates are based on a sample survey during the reference period (time) of enumeration.

5.2 Size of Agricultural Holdings

In total, it is estimated that there are 1,158,701 hectares of agricultural holdings across Solomon Islands (**Table 5.2**), accounting for around 40 percent of the nation's total landmass. Most agricultural land is concentrated in three provinces: Guadalcanal; Malaita; and Makira, which account for 70 percent of the total. Male-headed households control 83 percent of agricultural land nationwide. In Malaita, female-headed households control 29 percent of agricultural land

– the largest share across the provinces. In larger provinces, such as Guadalcanal and Malaita, more than two-fifths of agricultural land is in holdings of more than 100 hectares, while for most other provinces, holdings tend to be between 10 and 50 hectares.

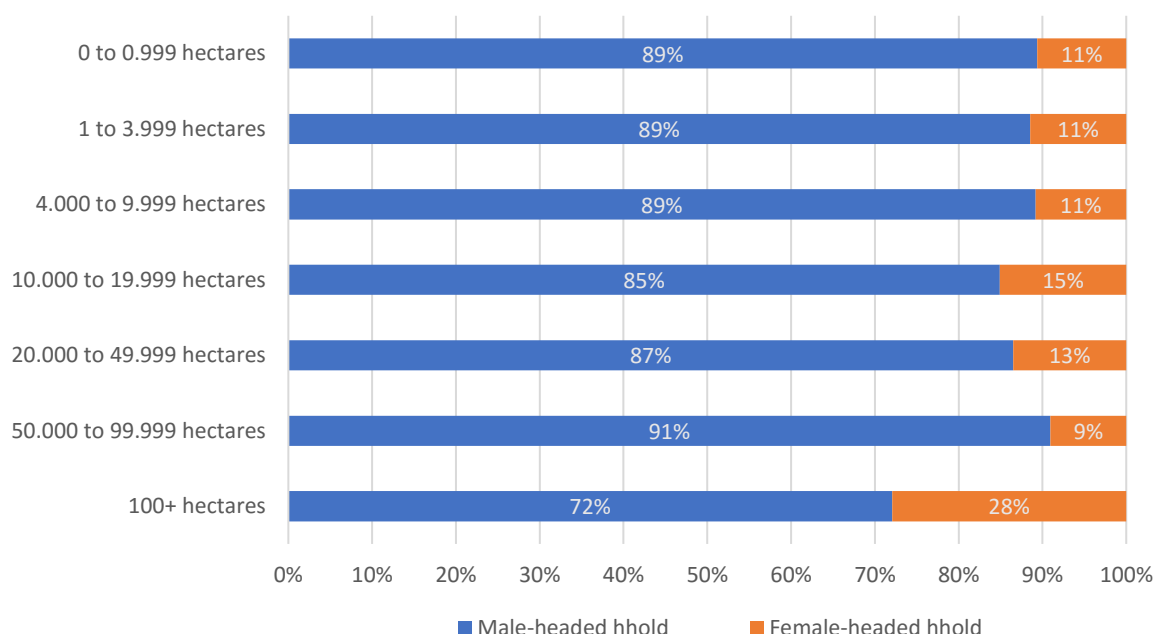
Homestead land accounts for an estimated 476,537 hectares, or around two-fifths of total agricultural land (**Annex Table A5.3**) while OSAL accounts for the remaining 682,164 hectares (**Annex Table A5.4**). Homestead land accounts for around 72 percent of agricultural land in the densely populated province of Honiara and 79 percent in Temotu. In the province with the most agricultural land, Guadalcanal, homestead land accounts for around 43 percent of agricultural land.

Table 5.2 Area (hectares) of Household Agricultural Holdings by Size of Holding, Sex of Head, and Province: 2017

Total Household Agricultural Holding (Homestead + OSAL) in Hectares									
	Total	%	0 - 0.999 hectares	1 - 3.999 hectares	4 - 9.999 hectares	10.000 - 19.999 hectares	20.000 - 49.999 hectares	50.000 - 99.999 hectares	100+ hectares
Total									
Total	1,158,701	100.0	9,871	56,436	115,894	273,626	230,903	59,222	412,749
%	100.0		0.9	4.9	10.0	23.6	19.9	5.1	35.6
Choiseul	57,152	4.9	232	2,453	10,093	27,770	16,604	-	-
Western	103,169	8.9	1,186	14,968	25,022	29,168	24,980	3,964	3,881
Isabel	25,243	2.2	904	4,909	5,854	9,770	3,807	-	-
Central	37,728	3.3	1,028	1,780	2,576	11,303	5,206	-	15,835
Rennell Bellona	3,597	0.3	96	89	316	1,435	709	357	595
Guadalcanal	342,061	29.5	1,805	8,846	19,566	71,332	76,162	9,930	154,420
Malaita	237,045	20.5	3,606	13,705	28,905	59,432	22,751	6,799	101,847
Makira	232,414	20.1	405	5,874	11,293	13,301	46,381	34,448	120,713
Temotu	55,208	4.8	156	2,606	4,809	22,480	23,831	1,326	-
Honiara	65,082	5.6	453	1,205	7,460	27,636	10,472	2,399	15,458
Male-Headed Households									
Total	967,088	100.0	8,487	49,910	102,700	230,230	201,327	53,676	320,759
%	100.0		0.9	5.2	10.6	23.8	20.8	5.6	33.2
Choiseul	48,614	5.0	165	2,197	7,878	22,405	15,970	-	-
Western	91,956	9.5	1,038	12,665	23,021	26,408	20,978	3,964	3,881
Isabel	21,870	2.3	798	4,509	5,422	8,588	2,553	-	-
Central	34,531	3.6	904	1,688	2,576	11,110	5,206	-	13,048
Rennell Bellona	2,611	0.3	81	79	267	1,176	650	357	-
Guadalcanal	291,512	30.1	1,531	7,669	16,481	59,664	65,932	9,930	130,305
Malaita	168,440	17.4	3,109	12,396	27,128	52,049	20,055	6,799	46,903
Makira	205,434	21.2	378	5,374	9,938	10,471	39,206	28,902	111,164
Temotu	45,236	4.7	119	2,395	3,833	16,892	20,671	1,326	-
Honiara	56,885	5.9	365	937	6,155	21,467	10,103	2,399	15,458
Female-Headed Households									
Total	191,613	100.0	1,384	6,526	13,194	43,396	29,576	5,546	91,990
%	100.0		0.7	3.4	6.9	22.6	15.4	2.9	48.0
Choiseul	8,538	4.5	67	256	2,216	5,365	634	-	-
Western	11,213	5.9	148	2,302	2,000	2,760	4,002	-	-
Isabel	3,374	1.8	107	400	432	1,182	1,253	-	-
Central	3,198	1.7	124	93	-	193	-	-	2,787
Rennell Bellona	986	0.5	15	10	49	259	58	-	595
Guadalcanal	50,549	26.4	274	1,177	3,085	11,668	10,230	-	24,115
Malaita	68,605	35.8	497	1,308	1,777	7,383	2,696	-	54,944
Makira	26,981	14.1	27	500	1,355	2,830	7,175	5,546	9,549
Temotu	9,972	5.2	38	211	976	5,588	3,160	-	-
Honiara	8,198	4.3	88	268	1,305	6,168	369	-	-

The survey findings highlight the gender bias regarding equitable status of household leadership and oversight over land associated with agriculture activities. Male-headed households have supremacy over female-headed households in all sizes of agricultural activity holdings, with approximately 90 percent of holdings under 100 acres and more than two-thirds of the largest area with 100 hectares or more.

Figure 5.1 Percent of Area of Household Agricultural Holdings Engaged in Agricultural Activities by Size of Holding and Sex of Head of Household: 2017



5.3 Engagement in Subsector Activities

A number of subsector activities represent additional or alternate economic activities for household agricultural holdings in the country. Growing crops is widespread, being practiced by almost all agricultural holdings in every province (**Table 5.3**). This is even the case in the urban Honiara, where 91 percent of households are also involved in other non-agricultural activities and are employed outside of the agriculture sector.

Raising livestock is undertaken by an estimated 43,701 agricultural households, accounting for 39 percent of the total. Fisheries activities are practiced by an estimated 43,715 households, though only 1,009 households are estimated to be involved in aquaculture. Around half of all households are involved in forestry.

Table 5.3 Estimated Number of Household Agricultural Holdings Engaged in Subsector Activities, by Province: 2017

	Growing crops	Rearing livestock	Fisheries	Forestry	Handicraft making	Aquaculture	Non-agricultural retail trading outlet	Other non-agricultural activities
	<i>Number</i>							
Total	109,097	43,701	43,715	55,107	13,707	1,009	13,648	33,470
Choiseul	5,910	3,279	4,356	2,385	2,430	116	1,511	1,202
Western	16,718	4,410	10,453	5,528	3,833	321	2,824	7,561
Isabel	6,732	3,271	4,283	2,690	2,101	16	798	1,931
Central	5,417	1,050	3,243	619	163	29	435	862
Rennell Bellona	708	307	264	642	361	-	92	509
Guadalcanal	23,712	10,131	5,610	21,671	1,320	404	2,850	3,269
Malaita	26,123	11,583	8,494	12,221	1,535	47	2,332	5,863
Makira	9,198	4,219	4,251	2,371	1,108	20	930	1,785
Temotu	4,768	3,889	2,761	2,462	379	12	701	1,476
Honiara	9,811	1,562	-	4,519	478	43	1,176	9,013
	<i>Percent (%)</i>							
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Choiseul	5.4	7.5	10.0	4.3	17.7	11.5	11.1	3.6
Western	15.3	10.1	23.9	10.0	28.0	31.8	20.7	22.6
Isabel	6.2	7.5	9.8	4.9	15.3	1.6	5.8	5.8
Central	5.0	2.4	7.4	1.1	1.2	2.9	3.2	2.6
Rennell Bellona	0.6	0.7	0.6	1.2	2.6	-	0.7	1.5
Guadalcanal	21.7	23.2	12.8	39.3	9.6	40.0	20.9	9.8
Malaita	23.9	26.5	19.4	22.2	11.2	4.7	17.1	17.5
Makira	8.4	9.7	9.7	4.3	8.1	2.0	6.8	5.3
Temotu	4.4	8.9	6.3	4.5	2.8	1.2	5.1	4.4
Honiara	9.0	3.6	-	8.2	3.5	4.3	8.6	26.9

Note: Values in this table are not directly comparable to tables reported in Chapter 6 as the source data originates from different survey questions. The estimates may represent more than one activity over the 12 months period reported.

5.4 Distribution of Household Agricultural Holdings into Parcels

Agricultural land is divided into an estimated 354,508 separate parcels, comprising 112,655 parcels of homestead agricultural land and a further 241,853 OSAL parcels.

It is common for agricultural holdings to include multiple parcels of land (**Table 5.4**). Half of all holdings have between two and three parcels, though an additional one-third of holdings in most provinces are between four and five parcels. Holdings of more than five parcels are relatively rare; though where they exist, they tend to be concentrated in the larger provinces of Makira, Malaita and Guadalcanal. In Makira, one-quarter of household have access to more than five parcels of agricultural land and 10 percent have more than eight parcels. In the more densely populated area of Honiara, 84 percent of holdings have access to only one parcel of land.

Table 5.4 Number of Household Agricultural Holdings by Sex of Head and Group of Parcels, by Province: 2017

	Number of Parcels							
	Total	%	1 parcel only	2 - 3 parcels	4 - 5 parcels	6 - 7 parcels	8 - 9 parcels	10+ parcels
Total								
Total	111,117	100.0	18,108	54,093	27,770	7,747	2,517	882
%	100.0		16.3	48.7	25.0	7.0	2.3	0.8
Choiseul	5,930	5.3	51	3,650	1,918	295	17	-
Western	17,530	15.8	686	12,462	3,825	506	51	-
Isabel	6,755	6.1	45	3,075	2,691	686	188	69
Central	5,489	4.9	55	2,955	1,908	491	67	14
Rennell Bellona	708	0.6	-	461	225	22	-	-
Guadalcanal	23,997	21.6	2,410	11,396	5,604	2,902	1,333	352
Malaita	26,678	24.0	6,438	11,423	7,528	1,016	273	-
Makira	9,309	8.4	29	4,411	2,509	1,420	540	400
Temotu	4,801	4.3	90	2,644	1,563	408	48	47
Honiara	9,921	8.9	8,305	1,616	-	-	-	-
Male-Headed Households								
Total	96,307	100.0	15,388	46,204	24,747	6,806	2,325	835
%	100.0		16.0	48.0	25.7	7.1	2.4	0.9
Choiseul	4,984	5.2	51	3,060	1,625	231	17	-
Western	15,353	15.9	560	10,876	3,393	473	51	-
Isabel	6,106	6.3	45	2,738	2,477	588	188	69
Central	4,991	5.2	42	2,676	1,756	450	53	14
Rennell Bellona	558	0.6	-	352	190	16	-	-
Guadalcanal	20,534	21.3	2,020	9,609	4,846	2,528	1,179	352
Malaita	23,472	24.4	5,571	9,835	6,942	850	273	-
Makira	8,081	8.4	29	3,805	2,116	1,263	515	353
Temotu	3,949	4.1	69	1,975	1,402	408	48	47
Honiara	8,279	8.6	7,001	1,278	-	-	-	-
Female-Headed Households								
Total	14,811	100.0	2,720	7,889	3,023	940	192	47
%	100.0		18.4	53.3	20.4	6.3	1.3	0.3
Choiseul	947	6.4	-	590	293	64	-	-
Western	2,177	14.7	125	1,586	432	33	-	-
Isabel	649	4.4	-	337	213	99	-	-
Central	498	3.4	13	279	151	41	14	-
Rennell Bellona	149	1.0	-	109	34	6	-	-
Guadalcanal	3,463	23.4	390	1,788	758	374	154	-
Malaita	3,206	21.6	866	1,588	586	166	-	-
Makira	1,227	8.3	-	605	392	158	25	47
Temotu	852	5.8	21	669	162	-	-	-
Honiara	1,642	11.1	1,304	338	-	-	-	-

In most provinces, the profile of homestead land tends to be a combination of smaller parcels of less than one hectare as well as parcels between 10 and 20 hectares (**Table 5.5**). Homestead parcels in excess of 20 hectares are relatively rare, accounting for only 5 percent of holdings, with most located in Guadalcanal.

Table 5.5 Number of Parcels in Homestead Land, by Size of Parcels and Sex of Head, by Province: 2017

	Area (hectares)								
	Total	%	0 - 0.999 hectares	1 - 3.999 hectares	4.000 - 9.999 hectares	10.000 - 19.999 hectares	20.000 - 49.999 hectares	50.000 - 99.999 hectares	100+ hectares
Total									
Total	112,655	100.0	78,109	2,970	8,236	18,263	4,989	88	-
%	100.0		69.3	2.6	7.3	16.2	4.4	0.1	-
Choiseul	5,955	5.3	2,704	413	814	1,715	308	-	-
Western	17,869	15.9	15,406	248	604	1,338	274	-	-
Isabel	6,800	6.0	5,490	231	407	611	61	-	-
Central	5,489	4.9	4,167	86	300	763	173	-	-
Rennell Bellona	710	0.6	519	29	52	88	22	-	-
Guadalcanal	23,997	21.3	14,125	540	2,200	5,329	1,738	65	-
Malaita	26,984	24.0	19,981	728	1,843	3,821	612	-	-
Makira	10,023	8.9	7,365	128	443	1,343	743	-	-
Temotu	4,801	4.3	1,965	267	493	1,401	651	24	-
Honiara	10,027	8.9	6,387	301	1,079	1,855	406	-	-
Male-Headed Households									
Total	97,653	100.0	68,447	2,549	7,021	15,290	4,258	88	-
%	100.0		70.1	2.6	7.2	15.7	4.4	0.1	-
Choiseul	5,008	5.1	2,392	303	589	1,439	285	-	-
Western	15,707	16.1	13,462	232	569	1,210	235	-	-
Isabel	6,151	6.3	4,990	231	371	536	23	-	-
Central	4,991	5.1	3,699	86	300	733	173	-	-
Rennell Bellona	561	0.6	397	27	44	73	20	-	-
Guadalcanal	20,534	21.0	12,311	471	1,821	4,501	1,366	65	-
Malaita	23,778	24.3	17,612	633	1,712	3,249	572	-	-
Makira	8,611	8.8	6,516	101	336	1,028	629	-	-
Temotu	3,949	4.0	1,702	238	385	1,033	567	24	-
Honiara	8,364	8.6	5,366	229	893	1,489	388	-	-
Female-Headed Households									
Total	15,002	100.0	9,662	421	1,215	2,973	730	-	-
%	100.0		64.4	2.8	8.1	19.8	4.9	-	-
Choiseul	947	6.3	311	110	226	277	23	-	-
Western	2,162	14.4	1,944	17	34	128	39	-	-
Isabel	649	4.3	500	-	36	75	38	-	-
Central	498	3.3	468	-	-	30	-	-	-
Rennell Bellona	149	1.0	122	2	8	15	2	-	-
Guadalcanal	3,463	23.1	1,815	69	379	828	373	-	-
Malaita	3,206	21.4	2,369	95	131	572	40	-	-
Makira	1,412	9.4	849	28	107	315	114	-	-
Temotu	852	5.7	263	29	108	368	84	-	-
Honiara	1,663	11.1	1,021	72	186	366	18	-	-

The large majority of OSAL tends to be a combination of smaller parcels – generally less than four-hectares (Table 5.6). There are relatively few parcels (less than 3 percent) of OSAL greater than 10 hectares. Where they exist, larger OSAL parcels tends to be concentrated in Makira. Roughly, the average parcel size of other separate agricultural land parcels is 2.8 hectares. Makira has a largest average OSAL parcel size with 6.1 hectares. In the smaller island-based provinces of Isabel and Rennell Bellona, the average size is less than one hectare.

Table 5.6 Number of Parcels in Other Separate Agricultural Land, by Size of Parcels, Sex of Head, by Province: 2017

	Area (hectares)								
	Total	%	0 - 0.999 hectares	1 - 3.999 hectares	4.000 - 9.999 hectares	10.000 - 19.999 hectares	20.000 - 49.999 hectares	50.000 - 99.999 hectares	100+ hectares
Total									
Total	241,853	100.0	158,659	66,651	9,575	2,018	2,549	1,994	407
%	100.0		65.6	27.6	4.0	0.8	1.1	0.8	0.2
Choiseul	13,992	5.8	7,430	5,641	814	107	-	-	-
Western	34,314	30.5	10,539	20,045	2,620	833	204	35	39
Isabel	19,625	17.4	16,303	2,722	504	63	33	-	-
Central	14,362	12.7	13,535	786	41	-	-	-	-
Rennell Bellona	1,596	1.4	1,565	3	-	18	5	3	3
Guadalcanal	64,210	57.0	53,504	8,822	1,309	133	191	115	135
Malaita	48,776	43.3	36,147	9,304	2,690	288	75	75	196
Makira	30,597	27.2	10,258	14,741	1,374	438	2,040	1,731	14
Temotu	12,800	11.4	8,227	4,211	223	139	-	-	-
Honiara	1,581	1.4	1,150	376	-	-	-	36	19
Male-Headed Households									
Total	213,751	100.0	139,336	59,199	8,919	1,909	2,302	1,801	284
%	100.0		65.2	27.7	4.2	0.9	1.1	0.8	0.1
Choiseul	11,715	5.5	6,226	4,656	726	107	-	-	-
Western	30,601	14.3	9,349	17,845	2,425	800	108	35	39
Isabel	17,882	8.4	14,751	2,546	488	63	33	-	-
Central	13,136	6.1	12,352	743	41	-	-	-	-
Rennell Bellona	1,261	0.6	1,238	-	-	18	5	-	-
Guadalcanal	56,164	26.3	46,580	7,789	1,267	133	191	115	90
Malaita	43,650	20.4	32,015	8,521	2,555	288	75	75	121
Makira	26,975	12.6	8,864	13,060	1,245	362	1,889	1,541	14
Temotu	11,103	5.2	7,111	3,681	173	139	-	-	-
Honiara	1,263	0.6	851	357	-	-	-	36	19
Female-Headed Households									
Total	28,102	100.0	19,323	7,452	656	109	246	193	123
%	100.0		68.8	26.5	2.3	0.4	0.9	0.7	0.4
Choiseul	2,277	8.1	1,204	985	88	-	-	-	-
Western	3,712	13.2	1,189	2,200	195	32	96	-	-
Isabel	1,743	6.2	1,552	176	15	-	-	-	-
Central	1,225	4.4	1,183	42	-	-	-	-	-
Rennell Bellona	336	1.2	327	3	-	-	-	3	3
Guadalcanal	8,045	28.6	6,925	1,033	42	-	-	-	45
Malaita	5,126	18.2	4,133	783	135	-	-	-	75
Makira	3,623	12.9	1,395	1,681	130	77	150	190	-
Temotu	1,696	6.0	1,117	529	50	-	-	-	-
Honiara	318	1.1	299	19	-	-	-	-	-

5.5 Main Land Uses of Parcels

Homestead parcels of agricultural land have a variety of uses, including residential dwellings, home gardens and animal yards (Table 5.7). Across the country, almost all of the 112,655 homestead parcels include residential buildings. In addition, more than half of homestead parcels nationwide are used for home gardens. In Western and Malaita Provinces, around three-quarters of homestead parcels include gardens, while in Honiara, Temotu and Central Provinces it is fewer than one-quarter of parcels. In general, home gardens account for an estimated 92,595 hectares of homestead land, or around 20 percent of the total homestead land area available. In Temotu and Central Province, home gardens account for less than 10

percent of the area of homestead land (**Table 5.8**). Using homestead land for animal yards is most common in Malaita and Guadalcanal. While around half of all homestead parcels have unused/barren land, the overall size of unused land tends to be relatively small. Exceptions are Isabel, Central Province and Malaita. In general, there is little difference in the way that male- and female-headed households use parcels of homestead land.

Table 5.7 Number and Percent of Parcels in Homestead Land Reporting Main Use, by Type of Main Land Use and Sex of Head, by Province: 2017

	Type of Main Land Use									
	Residential building	%	Home garden	%	Animal yard	%	Unused/barren/idle land	%	Other land	%
Total										
Total	111,798	100.0	64,560	100.0	18,341	100.0	53,884	100.0	49,335	100.0
Choiseul	5,955	5.3	3,662	5.7	698	3.8	3,779	7.0	4,805	9.7
Western	17,413	15.6	12,948	20.1	1,507	8.2	5,157	9.6	4,324	8.8
Isabel	6,713	6.0	2,356	3.6	1,208	6.6	2,195	4.1	324	0.7
Central	5,476	4.9	1,189	1.8	372	2.0	2,926	5.4	3,030	6.1
Rennell Bellona	710	0.6	267	0.4	17	0.1	363	0.7	460	0.9
Guadalcanal	23,997	21.5	15,796	24.5	5,106	27.8	10,535	19.6	10,864	22.0
Malaita	26,749	23.9	20,569	31.9	7,800	42.5	17,023	31.6	9,760	19.8
Makira	10,023	9.0	5,163	8.0	557	3.0	4,138	7.7	4,012	8.1
Temotu	4,801	4.3	954	1.5	485	2.6	3,953	7.3	4,009	8.1
Honiara	9,961	8.9	1,657	2.6	591	3.2	3,814	7.1	7,747	15.7
Male-Headed Households										
Total	96,885	100.0	56,194	100.0	16,801	100.0	46,521	100.0	42,921	100.0
Choiseul	5,008	5.2	3,136	5.6	646	3.8	3,115	6.7	4,039	9.4
Western	15,291	15.8	11,350	20.2	1,420	8.5	4,628	9.9	3,889	9.1
Isabel	6,083	6.3	2,061	3.7	1,105	6.6	1,964	4.2	308	0.7
Central	4,978	5.1	1,093	1.9	360	2.1	2,708	5.8	2,840	6.6
Rennell Bellona	561	0.6	221	0.4	17	0.1	286	0.6	369	0.9
Guadalcanal	20,534	21.2	13,552	24.1	4,539	27.0	9,058	19.5	9,397	21.9
Malaita	23,574	24.3	18,231	32.4	7,322	43.6	14,776	31.8	8,907	20.8
Makira	8,611	8.9	4,367	7.8	509	3.0	3,491	7.5	3,416	8.0
Temotu	3,949	4.1	860	1.5	412	2.5	3,165	6.8	3,308	7.7
Honiara	8,298	8.6	1,323	2.4	472	2.8	3,329	7.2	6,447	15.0
Female-Headed Households										
Total	14,913	100.0	8,366	100.0	1,540	100.0	7,364	100.0	6,414	100.0
Choiseul	947	6.4	526	6.3	51	3.3	664	9.0	766	11.9
Western	2,123	14.2	1,598	19.1	87	5.6	529	7.2	435	6.8
Isabel	630	4.2	295	3.5	104	6.8	231	3.1	16	0.2
Central	498	3.3	95	1.1	13	0.8	218	3.0	190	3.0
Rennell Bellona	149	1.0	46	0.5	-	-	77	1.0	91	1.4
Guadalcanal	3,463	23.2	2,243	26.8	567	36.8	1,477	20.1	1,467	22.9
Malaita	3,175	21.3	2,338	27.9	478	31.0	2,247	30.5	852	13.3
Makira	1,412	9.5	796	9.5	48	3.1	647	8.8	596	9.3
Temotu	852	5.7	94	1.1	73	4.7	788	10.7	702	10.9
Honiara	1,663	11.2	334	4.0	119	7.7	485	6.6	1,300	20.3

Note: There may be multiple main uses per land parcel

Table 5.8 Area of Parcels (hectares) in Homestead Land, by Type of Main Land Use and Sex of Head, by Province: 2017

	Type of Main Land Use									
	Residential building (hectares)		Home garden (hectares)		Animal yard (hectares)		Unused/ barren /idle (hectares)		Other land (hectares)	
		%		%		%		%		%
Total										
Total	180,542.06	100.0	92,594.92	100.0	56,001.21	100.0	81,339.56	100.0	66,058.77	100.0
Choiseul	23,023.11	12.8	10,357.97	11.2	2,946.39	5.3	1,704.26	2.1	1,924.99	2.9
Western	13,240.15	7.3	10,039.76	10.8	4,903.93	8.8	3,748.17	4.6	1,598.98	2.4
Isabel	2,085.74	1.2	2,870.11	3.1	2,207.71	3.9	6,212.00	7.6	288.45	0.4
Central	6,524.69	3.6	1,279.61	1.4	2,044.56	3.7	6,626.89	8.1	2,444.15	3.7
Rennell Bellona	1,468.34	0.8	504.16	0.5	63.06	0.1	299.61	0.4	210.55	0.3
Guadalcanal	52,387.08	29.0	28,991.45	31.3	21,627.47	38.6	26,102.36	32.1	18,549.11	28.1
Malaïta	16,084.80	8.9	21,369.00	23.1	16,630.92	29.7	23,726.68	29.2	6,523.27	9.9
Makira	16,998.41	9.4	10,639.77	11.5	1,567.68	2.8	8,152.01	10.0	8,303.04	12.6
Temotu	20,762.00	11.5	1,339.94	1.4	1,506.53	2.7	2,053.87	2.5	17,925.90	27.1
Honiara	27,967.75	15.5	5,203.14	5.6	2,502.98	4.5	2,713.71	3.3	8,290.36	12.5
Male-Headed Households										
Total	151,441.88	100.0	79,686.25	100.0	50,481.97	100.0	69,370.33	100.0	53,068.30	100.0
Choiseul	19,660.66	13.0	8,543.62	10.7	2,497.73	4.9	1,351.75	1.9	1,788.78	3.4
Western	11,289.19	7.5	9,076.32	11.4	4,516.00	8.9	3,708.80	5.3	1,289.57	2.4
Isabel	1,359.18	0.9	2,340.11	2.9	1,570.87	3.1	5,486.74	7.9	288.4	0.5
Central	6,509.93	4.3	1,276.10	1.6	2,044.54	4.1	6,622.43	9.5	2,025.43	3.8
Rennell Bellona	1,233.68	0.8	432.49	0.5	63.06	0.1	228.1	0.3	204.98	0.4
Guadalcanal	46,015.73	30.4	25,422.97	31.9	18,965.74	37.6	19,653.33	28.3	13,448.65	25.3
Malaïta	12,318.32	8.1	18,321.61	23.0	16,627.48	32.9	20,931.68	30.2	6,509.02	12.3
Makira	13,536.18	8.9	8,986.12	11.3	1,169.16	2.3	7,061.30	10.2	6,120.91	11.5
Temotu	16,708.55	11.0	1,159.62	1.5	1,190.14	2.4	1,637.26	2.4	14,230.51	26.8
Honiara	22,810.46	15.1	4,127.29	5.2	1,837.24	3.6	2,688.95	3.9	7,162.03	13.5
Female-Headed Households										
Total	29,100.18	100.0	12,908.67	100.0	5,519.25	100.0	11,969.24	100.0	12,990.48	100.0
Choiseul	3,362.45	11.6	1,814.35	14.1	448.65	8.1	352.51	2.9	136.2	1.0
Western	1,950.95	6.7	963.45	7.5	387.93	7.0	39.38	0.3	309.41	2.4
Isabel	726.56	2.5	530	4.1	636.84	11.5	725.25	6.1	0.05	0.0
Central	14.76	0.1	3.51	0.0	0.03	0.0	4.47	0.0	418.71	3.2
Rennell Bellona	234.66	0.8	71.67	0.6	-	-	71.51	0.6	5.57	0.0
Guadalcanal	6,371.35	21.9	3,568.48	27.6	2,661.73	48.2	6,449.02	53.9	5,100.45	39.3
Malaïta	3,766.48	12.9	3,047.39	23.6	3.43	0.1	2,795.00	23.4	14.25	0.1
Makira	3,462.23	11.9	1,653.65	12.8	398.52	7.2	1,090.71	9.1	2,182.13	16.8
Temotu	4,053.45	13.9	180.32	1.4	316.39	5.7	416.61	3.5	3,695.38	28.4
Honiara	5,157.29	17.7	1,075.85	8.3	665.74	12.1	24.77	0.2	1,128.32	8.7

Note: As multiple main uses could be reported per parcel, the areas presented do not represent the area of the entire parcel under a single main land use; when applicable, respondents were able to report portions of the total parcel area under particular main uses

OSAL can also have varying uses, including the production of crops, animal yards, and farming (**Table 5.9**). In general, the most common use of OSAL is crop production. Across all provinces, 34 percent of OSAL (in hectares) is used for annual crop production while a further 28 percent is used for perennial crop production (**Table 5.10**). In general, annuals – which have a one-year growing cycle – were a more popular crop overall and were much more common in Rennell Bellona and Central Provinces, though perennials – which do not have to be replanted for at least several years – were most common in Choiseul and Makira. Though across all provinces, more hectares of OSAL were dedicated to annual crops; this was consistent across both male- and female-headed households.

Table 5.9 Number of OSAL Parcels Reporting Main Use, by Type of Main Land Use and Sex of Head, by Province: 2017

	Type of Main Land Use							
	Perennial crop	Annual crop	Animal yard	Pasture	Farm building	Fallow	Unused/ barren /idle land	Other land
Total								
Total	99,834	141,818	3,581	9,087	2,873	35,034	60,514	38,434
Choiseul	7,886	9,031	161	1,703	56	3,254	7,367	4,881
Western	13,939	18,254	535	1,117	1,379	8,076	11,712	5,684
Isabel	5,918	11,589	204	87	16	2,860	886	73
Central	4,212	10,551	12	31	46	3,511	787	1,893
Rennell Bellona	240	1,318	-	-	-	288	80	26
Guadalcanal	27,857	35,510	897	595	1,031	6,414	12,034	10,765
Malaita	18,327	31,164	1,107	1,955	122	3,366	15,455	11,108
Makira	15,500	16,725	261	2,311	142	4,570	9,523	1,997
Temotu	5,448	6,599	275	1,191	52	2,695	2,334	1,600
Honiara	508	1,077	131	96	31	-	335	408
Male-Headed Households								
Total	89,246	123,960	3,218	7,877	2,728	31,026	52,482	34,039
Choiseul	6,582	7,565	131	1,396	39	2,753	5,994	4,105
Western	12,650	16,167	406	901	1,263	7,485	10,245	4,969
Isabel	5,334	10,454	204	57	16	2,584	790	57
Central	3,873	9,643	12	31	33	3,210	746	1,741
Rennell Bellona	188	1,058	-	-	-	206	51	14
Guadalcanal	24,942	30,602	786	595	1,031	5,507	10,573	9,694
Malaita	16,885	27,343	1,077	1,575	122	2,989	13,597	10,049
Makira	13,813	14,680	236	2,148	142	3,998	8,263	1,695
Temotu	4,546	5,615	237	1,078	52	2,294	1,987	1,358
Honiara	433	834	131	96	31	-	238	357
Female-Headed Households								
Total	10,588	17,858	363	1,211	145	4,008	8,032	4,395
Choiseul	1,305	1,466	30	308	17	502	1,373	776
Western	1,289	2,088	129	215	115	591	1,468	715
Isabel	584	1,135	-	31	-	276	97	15
Central	339	908	-	-	13	300	40	152
Rennell Bellona	51	260	-	-	-	81	30	11
Guadalcanal	2,914	4,908	111	-	-	907	1,462	1,071
Malaita	1,442	3,821	30	380	-	377	1,858	1,059
Makira	1,687	2,045	25	163	-	572	1,260	302
Temotu	903	985	38	113	-	401	347	242
Honiara	75	243	-	-	-	-	98	51

Table 5.10 Area of Parcels (hectares) in OSAL Reporting Main Use, by Type of Main Land Use and Sex of Head, by Province: 2017

	Type of Main Land Use							
	Perennial crop (ha)	Annual crop (ha)	Animal yard (ha)	Pasture (ha)	Farm building (ha)	Fallow (ha)	Unused/ barren /idle land (ha)	Other land (ha)
Total								
Total	188,333.98	230,861.68	5,705.35	19,460.98	1,163.48	22,904.56	157,309.68	56,424.71
Choiseul	7,208.32	2,813.64	74.12	1,041.11	35.65	1,116.71	3,372.56	1,533.62
Western	18,527.72	11,216.36	1,933.43	1,043.56	933.26	5,355.01	26,214.61	4,413.81
Isabel	4,794.76	2,814.28	44.75	33.32	0.02	1,219.02	2,628.55	44.68
Central	16,463.79	1,319.58	0.53	1.57	1.77	421.98	103.80	495.23
Rennell Bellona	229.17	369.67	-	-	-	207.33	242.46	2.88
Guadalcanal	23,026.56	139,610.36	822.86	2,329.34	85.56	6,464.09	10,572.06	11,492.59
Malaita	79,598.84	10,146.73	2,660.43	275.09	0.27	1,156.94	56,485.01	2,386.97
Makira	34,271.31	59,988.18	94.04	14,455.85	100.46	6,150.31	53,207.48	18,485.65
Temotu	3,956.97	2,406.54	61.55	267.52	4.33	813.16	3,404.79	705.35
Honiara	256.54	176.34	13.62	13.61	2.16	-	1,078.34	16,863.93

Male-Headed Households								
Total	122,122.98	199,223.67	5,578.14	18,794.42	1,067.18	20,402.70	141,603.68	54,246.68
Choiseul	6,241.07	2,471.71	49.30	853.45	1.95	939.50	2,847.39	1,367.53
Western	16,541.44	10,116.21	1,906.38	829.61	870.78	4,874.39	23,482.24	3,455.24
Isabel	4,509.00	2,542.16	44.75	25.58	0.02	1,209.08	2,487.81	6.08
Central	13,881.09	1,206.21	0.53	1.57	1.64	394.70	101.06	465.38
Rennell Bellona	85.60	257.76	-	-	-	63.95	38.42	2.84
Guadalcanal	21,294.19	115,382.27	821.21	2,329.34	85.56	6,306.15	10,378.36	11,408.67
Malaita	26,728.16	9,283.48	2,601.03	244.24	0.27	1,059.60	51,508.83	2,305.85
Makira	29,186.37	55,700.63	81.66	14,240.57	100.46	4,825.16	46,681.27	17,743.79
Temotu	3,464.89	2,153.85	59.65	256.45	4.33	730.16	3,009.49	631.23
Honiara	191.16	109.40	13.62	13.61	2.16	-	1,068.80	16,860.08
Female-Headed Households								
Total	66,210.99	31,638.01	127.21	666.56	96.30	2,501.86	15,706.00	2,178.03
Choiseul	967.25	341.93	24.82	187.66	33.70	177.21	525.17	166.09
Western	1,986.28	1,100.15	27.05	213.96	62.48	480.62	2,732.37	958.57
Isabel	285.75	272.13	-	7.73	-	9.94	140.74	38.59
Central	2,582.69	113.37	-	-	0.13	27.27	2.75	29.85
Rennell Bellona	143.57	111.91	-	-	-	143.38	204.03	0.05
Guadalcanal	1,732.36	24,228.09	1.66	-	-	157.94	193.70	83.92
Malaita	52,870.68	863.25	59.40	30.85	-	97.35	4,976.18	81.12
Makira	5,084.94	4,287.54	12.38	215.28	-	1,325.15	6,526.21	741.87
Temotu	492.09	252.70	1.91	11.07	-	83.00	395.30	74.12
Honiara	65.37	66.94	-	-	-	-	9.54	3.84

Note: As multiple main uses could be reported per parcel, the areas presented do not represent the area of the entire parcel under a single main land use; when applicable, respondents were able to report portions of the total parcel area under particular main uses

Table 5.11 Number of Major Crops by Number of Household Agricultural Holdings and Share of Area Planted

Major Crops	Number of Holdings	Share (%) of Area Planted*
Coconut	38,296	15.5%
Kumara	78,133	14.8%
Cassava	74,076	13.4%
Cocoa	17,847	10.5%
Pomelo	1,398	5.8%

* Relative to total area of household agricultural holdings

5.6 Land Tenure of the Parcels

Agricultural land can be held under a number of different tenure arrangements, including ownership, lease agreements of varying time frames, and customary arrangements. Homestead land is generally owned or held in customary tenure, while lease arrangements are relatively rare (**Figure 5.2, Table 5.12**). Customary tenure is most common in Isabel, Guadalcanal, Malaita and Temotu. Indeed, almost all homestead agricultural land in Isabel is held under customary tenure. In contrast, customary tenure for homestead land is much less common in Western and Central Provinces and almost non-existent in Honiara. Private ownership is more common in these areas, with leases also prevalent in Honiara.

Similarly, OSAL also tends to be owned or held in customary tenure, though the profile is tilted more toward customary arrangements in almost all provinces (**Figure 5.3; Table 5.13**).

Figure 5.2 Percent of Area of Parcels Under Homestead Land by Land Tenure and Province: 2017

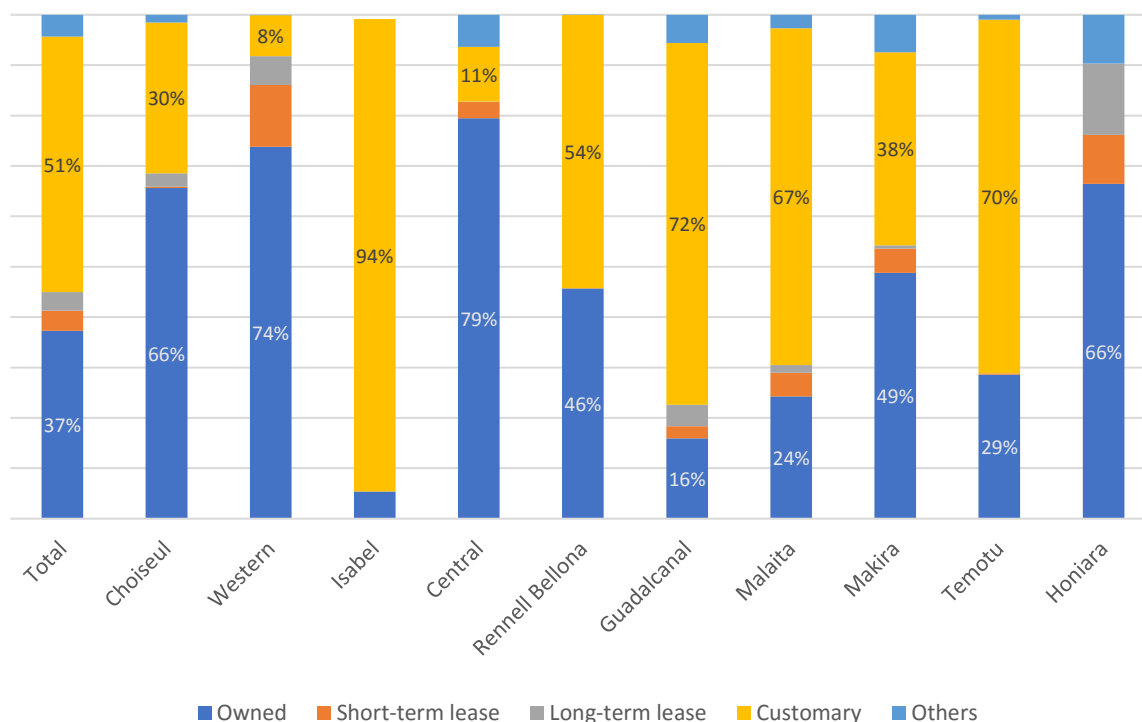


Figure 5.3 Percent of Area of Parcels Under Other Separate Agricultural Land by Land Tenure and Province: 2017

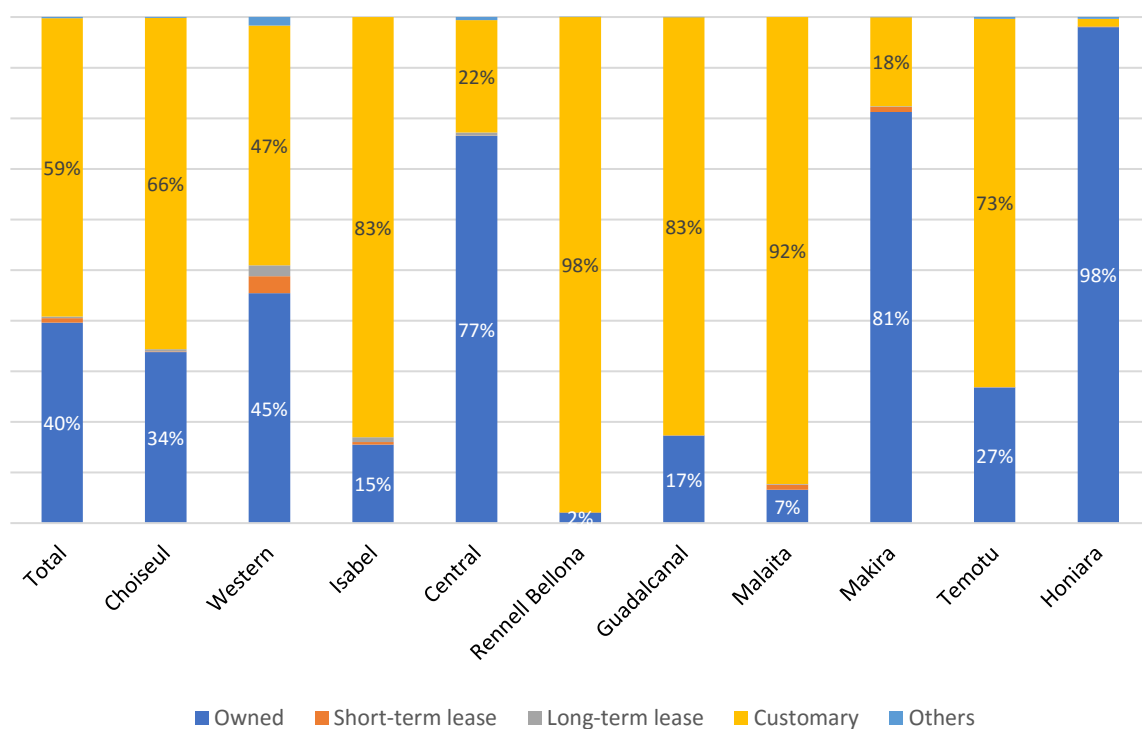


Table 5.12 Number and Area (hectares) of Homestead Land Parcels by Land Tenure and Sex of Head, by Province: 2017

	Land Tenure											
	Total		Owned		Short-term lease		Long-term lease		Customary		Others	
	Number of parcels	Area	Number of parcels	Area	Number of parcels	Area	Number of parcels	Area	Number of parcels	Area	Number of parcels	Area
Total												
Total	112,655	476,536.53	46,997	177,638.10	3,811	19,222.90	4,195	17,561.78	52,975	241,356.88	4,676	20,756.88
%	100.0	100.0	41.7	37.3	3.4	4.0	3.7	3.7	47.0	50.6	4.2	4.4
Choiseul	5,955	39,956.72	3,806	26,212.94	92	101.29	132	1,069.34	1,838	11,970.65	87	602.50
Western	17,869	33,530.99	11,981	24,758.38	1,020	4,100.95	1,450	1,921.97	2,862	2,730.49	556	19.20
Isabel	6,800	13,664.00	378	733.78	-	-	50	116.95	6,350	12,812.90	21	0.37
Central	5,489	18,919.90	3,451	15,036.40	134	616.77	81	2.55	1,223	2,055.89	599	1,208.29
Rennell Bellona	710	2,545.72	338	1,162.80	6	0.19	6	1.65	349	1,380.45	12	0.62
Guadalcanal	23,997	147,657.46	3,883	23,511.09	516	3,599.82	460	6,280.61	17,928	105,966.69	1,210	8,299.24
Malaita	26,984	84,334.67	8,497	20,474.62	668	3,950.29	302	1,274.96	16,664	56,348.82	854	2,285.98
Makira	10,023	45,660.90	6,410	22,268.75	306	2,224.27	222	267.90	2,772	17,503.02	313	3,396.96
Temotu	4,801	43,588.23	1,671	12,459.14	31	109.13	-	-	2,990	30,587.96	110	432.00
Honiara	10,027	46,677.94	6,582	31,020.18	1,039	4,520.19	1,492	6,625.85	-	-	914	4,511.72
Male-Headed Households												
Total	97,653	404,048.72	40,591	153,787.39	3,222	15,452.31	3,713	15,075.36	46,101	201,453.42	4,025	18,280.26
%	100.0	100.0	41.6	38.1	3.3	3.8	3.8	3.7	47.2	49.9	4.1	4.5
Choiseul	5,008	33,842.55	3,141	22,227.37	65	100.79	132	1,069.34	1,612	9,888.90	59	556.16
Western	15,707	29,879.88	10,519	21,452.18	1,020	4,100.95	1,285	1,625.52	2,391	2,683.27	491	17.96
Isabel	6,151	11,045.29	345	733.14	-	-	50	116.95	5,734	10,194.83	21	0.37
Central	4,991	18,478.42	3,146	14,828.85	126	616.16	81	2.55	1,087	1,824.74	551	1,206.13
Rennell Bellona	561	2,162.31	267	1,107.62	6	0.19	6	1.65	271	1,052.22	12	0.62
Guadalcanal	20,534	123,506.43	3,293	20,024.50	445	2,944.65	307	4,097.08	15,584	89,858.84	905	6,581.35
Malaita	23,778	74,708.11	7,500	20,217.91	635	3,930.58	260	1,272.45	14,528	47,001.20	854	2,285.98
Makira	8,611	36,873.67	5,405	16,861.05	228	1,351.30	195	266.54	2,502	15,251.69	281	3,143.08
Temotu	3,949	34,926.09	1,447	10,696.66	10	108.61	-	-	2,391	23,697.72	100	423.09
Honiara	8,364	38,625.97	5,529	25,638.11	687	2,299.08	1,398	6,623.28	-	-	751	4,065.50
Female-Headed Households												
Total	15,002	72,487.81	6,406	23,850.71	589	3,770.59	482	2,486.42	6,874	39,903.47	651	2,476.62
%	100.0	100.0	42.7	32.9	3.9	5.2	3.2	3.4	45.8	55.0	4.3	3.4
Choiseul	947	6,114.16	665	3,985.58	27	0.50	-	-	226	2,081.75	28	46.33
Western	2,162	3,651.11	1,462	3,306.21	-	-	165	296.45	470	47.22	65	1.24
Isabel	649	2,618.71	33	0.64	-	-	-	-	616	2,618.07	-	-
Central	498	441.48	305	207.55	9	0.61	-	-	136	231.15	48	2.16
Rennell Bellona	149	383.40	72	55.17	-	-	-	-	78	328.23	-	-
Guadalcanal	3,463	24,151.03	591	3,486.59	70	655.17	153	2,183.53	2,344	16,107.85	305	1,717.89
Malaita	3,206	9,626.55	997	256.71	33	19.72	41	2.50	2,136	9,347.62	-	-
Makira	1,412	8,787.23	1,005	5,407.70	77	872.97	28	1.36	270	2,251.33	32	253.87
Temotu	852	8,662.14	223	1,762.49	20	0.51	-	-	598	6,890.24	10	8.90
Honiara	1,663	8,051.97	1,053	5,382.07	353	2,221.11	95	2.57	-	-	163	446.22

Table 5.13 Number and Area (hectares) of OSAL Parcels by Land Tenure, Province: 2017

	Land tenure											
	Total		Owned		Short-term lease		Long-term lease		Customary		Others	
	Number of parcels	Area (ha)	Number of parcels	Area (ha)	Number of parcels	Area (ha)	Number of parcels	Area (ha)	Number of parcels	Area (ha)	Number of parcels	Area (ha)
Total												
Total	241,853	682,164	71,546	270,180	4,041	5,941	3,107	2,245	159,959	402,332	3,201	1,466
%	100.0	100.0	29.6	39.6	1.7	0.9	1.3	0.3	66.1	59.0	1.3	0.2
Choiseul	13,992	17,196	6,617	5,813	34	17	53	80	7,160	11,264	128	22
Western	34,314	69,638	15,322	31,625	1,523	2,365	1,038	1,470	15,632	33,026	799	1,152
Isabel	19,625	11,579	746	1,793	32	63	39	108	18,808	9,616	-	-
Central	14,362	18,808	6,987	14,391	251	15	195	112	5,869	4,177	1,060	114
Rennell Bellona	1,596	1,052	664	22	10	<1	-	-	917	1,029	6	<1
Guadalcanal	64,210	194,403	6,304	33,585	428	10	1,025	95	55,692	160,659	761	54
Malaita	48,776	152,710	13,158	10,037	1,276	1,616	358	132	33,985	140,926	-	-
Makira	30,597	186,753	16,760	151,769	392	1,823	337	239	13,057	32,907	52	16
Temotu	12,800	11,620	4,292	3,111	31	3	18	10	8,374	8,456	84	41
Honiara	1,581	18,405	696	18,036	64	30	45	<1	466	271	310	67

5.7 Land Status of Parcels

Among agricultural holdings that are owned, there can be varying ownership arrangements, including customary ownership, private ownership and ownership by other parties, such as the church. Private ownership accounts for the clear majority of homestead land in Honiara, Makira, Isabel and Central Province. In contrast, in Temotu, Malaita and Rennell Bellona, customary ownership is most common (**Table 5.14**). In Rennell Bellona, almost all homestead land is on customary ownership. In Guadalcanal and Western Provinces, the state owns a considerable share of homestead agricultural land, accounting for 16 percent and 11 percent of homestead land in the province, respectively. Private ownership of homestead land is much more common among male-headed households in Choiseul and Temotu. Customary ownership is more common among male-headed households in Isabel, Central and Malaita Provinces.

Table 5.14 Number of Parcels Owned in Homestead Land by Land Status and Documentary Evidence and Sex of Head, by Province: 2017

	Land Status						Customary Evidence			
	Total	Customary	Private	State	Church	Other	Total	Yes	No	Don't Know
Total										
Total	46,997	19,390	25,033	2,150	147	277	19,390	9,968	8,734	689
%	100	41.3	53.3	4.6	0.3	0.6	100	51.4	45.0	3.6
Choiseul	3,806	2,262	1,302	-	18	225	2,262	621	1,178	463
Western	11,981	3,977	6,615	1,315	73	-	3,977	1,751	2,226	-
Isabel	378	64	314	-	-	-	64	49	-	15
Central	3,451	762	2,664	-	25	-	762	540	140	81
Rennell Bellona	338	336	3	-	-	-	336	12	324	-
Guadalcanal	3,883	2,013	1,231	640	-	-	2,013	1,696	317	-
Malaita	8,497	7,418	1,079	-	-	-	7,418	4,246	3,056	116
Makira	6,410	1,119	5,227	14	16	34	1,119	610	508	-
Temotu	1,671	1,316	317	23	15	-	1,316	377	926	13
Honiara	6,582	125	6,281	158	-	18	125	66	59	-

Male-Headed Households										
Total	40,591	16,746	21,607	1,894	132	213	16,746	8,502	7,659	584
%	100	41.3	53.2	4.7	0.3	0.5	100	50.8	45.7	3.5
Choiseul	3,141	1,941	1,021	-	18	161	1,941	570	981	390
Western	10,519	3,464	5,789	1,193	73	-	3,464	1,564	1,901	-
Isabel	345	49	297	-	-	-	49	49	-	-
Central	3,146	666	2,455	-	25	-	666	489	111	66
Rennell Bellona	267	264	3	-	-	-	264	6	258	-
Guadalcanal	3,293	1,721	1,048	524	-	-	1,721	1,404	317	-
Malaita	7,500	6,454	1,046	-	-	-	6,454	3,557	2,781	116
Makira	5,405	918	4,422	14	16	34	918	488	429	-
Temotu	1,447	1,164	261	23	-	-	1,164	329	823	13
Honiara	5,529	106	5,265	140	-	18	106	47	59	-
Female-Headed Households										
Total	6,406	2,645	3,426	256	15	64	2,645	1,466	1,075	104
%	100	41.3	53.5	4.0	0.2	1.0	100	55.4	40.6	3.9
Choiseul	665	321	280	-	-	64	321	50	197	73
Western	1,462	513	826	123	-	-	513	188	325	-
Isabel	33	15	17	-	-	-	15	-	-	15
Central	305	96	209	-	-	-	96	51	30	15
Rennell Bellona	72	72	-	-	-	-	72	6	66	-
Guadalcanal	591	292	183	115	-	-	292	292	-	-
Malaita	997	964	33	-	-	-	964	689	275	-
Makira	1,005	201	805	-	-	-	201	122	79	-
Temotu	223	152	57	-	15	-	152	49	103	-
Honiara	1,053	19	1,016	18	-	-	19	19	-	-

Note: Customary evidence is either through land titles or clan recognition

Similar to homestead land, private ownership accounts for the clear majority of OSAL in Honiara, Makira and Central Province, while customary ownership is predominant in Temotu, Malaita and Rennell Bellona (**Table 5.15**). The state also owns a material share of OSAL parcels in Guadalcanal and Western Provinces.

Documented recognised evidence of customary ownership over homestead land is evident in around half of all cases, though less than one-third in Choiseul and Temotu and slightly less than 5 percent in Rennell Bellona. For OSAL documented evidence of customary ownership exists in about 43 percent of cases. Notable is that, in Malaita, all of the estimated 1,613 owned parcels of OSAL land in female-headed households are held in customary arrangements, of which only 41 percent have documented evidence.

Table 5.15 Number of Parcels Owned in OSAL by Land Status and Documentary Evidence and Sex of Head, by Province: 2017

	Land Status						Customary Evidence			
	Total	Customary	Private	State	Church	Other	Total	Yes	No	Don't Know
Total										
Total	71,633	37,619	31,343	2,387	43	240	37,619	16,031	19,661	1,926
%	100	52.5	43.8	3.3	0.1	0.3	100	42.6	52.3	5.1
Choiseul	6,617	4,480	1,934	-	-	203	4,480	1,065	2,123	1,292
Western	15,363	6,999	6,989	1,338	-	37	6,999	2,322	4,358	319
Isabel	746	335	389	23	-	-	335	140	164	31
Central	6,987	1,586	5,325	76	-	-	1,586	1,273	168	144
Rennell Bellona	664	660	4	-	-	-	660	-	660	-
Guadalcanal	6,349	4,431	968	950	-	-	4,431	4,130	301	-
Malaita	13,158	12,148	977	-	33	-	12,148	4,125	7,901	122
Makira	16,760	3,136	13,623	-	-	-	3,136	1,990	1,146	-
Temotu	4,292	3,828	454	-	10	-	3,828	968	2,841	19
Honiara	696	17	680	-	-	-	17	17	-	-

Male-Headed Households										
Total	62,522	33,008	27,176	2,120	43	176	33,008	14,142	17,290	1,576
%	100	52.8	43.5	3.4	0.1	0.3	100	42.8	52.4	4.8
Choiseul	5,477	3,835	1,503	-	-	139	3,835	1,003	1,847	985
Western	13,130	6,020	5,892	1,181	-	37	6,020	1,996	3,706	319
Isabel	716	304	389	23	-	-	304	140	164	-
Central	6,464	1,545	4,856	64	-	-	1,545	1,245	168	131
Rennell Bellona	530	530	-	-	-	-	530	-	530	-
Guadalcanal	5,381	3,676	853	852	-	-	3,676	3,406	271	-
Malaita	11,545	10,535	977	-	33	-	10,535	3,464	6,949	122
Makira	14,792	3,011	11,782	-	-	-	3,011	1,966	1,044	-
Temotu	3,919	3,535	374	-	10	-	3,535	905	2,612	19
Honiara	568	17	551	-	-	-	17	17	-	-
Female-Headed Households										
Total	9,110	4,611	4,167	268	-	64	4,611	1,889	2,371	351
%	100	50.6	45.7	2.9	0.0	0.7	100	41.0	51.4	7.6
Choiseul	1,140	645	431	-	-	64	645	62	276	307
Western	2,234	979	1,098	157	-	-	979	327	652	-
Isabel	31	31	-	-	-	-	31	-	-	31
Central	522	41	469	12	-	-	41	28	-	13
Rennell Bellona	134	130	4	-	-	-	130	-	130	-
Guadalcanal	968	755	115	98	-	-	755	725	30	-
Malaita	1,613	1,613	-	-	-	-	1,613	661	952	-
Makira	1,967	126	1,842	-	-	-	126	24	102	-
Temotu	373	293	80	-	-	-	293	63	229	-
Honiara	128	-	128	-	-	-	-	-	-	-

Note: The estimates are based on a sample survey that does not include agricultural land owned by churches or government organisations.

5.8 Area of Land Rented

In total, an estimated 971 parcels of land are rented, accounting for 713 hectares (**Table 5.16**). The majority of these parcels are located in Western and Makira Provinces, which between them account for nearly three-quarters of all rented land.

Table 5.16 Number and Percent of Household Agricultural Holdings Renting Land, Number of Parcels Rented and Area of Land Rented by Sex of Head, by Province: 2017

	Household Rented Land		Parcels Rented		Total Area Rented	
	Number	%	Number	%	Hectares	%
Total						
Total	685	100.0	971	100.0	712.93	100.0
Choiseul	73	10.7	88	9.1	36.45	5.1
Western	156	22.8	270	27.8	314.18	44.1
Isabel	-	-	-	-	-	-
Central	-	-	-	-	-	-
Rennell Bellona	43	6.3	86	8.9	11.11	1.6
Guadalcanal	58	8.5	58	6.0	36.69	5.1
Malaita	33	4.8	33	3.4	2.94	0.4
Makira	239	34.9	280	28.8	204.55	28.7
Temotu	83	12.1	155	16.0	107.00	15.0
Honiara	-	-	-	-	-	-
Male-Headed Households						
Total	584	100.0	835	100.0	628.40	100.0
Choiseul	47	8.0	62	7.4	20.95	3.3
Western	87	14.9	166	19.9	245.19	39.0
Isabel	-	-	-	-	-	-
Central	-	-	-	-	-	-
Rennell Bellona	37	6.3	80	9.6	11.08	1.8
Guadalcanal	58	9.9	58	6.9	36.69	5.8
Malaita	33	5.7	33	4.0	2.94	0.5
Makira	239	40.9	280	33.5	204.55	32.6
Temotu	83	14.2	155	18.6	107.00	17.0
Honiara	-	-	-	-	-	-

Female-Headed Households						
Total	101	100.0	136	100.0	84.53	100.0
Choiseul	26	25.7	26	19.1	15.50	18.3
Western	69	68.3	103	75.7	68.99	81.6
Isabel	-	-	-	-	-	-
Central	-	-	-	-	-	-
Rennell Bellona	6	5.9	6	4.4	0.03	0.0
Guadalcanal	-	-	-	-	-	-
Malaita	-	-	-	-	-	-
Makira	-	-	-	-	-	-
Temotu	-	-	-	-	-	-
Honiara	-	-	-	-	-	-

5.9 Trees and Plants Growing in Homestead Land

A wide variety of fruit trees, forest trees and food crops are grown on homestead agricultural land (**Annex Table A5.5**). The most common of plants include staples such as cassava, kumara, banana, taro as well as the cash-crop betelnut. Indeed, betelnut is the most common plant grown in Choiseul, Isabel, Central Province and Guadalcanal. Bananas were most prominent in Temotu and Honiara, while Rennell Bellona had the narrowest array of plants, mainly concentrated in coconut, pawpaw and banana.

Chapter 6 – Crop Cultivation and Harvesting

A focus of the survey was on estimating the outputs of the agricultural production process. This is measured in terms of the quantities of food and other crops that were growing in agricultural holdings at the time of the survey as well as the crops that were harvested in the 12 months prior to the survey.

The quantity of produce refers to actual quantity, after drying and processing ready for sale or consumption, and after deducting pre-harvest, harvest and post-harvest losses. Sales values are compared with estimates of the “attainable” yield, which is the total estimated sales value (SI\$) of the best yield that could have been achieved through the skilful use of the best available technology (assuming best management practices and efficient use of technology, including good water, climate, pest and soil conditions).

The survey also provides information on the variety of inputs and practices that are used in the agricultural sector in the Solomon Islands. This includes capital inputs such as fertilisers (both manufactured mineral inorganic fertilisers and organic fertilisers derived from animal or vegetable matter) applied to soil or irrigation water to boost nutrients, pesticides and irrigation and the different combinations of machinery and equipment. It also includes labour inputs utilised in the holding for carrying out the agricultural activity.

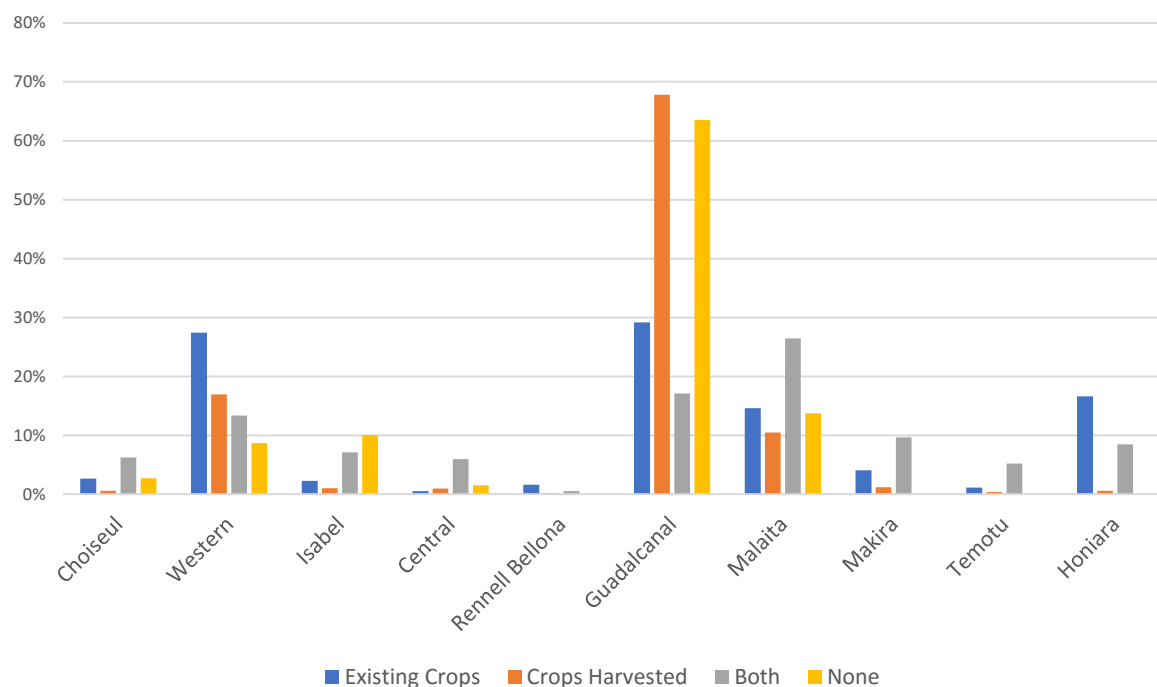
6.1 Agricultural Holdings Involved in Cultivation / Harvesting of Food Crops

Nationwide, cropping and harvesting was widespread, with an estimated 109,097 household agricultural holdings involved in either the cultivation or harvesting of food crops in the 12 months prior to the survey (**Table 6.1**). Of these, 88,435 households both cultivated and harvested crops, while 6,154 only harvested crops.

Table 6.1 Number and Percent of Household Agricultural Holdings Involved in Cultivation / Harvesting of Food Crops, by Province: 2017

Households Cultivating / Harvesting Food Crops										
	Total	%	Existing crops	%	Crops harvested	%	Both	%	None	%
Total	109,097	100.0	13,918	100.0	6,154	100.0	88,435	100.0	589	100.0
%	100.0		12.8		5.6		81.1		0.5	
Choiseul	5,910	5.4	369	2.7	36	0.6	5,490	6.2	16	2.7
Western	16,718	15.3	3,814	27.4	1,041	16.9	11,811	13.4	51	8.7
Isabel	6,732	6.2	313	2.2	61	1.0	6,298	7.1	59	10.0
Central	5,417	5.0	75	0.5	60	1.0	5,274	6.0	9	1.5
Rennell Bellona	708	0.6	223	1.6	11	0.2	474	0.5	-	-
Guadalcanal	23,712	21.7	4,061	29.2	4,172	67.8	15,104	17.1	374	63.5
Malaïta	26,123	23.9	2,031	14.6	644	10.5	23,367	26.4	81	13.8
Makira	9,198	8.4	567	4.1	72	1.2	8,560	9.7	-	-
Temotu	4,768	4.4	154	1.1	23	0.4	4,591	5.2	-	-
Honiara	9,811	9.0	2,311	16.6	34	0.6	7,467	8.4	-	-

Figure 6.1 Percent of Household Agricultural Holdings Involved in Cultivation / Harvesting of Food Crops, by Province: 2017



Although Guadalcanal households show the highest involvement in harvesting for food and existing crops, the province also accounts for the highest share of non-involvement in cultivation and harvesting for food crops across all provinces (**Figure 6.1**).

6.2 Area Used for Existing Crops

The estimated total area used for existing crops is 181,137 hectares (**Table 6.2**). This includes a combination of i) temporary crops (with a life less than one year) grown during the last 12 months and standing; and ii) permanent crops standing irrespective of whether planted during the last 12 months or earlier.

Table 6.2 Total Area (hectares) Used for Existing Crops, by Province: 2017

	Area (hectares)								
	Total	%	0.000 to 0.599	0.600 to 1.999	2.000 to 5.999	6.000 to 9.999	10.000 to 29.999	30.000 to 49.999	50+
Total	181,137.17	100.0	35,786.42	44,602.55	14,280.54	3,748.71	12,582.53	2,454.10	67,682.32
%	100.0		19.8	24.6	7.9	2.1	6.9	1.4	37.4
Choiseul	8,799.04	4.9	4,347.43	3,068.15	992.54	390.92	-	-	-
Western	65,543.23	36.2	4,707.92	14,395.62	4,091.33	2,072.94	6,390.20	1,142.78	32,742.44
Isabel	9,283.38	5.1	4,293.33	2,158.30	2,588.17	243.58	-	-	-
Central	2,095.24	1.2	1,381.85	675.23	38.16	-	-	-	-
Rennell Bellona	288.01	0.2	30.72	-	-	-	155.96	101.32	-
Guadalcanal	39,300.12	21.7	3,470.25	4,309.06	1,790.78	990.82	3,287.94	1,209.99	24,241.26
Malaita	26,093.30	14.4	7,879.66	5,012.39	1,004.83	-	1,497.81	-	10,698.62
Makira	19,575.64	10.8	6,280.45	10,373.06	2,663.63	-	258.50	-	-
Temotu	8,697.91	4.8	3,206.19	4,438.97	1,002.29	50.46	-	-	-
Honiara	1,461.30	0.8	188.61	171.77	108.79	-	992.13	-	-

The most prominent crop being cultivated at the time of the survey was kumara, which occupied more than 15 percent of the available cropping land (**Annex Table A6.1**). The most prominent crops (ranked by 10 most popular crops) by land size included coconut (21 percent), kumara (20 percent) and cassava (18 percent) (**Table 6.3**).

Table 6.3 Total Area (hectares) Used for Existing Crops, by Crop: 2017 (10 Most Popular Crops by Land Size)

	Area (hectares)								
	Total	%	0.000 to 0.599	0.600 to 1.999	2.000 to 5.999	6.000 to 9.999	10.000 to 29.999	30.000 to 49.999	50+
Total	181,137.17		35,786.42	44,602.55	14,280.54	3,748.71	12,582.53	2,454.10	67,682.32
%	100.0		19.8	24.6	7.9	2.1	6.9	1.4	37.4
Coconut	28,104.35	15.5	1,712.91	15,278.86	7,751.38	1,771.93	1,589.26	-	-
Kumara	26,809.09	14.8	6,961.86	2,846.93	550.30	-	697.65	-	15,752.35
Cassava	24,313.08	13.4	4,868.64	2,438.75	160.95	-	-	1,209.99	15,634.76
Cocoa	18,987.57	10.5	896.73	6,787.95	1,500.03	-	-	-	9,802.86
Pomelo	10,467.87	5.8	38.97	44.59	-	370.05	-	-	10,014.26
Cut nut	7,767.60	4.3	264.83	319.20	215.32	-	1,458.74	-	5,509.52
Banana	7,684.20	4.2	3,143.16	2,080.34	449.14	287.99	580.78	1,142.78	-
Slippery Cabbage	7,069.74	3.9	1,717.11	713.24	190.93	-	691.19	-	3,757.26
Taro	5,296.14	2.9	2,519.88	1,406.68	416.10	-	852.16	101.32	-

Note: Excludes "Other", which was classified among the top 10

Source: Annex Table A6.1

6.3 Number of Trees in Existing Tree Crops and Method of Planting

The most common existing crops by the number of trees or plants planted tend to be staple foodstuffs. Of these, almost all kumara, cassava, and taro plants are planted on small plots of less than two hectares (**Table 6.4**). Most land used for growing kumara and cassava is planted using a compact method with mixed crops; though within the allocated land for these crops, most actual plants are grown as a single crop. Taro tends to feature more of a scatter method to planting with a combination of mixed and single crops (**Table 6.5**). In contrast, coconut and cocoa tend to be planted in lines as a single crop and on larger plots of land. This different planting pattern is reflected in the larger average number of kumara plants per hectare (679) compared with an average of 352 coconut trees per hectare.

Table 6.4 Total Number and Percent of Trees or Plants in Existing Crops, by Area Range: 2017 (Most Prominent Crops)

	Area (hectares)							
	Total Trees or Plants	0.000 to 0.599	0.600 to 1.999	2.000 to 5.999	6.000 to 9.999	10.000 to 29.999	30.000 to 49.999	50+
Kumara	18,199,431	17,057,866	1,016,350	68,981	-	6,136	9,158	40,939
%	100.0	93.7	5.6	0.4	-	-	0.1	0.2
Cassava	11,144,081	10,332,811	633,817	146,901	-	2,856	10,073	17,623
%	100.0	92.7	5.7	1.3	-	-	0.1	0.2
Coconut	9,904,374	2,441,768	3,620,226	2,999,330	318,801	442,000	82,249	-
%	100.0	24.7	36.6	30.3	3.2	4.5	0.8	-
Cocoa	6,690,129	2,364,596	3,131,935	1,138,015	-	54,929	-	654
%	100.0	35.3	46.8	17.0	-	-	-	0.0
Taro	6,595,379	6,079,661	439,682	72,423	-	3,427	186	-
%	100.0	92.2	6.7	1.1	-	-	-	-

Source: Annex Table A6.2

Table 6.5 Total Area (hectares) of Existing Crops, by Method and Type of Planting: 2017 (Most Prominent Crops)

	Method of planting				Type of planting			
	Compact	Line	Scatter	Missing	Single crop	Mixed crop	Scatter pattern	Missing
Kumara	10,429	12,712	3,669	-	21,535	3,914	1,361	-
Cassava	8,672	12,924	2,717	-	9,438	13,678	1,197	-
Coconut	4,378	18,260	5,466	-	17,097	8,098	2,909	-
Cocoa	1,487	16,805	696	-	14,597	3,996	394	-
Taro	1,596	1,258	2,442	-	2,614	1,772	911	-

Source: Annex Table A6.4

6.4 Average Age of Coconut and Cocoa

Because of the importance of coconut and cocoa trees to household agricultural holdings and the fact that they have a useful life of producing fruit, it is important to estimate the average age of the crop. Nationwide, the estimated average age of coconut trees is 31 years. However, there is considerable variation between provinces; Honiara and Malaita have the youngest coconut crops, with average ages of 16 and 17 years, respectively, while the oldest coconut crops are in Makira and Isabel where the average age is 42 and 41 years, respectively. For cocoa, the estimated average age of the crop overall is 14 years (**Table 6.6**) with the youngest in Choiseul (4 years) and the oldest in Malaita (18 years).

Table 6.6 Number of Trees and Average Age (Years) of Coconut and Cocoa in Existing Crops, by Province: 2017

	Number of coconut trees	Average age of coconut trees (years)	Number of cocoa trees	Average age of cocoa trees (years)
Total	9,904,374	31.0	6,690,129	13.5
Choiseul	1,137,589	36.5	123,446	4.4
Western	3,232,928	27.4	677,470	12.4
Isabel	804,863	41.2	10,485	6.3
Central	554,277	32.0	228,483	7.9
Rennell Bellona	2,076	26.1	-	-
Guadalcanal	1,257,005	21.4	1,999,256	12.0
Malaita	1,197,976	17.2	1,622,937	17.4
Makira	1,309,706	42.1	1,817,747	15.8
Temotu	319,548	29.7	177,874	11.6
Honiara	88,405	16.4	32,431	10.5

6.5 Area of Crops Harvested

In total, an estimated 45,063,758 plants were harvested over an area of 217,876 hectares in 2017 (**Table 6.7 and Annex Table A6.6**). The most prominent crops harvested by land use were those that feature prominently for sale in markets and in household diets. Kumara accounted for 14 percent of total harvested land – the most of any crop – while slippery cabbage and coconut were also among the most prominent crops in terms of land area harvested (**Table 6.8**). However, the profile of actual plants harvested closely mirrors the profile of existing crops planted, with coconut, cocoa, cassava and kumara the most prominent.

Table 6.7 Total Area (hectares) of Crops Harvested, by Province: 2017

	Area (hectares)								
	Total	%	0 to 0.999	1 to 3.999	4.000 to 9.999	10.000 to 19.999	20.000 to 49.999	50.000 to 99.999	100+
Total	217,876	100.0	35,583	41,596	11,749	7,650	9,043	28,776	83,479
%	100.0		16.3	19.1	5.4	3.5	4.2	13.2	38.3
Choiseul	9,087	4.2	3,485	2,277	532	-	2,791	-	-
Western	81,242	37.3	5,272	10,026	2,912	4,778	2,306	23,427	32,521
Isabel	7,036	3.2	2,321	2,525	440	191	-	-	1,559
Central	1,887	0.9	1,512	374	-	-	-	-	-
Rennell Bellona	88	0.0	18	-	-	70	-	-	-
Guadalcanal	26,914	12.4	4,315	7,610	4,958	985	-	-	9,046
Malaita	65,127	29.9	7,428	7,371	1,751	594	2,282	5,349	40,353
Makira	19,544	9.0	8,575	8,671	1,001	235	1,062	-	-
Temotu	5,653	2.6	2,517	2,378	155	-	602	-	-
Honiara	1,299	0.6	138	363	-	797	-	-	-

Table 6.8 Most Prominent Crops Harvested: 2017

Crop	Total Area (hectares)	Trees or Plants harvested
Kumara	37,735	7,573,145
Slippery Cabbage	37,617	1,282,835
Coconut	35,985	9,824,845
Cassava	15,083	4,974,754
Cocoa	13,109	8,207,273
Banana	12,773	1,643,978

Source: Annex Tables A6.5 and A6.6

6.6 Main Purpose of Crop Production, Quantity Produced, Sold and Value

Of the estimated total 53,883,971 kilograms of crops harvested in 2017, 21,338,433 kilograms were sold for a total value of SI\$353,822,283 (**Annex Tables A6.8 and A6.9**).

Crops predominantly produced for sale

Table 6.9 lists the most prominent crops produced predominantly for sale by agricultural households. Cocoa is produced almost entirely for sale, while a number of other foods, including Chinese vegetables, cucumber, and peanut, as well as non-foodstuffs, such as betelnut, are also produced almost entirely for sale.

In line with harvesting patterns, coconut, betelnut, cocoa, cassava and kumara were the most lucrative crops households, though each yielded only slightly more than half of the expected attainable yield in sales. In large part this reflects the fact that much of the harvested crop remained unsold.

Table 6.9 Crops Most Harvested for Sale: 2017 (minimum 1,500 households harvesting)

	Percent (%) harvesting mainly for sale	Households harvesting	Expected attainable yield (\$SI)	Value of sales (\$SI)	Quantity Sold (KG)
Cocoa	97.9	17,051	96,698,241	57,501,002	2,254,728
Chinese Vegetable	84.1	3,005	4,135,461	2,608,120	109,331
Cucumber	76.8	1,725	3,225,759	1,433,020	66,022
Betelnut	75.8	16,144	101,204,980	65,970,607	273,509
Peanut	74.9	3,495	7,289,333	5,083,528	281,529
Coconut	67.6	33,679	194,153,787	99,085,895	10,741,491
Shallot	58.0	3,438	5,622,756	1,691,689	66,607
Tomato	48.8	4,349	2,898,428	602,455	122,060
Other	41.2	10,468	14,274,254	10,031,411	756,550
Edu	40.4	2,192	1,917,307	886,233	66,793
Pineapple	37.7	3,353	3,351,622	1,697,263	306,792
Eggplant	33.3	4,375	826,607	531,779	55,064
Taro	30.8	21,569	15,562,514	9,887,121	784,405
Slippery Cabbage	28.8	25,813	11,743,722	9,769,483	1,181,188
Pumpkin	24.7	2,879	488,328	363,351	41,453

Note: Harvesting both for home consumption and for sale; expected attainable yield is subjective and based on interview response; caution should be taken when assessing unit values of certain crops given the broad aggregation (non-specificity) of varying but similar types of crops (e.g., green and dry coconuts are grouped as 'coconuts'). This may have implications on specific unit sales, yield and/or quantity.

Sources: Annex Tables A6.7 and A6.8

Table 6.10 provides a list of the crops with the highest sales value in each of the ten provinces. Coconut tended to be the crop with the highest value of sales, along with betelnut and cocoa. Sales from the remote Rennell Bellona province were considerably smaller than in other provinces. This reflects both the much smaller quantity of crops harvested as well as the fact that the primary purpose for most crops produced was for home consumption (**Annex Table A6.11**).

Table 6.10 Harvested Crops with the Highest Sales Value, by Province: 2017

Province	Crop	Value of sales (\$SI)	Quantity sold (KG)	Quantity produced in last 12 months (KG)
Choiseul	Coconut	11,794,329	1,114,418	1,086,820
Western	Coconut	18,365,552	2,781,224	3,359,967
Isabel	Betelnut	8,542,871	48,940	55,373
Central	Coconut	16,018,784	1,127,972	2,771,978
Rennell Bellona	Kumara	858	14	11,188
Guadalcanal	Betelnut	37,639,247	114,904	166,024
Malaita	Cocoa	13,372,202	607,137	1,363,002
Makira	Coconut	8,517,959	898,191	957,847
Temotu	Coconut	2,055,913	304,487	855,368
Honiara	Banana	2,101,271	8,233	67,729

Sources: Annex Tables A6.9 and A6.10; See note below Table 6.9

Nationwide, nearly 70 percent of the crops produced for sale were converted into sales. The lowest rate was in Malaita, where only 40 percent of the crop intended for sale was eventually sold (**Annex Table A6.12**).

Crops predominantly produced for home consumption

Table 6.11 lists the most prominent crops produced for home consumption; revealing that a number of nuts and fruits are produced almost entirely for home consumption. Of the crops produced primarily for home consumption, 9 percent of the total product was eventually sold.

Table 6.11 Crops Most Harvested for Home Consumption (minimum 1,500 households harvesting): 2017

Crop	Percent harvested mainly for home consumption (%)	Number of households harvesting
Cut Nut	93.70	4,821
Mango	93.66	2,137
Carabola (star fruit)	93.26	1,786
Pawpaw	90.85	6,028
Guava	90.29	2,343
Kakake	88.87	3,434
Bread Fruit	87.08	2,429
Kongkong	82.24	7,378
Banana	80.99	35,896
Pana	79.01	20,484
Yam	78.18	18,584
Cassava	77.99	57,917
Kumara	75.91	68,297
Pumpkin	75.28	2,879
Slippery Cabbage	71.16	25,813

Source: Annex Table A6.7

Comparing the total quantity sold with the total value of sales, reveals the average price per kilogram of crops sold. The highest average price for crops mainly produced for home consumption was in Rennell Bellona (SI\$26.00) while the lowest average price was Temotu (SI\$8.40). Nationwide, the average price per kilogram was SI\$13.80. Across most provinces, the average price per kilogram for crops primarily intended for sale was higher than the average price per kilogram of crops produced primarily for home consumption. The exception was Malaita, where there was a particularly high return for the average price of crops produced primarily for home consumption (SI\$72.00).

Nationwide, inventories of crops harvested in the last 12 months are mainly comprised of coconut, banana, yam and pana (**Annex Table A6.12**)

6.7 Agricultural Inputs and Practices

Use of fertilisers, pesticides and irrigation

Agricultural inputs are substances, products and materials used in farming to improve productivity and agricultural production. These include fertilisers, pesticides, herbicides, insecticides, and irrigation water, etc. In the survey, inorganic fertilisers were used by an estimated 4,450 agricultural households, or around 4 percent of the total agricultural households, nationwide (**Table 6.12; Figure 6.2**). Most households using organic fertiliser were located in Choiseul, Western and Honiara, accounting for 76 percent of the total. This represents 9 percent, 4 percent and 6 percent of the estimated provincial agricultural households, respectively.

An estimated 3,905 agricultural households used organic fertilisers. The large majority of these, 72 percent, were located in Malaita.

An estimated 2,278 agricultural households used pesticides on their crops. More than half of these were located in Guadalcanal and a further quarter in Malaita. Irrigation was used by 1,169 agricultural households, and an estimated 3,190 used community farming practices, particularly in Malaita and Makira

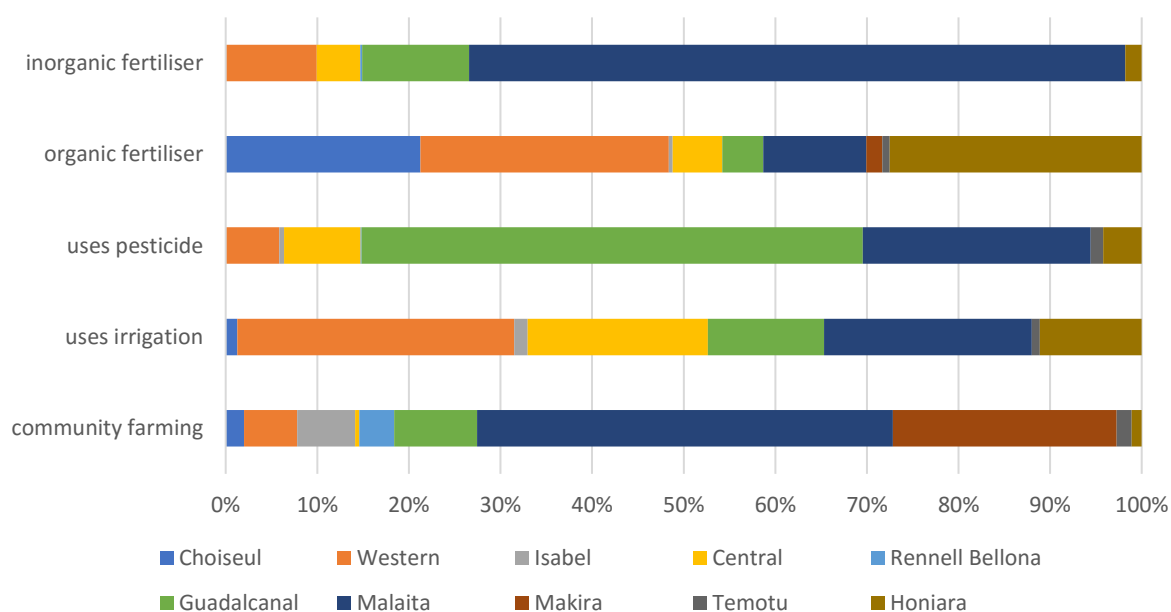
Slippery cabbage and Chinese vegetable were the most popular crops for augmenting practices. These two crops alone accounted for about 40 percent of inorganic fertiliser use, and, when combined with banana, accounted for around half of households' organic fertiliser use (**Annex Table A6.13**). Slippery cabbage and Chinese vegetable were also responsible for around half of all insecticide used and three-quarters of other fungicides. They also accounted for around half of all households practicing irrigation.

Table 6.12 Estimated Number and Percent of Household Agricultural Holdings Involved in Agricultural Practices by Province: 2017

Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
	Number										
Household uses inorganic fertiliser	4,450	-	442	-	212	9	520	3,189	-	-	80
Household uses organic fertiliser	3,905	830	1,059	17	212	-	174	440	68	31	1,075
Household uses pesticide	2,278	-	133	12	190	3	1,246	566	-	31	96
Household uses irrigation	1,169	15	353	17	230	-	148	265	-	10	130
Engaged in community farming	3,190	64	185	202	14	122	289	1,449	780	52	35
	Percent (%)										
Household uses inorganic fertiliser	100.0	-	9.9	-	4.8	0.2	11.7	71.7	-	-	1.8
Household uses organic fertiliser	100.0	21.3	27.1	0.4	5.4	-	4.5	11.3	1.7	0.8	27.5
Household uses pesticide	100.0	-	5.8	0.5	8.3	0.1	54.7	24.8	-	1.4	4.2
Household uses irrigation	100.0	1.3	30.2	1.5	19.7	-	12.7	22.7	-	0.9	11.1
Engaged in community farming	100.0	2.0	5.8	6.3	0.4	3.8	9.1	45.4	24.5	1.6	1.1

Figure 6.2 Percent of Household Agricultural Holdings Involved in Agricultural Practices, by Province: 2017



Machinery and equipment

The survey captured information on the machinery and equipment used in the production process by agricultural holdings as well as the sources of those assets. An estimated 73,577 agricultural households used an estimated 360,030 items of crop equipment in 2017 (**Table 6.13** and **Annex Table A6.17**). Of those that can be separately specified, smaller pieces of equipment, such as rotary hoes, chainsaws and knapsack sprayers were the most commonly used items. Each of these tended to be owned and operated by household agricultural holdings (**Table 6.14**).

Only 14 percent of the estimated 333 agricultural holdings using a tractor in 2017 reported owning the tractor. When required, households tended to lease larger machinery such as tractors (**Annex Table A6.190**). An estimated 26,268 agricultural holdings used items of fishing equipment, with canoes and boats with outboard engines the most common. For the most part, these assets also tended to be owned by the households. An estimated 11,327 household agricultural holdings reported using an electric generator or other energy-generating pieces of equipment. The most prominent items of livestock equipment used were wheelbarrows while aquaculture households relied most heavily on generators and nets.

Table 6.13 Number of Household Agricultural Holdings Using Machinery and Equipment, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Crop Equipment											
Total	73,577	5,785	11,393	5,977	102	141	20,317	17,509	4,105	4,481	3,767
Tractor	333	-	-	-	-	-	248	24	-	23	39
Tractor implements	-	-	-	-	-	-	-	-	-	-	-
Rotary hoe	13,433	2,613	601	15	-	53	6,812	2,917	-	-	422
Knapsack sprayer	631	16	179	11	14	6	271	112	-	10	12
Mist blower	81	-	-	-	-	-	45	36	-	-	-
Weed eaters	61	18	-	-	-	-	33	-	-	10	-
Chainsaw	3,870	808	1,267	542	-	88	588	179	181	204	12
Other crop equipment	72,279	5,642	11,104	5,893	88	6	19,989	17,295	4,105	4,419	3,737
Fish Equipment											
Total	26,268	3,910	7,324	2,920	1,657	68	3,469	4,465	1,246	1,209	-
Boat with in-board engine	965	163	322	40	33	-	43	296	-	67	-
Boat with outboard engine	3,774	417	984	543	274	50	698	642	77	90	-
Canoe	21,718	3,646	5,679	2,726	1,403	17	2,809	3,537	1,046	855	-
Other fishing equipment	6,312	453	2,824	60	27	-	1,651	511	175	612	-
Transport Equipment											
Total	1,509	100	323	-	-	25	805	174	25	57	-
Van / truck / taxi (<2 tonnes)	382	-	27	-	-	19	257	33	-	47	-
Van / truck / taxi (2+ tonnes)	199	-	26	-	-	9	120	33	-	10	-
Other transport equipment	1,069	100	296	-	-	-	496	141	25	10	-
Energy Equipment											
Total	11,327	1,400	3,263	934	-	21	5,166	480	52	10	-
Electric generator	1,477	197	380	42	-	21	632	141	52	10	-
Others energy equipment	10,673	1,358	3,187	915	-	-	4,874	338	-	-	-
Livestock Equipment											
Total	2,770	58	537	73	14	21	1,369	408	66	39	185
Wheelbarrow	1,923	58	305	-	14	21	1,147	217	66	21	74
Other livestock equipment	1,029	-	275	73	-	-	260	265	-	19	136
Aquaculture Equipment											

Total	1,382	211	201	-	-	31	871	-	56	12	-
Aerator	39	-	39	-	-	-	-	-	-	-	-
Net	267	80	66	-	-	-	109	-	-	12	-
Food processor for feeds	40	-	40	-	-	-	-	-	-	-	-
Hand tractor	25	-	-	-	-	-	-	-	25	-	-
Generator / solar	996	131	74	-	-	22	769	-	-	-	-
Boat	159	11	37	-	-	3	108	-	-	-	-
Car/motorcycle/tricycle/remork	24	-	24	-	-	-	-	-	-	-	-
Other aquaculture equipment	38	-	-	-	-	6	-	-	32	-	-

Table 6.14 Number of Household Agricultural Holdings Owning Machinery and Equipment, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Crop Equipment											
Total	72,993	5,785	11,287	5,942	90	141	20,039	17,509	3,982	4,471	3,749
Tractor	47	-	-	-	-	-	-	24	-	23	-
Tractor implements	-	-	-	-	-	-	-	-	-	-	-
Rotary hoe	13,187	2,602	564	15	-	53	6,612	2,917	-	-	422
Knapsack sprayer	576	16	140	11	14	6	256	112	-	10	12
Mist blower	81	-	-	-	-	-	45	36	-	-	-
Weed eaters	61	18	-	-	-	-	33	-	-	10	-
Chainsaw	3,722	795	1,267	542	-	88	588	179	105	145	12
Other crop equipment	71,721	5,642	10,996	5,859	76	6	19,710	17,295	3,982	4,419	3,737
Fish Equipment											
Total	25,798	3,879	7,082	2,947	1,530	68	3,469	4,465	1,150	1,209	-
Boat with in-board engine	768	163	248	40	17	-	43	189	-	67	-
Boat with outboard engine	3,550	417	848	543	211	50	698	642	52	90	-
Canoe	21,358	3,615	5,473	2,753	1,368	17	2,766	3,537	974	855	-
Other fishing equipment	6,300	453	2,824	60	14	-	1,651	511	175	612	-
Transport											
Total	1,317	100	323	-	-	25	756	67	-	47	-
Van / truck / taxi (<2 tonnes)	332	-	27	-	-	19	207	33	-	47	-
Van / truck / taxi (2+ tonnes)	188	-	26	-	-	9	120	33	-	-	-
Other transport equipment	902	100	296	-	-	-	461	34	-	10	-
Energy Equipment											
Total	11,108	1,400	3,151	934	-	21	5,166	373	52	10	-
Electric generator	1,378	197	282	42	-	21	632	141	52	10	-
Others energy equipment	10,454	1,358	3,075	915	-	-	4,874	231	-	-	-
Livestock Equipment											
Total	2,720	58	537	73	14	21	1,319	408	66	39	185
Wheelbarrow	1,873	58	305	-	14	21	1,097	217	66	21	74
Other livestock equipment	1,029	-	275	73	-	-	260	265	-	19	136
Aquaculture Equipment											
Total	1,337	191	201	-	-	31	871	-	32	12	-
Aerator	39	-	39	-	-	-	-	-	-	-	-
Net	267	80	66	-	-	-	109	-	-	12	-
Food processor for feeds	40	-	40	-	-	-	-	-	-	-	-
Hand tractor	-	-	-	-	-	-	-	-	-	-	-
Generator / solar	976	111	74	-	-	22	769	-	-	-	-
Boat	159	11	37	-	-	3	108	-	-	-	-
Car/motorcycle/tricycle/remork	24	-	24	-	-	-	-	-	-	-	-
Other aquaculture equipment	38	-	-	-	-	6	-	-	32	-	-

Labour inputs

The survey also provides information on permanent and casual group labourers used as inputs into agricultural production. An estimated 687 permanent labourers were employed, of which 63 percent were male (**Table 6.15**). Around two-thirds of permanent labourers were located in Guadalcanal and Malaita. Focusing on the occupation status of permanent workers, 41 percent of female permanent workers worked full-time, compared with 35 percent of males (**Annex Table A6.16**).

An estimated 10,626 household agricultural holdings hired a total of 73,458 group labourers in 2017. Of these, 61 percent were male workers. Group labourers tended to be hired for between two and five days (**Table 6.16**), with almost three-quarters working between 2 and 7 hours each day (**Table 6.17**). Some 16 percent of group labourers worked more than 8 hours on average each day.

Table 6.15 Permanent Labourers Hours Worked and Wages, by Province: 2017

	Sex			Hours Worked	Wages per Month
	Total	Male	Female	Total	Total
Total	687	435	252	5,551	1,034,925
Choiseul	-	-	-	-	-
Western	106	53	53	767	108,375
Isabel	35	17	17	104	3,451
Central	-	-	-	-	-
Rennell Bellona	20	20	-	94	7,346
Guadalcanal	270	215	54	2,157	608,997
Malaita	179	63	117	1,085	71,732
Makira	-	-	-	-	-
Temotu	21	10	10	168	117,243
Honiara	56	56	-	1,178	117,781

Table 6.16 Number of Group Labourers Hired by Average Days Worked, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Number of households using group labour											
Total	10,626	1,025	1,395	213	541	120	3,150	2,176	1,361	569	75
Number of labourers											
Males	44,492	3,569	6,842	1,706	3,247	547	12,140	6,045	7,522	2,828	45
Females	28,966	1,684	5,307	1,498	1,729	108	6,697	5,150	4,605	1,877	312
Total labourers	73,458	5,253	12,149	3,204	4,976	655	18,836	11,195	12,127	4,705	356
Average number of days worked - Males											
Total	44,492	3,569	6,842	1,706	3,247	547	12,140	6,045	7,522	2,828	45
0 - 1	20,156	2,146	1,557	1,090	2,262	96	3,948	3,808	3,881	1,342	26
2 - 5	21,039	1,306	4,731	350	921	115	6,409	2,237	3,539	1,412	19
6 - 9	2,370	118	517	-	50	251	1,435	-	-	-	-
10 - 14	590	-	37	266	-	48	197	-	43	-	-
15 - 19	136	-	-	-	-	3	-	-	59	74	-
20+	200	-	-	-	14	35	151	-	-	-	-

Average number of days worked - Females											
Total	28,966	1,684	5,307	1,498	1,729	108	6,697	5,150	4,605	1,877	312
0 - 1	15,239	1,093	2,357	1,420	1,239	66	2,979	2,580	2,345	1,160	-
2 - 5	12,565	458	2,925	78	417	12	3,094	2,292	2,261	717	312
6 - 9	909	134	24	-	73	29	432	216	-	-	-
10 - 14	103	-	-	-	-	-	40	63	-	-	-
15 - 19	-	-	-	-	-	-	-	-	-	-	-
20+	151	-	-	-	-	-	151	-	-	-	-
Average number of days worked - TOTAL											
Total	73,458	5,253	12,149	3,204	4,976	655	18,836	11,195	12,127	4,705	356
0 - 1	11,908	1,626	1,174	1,045	447	69	2,348	1,782	3,034	383	-
2 - 5	46,721	3,141	5,624	1,635	4,381	192	12,335	8,781	6,850	3,581	202
6 - 9	10,897	337	5,315	233	35	280	1,584	475	2,015	470	154
10 - 14	3,423	150	37	270	100	77	2,268	157	170	196	-
15 - 19	136	-	-	-	-	3	-	-	59	74	-
20+	372	-	-	21	14	35	301	-	-	-	-

Table 6.17 Number of Group Labourers Hired by Average Hours Worked per Day, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Average hours worked per day - Males											
Total	44,492	3,569	6,842	1,706	3,247	547	12,140	6,045	7,522	2,828	45
0 - 1	4,271	877	443	231	548	4	158	-	1,578	406	26
2 - 4	18,890	1,887	3,304	1,098	1,291	207	3,235	4,753	1,928	1,168	19
5 - 7	12,992	355	2,893	217	895	254	6,908	460	562	447	-
8 - 9	7,044	449	202	160	441	83	1,804	832	2,608	466	-
10+	1,295	-	-	-	73	-	35	-	846	342	-
Average hours worked per day - Females											
Total	28,966	1,684	5,307	1,498	1,729	108	6,697	5,150	4,605	1,877	312
0 - 1	4,528	314	477	210	425	37	688	-	1,964	413	-
2 - 4	13,050	810	2,216	745	891	32	2,182	3,938	1,304	748	183
5 - 7	7,972	301	2,613	543	341	38	3,015	579	248	166	128
8 - 9	3,033	259	-	-	73	-	777	632	969	322	-
10+	383	-	-	-	-	-	35	-	120	228	-
Average hours worked per day - Total											
Total	73,458	5,253	12,149	3,204	4,976	655	18,836	11,195	12,127	4,705	356
0 - 1	2,617	639	147	419	-	-	529	-	853	30	-
2 - 4	19,914	2,372	4,232	154	1,551	280	3,200	2,093	4,131	1,699	202
5 - 7	9,911	694	2,689	528	509	212	3,789	119	243	974	154
8 - 9	19,222	951	742	1,870	1,730	83	2,759	7,221	3,505	361	-
10+	21,793	598	4,339	233	1,186	81	8,559	1,761	3,394	1,641	-

6.8 Agricultural Services

Household Agricultural holdings also received a range of supporting services in the twelve months prior to the survey. This includes agricultural extension – (which is the application of research and farmer education to improve agricultural production performance), – credit, information, market access, and means of transport to access markets.

Agricultural extension

An estimated 4,006 agricultural holdings received extension services nationwide in the twelve months prior to the survey, with around half of these receiving support from the government and one-quarter from non-government organisations (NGOs) (**Table 6.18**). In this sense, extension refers to personal contact with extension personnel or direct participation in

extension activities and not accessing extension material though printed brochures, radio, television or the Internet. Other extension services were provided by private companies, NGOs and others.

Table 6.18 Estimated Number of Household Agricultural Holdings Receiving Agricultural Extensions, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Received agricultural extension	4,006	415	475	289	109	3	1,504	745	237	170	60
Government	2,136	225	185	266	96	3	705	446	69	141	-
Private companies	248	-	52	-	13	-	171	-	-	12	-
Association within community	296	16	140	-	-	-	124	-	16	-	-
NGO's	962	181	69	-	-	-	466	71	128	47	-
Other sources of extension services	1,015	108	94	23	-	-	410	269	23	30	60

Note: Estimates are based on a sample survey of households covered during the reference period of the survey; some agricultural households may have received agricultural extension services from multiple sources

In addition to extension services, 20,586 agricultural holdings also reported receiving agricultural information from a host of sources, most prominently from other farmers, radio and newspapers (**Table 6.19**). Agricultural holdings reporting the use of telecommunications to access agricultural information, including internet, social media and mobile networks, were relatively few in number.

Table 6.19 Number of Household Agricultural Holdings Receiving Agricultural Services, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Received agricultural information	20,586	1,388	2,647	1,001	313	46	5,496	6,772	1,276	1,366	283
Extension services	3,637	271	319	209	202	6	1,055	769	337	435	36
Radio	6,345	112	1,221	574	82	28	2,449	1,446	55	183	194
Television	567	-	61	23	-	-	209	243	-	-	31
Newspaper	2,562	82	537	186	-	-	1,290	287	-	89	91
Input agencies	501	34	99	23	13	-	235	30	23	25	19
Social media	786	34	172	-	-	-	451	96	14	-	19
Internet	256	-	149	-	-	-	73	-	14	-	19
Mobile	551	-	51	37	-	-	386	30	-	47	-
Other farmers	13,985	1,248	1,646	349	121	38	4,401	4,070	743	1,274	96
Other source of information	4,110	45	130	149	28	2	825	2,280	501	42	107

Note: The column totals may not add up due to missing or unspecified values

Credit

An estimated 590 agricultural households received credit or a loan to support operations of the agricultural holding (**Table 20**). This specifically excludes loans used for non-agricultural purposes (for example, the construction of the holder's house, for other family businesses, or

for consumption expenditure). More than half of these agricultural loans were sourced from a microfinance organisation, and were primarily directed to Western and Guadalcanal Provinces.

Table 6.20 Estimated Number of Household Agricultural Holdings Receiving Credit/Loans, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaika	Makira	Temotu	Honiara
Received credit or loan	590	15	274	-	16	-	183	31	20	-	51
Bank (commercial/development)	48	-	17	-	-	-	-	31	-	-	-
Micro-finance	305	-	125	-	-	-	128	-	-	-	51
Friends/relatives	47	15	17	-	16	-	-	-	-	-	-
Moneylender	37	-	37	-	-	-	-	-	-	-	-
Cooperatives	-	-	-	-	-	-	-	-	-	-	-
Other providers of credit/loans	153	-	79	-	-	-	54	-	20	-	-

Market access means of transport

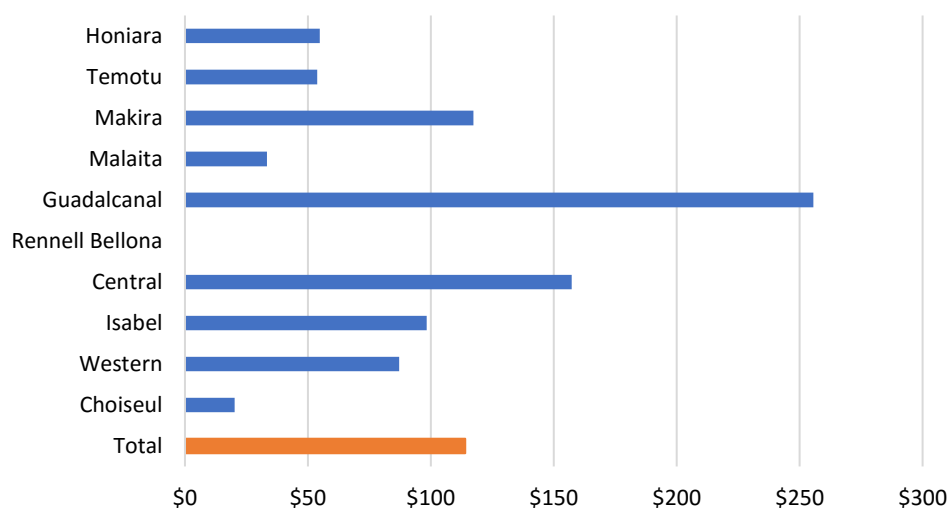
Household agricultural holdings were asked whether they knew the nearest market from their holding/house where they can sell agricultural products and whether they bring their agricultural produce to this nearest market. Of the estimated 65,583 households that sell at the nearest market, 39 percent said the nearest market was less than half an hour away. In the urban province of the capital Honiara this rose to 74 percent, while in Central Province it was only 8 percent. A further 14 percent of households indicated that the nearest market was more than two hours away while 5 percent indicated it was more than a day's travel. In general, households in Central Province and Guadalcanal provinces reporting being the farthest away from markets, with 60 percent and 39 percent of households, respectively, traveling more than two hours to their nearest market (**Table 6.21**). The primary means of accessing markets was on foot, followed by using vehicles / motorcycles / bicycles.

Table 6.21 Number of Household Agricultural Holdings Selling at Markets by Distance, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaika	Makira	Temotu	Honiara
Know nearest market	90,740	5,656	15,486	5,231	3,865	-	21,055	21,463	4,624	4,107	9,253
Sell at nearest market	65,583	4,496	10,548	4,416	3,568	-	16,254	17,725	4,117	2,802	1,657
Less than 30 minutes	25,303	2,235	4,056	1,587	293	-	3,280	8,371	2,700	1,564	1,218
30-59 minutes	15,310	1,193	3,242	1,279	312	-	3,191	4,531	599	654	308
60-120 minutes	12,506	856	1,844	1,112	822	-	3,481	3,381	458	459	93
> 2 hours but < than a day	9,348	212	1,361	401	1,828	-	3,888	1,333	164	124	38
More than 1 day	3,116	-	46	37	314	-	2,415	110	196	-	-
Using vehicles/motorcycles/bicycles	31,138	21	2,323	1,169	14	-	13,580	6,650	1,363	1,046	4,972
Using boat / raft	27,177	1,973	9,143	2,200	3,330	-	4,850	2,905	736	1,996	44
By foot	42,786	3,560	5,588	2,966	401	-	6,976	11,927	2,597	2,080	6,693
By air	517	-	71	33	-	-	125	197	-	26	66
Other means of transport	9,156	938	3,467	303	39	-	464	3,468	288	164	26
Average weekly transport cost (\$SI)	7,475,712	91,056	919,244	434,246	561,402	-	4,153,432	591,826	482,841	150,721	90,944

The combination of large distances and vehicle costs resulted in Guadalcanal having the highest average weekly transport cost, of SI\$256 per household that sells at the nearest market. This includes the imputed cost of using own transport (if applicable) evaluated at the market price and including the cost of own labour. This is substantially higher than the national average of SI\$114 per household selling at their nearest market (**Figure 6.3**).

Figure 6.3 Average Weekly Transport Cost (\$SI) of Household Agricultural Holdings that Sell at Nearest Market, by Province: 2017



Source: Table 6.21

Chapter 7 – Raising of Livestock and Poultry

The survey captured information on the different types of livestock and poultry kept by household agricultural holdings. Livestock rearing is the process of breeding and raising livestock for the purpose of meat production, or in the case of dairy cattle, for milk production. Estimates are provided of the number of heads of each type of livestock that were kept on the day of the survey. Information is also provided on the primary use of livestock, including both the slaughter of animals for home consumption as well as for use in social obligations, such as personal and ceremonial gifts (e.g. at the opening of community halls, marriages, bestowing of titles, welcome/farewell parties, etc.). The value of livestock sold is also estimated.

7.1 Livestock and Poultry

In total, an estimated 43,156 agricultural holdings kept livestock at the time of the survey in 2017, accounting for almost 40 percent of the total agricultural holdings (**Table 7.1**). The highest rate of household livestock keeping is in Temotu, with 80 percent. Less than one-fifth of agricultural households kept livestock in Central Province (19 percent) and Honiara (16 percent).

Table 7.1 Total Number of Household Agricultural Holdings Keeping Livestock, by Province: 2017

	Livestock Type									
	Households with livestock	Beef cattle	Dairy cattle	Pigs	Horses	Sheep	Goats	Chickens	Domestic breeds	Ducks
Total	43,156	192	135	32,912	-	-	-	20,289	18,983	1,408
Choiseul	3,279	15	-	1,639	-	-	-	2,476	2,476	160
Western	4,410	78	71	3,401	-	-	-	2,309	2,091	99
Isabel	3,271	-	-	3,011	-	-	-	1,429	1,408	59
Central	1,034	-	-	563	-	-	-	644	644	12
Rennell Bellona	307	-	-	6	-	-	-	307	301	-
Guadalcanal	10,131	81	-	8,669	-	-	-	3,437	3,088	149
Malaita	11,124	-	33	8,757	-	-	-	3,211	2,741	504
Makira	4,219	-	16	2,281	-	-	-	3,442	3,345	190
Temotu	3,837	-	15	3,627	-	-	-	2,405	2,405	24
Honiara	1,544	18	-	960	-	-	-	628	483	211

Note: The estimates are based on a sample survey and thus may exclude households that kept horses, sheep, or goats, though these estimates are assumed to be minimal; estimates reflect livestock kept by the household on the day of enumeration

The most common form of livestock raised were chickens – both domestic and non-domestic breeds – and pigs, both of which were generally kept in large numbers in most provinces (**Table 7.2**). Most households with non-domestic breeds of chicken kept both hens and roosters (**Annex Tables A7.1 – A7.4**). While only 3 percent of households kept broilers, they accounted for 21 percent of the total number of chickens kept, most likely kept in larger holdings. Boars (adult male pigs, which are also over 40 kilograms) and sows (adult female pigs, which are over 40 kilograms) accounted for most pig holdings. The quantities of beef and dairy cattle are much smaller, with small herds of cattle located across many provinces. Beef cattle were mainly concentrated in Guadalcanal and Western Province, while dairy cattle were mainly located in Western Province.

Table 7.2 Total Number of Livestock Kept by the Household Agricultural Holdings, by Province: 2017

	Livestock Type								Ducks
	Beef cattle	Dairy cattle	Pigs	Horses	Sheep	Goats	Chickens	Domestic chicken breeds	
Total	1,401	772	149,651	-	-	-	321,907	230,520	13,445
Choiseul	15	-	5,027	-	-	-	28,776	28,757	1,408
Western	412	614	10,882	-	-	-	39,301	37,024	975
Isabel	-	-	9,528	-	-	-	17,729	17,640	95
Central	-	-	5,244	-	-	-	16,908	16,831	137
Rennell Bellona	-	-	6	-	-	-	5,070	4,128	-
Guadalcanal	830	-	42,773	-	-	-	66,849	26,297	1,213
Malaita	-	66	44,576	-	-	-	44,453	31,991	6,806
Makira	-	16	14,517	-	-	-	42,224	38,723	1,666
Temotu	-	76	12,879	-	-	-	23,853	23,853	169
Honiara	143	-	4,220	-	-	-	36,746	5,276	976

Note: The estimates are based on a sample survey and thus may exclude households that owned horses, sheep, or goats, though these estimates are assumed to be minimal; estimates reflect livestock kept by the household on the day of enumeration

7.2 Disposal of Livestock and Poultry

Reflecting their large holdings, chickens, boars and sows were the most commonly consumed animals and the animals most commonly used in social obligations. In aggregate, more livestock and poultry were slaughtered for home consumption than used in social obligations in the 12 months prior to the survey in 2017 (**Table 7.3** and **Table 7.4**).

Table 7.3 Number of Each Type of Livestock Species Disposed for Consumption, by Province: 2017

	Livestock Type											
	Total	Beef cattle	Dairy cattle	Boar	Sow	Piglet	Weaner	Barrow	Sheep	Goats	Chickens	Ducks
Total	49,228	33	-	7,547	3,767	119	143	447	-	-	36,513	659
Choiseul	3,197	-	-	75	38	-	-	-	-	-	3,066	17
Western	5,028	-	-	342	259	-	-	-	-	-	4,427	-
Isabel	2,047	-	-	388	332	16	104	187	-	-	1,020	-
Central	1,529	-	-	16	12	25	-	-	-	-	1,476	-
Rennell Bellona	847	-	-	6	-	-	-	-	-	-	841	-
Guadalcanal	7,586	-	-	1,074	871	-	39	98	-	-	5,504	-
Malaita	10,676	33	-	3,217	1,027	-	-	-	-	-	5,782	618
Makira	11,237	-	-	1,912	898	50	-	60	-	-	8,292	25
Temotu	4,403	-	-	371	207	28	-	102	-	-	3,694	-
Honiara	2,678	-	-	147	123	-	-	-	-	-	2,408	-

Note: Estimates reflect reported disposals in the 12 month period prior to enumeration

Table 7.4 Number of Each Type of Livestock Species Disposed for Social Obligation, by Province: 2017

	Livestock Type											
	Total	Beef cattle	Dairy cattle	Boar	Sow	Piglet	Weaner	Barrow	Sheep	Goats	Chickens	Ducks
Total	17,880	-	-	4,347	3,208	332	403	193	-	-	9,373	25
Choiseul	2,643	-	-	128	87	17	62	-	-	-	2,349	-
Western	2,479	-	-	302	265	-	-	-	-	-	1,913	-
Isabel	750	-	-	283	349	21	45	53	-	-	-	-
Central	1,034	-	-	85	31	25	13	-	-	-	880	-
Rennell Bellona	231	-	-	6	-	-	-	-	-	-	225	-
Guadalcanal	1,698	-	-	383	672	-	25	54	-	-	564	-
Malaita	3,976	-	-	1,433	553	-	-	-	-	-	1,991	-
Makira	4,306	-	-	1,521	1,033	193	207	-	-	-	1,328	25
Temotu	684	-	-	170	219	76	28	86	-	-	106	-
Honiara	78	-	-	36	-	-	25	-	-	-	18	-

Note: Estimates reflect reported disposals in the 12 month period prior to enumeration

The large majority of livestock sold in the 12 months prior to enumeration were chickens, although pigs (in particular boars and sows and piglets) were also sold in large numbers (**Annex Table A7.5**). As a class, pigs were the most lucrative livestock type for agricultural households, reflecting the large sale numbers and the relatively high average sale price (**Table 7.5**). Pig sales contributed more than two-thirds of the total estimated SI \$58,890,331 generated from all livestock and poultry sales (**Annex Table A7.6**). While cattle commanded a high average sale price only a relative few were sold.

Table 7.5 Quantity and Value (\$SI) of Livestock Sold, and Average Price Per Unit (\$SI): 2017

Livestock	Number sold	Value (\$SI)	Average price per unit (\$SI)
Boar	15,302	\$26,100,276	\$1,706
Sow	9,466	\$16,086,152	\$1,699
Chickens	63,488	\$5,240,576	\$83
Piglet	6,040	\$2,159,052	\$357
Dairy cattle	84	\$1,678,479	\$19,982
Beef cattle	333	\$1,226,342	\$3,683
Weaner	2,441	\$1,003,103	\$441
Barrow	728	\$860,694	\$1182
Goats	1,128	\$725,993	\$644
Ducks	4,114	\$339,330	\$82

Note: Estimates reflect reported sales in the 12 month period prior to enumeration

Sources: Annex Tables A7.5 and A7.6

In the 12 month period prior to the survey, 56,485 heads of livestock either died or were lost (**Annex Table A7.7**). Most losses were concentrated among chickens and pigs, reflecting their larger holdings. The total value of livestock lost or died was \$SI13,142,018 (**Annex Table A7.8**).

7.3 Veterinary Services Used

The survey captured information on the various veterinary services used by household agricultural holdings. Vaccinations were used on cattle, pigs, and chickens. Only households in Guadalcanal vaccinated cattle, while pig and chicken vaccinations mainly occurred in Malaita (**Table 7.6**).

Table 7.6 Number of Household Agricultural Holdings Using Vaccination, by Livestock Species: 2017

	Cattle	Goats	Pigs	Chickens/ducks	Horses
Total	42	-	717	152	-
Choiseul	-	-	-	-	-
Western	-	-	-	-	-
Isabel	-	-	80	-	-
Central	-	-	9	-	-
Rennell Bellona	-	-	-	-	-
Guadalcanal	42	-	77	35	-
Malaita	-	-	472	117	-
Makira	-	-	-	-	-
Temotu	-	-	-	-	-
Honiara	-	-	79	-	-

Note: The results are based on a sample survey of household responses covered during the time of survey.

Chapter 8 – Aquaculture and Fishing

The survey captured data on the different aquaculture and fishing activities being carried out by agricultural holdings in the 12 months leading up to the survey in 2017. Aquaculture is the farming of aquatic organisms such as fish, crustaceans, molluscs and plants. Farming of aquaculture refers to some intervention in the rearing process to enhance production, such as regular stocking, feeding and protection from predators. Aquaculture normally involves rearing of organisms from fry, spat or juveniles. It may be carried out in ponds, paddy fields, lagoons, estuaries, irrigation canals or the sea, using structures such as cages and tanks. It may also be in fresh water or saltwater.

The survey also captured the extent of fishing activities undertaken during the 12 month period prior to the 2017 survey. Fishing is defined broadly to include capturing fish and other marine products, such as sea shells, sea cucumber, and other sea products for home consumption and/or commercial use. Fishing activities undertaken as a hobby and game fishing were specifically excluded.

Detail is provided on the various fishing methods used, the primary fishing locations as well as the times when fishing activities were undertaken. Estimates are provided of the average weekly catch and the value of the catch sold. The quantity caught is compared to householder estimates of the “attainable” catch of fish that would have resulted had the best management practices, production facilities, equipment, machinery and genetically improved seeds been used for the production of fish and catch.

8.1 Aquaculture

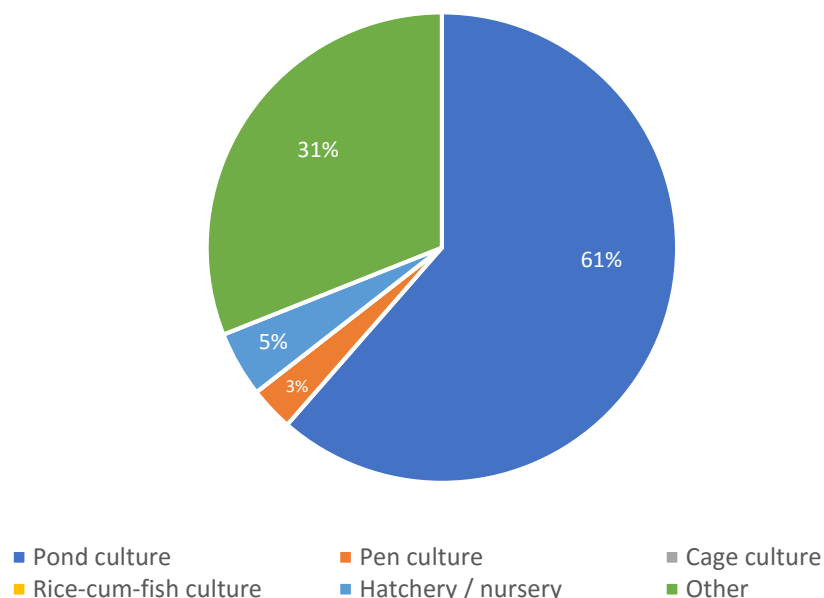
An estimated 955 household agricultural holdings were involved in aquaculture activities during the 12 month period prior to the survey in 2017. Most of these households, approximately 70 percent, were located in Guadalcanal and Western Provinces (**Table 8.1**).

Table 8.1 Number of Household Agricultural Holdings Involved in Aquaculture, by Province and Type of Activity: 2017

	Type of Aquaculture Activity						
	Total	Pond culture	Pen culture	Cage culture	Rice-cum-fish culture	Hatchery / nursery	Other
Total	955	586	29	-	-	43	296
%	100.0	61.4	3.0	-	-	4.5	31.0
Choiseul	116	9	-	-	-	-	107
Western	321	148	29	-	-	-	144
Isabel	16	-	-	-	-	-	16
Central	29	-	-	-	-	-	29
Rennell Bellona	-	-	-	-	-	-	-
Guadalcanal	350	350	-	-	-	-	-
Malaita	47	47	-	-	-	-	-
Makira	20	20	-	-	-	-	-
Temotu	12	12	-	-	-	-	-
Honiara	43	-	-	-	-	43	-
<i>Percent (%)</i>							
Choiseul	12.1	1.5	-	-	-	-	36.1
Western	33.6	25.3	100.0	-	-	-	48.6
Isabel	1.7	-	-	-	-	-	5.4
Central	3.0	-	-	-	-	-	9.8
Rennell Bellona	-	-	-	-	-	-	-
Guadalcanal	36.6	59.7	-	-	-	-	-
Malaita	4.9	8.0	-	-	-	-	-
Makira	2.1	3.4	-	-	-	-	-
Temotu	1.3	2.0	-	-	-	-	-
Honiara	4.5	-	-	-	-	100.0	-

Note: The results are based on a sample survey of household responses covered during the time of survey.

Figure 8.1 Percent of Household Agricultural Holdings Involved in Aquaculture by Type of Activity: 2017



Pond culture is the predominant form of aquaculture consisting of 61 percent of all aquaculture activities across the country (excluding Isabel, Central and Rennell Bellona); it accounted for all aquaculture in Guadalcanal, Malaita, Makira, and Temotu and almost half of the identifiable activity types in Western Province. Small groups of households also operated pond culture in Choiseul, Malaita, Makira and Temotu. Most pond culture activities involve the culture of fish in fresh water and at a small scale – in ponds less than 20 square metres in size, although there were also some households operating ponds larger than 100 square metres. Around one fifth of pond culture operated in brackish water. Further details are provided in **Annex Tables A8.1 – A8.3**.

An estimated 6,406 people were engaged in aquaculture, including 4,560 men and 1,846 women (**Table 8.2**). Of these, an estimated 3,426 people were employed full-time. For the most part, aquaculture relies on household members (in a full time, part time or occasional capacity) with hired labour only accounting for 14 percent of the total labour share.

Table 8.2 Number of Household Agricultural Holding Members and Hired Labour Engaged in Aquaculture Activities, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total	6,404	1,345	1,230	32	515	-	2,015	47	301	12	906
Full time - household member	3,211	555	1,024	16	130	-	1,157	-	100	12	216
Full time - hired labour	216	-	-	-	-	-	-	-	-	-	216
Part time - household member	862	234	29	-	78	-	287	47	100	-	86
Part time - hired labour	367	-	-	-	281	-	-	-	-	-	86
Occasional worker - household member	1,419	555	177	16	13	-	341	-	100	-	216
Occasional worker - hired labour	329	-	-	-	13	-	229	-	-	-	86
Male											
Total	4,558	767	912	32	346	-	1,356	47	181	12	906
Full time - household member	2,263	320	811	16	86	-	742	-	60	12	216
Full time - hired labour	216	-	-	-	-	-	-	-	-	-	216
Part time - household member	595	127	29	-	47	-	198	47	60	-	86
Part time - hired labour	274	-	-	-	187	-	-	-	-	-	86
Occasional worker - household member	949	320	71	16	13	-	252	-	60	-	216
Occasional worker - hired labour	263	-	-	-	13	-	164	-	-	-	86
Female											
Total	1,845	578	319	-	169	-	659	-	121	-	-
Full time - household member	948	236	213	-	44	-	415	-	40	-	-
Full time - hired labour	-	-	-	-	-	-	-	-	-	-	-
Part time - household member	267	107	-	-	31	-	89	-	40	-	-
Part time - hired labour	94	-	-	-	94	-	-	-	-	-	-
Occasional worker - household member	471	236	106	-	-	-	89	-	40	-	-
Occasional worker - hired labour	66	-	-	-	-	-	66	-	-	-	-

8.2 Fishing

The survey revealed the importance of fishing to agricultural holdings. In total, an estimated 41,643 households were engaged in fishing activities in the 12 month period prior to the survey in 2017, accounting for 37 percent of all household agricultural holdings (**Table 8.3**). The largest proportion of households engaged in fishing was in Choiseul, with 72 percent. Across the country, fishing was largely undertaken for home consumption, occasional sale and social obligations. In Malaita Province, around one quarter of households engaged in fishing activities did so mainly for sale.

Table 8.3 Total Number and Percent of Household Agricultural Holdings Engaged in Fishing, by Province: 2017

	Purpose of Fishing									
	Total	%	Home consumption and social obligation	%	Home consumption and occasional sale	%	Mainly for sale	%	Missing	%
Total	41,643	100.0	13,050	100.0	25,450	100.0	3,091	100.0	52	100.0
Choiseul	4,285	10.3	1,461	11.2	2,642	10.4	182	10.4	-	-
Western	10,219	24.5	4,393	33.7	5,103	20.1	722	20.1	-	-
Isabel	4,018	9.6	1,295	9.9	2,675	10.5	49	10.5	-	-
Central	3,167	7.6	1,119	8.6	1,263	5.0	784	5.0	-	-
Rennell Bellona	264	0.6	241	1.8	23	0.1	-	0.1	-	-
Guadalcanal	5,146	12.4	1,650	12.6	3,329	13.1	167	13.1	-	-
Malaita	7,774	18.7	702	5.4	6,068	23.8	1,005	23.8	-	-
Makira	4,134	9.9	1,239	9.5	2,795	11.0	60	11.0	40	76.9
Temotu	2,636	6.3	950	7.3	1,552	6.1	122	6.1	12	23.1
Honiara	-	-	-	-	-	-	-	-	-	-

An estimated 207,679 fishing trips were taken each week, on average, nationwide (**Table 8.4**). Males accounted for an estimated 84 percent of all fishing hours. Nearly two thirds of fishing trips involved use of a handline – split roughly evenly between shallow and deep-sea fishing.

Much of the time fishing was spent in reef flats, reef slope and open sea habitats, though the precise nature of fishing in each province depended on the available local habitats (**Table 8.5**). The general nationwide pattern of fishing was reflected in the fact that reef finfish, tuna and pelagic fish are the species that households focus most on harvesting (**Table 8.6**).

Table 8.4 Average Weekly Trips and Hours Engaged in Fishing, by Type: 2017

Type of Fishing	Average number of trips per week	Number of hours	
	Trips	Males	Females
Total	207,679	234,328	43,166
Handline / shallow	64,662	63,842	17,603
Handline / deep-sea	65,805	71,237	4,036
Gillnet	6,105	9,772	328
Cast net	3,040	4,776	323
Spear fishing (night)	15,700	26,878	2,208
Spear fishing (day)	11,286	15,415	864
Reef gleaning	9,435	3,626	3,749
Octopus Fishing	816	1,098	101
Trolling	15,123	21,187	495
Fish fence	91	123	-
Other type of fishing	15,616	16,375	13,458

Table 8.5 Total Number and Percent of Household Agricultural Holdings Engaged in Fishing by Type of Habitat, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaika	Makira	Temotu	Honiara
Reef flat											
Total	41,643	4,285	10,219	4,018	3,167	264	5,146	7,774	4,134	2,636	-
Always	19,064	3,118	4,783	1,760	1,274	96	2,949	3,196	829	1,060	-
Sometimes	14,864	992	3,970	1,856	625	109	1,059	2,770	2,041	1,441	-
Never	7,332	175	1,431	402	1,268	59	1,083	1,605	1,188	120	-
Missing	383	-	34	-	-	-	54	203	75	15	-
Lagoon											
Total	41,643	4,285	10,219	4,018	3,167	264	5,146	7,774	4,134	2,636	-
Always	9,841	437	4,568	1,052	308	7	436	2,480	285	268	-
Sometimes	12,375	966	3,394	1,713	1,085	9	817	1,646	1,429	1,315	-
Never	18,936	2,882	2,222	1,253	1,774	249	3,838	3,493	2,188	1,038	-
Missing	491	-	34	-	-	-	54	155	232	15	-
Sea grass											
Total	41,643	4,285	10,219	4,018	3,167	264	5,146	7,774	4,134	2,636	-
Always	5,119	765	1,516	588	841	7	86	763	206	347	-
Sometimes	14,396	1,719	4,168	2,531	688	9	1,582	1,396	816	1,486	-
Never	21,271	1,801	4,499	900	1,638	249	3,422	5,094	2,879	788	-
Missing	857	-	34	-	-	-	54	521	232	15	-

Reef slope											
Total	41,643	4,285	10,219	4,018	3,167	264	5,146	7,774	4,134	2,636	-
Always	18,202	2,831	6,352	2,016	1,503	56	2,521	1,584	385	954	-
Sometimes	13,699	1,275	3,128	1,500	778	96	1,275	3,055	1,209	1,382	-
Never	9,033	180	704	503	885	113	1,349	2,708	2,308	284	-
Missing	709	-	34	-	-	-	-	428	232	15	-
Open sea											
Total	41,643	4,285	10,219	4,018	3,167	264	5,146	7,774	4,134	2,636	-
Always	17,765	1,645	4,690	1,834	1,811	22	2,255	3,908	1,110	489	-
Sometimes	13,546	1,729	2,975	1,233	701	96	1,487	2,359	2,009	958	-
Never	9,939	911	2,554	936	655	147	1,404	1,208	951	1,174	-
Missing	393	-	-	15	-	-	-	299	64	15	-
Reef flat											
	Percent (%)										
Always	43.6	71.6	45.8	41.1	39.3	36.4	52.6	37.6	19.5	38.4	-
Sometimes	34.0	22.8	38.0	43.3	19.3	41.1	18.9	32.6	48.0	52.2	-
Never	16.8	4.0	13.7	9.4	39.1	22.4	19.3	18.9	28.0	4.3	-
Missing	0.9	-	0.3	-	-	-	1.0	2.4	1.8	0.5	-
Lagoon											
Always	22.5	10.0	43.7	24.6	9.5	2.5	7.8	29.2	6.7	9.7	-
Sometimes	28.3	22.2	32.5	40.0	33.5	3.2	14.6	19.4	33.6	47.6	-
Never	43.3	66.2	21.3	29.3	54.7	94.3	68.4	41.1	51.5	37.6	-
Missing	1.1	-	0.3	-	-	-	1.0	1.8	5.5	0.5	-
Sea grass											
Always	11.7	17.6	14.5	13.7	25.9	2.5	1.5	9.0	4.9	12.6	-
Sometimes	32.9	39.5	39.9	59.1	21.2	3.2	28.2	16.4	19.2	53.8	-
Never	48.7	41.4	43.0	21.0	50.5	94.3	61.0	60.0	67.7	28.5	-
Missing	2.0	-	0.3	-	-	-	1.0	6.1	5.5	0.5	-
Reef slope											
Always	41.6	65.0	60.8	47.1	46.4	21.1	44.9	18.6	9.1	34.6	-
Sometimes	31.3	29.3	29.9	35.0	24.0	36.2	22.7	36.0	28.4	50.1	-
Never	20.7	4.1	6.7	11.7	27.3	42.7	24.0	31.9	54.3	10.3	-
Missing	1.6	-	0.3	-	-	-	-	5.0	5.5	0.5	-
Open sea											
Always	40.6	37.8	44.9	42.8	55.8	8.2	40.2	46.0	26.1	17.7	-
Sometimes	31.0	39.7	28.5	28.8	21.6	36.2	26.5	27.8	47.3	34.7	-
Never	22.7	20.9	24.4	21.9	20.2	55.5	25.0	14.2	22.4	42.5	-
Missing	0.9	-	-	0.4	-	-	-	3.5	1.5	0.5	-

Note: Sub-column totals may not add up due to unspecified responses

Table 8.6 Total Number and Percent of Household Agricultural Holdings Engaged in Fishing by Species Harvested, by Province: 2017

	Tuna & pelagic fish	Lobster	Shellfish	Sea cucumber	Seaweeds	Ornamental coral fish	Reef finfish	Sea urchin	Other species
Total	26,204	4,628	9,969	5,406	2,611	6,154	36,575	1,750	12,248
Choiseul	3,065	1,196	1,699	914	436	1,786	4,172	164	2,709
Western	6,504	843	1,911	1,428	1,195	911	9,616	507	4,059
Isabel	2,193	902	1,235	1,146	600	551	2,959	549	726
Central	2,496	35	434	437	56	140	2,665	31	1,146
Rennell Bellona	29	20	9	6	6	6	166	21	99
Guadalcanal	3,480	593	1,427	37	37	442	4,220	291	1,241
Malaita	4,409	284	782	46	121	1,649	6,934	-	538
Makira	2,305	525	1,070	515	24	124	3,253	56	148
Temotu	1,722	231	1,402	878	136	544	2,590	131	1,581
Honiara	-	-	-	-	-	-	-	-	-

	Percent (%)								
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Choiseul	11.7	25.8	17.0	16.9	16.7	29.0	11.4	9.4	22.1
Western	24.8	18.2	19.2	26.4	45.8	14.8	26.3	29.0	33.1
Isabel	8.4	19.5	12.4	21.2	23.0	9.0	8.1	31.4	5.9
Central	9.5	0.8	4.4	8.1	2.1	2.3	7.3	1.8	9.4
Rennell Bellona	0.1	0.4	0.1	0.1	0.2	0.1	0.5	1.2	0.8
Guadalcanal	13.3	12.8	14.3	0.7	1.4	7.2	11.5	16.6	10.1
Malaita	16.8	6.1	7.8	0.9	4.6	26.8	19.0	-	4.4
Makira	8.8	11.3	10.7	9.5	0.9	2.0	8.9	3.2	1.2
Temotu	6.6	5.0	14.1	16.2	5.2	8.8	7.1	7.5	12.9
Honiara	-	-	-	-	-	-	-	-	-

Fishing activities tended to occur during both day and night and generally all year round. Few households indicated that they only fished at night or exclusively during the wet season (Table 8.7).

Table 8.7 Total Number and Percent of Household Agricultural Holdings Engaged in Fishing by Time and Season, by Province: 2017

Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
When going fishing											
Total	41,643	4,285	10,219	4,018	3,167	264	5,146	7,774	4,134	2,636	-
Day	13,812	1,999	3,839	973	940	68	1,105	2,493	1,732	665	-
%	100.0	14.5	27.8	7.0	6.8	0.5	8.0	18.0	12.5	4.8	-
Night	2,364	102	555	334	412	32	279	422	208	22	-
%	100.0	4.3	23.5	14.1	17.4	1.4	11.8	17.9	8.8	0.9	-
Day and Night	25,451	2,185	5,825	2,712	1,815	165	3,762	4,860	2,195	1,934	-
%	100.0	8.6	22.9	10.7	7.1	0.6	14.8	19.1	8.6	7.6	-
Missing	15	-	-	-	-	-	-	-	-	15	-
%	100.0	-	-	-	-	-	-	-	-	100.0	-
Season of fishing											
Total	41,643	4,285	10,219	4,018	3,167	264	5,146	7,774	4,134	2,636	-
All year	29,705	2,826	7,351	3,622	2,529	224	3,103	5,794	2,121	2,134	-
%	100.0	9.5	24.7	12.2	8.5	0.8	10.4	19.5	7.1	7.2	-
Wet season	1,620	42	408	35	26	6	313	456	289	46	-
%	100.0	2.6	25.2	2.2	1.6	0.4	19.3	28.1	17.8	2.8	-
Dry season	10,176	1,418	2,424	362	612	34	1,730	1,432	1,724	441	-
%	100.0	13.9	23.8	3.6	6.0	0.3	17.0	14.1	16.9	4.3	-
Missing	142	-	35	-	-	-	-	92	-	15	-
%	100.0	-	24.6	-	-	-	-	64.8	-	10.6	-

8.3 Quantity and Value of Catch

The estimated total quantity of catch in the 12 months prior to the survey in 2017 was 1,045,993 kilograms (Table 8.8). Each of Western and Malaita Provinces accounted for 20 percent of the total catch volume. The value of the total catch was estimated to be worth SI\$16,286,484.

The volume of the total nationwide catch was 24 percent of the estimated 4,414,896 kilograms (4,415 tonnes) quantity attainable (a measure of the potential catch estimated by householders). In Isabel, the actual catch was 62 percent of the estimated expected quantity attainable – the

highest of the provinces. The furthest from the estimated potential was Malaita Province with 10 percent.

The total volume caught using handline / shallow and handline / deep-sea (the two most popular forms of fishing activity) were 245,976 kilograms and 252,765 kilograms, respectively – collectively accounting for 48 percent of the estimated total catch. The actual catch from both types of handline fishing were around one-quarter of the expected quantity attainable. Other forms of fishing that were successful in catching a high share of the expected quantity attainable included octopus fishing (79 percent) and reef gleaning (51 percent), though these activities only accounted for a small share of the total catch.

Table 8.8 Total Quantity (tonnes) and Value of Catch by Type of Fishing by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total											
Quantity (in tonnes)	1046	76	206	174	109	6	147	212	64	51	-
Average Value (in SI\$1,000's)	16286	1332	4938	2374	2209	3	1754	2142	1113	421	-
Quantity expected attainable (in tonnes)	4415	206	520	279	243	20	597	2147	270	133	-
Handline / shallow											
Quantity (in KGs)	246	21	55	30	22	2	26	57	18	14	-
Average Value (in SI\$1,000's)	3328	440	935	535	204	2	269	712	172	59	-
Quantity expected attainable (in tonnes)	838	52	132	66	64	6	105	308	78	28	-
Handline / deep-sea											
Quantity (in KGs)	253	17	39	41	39	1	48	36	25	7	-
Average Value (in SI\$1,000's)	5549	304	1451	745	964	-	849	727	340	169	-
Quantity expected attainable (in tonnes)	1037	45	139	58	103	6	283	307	73	22	-
Gillnet											
Quantity (in KGs)	23	2	4	3	3	0	1	8	2	0	-
Average Value (in SI\$1,000's)	629	37	72	62	67	0	117	170	87	18	-
Quantity expected attainable (in tonnes)	76	2	8	5	4	0	7	40	7	2	-
Cast net											
Quantity (in KGs)	7	0	4	0	1	0	0	1	0	0	-
Average Value (in SI\$1,000's)	236	28	130	1	44	1	-	33	-	-	-
Quantity expected attainable (in tonnes)	24	1	15	0	1	1	0	5	0	0	-
Spear fishing (night)											
Quantity (in KGs)	166	8	23	42	30	2	14	31	1	15	-
Average Value (in SI\$1,000's)	1285	72	275	306	204	0	101	237	10	79	-
Quantity expected attainable (in tonnes)	1610	13	42	82	49	5	33	1353	2	31	-
Spear fishing (day)											
Quantity (in KGs)	71	2	7	18	3	0	19	15	1	6	-
Average Value (in SI\$1,000's)	671	20	87	153	70	-	138	175	3	26	-
Quantity expected attainable (in tonnes)	221	4	20	19	4	1	55	100	2	17	-
Reef gleaning											
Quantity (in KGs)	22	1	7	3	-	-	3	2	5	2	-
Average Value (in SI\$1,000's)	232	28	47	42	-	-	-	46	65	4	-
Quantity expected attainable (in tonnes)	44	2	15	3	-	-	5	2	15	2	-

Octopus fishing

Quantity (in KGs)	3	0	1	0	2	-	-	-	-	0	-
Average Value (in SI\$1,000's)	376	-	23	-	353	-	-	-	-	1	-
Quantity expected attainable (in tonnes)	4	0	1	-	2	-	-	-	-	0	-

Trolling

Quantity (in KGs)	81	6	30	4	8	0	27	-	5	1	-
Average Value (in SI\$1,000's)	1975	166	851	92	288	-	193	-	361	24	-
Quantity expected attainable (in tonnes)	201	12	59	4	14	0	76	-	32	4	-

Fish fence

Quantity (in KGs)	0	-	-	-	-	-	-	0	0	-	-
Average Value (in SI\$1,000's)	1	-	-	-	-	-	-	1	-	-	-
Quantity expected attainable (in tonnes)	1	-	-	-	-	-	-	0	1	-	-

Other type of fishing

Quantity (in KGs)	173	18	37	32	1	-	10	62	7	6	-
Average Value (in SI\$1,000's)	2005	238	1067	438	17	-	88	43	75	40	-
Quantity expected attainable (in tonnes)	359	75	89	41	1	-	34	32	60	26	-

Chapter 9 – Supplemental Economic Activity in Household Agricultural Holdings

The survey provides information on the supplementary economic activities undertaken by household agricultural holdings that use agricultural-based products. These include domestic forestry, which is the deliberate incorporation of trees within a farming system or simply having trees on a holding and using them, as well as the production of handicrafts and the associated purchase and sale of raw material or finished goods.

Also revealed are the main sources of income for agricultural households in the 12 months prior to the survey; in large part to determine whether agriculture is the main source of income of the agricultural household.

9.1 Domestic Forestry

Agricultural holdings indicated that they domesticate the local forest resources for a variety of purposes. The more popular purposes include: for food and/or income; supporting crops; soil improvement and protection; marking boundaries; conservation and being ornamental. Details are provided in **Annex Table A9.2**. The widest variety of trees and shrubs are used for food and/or income, though a large number of separate trees and shrubs are used as natural fences for marking boundaries. The most popular boundary marking plants are coconut trees as well as mango and cut nut trees. Pawpaw and lemon trees are the main focus of conservation.

9.2 Handicrafts

Households also add value to raw local forestry resources by turning them into handicrafts for sale. In total, an estimated 13,707 households engaged in handicrafts production, accounting for about 12 percent of total agricultural households (**Table 9.1**). The rates of household handicraft work were highest in Rennell Bellona (50 percent) and Choiseul (41 percent). Nearly 40 percent of households engaged in handicraft activities did so as part of group production. Households in Central (83 percent), Honiara (67 percent), and Malaita (61 percent) Provinces were most likely to be engaged in group production.

The total value of handicrafts sold was estimated at SI\$8,595,961, with Western Province alone accounting for 37 percent of this value.

Table 9.1 Number of Household Agricultural Holdings Engaged in Handicraft Activities by Households in Group Production (percent range), Value of Finished Products Sold and Estimated Value of Product, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Proportion of Handicrafts Sold											
Total households	13,707	2,430	3,833	2,101	163	361	1,320	1,535	1,108	379	478
None	5,307	1,192	1,002	1,642	82	5	374	505	236	166	104
1 - 25%	4,080	654	1,022	227	-	155	199	912	627	184	100
26 - 50%	1,101	354	314	145	14	34	39	-	98	-	104
51 - 75%	1,308	181	656	23	-	142	174	117	-	-	16
76 - 100%	1,618	49	839	-	68	26	335	-	148	-	153

Value of Finished Product Sold (\$SI)											
	8,595,961	1,185,720	3,209,548	331,674	456,866	44	1,123,929	325,007	1,281,519	99,244	582,411
Households Engaged in Group Production of Handicraft											
Total households	13,707	2,430	3,833	2,101	163	361	1,320	1,535	1,108	379	478
Yes	5,174	1,023	1,004	581	136	37	735	942	226	170	320
No	8,178	1,407	2,829	1,393	27	323	385	592	882	180	158
Estimated Value of Product											
Total	4,337	1,023	861	546	110	37	537	622	226	90	285
< \$2,500	3,494	684	704	531	96	35	417	493	180	69	285
\$2,501 - \$5,000	546	289	76	16	14	-	-	130	-	21	-
\$5,001 - \$7,500	116	50	46	-	-	-	-	-	20	-	-
\$7,501 - \$10,000	2	-	-	-	-	2	-	-	-	-	-
> \$10,000	179	-	35	-	-	-	119	-	25	-	-

Note: The sum of categories may not equal the totals due to missing observations

The raw materials required for the handicraft production can be derived from crops grown in domestic holdings as well as purchased from other agricultural households. To that end, raw materials for handicraft can be both a generator of income as well as an expense for agricultural households. In general, handicrafts tended to be produced with little, if any, purchased raw materials as inputs. Indeed, less than 15 percent of agricultural households involved in handicrafts indicated that they purchased more than one-quarter of the raw materials required (**Table 9.2**). A notable exception was the urban province of Honiara, where an estimated 47 percent of agricultural households involved in handicraft activities purchased more than three-quarters of their handicraft inputs.

While there tends to be limited financial expense to households in producing handicrafts, collectively the sale of raw materials for handicrafts is still considerable and amounted to an estimated SI\$2,394,190 in the 12 month period prior to the survey.

Table 9.2 Proportion of Raw Materials Bought and Sold, Value of Raw Material Sold, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaika	Makira	Temotu	Honiara
Proportion of raw materials for handicraft bought											
Total HHs	13,707	2,430	3,833	2,101	163	361	1,320	1,535	1,108	379	478
None	8,026	1,093	1,367	2,065	136	241	890	1,500	446	288	-
1 - 25%	3,882	847	1,914	16	27	112	129	34	623	63	117
26 - 50%	983	319	370	-	-	6	113	-	40	-	135
51 - 75%	150	111	39	-	-	-	-	-	-	-	-
76 - 100%	528	59	143	-	-	2	98	-	-	-	226
Proportion of raw materials sold											
Total HHs	13,707	2,430	3,833	2,101	163	361	1,320	1,535	1,108	379	478
None	9,871	2,037	2,319	1,982	163	356	574	1,420	369	190	459
1 - 25%	2,173	248	703	54	-	5	254	114	616	161	19
26 - 50%	516	104	413	-	-	-	-	-	-	-	-
51 - 75%	328	20	158	-	-	-	129	-	20	-	-
76 - 100%	532	-	240	-	-	-	189	-	103	-	-
Value of raw materials sold (\$SI)											
	2,394,189.71	295,288.63	1,045,203.67	15,258.67	-	5,920.31	770,139.88	33,856.82	207,886.98	17,648.33	2,986.42

9.3 Main Source of Income

Household agricultural holdings were asked to nominate their main source of household income for the past 12 months prior to the survey from among a list of possible income sources (**Table 9.3**). Income includes wages and salaries received by any employed member of the household from a particular occupation and net receipts derived from household activities, such as crop farming, livestock raising, fishing, non-farm business, pension, remittances, commodity trading, etc.

The results indicate that agricultural household incomes are based on two main sources: growing crops (nominated as the primary source by 47 percent of agricultural households); and paid work on non-agricultural occupations (reported by a further 27 percent of households). The reliance on growing crops for household income was greatest in Isabel, Malaita and Guadalcanal Provinces.

As expected, paid non-agricultural employment was primarily a feature of the urban province Honiara, where it was nominated by 96 percent of households, though rates of this main income source were considerably higher than average in Western and Rennell Bellona Provinces.

Of the other notable sources of income, raising livestock provides the main source of income for just 4 percent of households, with the greatest reliance in Temotu (10 percent) and Central Province (6 percent). Fishing provides the primary income source for 9 percent of agricultural households nationally, but is most important for households in Central (20 percent) and Isabel (19 percent) Provinces.

Table 9.3 Number of Household Agricultural Holdings by Main Source of Income, by Province: 2017

Main Source of Income	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Growing crops	52,234	2,308	7,399	4,762	1,973	3	13,794	15,641	4,409	1,754	192
Raising livestock	4,166	145	501	145	307	3	946	1,417	197	460	44
Fishing	10,134	581	2,244	1,276	1,105	-	539	3,432	263	694	-
Own non-farm business	4,117	491	852	36	162	151	1,048	784	441	76	76
Paid work in agr. occupation	2,058	-	111	17	-	6	638	474	686	88	38
Paid work on non-agr. occupation	29,735	1,210	5,551	413	797	326	4,775	4,160	1,643	1,333	9,528
Pension	207	9	91	61	-	-	45	-	-	-	-
Remittance	976	108	196	-	-	187	78	303	48	55	-
Commodity trading	7,069	1,079	525	21	1,124	32	2,134	164	1,608	340	42
Missing	423	-	60	23	22	-	-	304	14	-	-
Percent (%)											
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Growing crops	47.0	38.9	42.2	70.5	35.9	0.4	57.5	58.6	47.4	36.5	1.9
Raising livestock	3.7	2.4	2.9	2.1	5.6	0.4	3.9	5.3	2.1	9.6	0.4
Fishing	9.1	9.8	12.8	18.9	20.1	-	2.2	12.9	2.8	14.5	-
Own non-farm business	3.7	8.3	4.9	0.5	3.0	21.3	4.4	2.9	4.7	1.6	0.8
Paid work in agr. occupation	1.9	-	0.6	0.3	-	0.8	2.7	1.8	7.4	1.8	0.4
Paid work on non-agr. occupation	26.8	20.4	31.7	6.1	14.5	46.0	19.9	15.6	17.6	27.8	96.0
Pension	0.2	0.2	0.5	0.9	-	-	0.2	-	-	-	-
Remittance	0.9	1.8	1.1	-	-	26.4	0.3	1.1	0.5	1.1	-
Commodity trading	6.4	18.2	3.0	0.3	20.5	4.5	8.9	0.6	17.3	7.1	0.4
Missing	0.4	-	0.3	0.3	0.4	-	-	1.1	0.2	-	-

9.4 Loans

The survey also examined whether agricultural holdings availed loans to finance agricultural activities in the 12 month period leading up to the survey and, if so, the source of finance, loan amount, and purpose of loan during that period.

An estimated 525 agricultural holdings took out loans with more than half of these loans in Western Province and nearly 30 percent in Guadalcanal Province (**Table 9.4**). The total amount of agricultural household loans was estimated to be SI\$3,297,859 with an average estimated loan size of SI\$6,282. Loans were taken mainly used to meet the costs for agriculture inputs as well as agricultural development and marketing.

The majority of households with a loan had secured it from a savings club, while a further quarter had accessed their loans from the Bank of South Pacific (BSP) (**Annex Table A9.4**). The average size of the debt with BSP (SI\$7,487) was larger than the average size of the debt with savings clubs (SI\$4,427).

Table 9.4 Amount and Main Purpose of Loans, by Province: 2017

	Number of Households	Total Amount (\$SI)	Average Loan Value (\$SI)	Main Purpose of Loan			
				Agriculture Inputs (\$SI)	Agricultural Development (\$SI)	Marketing (\$SI)	Other (\$SI)
Total	525	3,297,859	6,282	1,577,500	875,838	478,736	365,786
%		100.0		47.8	26.6	14.5	11.1
Choiseul	-	-	-	-	-	-	-
Western	275	1,096,711	3,988	317,463	278,606	401,712	98,930
Isabel	-	-	-	-	-	-	-
Central	-	-	-	-	-	-	-
Rennell Bellona	-	-	-	-	-	-	-
Guadalcanal	150	1,526,893	10,179	1,260,037	-	-	266,856
Malaita	31	391,836	12,640	-	391,836	-	-
Makira	-	-	-	-	-	-	-
Temotu	-	-	-	-	-	-	-
Honiara	51	282,421	5,538	-	205,397	77,024	-

Note: The information for this table is not directly comparable to the information in Table 6.20 as the sources of data are different. The data for this table is sourced from question M2 in questionnaire Section M.

Sources: Annex Tables A9.3 – A9.5.

9.5 Drawbacks

Household agricultural holdings were asked to nominate their first, second and third drawbacks which impede across each of agriculture, forestry, fishing, handicrafts and livestock sub-sectors from among a list of possible challenges. **Table 9.5** provides a summary of the overall results across the five sub-sectors, showing the number of agricultural households that identified each drawback as their first, second or third option. In general, the number of household responses declined from the first drawback to the second and from the second to the third.

For agriculture, the main drawbacks reported were a lack of production inputs and lack of finance (both identified by 62 percent of agricultural households). In forestry, most households did not nominate a main drawback, though for those households that did nominate a drawback, again reported a lack of production inputs and lack of finance. Similarly, a large share of households did not report drawbacks to their handicraft or fishing activities, though of those that did nominate drawbacks, the lack of production inputs was important. A lack of market and new technologies/infrastructure were the main constraints identified to fishing activities.

Table 9.5 Household Agricultural Holdings by First, Second, and Third Choice of Drawbacks: 2017

	Drawbacks						N/A
	Total	Lack of production inputs	Lack of source of finance	Lack of management skills	Lack of market	Lack of new technologies / infrastructure	
Agriculture – 1st	111,117	38,413	24,511	10,311	13,307	5,964	18,611
Agriculture – 2nd	92,506	15,744	30,984	25,523	8,188	9,114	2,951
Agriculture – 3rd	89,554	15,095	13,258	29,486	12,479	14,563	4,673
Forestry – 1st	111,117	18,870	11,515	8,308	6,723	5,260	60,441
Forestry – 2nd	50,676	7,312	18,172	11,782	5,645	4,963	2,802
Forestry – 3rd	47,874	9,461	7,590	12,439	7,924	8,329	2,222
Handicraft – 1st	111,117	7,809	4,616	4,104	4,399	2,728	87,461
Handicraft – 2nd	23,566	3,511	6,794	6,736	3,571	1,798	1,245
Handicraft – 3rd	22,411	4,261	3,590	4,893	5,371	2,286	2,009
Fisheries – 1st	111,117	9,312	8,439	3,566	10,920	12,526	66,353
Fisheries – 2nd	44,836	5,360	11,529	10,945	7,901	6,625	2,485
Fisheries – 3rd	42,464	7,204	8,665	10,175	8,031	5,216	3,174
Livestock – 1st	111,117	15,832	10,829	5,986	6,454	11,022	60,995
Livestock – 2nd	50,123	5,739	15,787	12,517	9,217	4,618	2,245
Livestock – 3rd	47,878	8,254	8,898	14,106	7,053	7,756	1,812

Sources: Annex Tables: A9.6; A9.7; and A9.8

Chapter 10 – Food Security and Effect of Climate Change/Disaster

The survey aims to measure agricultural households' experiences of food insecurity in the 12 months prior to the survey, and its severity, by measuring eight behaviours and experiences that are typically associated with food insecurity. It also measured the link between households' food insecurity situation and climate change / natural disasters and the losses experienced by agricultural households as a result of these shocks.

10.1 Agricultural Holdings Reporting Food Security

The following discussion focuses on the eight indicators of food insecurity, moving from less severe food security – in which households were worried about running out of food – to more severe forms – actually cutting back on the quality and quantity consumed and even going without food altogether.

In general, all provinces recorded some level of food insecurity, even in its most severe form. Choiseul, Temotu and Guadalcanal Provinces tended to have the greatest share of households reporting food insecurity across most (though not all) measures (**Table 10.1 and Annex Table A10.1**; Makira was consistently the province with the least reported food insecurity for most indicators.

Table 10.1 Number and Percent of Household Agricultural Holdings (out of Total Household Agricultural Holdings) that Reported Experiencing Food Insecurity, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaika	Makira	Temotu	Honiara
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Worried would run out of food due to lack of money / resources	62,863	4,450	5,397	3,251	2,726	486	17,723	15,256	2,695	3,284	7,596
%	56.6	75.0	30.8	48.1	49.7	68.6	73.9	57.2	29.0	68.4	76.6
Unable to eat healthy food due to lack of money / resources	46,066	3,156	3,641	1,344	1,353	379	15,265	10,512	2,072	3,352	4,992
%	41.5	53.2	20.8	19.9	24.6	53.5	63.6	39.4	22.3	69.8	50.3
Eat only a few foods due to lack of money / resources	45,996	4,137	4,095	1,089	1,198	351	15,366	9,102	1,662	3,351	5,645
%	41.4	69.8	23.4	16.1	21.8	49.6	64.0	34.1	17.9	69.8	56.9
Skip a meal due to lack of money / resources	36,966	3,315	3,284	1,028	1,049	303	13,596	7,152	1,257	2,872	3,109
%	33.3	55.9	18.7	15.2	19.1	42.8	56.7	26.8	13.5	59.8	31.3
Ate less food than expected due to lack of money / resources	35,046	3,383	3,126	979	1,053	276	12,598	6,737	1,224	2,708	2,962
%	31.5	57.0	17.8	14.5	19.2	39.0	52.5	25.3	13.1	56.4	29.9
Household ran out of food due to lack of money / resources	24,516	2,172	1,623	986	846	253	9,590	4,856	1,320	1,840	1,031
%	22.1	36.6	9.3	14.6	15.4	35.7	40.0	18.2	14.2	38.3	10.4
Hungry but did not eat due to not enough money / resources	15,725	1,525	1,066	908	580	241	6,723	2,952	415	770	545
%	14.2	25.7	6.1	13.4	10.6	34.0	28.0	11.1	4.5	16.0	5.5

Without eating due to lack of money / resources	8,998	1,124	803	1,011	356	129	2,671	1,998	136	474	303
%	8.1	19.0	4.6	15.0	6.5	18.2	11.1	7.5	1.5	9.9	3.1

Worried would run out of food due to lack of money / resources

Anxieties and worry that there might not be enough food or that the household will run out of food are largely due to circumstances affecting the respondent's ability to procure food. This can occur for a variety of reasons, including: the loss of employment or other source of income, or other reasons for not having enough money; insufficient food production for own consumption; insufficient food available for hunting and gathering; disrupted social relationships; loss of customary benefits or food assistance; or even environmental or political crises.

In total, an estimated 62,863 agriculture holdings, or around 57 percent of total household agricultural holdings, reported this level of worry about food insecurity. This increased to around three-quarters of households in Choiseul, Guadalcanal and Honiara.

Unable to eat healthy food due to lack of money / resources

This indicator specifically refers to the quality of the diet and not the quantity of foods eaten because there was not enough money or other resources to get food. An estimated 46,066 households (41 percent of agricultural households) reported experiencing this form of food insecurity. The highest rate was in Temotu, where this was reported by an estimated 70 percent of agricultural households.

Eat only a few foods due to lack of money / resources

This indicator refers to the variety of food consumed. It implies that a lack of financial wherewithal or other resources is the primary reason for limiting the variety of food, not customary habits or other circumstances (i.e. health or religion). The presumption is that the diversity of foods consumed would likely increase if the household had better access to money / resources.

An estimated 45,996 households (41 percent of household agricultural holdings) reported eating a limited variety of foods, the same foods, or just a few kinds of foods every day because there was not enough money or other resources to get food. The highest rates were recorded in Choiseul and Temotu Provinces (both around 70 percent of agricultural households)

Skip a meal due to lack of money / resources

Reducing the quantity of food consumed is an indicator of more severe food insecurity than rearranging the composition of food eaten.

36,966 households (33 percent of household agricultural holdings) reported being forced to miss or skip a major meal (for example, breakfast, lunch or dinner, depending on the norm for number and times of meals in the culture) that would normally have been eaten because there was not enough money or other resources to get food. The rate was highest in Temotu, Choiseul and Guadalcanal Provinces, all around 60 percent.

Ate less food than expected due to lack of money / resources

This relates to the opinion of the respondent that they ate less than what they should, even if they did not skip a meal. In all, 35,046 households (31 percent of household agricultural holdings) were forced to eat less food than expected because the household did not have money or other resources to get food.

Household ran out of food due to lack of money / resources

An estimated 24,516 households (22 percent of household agricultural holdings) faced an instance where they ran out of food because household members did not have money, other resources, or any other means to get food. This was experienced by around two-fifths of households in Choiseul, Temotu and Guadalcanal Provinces.

A member of the household was hungry but did not eat due to not enough money / resources

An estimated 15,725 households (14 percent of household agricultural holdings) reported having a household member experience an episode of feeling hungry but did not eat because there was not enough money or other resources for food. This was reported by more than one-third of households in Rennell Bellona.

A member of the household went without eating for a whole day due to a lack of money / resources

This most severe form of self-reported food insecurity in the survey was experienced by an estimated 8,998 household agricultural households (8 percent). This specifically abstracts from people on special diets to lose weight or to fasting for health or religious reasons. In most provinces this form of food insecurity was relatively rare, though in Choiseul and Rennell Bellona Provinces it was a prospect faced by nearly 20 percent of all agricultural households.

10.2 Agricultural Holdings Affected by Climate Change / Disaster and Food Security

The survey captured the impact of specified natural disasters on household agricultural holdings' food security. This includes major climatic and physical events, as well as major pest attacks. Households may also have suffered from one or more climatic or other disaster events.

In general, such events and/or disasters were widespread and distributed across all provinces, more highly experienced among agricultural households in Rennell Bellona, Makira and Guadalcanal Provinces (**Table 10.2**). All disasters had the effect of tipping households into various states of food insecurity though, in general, the effects of non-climate change related disasters were somewhat less correlated with episodes of food insecurity (**Annex Table A10.2**).

Table 10.2 Number and Percent of Household Agricultural Holdings Affected by Climate Change/Disaster, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Hydro-meteorological events											
Yes	18,697	993	393	381	54	193	6,679	6,236	3,114	603	51
No	91,619	4,937	17,137	6,351	5,410	464	17,258	19,847	6,195	4,150	9,870
Don't know	450	-	-	-	25	51	60	278	-	36	-
Climatological events											
Yes	5,671	247	98	63	63	38	1,384	1,072	2,633	72	-
No	104,642	5,683	17,432	6,669	5,401	625	22,598	24,935	6,661	4,717	9,921
Don't know	452	-	-	-	25	44	15	354	14	-	-
Non-climate related disaster											
Yes	2,459	21	34	56	-	11	356	183	1,797	-	-
No	107,918	5,909	17,495	6,676	5,464	642	23,640	25,869	7,512	4,789	9,921
Don't know	388	-	-	-	25	55	-	308	-	-	-
Biological disasters (i.e. by African snail or Rhinoceros beetle)											
Yes	5,872	34	567	23	-	26	3,219	129	240	416	1,218
No	104,306	5,896	16,963	6,710	5,464	669	20,778	25,682	9,069	4,373	8,703
Don't know	587	-	-	-	25	12	-	550	-	-	-
Other disasters											
Yes	13,351	220	1,440	207	32	671	3,538	4,122	1,955	1,151	16
No	96,767	5,711	16,090	6,525	5,432	37	20,367	21,774	7,319	3,608	9,905
Don't know	646	-	-	-	25	-	92	465	35	30	-
Percent (%)											
Hydro-meteorological events											
Yes	100.0	5.3	2.1	2.0	0.3	1.0	35.7	33.4	16.7	3.2	0.3
No	100.0	5.4	18.7	6.9	5.9	0.5	18.8	21.7	6.8	4.5	10.8
Don't know	100.0	-	-	-	5.6	11.3	13.3	61.8	-	8.0	-
Climatological events											
Yes	100.0	4.4	1.7	1.1	1.1	0.7	24.4	18.9	46.4	1.3	-
No	100.0	5.4	16.7	6.4	5.2	0.6	21.6	23.8	6.4	4.5	9.5
Don't know	100.0	-	-	-	5.5	9.7	3.3	78.3	3.1	-	-
Non-climate related disaster											
Yes	100.0	0.9	1.4	2.3	-	0.4	14.5	7.4	73.1	-	-
No	100.0	5.5	16.2	6.2	5.1	0.6	21.9	24.0	7.0	4.4	9.2
Don't know	100.0	-	-	-	6.4	14.2	-	79.4	-	-	-
Biological disasters (i.e. by African snail or Rhinoceros beetle)											
Yes	100.0	0.6	9.7	0.4	-	0.4	54.8	2.2	4.1	7.1	20.7
No	100.0	5.7	16.3	6.4	5.2	0.6	19.9	24.6	8.7	4.2	8.3
Don't know	100.0	-	-	-	4.3	2.0	-	93.7	-	-	-
Other disasters											
Yes	100.0	1.6	10.8	1.6	0.2	5.0	26.5	30.9	14.6	8.6	0.1
No	100.0	5.9	16.6	6.7	5.6	0.0	21.0	22.5	7.6	3.7	10.2
Don't know	100.0	-	-	-	3.9	-	14.2	72.0	5.4	4.6	-

Note: Some sub-column totals do not add up due to exclusion of unspecified responses

An estimated 18,697 households (17 percent of household agricultural holdings) reporting experiencing hydro-meteorological events (e.g., storms, floods, etc.) Collectively, Makira and Guadalcanal accounted for almost 70 percent of these households, with one-third of all households affected in Makira. Hydro-meteorological events caused an estimated 11,371 households – 61 percent of the total agriculture holdings that experienced the shock – to become worried they would run out of food due to lack of money / resources. It caused a further 27 percent of households to report running out of food (**Annex Table A10.2**). Rates of food-

insecurity brought about by hydro-meteorological events were generally highest in Honiara, Guadalcanal, and Choiseul Provinces.

An estimated 5,671 households experienced climatological events (e.g., drought, wildfire etc.). Almost 90 percent of these household agricultural holdings were located in Guadalcanal, Malaita, and Makira Provinces.

Non-climate-related natural disasters (e.g., earth-quakes, volcano eruptions, tsunamis etc.) were experienced by an estimated 2,459 household agricultural holdings. Around three-quarters of these households were located in Makira Province.

An estimated 5,872 household agricultural holdings experienced biological disasters (i.e. by the African snail and the Rhinoceros beetle). Around three-quarters of these households were located in Guadalcanal and Honiara. In general, a biological disaster tended to create food insecurity among most households that experienced it, with 72 percent of households reporting being worried they would run out of food and 30 percent actually running out of food. Instances of more severe forms of food insecurity tended to be higher in Guadalcanal than in Honiara.

An estimated 13,351 household agricultural holdings experienced other disasters (e.g., epidemics, other insect infestations, etc.) Most of these households were in Malaita and Guadalcanal Provinces, though notably this type of shock affected an estimated 95 percent of households in Rennell Bellona Province.

10.3 Impact of Climate Change and Disaster on Agricultural Holdings

The extent of losses resulting from disasters was assessed in terms of the impact on total agricultural activity. This, in turn, is categorised in terms of hectares of land, monetary value of total agricultural outputs, the impacts on agricultural inputs as well as on human lives

In general, climatic and other natural disasters had some adverse effect on household agricultural holdings. Non-climate related disasters were most likely to create “severe” impacts on agricultural households (measured as a fall in total agricultural output of more than 40 percent), with an estimated 1,109 agricultural households, or 45 percent of households that experienced the shock. This compares with both hydro-meteorological and climatological events, where one-third of agricultural households affected by these events reported severe impacts (**Annex Table A10.3**). Of the 5,872 agricultural households that experienced a biological disaster, 21 percent reported no effect on their agricultural output.

The following eight subsections refer to the information provided in **Annex Table A10.4**. This table presents information by province about the impact of various types of climate change and disaster on land area, yield, transport, equipment and machinery, and buildings.

10.3.1 Impact of Climate Change and Disaster on Land Area

In total, an estimated 619,998 hectares of land were reported to be affected by disasters, of which 464,602 hectares reflected hydro-meteorological events (**Annex Table A10.4**). Almost all of this land was located in Guadalcanal. A further 145,966 hectares were affected by other disasters.

10.3.2 Impact of Climate Change and Disaster on Output

An estimated SI\$21,524,422 was lost in total from the value of agricultural output nationwide as result of climatic events and disasters. This assumes normal market conditions of supply and demand. Most of these losses, amounting to SI\$12,487,321, were hydro-meteorological events and mainly impacted agricultural households in Guadalcanal and Malaita. A further SI\$7,653,632 was lost due to other disasters, including biological events, again mainly in Guadalcanal. Climatological events reduced output by an estimated SI\$954,379, with most of these losses concentrated in Makira and Malaita Provinces.

10.3.3 Impact of Climate Change and Disaster on Transport Costs

Climatological events and natural disasters also increased the estimated total transport cost paid by the households to move goods to the market or place of sale to be sold by an SI\$1,011,483.

10.3.4 Impact of Climate Change and Disaster on Equipment and Machinery

Hydro-meteorological events had the greatest impact on the value of machinery and equipment. In total, SI\$92,937 worth of equipment and machinery (e.g., generator, chainsaw, vehicle), was damaged, destroyed and/or unusable as a result of these events. Most losses were concentrated among agricultural households in Guadalcanal.

10.3.5 Impact of Climate Change and Disaster on Buildings

An estimated total of SI\$3,211,615 worth of buildings were affected/destroyed by climatological events and disasters. This included the value of labour and materials needed to re-build the building(s). Most building losses were the result of hydro-meteorological events and non-climate related disasters and were concentrated primarily in Guadalcanal and Makira Provinces.

10.3.6 Impact of Climate Change and Disaster on Stock

An estimated SI\$1,868,515 worth of stock that was stored/kept prior to the disaster/climatological event were destroyed or impaired during the shock. Most stock losses were due to other disasters and concentrated in Guadalcanal (**Annex Table A10.5**).

10.3.7 Impact of Climate Change and Disaster on Other Operating Costs

Climatological events and disasters also increased other operating costs of agricultural households by an estimated SI\$193,776 nationwide. This can include increases in the price of fertilisers, fuels and fungicide/sprays used by the household, rising costs of electricity and solar costs, as well as increased fees for accounting, bookkeeping and daily wage rates. It excludes transport costs, which were recorded separately (**Annex Table A10.5**).

10.3.8 Impact of Climate Change and Disaster on Human Lives

Tragically, natural disasters of this nature can also impact human life. Non-climate change related disasters caused an estimated 60 deaths / missing persons in the 12 months leading up to the survey in 2017. These were all located in Makira.

10.4 Time Until Crop/Production Resumed After Impact of Climate Change and Disaster

In general, the agricultural areas affected by disasters were able to resume within a relatively short timeframe, with most agricultural households affected by a hydro-meteorological event, for instance, able to resume crop or agricultural production within two months. While the time taken to resume activities following such a hydro-meteorological event tended to be slower than for other shocks, more than three-quarters of affected agricultural households were able to resume within two months (**Table 10.3**)

Table 10.3 Number of Household Agricultural Holdings by Time till Crop/Production Resumed After Impact of Climate Change and Disaster, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Hydro-meteorological events											
Total	18,697	993	393	381	54	193	6,679	6,236	3,114	603	51
0 - 2 months	14,384	406	295	336	55	193	4,239	5,596	2,276	268	51
3 - 4 months	3,937	438	118	47	-	-	1,706	640	612	223	-
5 - 7 months	1,128	167	-	-	-	-	661	-	194	30	-
8+ months	210	17	-	-	-	-	73	-	32	83	-
Climatological events											
Total	5,671	247	98	63	63	38	1,384	1,072	2,633	72	-
0 - 2 months	5,022	227	98	63	63	38	1,250	1,072	2,150	61	-
3 - 4 months	565	20	-	-	-	-	134	-	411	-	-
5 - 7 months	72	-	-	-	-	-	-	-	72	-	-
8+ months	12	-	-	-	-	-	-	-	-	12	-
Non-climate related natural disasters											
Total	2,459	21	34	56	-	11	356	183	1,797	-	-
0 - 2 months	2,358	-	34	56	-	11	356	183	1,716	-	-
3 - 4 months	102	21	-	-	-	-	-	-	81	-	-
5 - 7 months	-	-	-	-	-	-	-	-	-	-	-
8+ months	-	-	-	-	-	-	-	-	-	-	-
Other disasters											
Total	13,351	220	1,440	207	32	671	3,538	4,122	1,955	1,151	16
0 - 2 months	12,079	172	1,405	207	32	610	3,274	4,122	1,432	809	16
3 - 4 months	924	48	-	-	-	-	225	-	471	180	-
5 - 7 months	186	-	-	-	-	6	-	-	52	129	-
8+ months	162	-	34	-	-	56	39	-	-	33	-

Note: Refer also to note below Annex Table A10.4

Annex I: Detailed Statistical Tables

Detailed Statistical Tables for Chapter 4

Table A4.1 Estimated Total Population by Relationship, by Province and Sex: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total											
Total	639,327	33,606	89,889	31,858	30,998	3,878	136,645	155,406	50,459	24,224	82,365
Head of household	120,052	6,231	18,577	6,805	5,618	735	27,001	27,986	9,407	5,112	12,581
Spouse	98,068	4,804	14,768	5,926	4,844	455	22,351	23,267	7,566	3,761	10,328
Biological born son and daughter	290,605	13,047	34,416	14,921	15,394	1,653	67,117	77,898	22,292	10,173	33,692
Adopted son or daughter	9,534	569	1,177	778	471	88	1,025	2,880	1,293	629	625
Brother / Sister	15,512	294	1,809	281	479	75	3,293	2,836	1,724	406	4,315
Grandchild	45,203	5,186	9,738	1,880	1,880	498	6,185	9,578	3,689	2,118	4,452
Parent of head	6,727	313	713	246	503	79	1,149	2,015	622	323	764
Parent of spouse	2,980	65	527	53	181	13	592	862	387	111	190
Child of spouse (step child)	1,089	73	126	-	111	10	61	455	75	92	88
Other relatives	40,698	2,739	6,021	743	1,450	267	7,832	7,517	3,185	1,375	9,568
No relation	8,703	287	1,957	225	49	5	41	84	168	124	5,762
Missing	156	-	60	-	18	-	-	26	52	-	-
Male											
Total	320,189	16,962	44,566	15,967	14,845	1,829	70,097	77,142	25,962	12,022	40,797
Head of household	104,021	5,237	16,278	6,150	5,108	581	23,114	24,669	8,168	4,199	10,516
Spouse	1,261	53	185	-	23	4	316	-	137	42	502
Biological born son and daughter	151,517	6,933	17,156	7,445	7,474	822	36,519	40,512	11,945	5,182	17,531
Adopted son or daughter	5,353	326	720	443	289	34	657	1,462	786	397	238
Brother / Sister	7,915	127	779	71	217	31	1,741	1,696	942	147	2,165
Grandchild	22,680	2,798	4,757	1,141	800	234	2,928	4,804	1,781	1,040	2,396
Parent of head	2,114	43	164	63	167	5	456	719	154	157	184
Parent of spouse	959	-	134	18	84	-	352	233	60	36	41
Child of spouse (step child)	421	-	41	-	27	-	61	158	75	36	23
Other relatives	19,793	1,263	3,239	463	640	116	3,952	2,803	1,832	714	4,770
No relation	4,098	182	1,082	172	16	2	-	60	81	73	2,430
Missing	56	-	30	-	-	-	-	26	-	-	-
Female											
Total	319,138	16,644	45,323	15,890	16,153	2,049	66,548	78,263	24,498	12,201	41,568
Head of household	16,031	994	2,298	655	510	154	3,887	3,317	1,239	912	2,065
Spouse	96,807	4,750	14,583	5,926	4,822	451	22,035	23,267	7,428	3,719	9,826
Biological born son and daughter	139,087	6,115	17,260	7,476	7,920	832	30,598	37,387	10,347	4,992	16,161
Adopted son or daughter	4,181	243	457	334	182	54	367	1,418	507	231	387
Brother / Sister	7,597	166	1,030	210	262	44	1,552	1,141	782	259	2,151
Grandchild	22,523	2,388	4,981	738	1,080	264	3,257	4,774	1,907	1,079	2,055
Parent of head	4,613	269	548	183	336	73	693	1,297	469	165	580
Parent of spouse	2,021	65	393	35	97	13	240	628	327	75	149
Child of spouse (step child)	669	73	85	-	84	10	-	297	-	56	64
Other relatives	20,905	1,476	2,782	281	810	151	3,880	4,714	1,353	661	4,798
No relation	4,604	105	875	52	33	3	41	24	87	52	3,333
Missing	100	-	30	-	18	-	-	-	52	-	-

Table A4.2 Estimated Population of Household Agricultural Holdings by Relationship, by Province and Sex: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total											
Total	589,294	31,788	85,177	31,615	30,313	3,732	120,420	148,316	49,907	22,754	65,273
Head of household	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Spouse	90,670	4,574	13,935	5,882	4,737	436	19,848	22,158	7,479	3,528	8,093
Biological born son and daughter	268,728	12,360	32,685	14,813	15,037	1,592	59,626	74,230	22,056	9,530	26,799
Adopted son or daughter	9,064	539	1,123	769	466	84	917	2,812	1,275	584	495
Brother / Sister	13,690	286	1,725	278	467	74	2,563	2,692	1,695	381	3,531
Grandchild	42,768	4,864	9,379	1,865	1,857	479	5,525	9,326	3,665	1,976	3,832
Parent of head	6,204	296	678	244	494	77	902	1,945	618	312	637
Parent of spouse	2,806	63	514	52	179	12	524	848	381	106	127
Child of spouse (step child)	1,029	68	112	-	108	9	54	433	75	89	80
Other relatives	35,937	2,541	5,637	733	1,414	256	6,435	7,085	3,135	1,324	7,376
No relation	7,128	267	1,800	223	49	5	27	83	168	124	4,382
Missing	154	-	59	-	17	-	-	26	51	-	-
Male											
Total	294,998	15,981	42,098	15,836	14,501	1,764	61,909	73,571	25,659	11,281	32,397
Head of household	96,307	4,984	15,353	6,106	4,991	558	20,534	23,472	8,081	3,949	8,279
Spouse	1,032	43	164	-	22	4	268	-	132	36	363
Biological born son and daughter	140,018	6,527	16,229	7,385	7,289	794	32,575	38,585	11,809	4,851	13,974
Adopted son or daughter	5,058	308	679	437	284	33	594	1,422	773	367	162
Brother / Sister	6,933	122	744	69	214	30	1,370	1,597	922	140	1,723
Grandchild	21,391	2,609	4,555	1,132	788	227	2,664	4,673	1,771	958	2,016
Parent of head	1,956	43	158	63	164	5	356	701	152	153	162
Parent of spouse	906	-	131	17	83	-	308	233	60	35	38
Child of spouse (step child)	388	-	37	-	26	-	54	140	75	35	21
Other relatives	17,557	1,171	3,037	455	623	112	3,186	2,664	1,803	685	3,821
No relation	3,396	174	983	170	16	2	-	59	81	72	1,838
Missing	56	-	29	-	-	-	-	26	-	-	-
Female											
Total	294,296	15,807	43,079	15,779	15,811	1,968	58,511	74,745	24,248	11,473	32,876
Head of household	14,811	947	2,177	649	498	149	3,463	3,206	1,227	852	1,642
Spouse	89,638	4,531	13,771	5,882	4,715	432	19,580	22,158	7,347	3,492	7,730
Biological born son and daughter	128,711	5,832	16,457	7,428	7,747	798	27,051	35,645	10,247	4,679	12,826
Adopted son or daughter	4,005	231	444	332	182	51	324	1,390	502	216	333
Brother / Sister	6,757	163	981	209	252	44	1,193	1,095	773	240	1,807
Grandchild	21,376	2,255	4,824	734	1,068	253	2,861	4,653	1,895	1,019	1,815
Parent of head	4,248	253	520	181	329	71	547	1,245	466	159	475
Parent of spouse	1,900	63	382	35	96	12	216	615	321	71	89
Child of spouse (step child)	641	68	76	-	82	9	-	293	-	55	59
Other relatives	18,380	1,370	2,601	278	791	145	3,249	4,421	1,332	639	3,556
No relation	3,731	93	817	52	33	3	27	24	87	51	2,544
Missing	98	-	29	-	17	-	-	-	51	-	-

Table A4.3 Estimated Total Population by 5-year Age Group, by Province and Sex: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaïta	Makira	Temotu	Honiara
Total											
Total	639,327	33,606	89,889	31,858	30,998	3,878	136,645	155,406	50,459	24,224	82,365
0-4	76,907	5,496	11,219	3,677	3,542	494	16,859	16,645	6,747	3,064	9,164
5-9	90,943	5,163	12,314	4,560	4,516	524	18,920	23,266	8,109	4,050	9,521
10-14	80,711	4,318	11,139	4,655	4,150	475	16,364	20,231	6,702	3,165	9,511
15-19	67,171	2,228	8,173	2,489	3,588	426	14,455	19,120	4,239	1,964	10,490
20-24	49,281	2,138	6,633	1,837	2,311	314	10,913	11,502	3,750	1,050	8,832
25-29	51,397	2,494	6,324	2,260	2,473	252	13,046	12,469	3,374	1,539	7,166
30-34	44,408	2,278	6,048	2,205	1,792	185	9,963	9,746	3,735	1,343	7,113
35-39	45,811	1,746	6,290	2,628	2,126	173	10,099	11,023	3,439	2,000	6,286
40-44	32,645	1,711	4,915	1,925	1,853	236	5,980	7,640	2,466	1,427	4,493
45-49	29,986	1,810	4,904	1,743	1,610	199	6,121	6,307	2,307	1,360	3,624
50-54	20,948	1,345	3,400	979	1,152	144	3,951	5,541	1,603	735	2,096
55-59	16,046	1,077	2,736	1,117	424	136	3,253	3,627	1,286	745	1,644
60-64	12,343	749	1,687	673	571	137	2,613	3,159	1,025	638	1,092
65-69	8,248	430	1,863	554	312	93	1,679	1,679	589	388	662
70-74	5,565	275	930	306	252	45	1,092	1,600	343	340	381
75+	6,918	347	1,314	247	326	45	1,337	1,852	746	414	290
Missing	-	-	-	-	-	-	-	-	-	-	-
Male											
Total	320,189	16,962	44,566	15,967	14,845	1,829	70,097	77,142	25,962	12,022	40,797
0-4	40,205	2,765	5,917	1,819	1,603	218	8,618	8,890	3,351	1,592	5,432
5-9	48,929	2,898	6,610	2,471	2,097	248	10,434	12,500	4,436	2,072	5,163
10-14	40,227	2,272	5,344	2,587	1,887	223	8,793	9,329	3,537	1,832	4,424
15-19	31,640	1,197	3,645	1,176	1,898	180	6,997	9,023	2,198	888	4,438
20-24	23,530	1,069	2,851	804	1,008	170	5,682	5,187	2,059	499	4,200
25-29	23,399	1,017	3,043	931	980	115	6,126	5,627	1,600	548	3,412
30-34	21,195	999	2,746	918	853	79	4,797	4,877	1,845	606	3,475
35-39	21,043	789	2,890	1,290	1,084	91	4,332	5,308	1,690	753	2,816
40-44	17,538	846	2,571	938	1,011	73	3,614	4,234	1,247	748	2,255
45-49	15,575	894	2,720	971	775	103	3,112	3,072	1,218	685	2,025
50-54	11,364	767	1,965	511	690	69	2,271	2,747	884	352	1,108
55-59	7,891	544	1,372	585	181	97	1,452	1,826	563	412	859
60-64	6,628	419	702	371	319	77	1,448	1,803	602	384	503
65-69	4,291	178	951	269	209	44	883	849	302	230	376
70-74	2,946	146	574	164	95	25	630	854	105	188	167
75+	3,790	162	664	163	156	17	906	1,018	324	235	145
Missing	-	-	-	-	-	-	-	-	-	-	-
Female											
Total	319,138	16,644	45,323	15,890	16,153	2,049	66,548	78,263	24,498	12,201	41,568
0-4	36,703	2,731	5,301	1,859	1,939	276	8,240	7,756	3,396	1,472	3,732
5-9	42,014	2,265	5,704	2,089	2,419	276	8,486	10,765	3,674	1,978	4,358
10-14	40,484	2,046	5,795	2,068	2,264	252	7,572	10,902	3,165	1,334	5,087
15-19	35,530	1,031	4,527	1,313	1,690	246	7,458	10,097	2,040	1,077	6,052
20-24	25,751	1,069	3,782	1,034	1,303	144	5,231	6,315	1,691	551	4,631
25-29	27,998	1,477	3,281	1,330	1,494	136	6,920	6,842	1,773	991	3,754
30-34	23,214	1,279	3,302	1,287	939	106	5,166	4,868	1,890	737	3,638
35-39	24,768	957	3,400	1,339	1,042	82	5,768	5,715	1,749	1,247	3,470
40-44	15,107	865	2,344	987	842	163	2,366	3,406	1,218	679	2,238
45-49	14,411	916	2,185	773	835	96	3,009	3,235	1,088	675	1,599
50-54	9,584	578	1,435	468	462	75	1,680	2,794	719	383	989
55-59	8,155	533	1,364	532	243	40	1,801	1,801	723	333	785
60-64	5,715	330	985	302	252	59	1,165	1,356	423	254	589
65-69	3,957	251	912	285	103	49	796	831	287	158	286
70-74	2,620	130	356	142	158	21	461	746	238	152	215
75+	3,128	186	649	83	170	28	432	835	422	179	145
Missing	-	-	-	-	-	-	-	-	-	-	-

Table A4.4 Estimated Population of Household Agricultural Holdings by 5-year Age Group, by Province and Sex: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaika	Makira	Temotu	Honiara
Total											
Total	589,294	31,788	85,177	31,615	30,313	3,732	120,420	148,316	49,907	22,754	65,273
0-4	71,436	5,222	10,647	3,647	3,480	470	15,171	15,898	6,669	2,871	7,360
5-9	84,745	4,897	11,702	4,526	4,422	504	17,071	22,378	8,022	3,805	7,418
10-14	74,615	4,096	10,615	4,624	4,056	461	14,434	19,327	6,633	2,989	7,380
15-19	61,166	2,074	7,765	2,471	3,494	413	12,584	18,272	4,195	1,855	8,044
20-24	44,532	2,005	6,217	1,819	2,251	300	9,192	10,885	3,692	976	7,193
25-29	47,232	2,344	5,919	2,243	2,414	239	11,439	11,852	3,343	1,433	6,007
30-34	40,392	2,146	5,673	2,190	1,758	179	8,706	9,178	3,697	1,252	5,613
35-39	42,042	1,654	5,947	2,613	2,079	166	8,806	10,524	3,396	1,868	4,991
40-44	29,903	1,640	4,669	1,906	1,815	227	5,212	7,253	2,430	1,355	3,396
45-49	27,725	1,732	4,638	1,733	1,572	195	5,459	6,003	2,282	1,278	2,833
50-54	19,384	1,265	3,209	971	1,128	138	3,474	5,282	1,592	689	1,636
55-59	15,024	1,014	2,591	1,108	415	132	2,936	3,473	1,276	699	1,381
60-64	11,604	696	1,614	667	556	131	2,331	3,049	1,015	596	949
65-69	7,611	413	1,791	548	306	90	1,381	1,587	584	374	537
70-74	5,221	262	905	303	249	45	983	1,547	340	320	267
75+	6,661	328	1,275	246	319	43	1,242	1,805	741	393	269
Missing	-	-	-	-	-	-	-	-	-	-	-
Male											
Total	294,998	15,981	42,098	15,836	14,501	1,764	61,909	73,571	25,659	11,281	32,397
0-4	37,131	2,604	5,639	1,799	1,572	209	7,802	8,530	3,307	1,484	4,187
5-9	45,551	2,734	6,219	2,452	2,054	240	9,499	11,986	4,391	1,939	4,038
10-14	37,131	2,131	5,075	2,565	1,837	216	7,765	8,907	3,494	1,736	3,404
15-19	29,154	1,126	3,462	1,168	1,855	175	6,173	8,604	2,174	832	3,585
20-24	21,167	1,002	2,646	796	978	164	4,742	4,926	2,025	469	3,419
25-29	21,401	958	2,837	923	951	109	5,309	5,321	1,586	514	2,892
30-34	19,279	939	2,552	910	835	77	4,197	4,586	1,823	563	2,798
35-39	19,425	744	2,737	1,282	1,059	86	3,825	5,098	1,671	695	2,228
40-44	16,048	811	2,430	929	990	70	3,129	4,001	1,228	709	1,753
45-49	14,336	854	2,565	965	758	101	2,811	2,914	1,204	650	1,513
50-54	10,494	718	1,854	507	674	68	1,970	2,592	875	332	904
55-59	7,295	507	1,301	582	177	93	1,280	1,741	556	376	681
60-64	6,200	391	664	368	311	74	1,282	1,737	599	360	416
65-69	4,003	170	917	265	206	42	740	810	299	221	334
70-74	2,751	139	559	163	94	24	549	829	104	179	111
75+	3,632	152	642	163	152	17	836	991	323	223	134
Missing	-	-	-	-	-	-	-	-	-	-	-
Female											
Total	294,296	15,807	43,079	15,779	15,811	1,968	58,511	74,745	24,248	11,473	32,876
0-4	34,305	2,618	5,008	1,848	1,908	261	7,370	7,369	3,363	1,387	3,173
5-9	39,195	2,163	5,483	2,074	2,368	265	7,572	10,392	3,632	1,867	3,380
10-14	37,484	1,965	5,541	2,059	2,220	245	6,668	10,420	3,138	1,253	3,976
15-19	32,012	948	4,303	1,303	1,640	237	6,411	9,668	2,021	1,023	4,459
20-24	23,364	1,003	3,571	1,023	1,273	137	4,449	5,960	1,667	507	3,774
25-29	25,831	1,386	3,083	1,320	1,462	130	6,129	6,530	1,756	919	3,115
30-34	21,113	1,207	3,121	1,280	923	102	4,510	4,592	1,874	689	2,815
35-39	22,617	910	3,210	1,331	1,019	80	4,981	5,426	1,725	1,173	2,763
40-44	13,855	830	2,239	978	824	158	2,083	3,253	1,203	646	1,643
45-49	13,389	878	2,073	767	814	94	2,648	3,089	1,078	628	1,320
50-54	8,889	546	1,355	465	453	70	1,504	2,690	717	357	732
55-59	7,729	507	1,290	526	238	39	1,655	1,733	719	323	699
60-64	5,404	305	950	299	246	57	1,049	1,313	416	236	533
65-69	3,608	243	874	283	100	48	641	778	285	153	204
70-74	2,470	123	346	140	155	21	434	717	236	141	155
75+	3,029	175	633	83	167	26	406	815	418	170	135
Missing	-	-	-	-	-	-	-	-	-	-	-

Table A4.5 Estimated Population by Education Level, by Province and Sex: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total											
Total	639,327	33,606	89,889	31,858	30,998	3,878	136,645	155,406	50,459	24,224	82,365
No schooling	120,359	5,492	16,330	5,443	6,231	464	22,496	38,496	8,346	5,105	11,956
Early childhood education (ECE)	46,535	3,522	4,134	3,076	2,743	210	10,384	11,784	5,021	1,858	3,803
Primary education	261,117	16,123	40,490	14,375	12,879	1,443	56,152	62,065	21,131	11,794	24,666
Junior secondary education [F1 - F3]	98,381	5,270	15,377	5,646	4,971	921	21,703	21,516	8,046	3,312	11,619
Senior secondary education [F4 - F7]	59,396	2,056	7,178	2,205	2,532	610	14,000	11,652	3,990	1,530	13,642
Technical vocational education training	10,187	322	1,897	346	222	29	2,692	1,213	1,397	154	1,915
Tertiary education	37,690	742	3,287	641	949	189	8,576	6,744	1,830	446	14,287
Other	2,594	81	212	92	294	9	643	326	449	12	477
Missing	3,068	-	984	35	177	2	-	1,609	250	11	-
Male											
Total	320,189	16,962	44,566	15,967	14,845	1,829	70,097	77,142	25,962	12,022	40,797
No schooling	56,606	2,980	8,220	2,373	2,627	192	10,608	17,688	3,362	2,242	6,314
Early childhood education (ECE)	24,530	1,665	2,054	1,551	1,407	100	5,481	6,445	2,991	771	2,064
Primary education	129,644	8,370	19,823	7,382	5,980	636	28,448	30,769	10,565	6,096	11,575
Junior secondary education [F1 - F3]	46,782	2,350	6,949	2,690	2,480	421	10,011	10,506	4,452	1,786	5,137
Senior secondary education [F4 - F7]	30,244	996	3,695	1,160	1,345	309	7,608	5,771	2,201	774	6,385
Technical vocational education training	7,245	216	1,211	248	146	29	2,098	898	910	83	1,408
Tertiary education	22,211	354	1,997	473	660	133	5,515	4,040	1,079	258	7,700
Other	1,315	30	75	55	158	9	329	178	255	12	213
Missing	1,610	-	542	35	42	-	-	846	145	-	-
Female											
Total	319,138	16,644	45,323	15,890	16,153	2,049	66,548	78,263	24,498	12,201	41,568
No schooling	63,752	2,511	8,110	3,070	3,604	272	11,888	20,807	4,984	2,863	5,642
Early childhood education (ECE)	22,005	1,856	2,080	1,525	1,336	110	4,903	5,339	2,030	1,087	1,739
Primary education	131,473	7,753	20,667	6,993	6,899	806	27,704	31,296	10,567	5,698	13,091
Junior secondary education [F1 - F3]	51,598	2,920	8,428	2,956	2,490	500	11,692	11,011	3,594	1,526	6,482
Senior secondary education [F4 - F7]	29,152	1,060	3,483	1,044	1,187	302	6,392	5,881	1,788	757	7,257
Technical vocational education training	2,941	106	686	98	77	-	594	315	487	71	507
Tertiary education	15,479	388	1,290	168	288	55	3,061	2,703	750	188	6,587
Other	1,279	50	137	37	136	-	314	147	193	-	264
Missing	1,458	-	441	-	136	2	-	764	104	11	-

Table A4.6 Estimated Total Population (10+ years) by Employment Status, by Province and Sex: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total											
Total	471,477	22,947	66,356	23,620	22,941	2,860	100,867	115,495	35,603	17,109	63,680
Own-account	176,138	12,778	33,985	14,475	7,246	1,292	42,576	32,028	18,351	7,046	6,360
Employer	4,039	118	540	31	119	3	2,670	297	132	80	50
Employee - government	20,602	749	2,226	547	858	173	3,886	4,961	1,182	516	5,505
Employee - private	32,549	1,012	5,001	837	309	242	5,016	4,514	917	519	14,183
Unpaid worker	45,336	1,749	3,233	64	3,316	61	10,290	16,587	4,369	3,133	2,534
Student	133,785	4,716	16,417	6,698	7,567	973	31,497	29,496	9,538	4,892	21,991
Other	37,194	1,661	4,382	968	3,206	90	4,478	7,554	933	883	13,038
Missing	21,834	165	572	-	319	26	453	20,057	181	41	19
Male											
Total	231,055	11,299	32,038	11,678	11,145	1,363	51,044	55,752	18,175	8,358	30,202
Own-account	82,560	6,053	15,208	6,440	3,881	493	20,496	14,865	9,157	3,417	2,552
Employer	2,875	87	337	31	76	-	1,938	184	117	56	50
Employee - government	11,444	287	1,397	352	617	122	2,056	2,840	731	277	2,766
Employee - private	23,749	866	3,704	765	255	212	3,319	3,763	722	438	9,705
Unpaid worker	18,651	742	1,407	31	1,308	33	4,312	7,153	1,751	993	919
Student	67,584	2,477	7,978	3,583	3,717	469	17,113	14,010	5,164	2,702	10,370
Other	13,776	668	1,710	475	1,160	28	1,481	3,541	418	476	3,820
Missing	10,417	120	298	-	131	7	331	9,397	114	-	19
Female											
Total	240,422	11,648	34,318	11,942	11,796	1,497	49,822	59,742	17,427	8,751	33,478
Own-account	93,578	6,725	18,778	8,035	3,365	800	22,080	17,164	9,194	3,630	3,808
Employer	1,164	31	203	-	43	3	732	113	15	24	-
Employee - government	9,158	462	829	195	241	51	1,830	2,121	450	239	2,739
Employee - private	8,799	146	1,298	72	54	29	1,697	751	195	80	4,478
Unpaid worker	26,685	1,007	1,825	33	2,008	28	5,978	9,434	2,618	2,139	1,615
Student	66,202	2,238	8,438	3,115	3,851	505	14,384	15,487	4,373	2,190	11,620
Other	23,418	993	2,673	493	2,046	62	2,998	4,013	515	407	9,218
Missing	11,417	45	274	-	188	19	122	10,660	67	41	-

Table A4.7 Estimated Total Population (10+ Years) by Main Activity, by Province and Sex: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total											
Total	471,477	22,947	66,356	23,620	22,941	2,860	100,867	115,495	35,603	17,109	63,680
Farming	199,067	11,235	28,219	12,962	11,774	1,003	48,879	57,196	18,429	7,449	1,920
Fishing	10,980	1,035	2,997	1,378	773	50	1,283	1,794	963	709	-
Livestock	7,504	232	485	64	206	6	3,806	920	459	878	449
Handicrafts	3,108	77	1,443	101	101	114	397	378	242	95	161
Forestry	2,239	178	315	312	76	3	572	324	271	18	170
None of the above	155,622	5,865	15,069	5,740	5,816	1,505	39,539	34,633	9,596	5,144	32,714
Others	82,227	4,244	17,613	3,064	3,939	134	6,038	10,835	5,318	2,778	28,265
Missing	10,730	81	215	-	257	46	353	9,414	324	39	-
Male											
Total	231,055	11,299	32,038	11,678	11,145	1,363	51,044	55,752	18,175	8,358	30,202
Farming	84,989	4,444	11,095	5,425	5,162	410	21,879	24,801	8,555	2,652	566
Fishing	8,186	943	2,284	905	677	40	893	1,149	768	527	-
Livestock	4,512	196	224	28	127	6	2,469	440	237	587	198
Handicrafts	1,378	39	571	35	62	10	258	183	96	30	95
Forestry	1,976	145	273	296	57	3	527	280	207	18	170
None of the above	85,782	3,429	8,811	3,341	3,084	818	21,337	18,469	5,446	2,995	18,052
Others	38,902	2,045	8,643	1,648	1,864	64	3,441	5,900	2,641	1,534	11,122
Missing	5,330	59	136	-	112	12	240	4,530	225	16	-
Female											
Total	240,422	11,648	34,318	11,942	11,796	1,497	49,822	59,742	17,427	8,751	33,478
Farming	114,078	6,792	17,124	7,537	6,611	592	27,000	32,395	9,874	4,797	1,355
Fishing	2,794	92	713	473	96	10	389	645	195	182	-
Livestock	2,993	36	261	35	80	-	1,336	480	222	291	251
Handicrafts	1,730	38	871	65	40	104	139	195	146	65	67
Forestry	263	33	42	16	18	-	46	45	64	-	-
None of the above	69,839	2,436	6,258	2,399	2,732	687	18,202	16,164	4,150	2,149	14,662
Others	43,325	2,199	8,970	1,416	2,075	70	2,596	4,935	2,677	1,244	17,143
Missing	5,400	22	79	-	144	34	113	4,885	99	23	-

Table A4.8 Estimated Total Population (10+ years) by Activity in the Holding, by Province and Sex: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total											
Total	471,477	22,947	66,356	23,620	22,941	2,860	100,867	115,495	35,603	17,109	63,680
Planting	161,789	8,673	24,707	10,631	8,118	814	37,236	45,444	14,278	4,673	7,216
Harvesting	52,938	3,767	4,570	2,584	2,919	213	13,889	16,585	5,654	2,194	563
Livestock rearing	7,782	189	403	41	70	6	3,280	1,455	500	956	882
Fish catching	7,934	1,155	1,600	829	645	58	770	1,478	799	601	-
Fish processing	763	-	163	-	-	-	187	-	46	368	-
Forestry	3,253	154	909	333	89	3	621	642	397	78	27
Handicraft	1,945	77	914	62	103	87	208	257	125	40	72
Transporting	1,925	74	453	43	80	6	250	534	233	148	104
Selling	5,314	463	1,280	200	685	37	831	955	199	366	300
None of the above	227,834	8,396	31,357	8,898	10,233	1,636	43,596	48,145	13,371	7,686	54,516
Male											
Total	231,055	11,299	32,038	11,678	11,145	1,363	51,044	55,752	18,175	8,358	30,202
Planting	76,898	4,118	10,568	5,277	3,867	363	18,048	22,787	8,112	1,966	1,792
Harvesting	14,703	741	1,365	485	791	31	4,824	4,719	1,013	457	276
Livestock rearing	5,150	166	221	28	26	6	2,334	1,048	266	613	440
Fish catching	6,828	1,124	1,224	506	645	58	770	1,268	727	506	-
Fish processing	370	-	102	-	-	-	61	-	-	207	-
Forestry	2,644	154	700	317	89	3	455	537	285	78	27
Handicraft	946	39	461	27	57	-	169	105	74	15	-
Transporting	1,925	74	453	43	80	6	250	534	233	148	104
Selling	1,996	243	446	119	377	6	273	385	46	42	58
None of the above	119,596	4,639	16,497	4,876	5,214	889	23,860	24,369	7,420	4,326	27,505
Female											
Total	240,422	11,648	34,318	11,942	11,796	1,497	49,822	59,742	17,427	8,751	33,478
Planting	84,892	4,555	14,140	5,354	4,251	451	19,187	22,657	6,166	2,707	5,424
Harvesting	38,235	3,026	3,204	2,099	2,128	182	9,065	11,866	4,642	1,737	286
Livestock rearing	2,632	22	182	12	44	-	945	407	235	343	442
Fish catching	1,105	31	376	323	-	-	-	209	72	95	-
Fish processing	393	-	60	-	-	-	126	-	46	162	-
Forestry	609	-	209	16	-	-	167	105	113	-	-
Handicraft	999	38	454	35	46	87	39	153	51	25	72
Transporting	-	-	-	-	-	-	-	-	-	-	-
Selling	3,318	220	834	81	308	30	557	570	152	323	241
None of the above	108,238	3,756	14,859	4,022	5,019	747	19,736	23,776	5,951	3,360	27,011

Detailed Statistical Tables for Chapter 5

Table A5.1 Area of Land Under Mixed Land Use, by Province: 2017

Land under mixed land use (in hectares)	
Total	
Total	35,256.77
Choiseul	5,819.60
Western	10,814.73
Isabel	43.09
Central	87.01
Rennell Bellona	36.67
Guadalcanal	2,862.26
Malaita	1,645.41
Makira	10,545.74
Temotu	3,182.51
Honiara	219.75
Male-headed household	
Total	30,962.50
Choiseul	4,757.27
Western	9,816.09
Isabel	27.65
Central	87.01
Rennell Bellona	31.05
Guadalcanal	2,587.25
Malaita	1,395.28
Makira	9,284.56
Temotu	2,775.26
Honiara	201.09
Female-headed household	
Total	4,294.27
Choiseul	1,062.33
Western	998.64
Isabel	15.44
Central	-
Rennell Bellona	5.62
Guadalcanal	275.02
Malaita	250.13
Makira	1,261.18
Temotu	407.24
Honiara	18.67

Table A5.2 Area of Household Agricultural Holdings (hectares), by Group of Parcels, by Province: 2017

	Hectares						
	Total	1 parcel only	2 – 3 parcels	4 -5 parcels	6 – 7 parcels	8 – 9 parcels	10+ parcels
Total							
Total (ha)	1,158,700.92	85,852.11	471,757.30	369,564.80	138,469.93	64,486.25	28,570.54
Choiseul	57,152.44	412.64	32,445.60	21,256.48	2,613.67	424.05	-
Western	103,168.76	2,191.50	65,976.63	26,912.84	6,726.78	1,361.01	-
Isabel	25,243.38	0.32	9,251.89	10,725.10	3,158.84	1,403.65	703.58
Central	37,728.15	1.27	15,045.70	7,242.19	15,271.73	164.02	3.24
Rennell Bellona	3,597.23	-	2,186.54	1,302.28	108.41	-	-
Guadalcanal	342,060.89	11,954.57	95,485.32	181,081.60	32,449.34	18,307.43	2,782.63
Malaita	237,044.96	31,444.02	164,413.59	35,699.94	4,308.34	1,179.06	-
Makira	232,414.19	1.12	30,023.06	67,552.92	68,709.99	41,203.53	24,923.57
Temotu	55,208.45	397.35	31,295.79	17,791.46	5,122.84	443.48	157.53
Honiara	65,082.48	39,449.31	25,633.16	-	-	-	-
Male-headed household							
Total (ha)	967,088.17	70,502.87	342,222.85	337,440.52	130,749.31	59,594.65	26,577.98
Choiseul	48,614.46	412.64	27,277.51	18,458.59	2,041.67	424.05	-
Western	91,956.16	2,104.23	58,730.41	23,343.37	6,417.14	1,361.01	-
Isabel	21,869.78	0.32	7,108.50	9,678.98	2,974.74	1,403.65	703.58
Central	34,530.61	1.18	12,157.98	6,941.24	15,265.89	161.08	3.24
Rennell Bellona	2,610.89	-	1,267.12	1,294.15	49.62	-	-
Guadalcanal	291,512.20	8,476.16	59,875.23	175,799.91	29,605.30	14,972.98	2,782.63
Malaita	168,439.58	25,568.89	103,449.03	34,422.47	3,820.12	1,179.06	-
Makira	205,433.58	1.12	26,169.18	51,230.95	65,452.00	39,649.32	22,931.01
Temotu	45,236.12	385.57	22,855.84	16,270.86	5,122.84	443.48	157.53
Honiara	56,884.80	33,552.76	23,332.04	-	-	-	-
Female-headed household							
Total (ha)	191,612.75	15,349.24	129,534.45	32,124.28	7,720.62	4,891.59	1,992.56
Choiseul	8,537.99	-	5,168.09	2,797.90	572.00	-	-
Western	11,212.60	87.27	7,246.21	3,569.47	309.65	-	-
Isabel	3,373.60	-	2,143.38	1,046.12	184.10	-	-
Central	3,197.54	0.09	2,887.72	300.95	5.84	2.94	-
Rennell Bellona	986.34	-	919.42	8.13	58.79	-	-
Guadalcanal	50,548.70	3,478.41	35,610.10	5,281.69	2,844.05	3,334.45	-
Malaita	68,605.38	5,875.13	60,964.56	1,277.47	488.21	-	-
Makira	26,980.60	-	3,853.88	16,321.97	3,257.99	1,554.21	1,992.56
Temotu	9,972.33	11.78	8,439.95	1,520.60	-	-	-
Honiara	8,197.68	5,896.55	2,301.12	-	-	-	-

Table A5.3 Area of Parcels (hectares) in Homestead Land, by Size of the Parcels, by Province: 2017

	Size of parcels (hectares)							
	Total	0 to 0.999 hectares	1 to 3.999 hectares	4.000 to 9.999 hectares	10.000 to 19.999 hectares	20.000 to 49.999 hectares	50.000 to 99.999 hectares	100+ hectares
Total								
Total	476,537	7,137	6,963	56,580	262,499	138,190	5,166	-
Choiseul	39,957	213	1,067	5,775	24,594	8,308	-	-
Western	33,531	1,315	396	4,273	18,725	8,823	-	-
Isabel	13,664	322	498	2,465	8,449	1,930	-	-
Central	18,920	287	188	2,205	11,351	4,890	-	-
Rennell Bellona	2,546	69	83	310	1,429	654	-	-
Guadalcanal	147,657	979	1,157	15,567	78,038	48,069	3,847	-
Malaita	84,335	2,939	1,766	12,022	51,948	15,659	-	-
Makira	45,661	397	302	3,060	20,193	21,709	-	-
Temotu	43,588	262	667	3,613	19,997	17,730	1,319	-
Honiara	46,678	353	840	7,290	27,777	10,418	-	-
Male-headed household								
Total	404,049	6,358	5,822	48,234	220,626	117,843	5,166	-
Choiseul	33,843	198	807	4,239	20,904	7,696	-	-
Western	29,880	1,119	342	4,004	17,114	7,300	-	-
Isabel	11,045	294	498	2,208	7,332	713	-	-
Central	18,478	261	188	2,205	10,935	4,890	-	-
Rennell Bellona	2,162	58	77	261	1,170	596	-	-
Guadalcanal	123,506	867	931	12,968	66,809	38,085	3,847	-
Malaita	74,708	2,680	1,552	11,256	44,360	14,860	-	-
Makira	36,874	352	271	2,203	15,749	18,298	-	-
Temotu	34,926	232	564	2,844	14,611	15,357	1,319	-
Honiara	38,626	297	593	6,048	21,640	10,049	-	-
Female-headed household								
Total	72,488	779	1,141	8,346	41,874	20,347	-	-
Choiseul	6,114	15	260	1,536	3,690	613	-	-
Western	3,651	196	54	269	1,610	1,523	-	-
Isabel	2,619	28	-	258	1,116	1,217	-	-
Central	441	26	-	-	415	-	-	-
Rennell Bellona	383	11	6	49	259	58	-	-
Guadalcanal	24,151	112	227	2,599	11,229	9,984	-	-
Malaita	9,627	259	214	766	7,588	800	-	-
Makira	8,787	45	31	858	4,443	3,410	-	-
Temotu	8,662	30	104	769	5,386	2,373	-	-
Honiara	8,052	56	247	1,242	6,138	369	-	-

Table A5.4 Area of Parcels (hectares) in Other Separate Agriculture Land, by Size of the Parcels, by Province: 2017

	Size of parcels (hectares)							
	Total	0 to 0.999	1 to 3.999	4.000 to 9.999	10.000 to 19.999	20.000 to 49.999	50.000 to 99.999	100+
Total								
Total (ha)	682,164	40,387	108,245	49,119	23,636	66,685	102,508	291,583
Choiseul	17,196	2,699	9,404	3,953	1,139	-	-	-
Western	69,638	4,252	32,264	13,097	10,362	4,059	1,727	3,877
Isabel	11,579	3,189	4,857	2,238	628	667	-	-
Central	18,808	2,316	972	265	-	-	-	15,255
Rennell Bellona	1,052	51	3	-	277	127	223	372
Guadalcanal	194,403	10,599	13,808	7,874	1,531	5,302	6,867	148,422
Malaita	152,710	9,800	15,766	13,649	3,353	4,068	4,301	101,773
Makira	186,753	4,551	24,229	7,004	4,859	52,461	87,222	6,427
Temotu	11,620	2,687	6,405	1,040	1,488	-	-	-
Honiara	18,405	242	536	-	-	-	2,168	15,458
Male-headed household								
Total (ha)	563,039	36,110	96,166	46,034	22,366	59,395	92,772	210,197
Choiseul	14,772	2,245	7,895	3,493	1,139	-	-	-
Western	62,076	3,839	28,583	12,318	9,909	1,824	1,727	3,877
Isabel	10,824	2,867	4,486	2,176	628	667	-	-
Central	16,052	2,160	916	265	-	-	-	12,711
Rennell Bellona	449	45	-	-	277	127	-	-
Guadalcanal	168,006	9,575	12,139	7,706	1,531	5,302	6,867	124,885
Malaita	93,731	8,907	14,566	12,831	3,353	2,933	4,301	46,840
Makira	168,560	3,976	21,439	6,427	4,041	48,541	77,709	6,427
Temotu	10,310	2,343	5,661	818	1,488	-	-	-
Honiara	18,259	153	480	-	-	-	2,168	15,458
Female-headed household								
Total (ha)	119,125	4,277	12,079	3,085	1,270	7,291	9,736	81,386
Choiseul	2,424	455	1,509	460	-	-	-	-
Western	7,561	413	3,681	779	453	2,235	-	-
Isabel	755	322	371	62	-	-	-	-
Central	2,756	156	56	-	-	-	-	2,544
Rennell Bellona	603	5	3	-	-	-	223	372
Guadalcanal	26,398	1,024	1,669	168	-	-	-	23,537
Malaita	58,979	893	1,201	817	-	1,135	-	54,933
Makira	18,193	575	2,790	577	817	3,920	9,513	-
Temotu	1,310	344	744	222	-	-	-	-
Honiara	146	90	56	-	-	-	-	-

Table A5.5 Number of Trees or Plants Growing in Homestead Land, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total	11,630,692	259,053	1,460,143	311,696	173,315	31,892	1,902,656	5,640,233	696,133	133,347	1,022,225
Aerial Yam	298	-	198	-	-	-	-	-	100	-	-
Alite	12,574	681	1,707	367	505	405	4,425	910	1,258	1,450	867
Antherium	7,820	-	200	-	-	-	1,053	1,496	406	-	4,665
Avocado	5,276	285	2,618	75	268	58	937	242	70	33	690
Banana	852,626	40,154	131,944	21,586	18,964	6,383	148,715	222,384	82,067	16,800	163,628
Betelnut	1,030,056	40,854	97,990	82,647	37,564	116	392,285	270,661	87,496	16,121	4,322
Black pepper	18,124	-	332	-	-	23	229	15,634	428	-	1,477
Boneo	290,312	7,266	16,959	4,909	94	-	103,728	62,627	36,974	9,883	47,872
Bread Fruit	30,721	1,810	6,903	2,271	742	873	4,054	3,949	4,929	3,991	1,198
Capsicum	8,476	-	1,587	1,182	-	-	3,363	-	1,680	665	-
Carabola (Star fruit)	54,181	2,626	9,001	5,049	2,278	68	12,218	8,873	3,482	753	9,834
Cardamom	-	-	-	-	-	-	-	-	-	-	-
Cassava	1,312,582	4,865	179,875	11,809	3,862	72	58,034	926,353	12,140	6,137	109,436
Chestnut	2,324	615	-	16	-	-	-	-	427	1,205	60
Chillies	18,566	150	2,270	611	645	21	8,568	3,329	2,578	254	139
Chinese Vegetable	105,768	339	10,747	2,073	3,024	-	12,708	66,152	-	1,087	9,638
Cocoa	339,664	2,718	4,561	619	278	6	62,353	201,165	67,801	34	129
Coconut	531,081	13,313	93,366	11,289	12,963	8,197	90,726	251,915	30,295	9,605	9,412
Coffee	57	-	-	-	-	-	57	-	-	-	-
Croton	151,563	487	30,874	-	188	9	56,283	29,973	24,042	3,879	5,829
Crown of thorns	116,992	135	3,053	-	984	-	34,998	4,801	8,239	839	63,943
Cucumber	21,392	-	1,584	412	-	40	310	18,806	163	-	77
Cut nut	330,763	26,523	77,403	25,383	21,647	2,177	69,639	54,314	32,830	11,772	9,074
Durian	-	-	-	-	-	-	-	-	-	-	-
Edu	98,415	963	4,088	-	789	-	-	92,343	59	-	172
Eggplant	84,683	691	7,037	3,156	1,910	23	18,855	34,819	10,116	795	7,281
Fern	1,002	-	-	-	-	11	867	124	-	-	-
Ginger	19,174	-	288	929	-	-	3,872	7,000	6,947	-	139
Ginger	10,773	-	104	123	-	-	3,035	7,253	179	36	44
Guava	147,825	9,155	29,492	9,124	3,516	299	37,780	36,934	10,791	526	10,206
Head Cabbage	3,164	-	1,298	-	303	-	-	1,402	-	-	162
Heliconia	130,682	-	1,591	893	646	-	11,226	25,492	9,948	863	80,022
Inkori (Uli)	26,023	613	3,251	1,359	1,678	358	7,401	6,073	1,889	117	3,285
Jackfruit	8,716	384	6,674	182	56	-	578	654	24	-	164
Kakake	106,383	323	6,485	148	-	-	432	97,534	1,434	-	26
Kang Kong	2,397	-	-	205	-	-	-	-	203	-	1,988
Kava	3,763	-	-	2,650	-	-	259	736	-	118	-
Kongkong	151,139	896	14,466	1,226	1,351	-	9,379	108,055	13,643	-	2,123
Kumara	1,506,603	4,807	218,793	16,883	4,246	129	35,524	1,195,598	12,525	9,170	8,930
Land Cress	5,447	-	-	-	-	-	5,447	-	-	-	-
Lemon	48,071	887	7,193	1,971	1,390	144	17,126	9,941	4,649	779	3,991
Lettuce	702	-	-	-	-	-	702	-	-	-	-
Malayan Apple	52,283	2,540	8,581	1,096	3,119	851	20,583	7,759	5,235	616	1,904
Mandarin	49,063	2,538	10,037	2,037	1,846	20	28,090	2,932	863	72	627
Mango	56,559	1,952	5,167	5,987	3,502	304	16,199	7,144	5,101	632	10,572
Mangosteen	822	-	733	-	-	-	33	-	-	-	56
Mushroom	10,360	-	-	-	-	-	-	-	10,360	-	-
Ngali Nut	21,166	1,375	5,297	1,561	498	-	4,463	6,907	895	29	141
Ofen'a	114,256	-	-	2,308	-	-	1,173	55,103	20,939	315	34,417
Oil Palm	1,980	-	155	15	-	8	272	1,083	-	9	437
Okra	244	-	-	-	-	-	-	-	-	-	244
Orange	45,842	1,635	6,211	5,846	1,155	53	16,718	6,458	3,678	2,922	1,165
Orchids	222,484	2,210	18,764	52	94	2,171	63,045	35,052	19,136	364	81,595
Pana	46,238	169	9,465	927	672	-	1,907	31,124	1,078	52	844
Passion Fruit	2,699	20	2,276	32	9	2	81	279	-	-	-
Pawpaw	256,316	14,199	53,289	8,732	5,116	5,384	67,615	56,662	17,506	5,979	21,833
Peanut	33,227	2,009	10,460	847	17	-	9,510	9,240	96	-	1,049

Pineapple	542,477	36,806	68,440	22,930	14,195	438	143,908	163,187	60,008	4,229	28,336
Pitpit	779	-	-	593	-	-	-	-	-	-	187
Pomelo	25,763	4,643	12,507	1,572	69	13	4,330	1,185	1,114	111	219
Pumpkin	21,062	59	3,586	237	241	10	2,469	8,410	3,058	23	2,968
Radish	-	-	-	-	-	-	-	-	-	-	-
Rambutan	25,195	1,139	7,464	1,221	13	-	6,545	7,913	283	-	617
Sand Paper (Amau)	2,080	-	-	-	-	-	431	1,429	127	-	93
Shallot	58,691	584	3,999	2,857	614	-	-	44,877	988	57	4,715
Slippery Cabbage	703,884	6,366	125,911	21,432	8,929	203	108,844	309,070	35,551	11,553	76,026
Soursop	43,004	2,969	11,996	1,928	699	152	12,753	4,764	3,299	193	4,250
Taro	662,169	2,937	30,694	3,913	1,327	292	33,486	488,774	6,802	1,677	92,268
Tomato	74,122	-	4,860	958	231	3	6,162	55,209	81	280	6,338
Turmeric	69	-	-	-	13	-	57	-	-	-	-
Turnip	615	91	264	-	-	-	-	-	68	192	-
Vanilla	14	-	-	-	-	-	-	-	14	-	-
Vine Tree	868	-	-	-	-	654	-	214	-	-	-
Water Cress	47,036	-	-	-	-	-	-	47,036	-	-	-
Yam	147,217	224	4,546	458	-	23	4,006	135,472	892	446	1,150
Other (specify)	765,928	13,046	81,510	15,011	11,064	1,898	132,808	385,407	29,149	6,685	89,350

Detailed Statistical Tables for Chapter 6

Table A6.1 Total Area (hectares) used for Existing Crops, by Crop and Area Range: 2017

Crop	Area (hectares)							
	Total	0 to 0.599	0.600 to 1.999	2.000 to 5.999	6.000 to 9.999	10.000 to 29.999	30.000 to 49.999	50+
Total (ha)	181,137.17	35,786.42	44,602.55	14,280.54	3,748.71	12,582.53	2,454.10	67,682.32
Aerial Yam	15.65	15.65	-	-	-	-	-	-
Alite	116.42	32.16	84.27	-	-	-	-	-
Antherium	-	-	-	-	-	-	-	-
Avocado	92.97	16.27	76.70	-	-	-	-	-
Banana	7,684.20	3,143.16	2,080.34	449.14	287.99	580.78	1,142.78	-
Betelnut	4,655.46	1,660.75	2,151.07	416.91	426.74	-	-	-
Black pepper	118.63	61.31	21.61	35.71	-	-	-	-
Boneo	79.76	55.31	24.45	-	-	-	-	-
Bread Fruit	1,371.83	323.90	608.86	116.79	-	322.29	-	-
Capsicum	251.54	169.00	82.55	-	-	-	-	-
Carabola (Star fruit)	2,773.36	17.05	147.08	-	-	-	-	2,609.22
Cardamom	-	-	-	-	-	-	-	-
Cassava	24,313.08	4,868.64	2,438.75	160.95	-	-	1,209.99	15,634.76
Chestnut	58.86	16.46	42.40	-	-	-	-	-
Chillies	65.77	65.77	-	-	-	-	-	-
Chinese Vegetable	296.61	139.83	156.78	-	-	-	-	-
Cocoa	18,987.57	896.73	6,787.95	1,500.03	-	-	-	9,802.86
Coconut	28,104.35	1,712.91	15,278.86	7,751.38	1,771.93	1,589.26	-	-
Coffee	-	-	-	-	-	-	-	-
Croton	1.07	1.07	-	-	-	-	-	-
Crown of thorns	4.09	4.09	-	-	-	-	-	-
Cucumber	1,101.73	137.27	116.85	35.71	-	811.91	-	-
Cut nut	7,767.60	264.83	319.20	215.32	-	1,458.74	-	5,509.52
Durian	-	-	-	-	-	-	-	-
Edu	576.07	382.63	193.43	-	-	-	-	-
Eggplant	5,165.54	265.22	224.87	73.35	-	-	-	4,602.10
Fern	12.49	12.49	-	-	-	-	-	-
Ginger	30.55	30.55	-	-	-	-	-	-
Ginger	34.09	18.56	15.53	-	-	-	-	-
Guava	711.62	63.76	215.17	-	-	432.69	-	-
Head Cabbage	176.84	131.15	45.69	-	-	-	-	-
Heliconia	-	-	-	-	-	-	-	-
Inkori (Uli)	537.35	38.58	176.49	-	-	322.29	-	-
Jackfruit	33.30	33.30	-	-	-	-	-	-
Kakake	1,562.62	646.07	661.03	255.52	-	-	-	-
Kang Kong	40.11	30.64	9.46	-	-	-	-	-
Kava	346.63	60.54	231.24	54.84	-	-	-	-
Kongkong	1,363.98	1,003.09	360.88	-	-	-	-	-
Kumara	26,809.09	6,961.86	2,846.93	550.30	-	697.65	-	15,752.35
Land Cress	1.28	1.28	-	-	-	-	-	-
Lemon	534.41	41.66	24.35	35.71	-	432.69	-	-
Lettuce	31.37	1.65	29.72	-	-	-	-	-
Malayan Apple	476.47	49.29	329.31	97.87	-	-	-	-
Mandarin	177.31	53.18	124.13	-	-	-	-	-
Mango	362.25	79.94	148.74	133.57	-	-	-	-
Mangosteen	-	-	-	-	-	-	-	-
Mushroom	73.35	-	-	73.35	-	-	-	-
Ngali Nut	366.62	96.69	215.09	54.84	-	-	-	-
Ofen'a	26.04	15.32	10.71	-	-	-	-	-
Oil Palm	369.47	-	-	120.87	-	248.60	-	-
Okra	0.14	0.14	-	-	-	-	-	-
Orange	199.56	29.95	133.90	35.71	-	-	-	-
Orchids	0.88	0.88	-	-	-	-	-	-

Table A6.1 Cont. Total Area (hectares) used for Existing Crops, by Crop and Area Range: 2017

Crop	Area (hectares)							
	Total	0 to 0.599	0.600 to 1.999	2.000 to 5.999	6.000 to 9.999	10.000 to 29.999	30.000 to 49.999	50+
Pana	3,157.50	2,219.44	837.36	100.70	-	-	-	-
Passion Fruit	4.10	4.10	-	-	-	-	-	-
Pawpaw	1,568.18	307.02	253.74	397.15	287.99	322.29	-	-
Peanut	639.43	314.93	239.77	84.73	-	-	-	-
Pineapple	1,317.72	404.61	321.32	-	316.03	275.75	-	-
Pitpit	42.75	42.75	-	-	-	-	-	-
Pomelo	10,467.87	38.97	44.59	-	370.05	-	-	10,014.26
Pumpkin	705.95	230.55	122.61	64.81	287.99	-	-	-
Radish	0.14	0.14	-	-	-	-	-	-
Rambutan	193.95	22.45	171.50	-	-	-	-	-
Sand Paper (Amau)	12.50	12.50	-	-	-	-	-	-
Shallot	457.20	373.69	83.51	-	-	-	-	-
Slippery Cabbage	7,069.74	1,717.11	713.24	190.93	-	691.19	-	3,757.26
Soursop	99.89	25.14	74.74	-	-	-	-	-
Taro	5,296.14	2,519.88	1,406.68	416.10	-	852.16	101.32	-
Tomato	1,291.85	267.52	216.45	-	-	807.88	-	-
Turmeric	1.44	1.44	-	-	-	-	-	-
Turnip	109.28	34.54	74.74	-	-	-	-	-
Vanilla	-	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-	-
Water Cress	5.41	5.41	-	-	-	-	-	-
Yam	3,137.71	2,097.45	969.75	70.50	-	-	-	-
Other (specify)	7,678.46	1,496.22	2,658.10	787.78	-	2,736.37	-	-

Table A6.2 Total Number of Trees or Plants in Existing Crops, by Crop and Area Range: 2017

Crop	Area (hectares)							
	Total	0 to 0.599	0.600 to 1.999	2.000 to 5.999	6.000 to 9.999	10.000 to 29.999	30.000 to 49.999	50+
Total	86,247,405	67,219,268	12,346,245	5,333,628	503,211	674,597	104,083	66,372
Aerial Yam	9,794	9,794	-	-	-	-	-	-
Alite	3,047	2,734	314	-	-	-	-	-
Antherium	370	370	-	-	-	-	-	-
Avocado	8,628	8,381	179	68	-	-	-	-
Banana	3,478,965	3,158,284	304,696	15,012	172	388	413	-
Betelnut	4,223,508	2,475,745	1,209,096	349,613	182,888	6,166	-	-
Black pepper	85,144	84,169	618	357	-	-	-	-
Boneo	108,232	106,588	1,222	-	-	-	422	-
Bread Fruit	73,995	53,360	17,300	3,303	-	32	-	-
Capsicum	198,583	193,280	4,881	-	-	-	422	-
Carabola (Star fruit)	15,263	14,386	672	-	-	37	-	167
Cardamom	-	-	-	-	-	-	-	-
Cassava	11,144,081	10,332,811	633,817	146,901	-	2,856	10,073	17,623
Chestnut	1,430	1,327	103	-	-	-	-	-
Chillies	101,377	101,377	-	-	-	-	-	-
Chinese Vegetable	551,633	474,786	75,792	-	-	-	1,055	-
Cocoa	6,690,129	2,364,596	3,131,935	1,138,015	-	54,929	-	654
Coconut	9,904,374	2,441,768	3,620,226	2,999,330	318,801	442,000	82,249	-
Coffee	-	-	-	-	-	-	-	-
Croton	1,092	1,092	-	-	-	-	-	-
Crown of thorns	9,199	9,199	-	-	-	-	-	-
Cucumber	128,325	114,922	6,689	428	-	6,285	-	-
Cut nut	114,078	107,366	3,735	1,357	-	1,161	-	461
Durian	-	-	-	-	-	-	-	-

Table A6.2 Cont. Total Number of Trees or Plants in Existing Crops, by Crop and Area Range: 2017

Crop	Area (hectares)							
	Total	0 to 0.599	0.600 to 1.999	2.000 to 5.999	6.000 to 9.999	10.000 to 29.999	30.000 to 49.999	50+
Edu	744,645	669,200	75,445	-	-	-	-	-
Eggplant	374,527	359,067	9,970	978	-	-	-	4,512
Fern	30,269	30,269	-	-	-	-	-	-
Ginger	42,217	42,217	-	-	-	-	-	-
Ginger	37,519	36,432	1,087	-	-	-	-	-
Guava	35,545	32,979	2,326	-	-	240	-	-
Head Cabbage	57,512	54,832	2,680	-	-	-	-	-
Heliconia	12,298	12,298	-	-	-	-	-	-
Inkori (Uli)	9,820	9,161	523	72	-	64	-	-
Jackfruit	2,865	2,865	-	-	-	-	-	-
Kakake	1,359,948	1,150,152	139,042	70,754	-	-	-	-
Kang Kong	39,087	38,456	631	-	-	-	-	-
Kava	186,360	90,316	95,915	128	-	-	-	-
Kongkong	1,772,609	1,705,046	67,564	-	-	-	-	-
Kumara	18,199,431	17,057,866	1,016,350	68,981	-	6,136	9,158	40,939
Land Cress	2,884	2,884	-	-	-	-	-	-
Lemon	33,646	33,274	269	71	-	32	-	-
Lettuce	64,844	63,800	1,044	-	-	-	-	-
Malayan Apple	22,703	21,465	1,164	75	-	-	-	-
Mandarin	29,912	28,816	1,095	-	-	-	-	-
Mango	19,354	18,720	479	155	-	-	-	-
Mangosteen	56	56	-	-	-	-	-	-
Mushroom	24,449	-	-	24,449	-	-	-	-
Ngali Nut	38,074	36,230	1,406	437	-	-	-	-
Ofen'a	79,955	79,812	143	-	-	-	-	-
Oil Palm	51,129	200	-	12,087	-	38,841	-	-
Okra	585	585	-	-	-	-	-	-
Orange	20,249	12,001	8,105	143	-	-	-	-
Orchids	2,343	2,343	-	-	-	-	-	-
Pana	5,542,321	5,262,316	275,731	4,274	-	-	-	-
Passion Fruit	2,479	2,479	-	-	-	-	-	-
Pawpaw	216,969	212,415	2,678	1,355	457	64	-	-
Peanut	1,015,182	905,699	93,090	16,394	-	-	-	-
Pineapple	940,147	864,572	67,844	6,938	775	18	-	-
Pitpit	11,906	11,906	-	-	-	-	-	-
Pomelo	4,815	4,547	81	-	83	-	-	103
Pumpkin	131,478	130,241	1,032	65	34	-	105	-
Radish	1,263	1,263	-	-	-	-	-	-
Rambutan	7,461	6,125	1,336	-	-	-	-	-
Sand Paper (Amau)	5,755	5,755	-	-	-	-	-	-
Shallot	543,023	537,642	3,479	1,903	-	-	-	-
Slippery Cabbage	3,207,753	3,025,826	165,156	13,833	-	1,024	-	1,914
Soursop	12,341	12,092	205	43	-	-	-	-
Taro	6,595,379	6,079,661	439,682	72,423	-	3,427	186	-
Tomato	398,898	382,008	8,831	-	-	8,058	-	-
Turmeric	2,913	2,913	-	-	-	-	-	-
Turnip	13,521	11,789	1,731	-	-	-	-	-
Vanilla	-	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-	-
Water Cress	21,225	21,225	-	-	-	-	-	-
Yam	4,587,904	4,371,784	208,399	7,722	-	-	-	-
Other (specify)	2,838,595	1,719,334	640,458	375,965	-	102,838	-	-

Table A6.3 Total Area (hectares) in Existing Crops Method and Type of Planting, by Crop: 2017

Crop	Total	Method of planting			Type of planting		
		Compact	Line	Scatter	Single crop	Mixed crop	Scattered pattern
Aerial Yam	15.65	0	5	10	1	4	10
Alite	116.42	18	21	77	24	64	28
Antherium	-	-	-	-	-	-	-
Avocado	92.97	17	18	58	7	36	50
Banana	7,684.20	795	1,555	5,334	1,530	3,446	2,708
Betelnut	4,655.46	1,136	2,120	1,400	2,536	1,130	990
Black pepper	118.63	6	32	81	5	69	45
Boneo	79.76	1	50	29	26	53	1
Bread Fruit	1,371.83	200	308	864	561	651	160
Capsicum	251.54	12	118	122	60	158	34
Carabola (Star fruit)	2,773.36	1	1	2,772	2,613	130	31
Cardamom	-	-	-	-	-	-	-
Cassava	24,313.08	8,672	12,924	2,717	9,438	13,678	1,197
Chestnut	58.86	-	19	39	32	2	24
Chillies	65.77	5	12	48	35	20	11
Chinese Vegetable	296.61	34	227	35	254	27	16
Cocoa	18,987.57	1,487	16,805	696	14,597	3,996	394
Coconut	28,104.35	4,378	18,260	5,466	17,097	8,098	2,909
Coffee	-	-	-	-	-	-	-
Croton	1.07	1	1	-	1	0	-
Crown of thorns	4.09	4	-	-	4	-	-
Cucumber	1,101.73	50	74	978	42	137	922
Cut nut	7,767.60	99	188	7,481	6,037	305	1,425
Durian	-	-	-	-	-	-	-
Edu	576.07	93	75	408	157	338	81
Eggplant	5,165.54	21	4,853	292	142	4,908	116
Fern	12.49	8	-	4	9	4	-
Ginger	30.55	5	0	25	15	15	1
Ginger	34.09	3	4	27	4	13	17
Guava	711.62	1	46	665	178	15	519
Head Cabbage	176.84	73	17	87	119	57	1
Heliconia	-	-	-	-	-	-	-
Inkori (Uli)	537.35	28	70	439	341	104	92
Jackfruit	33.30	2	0	31	6	20	7
Kakake	1,562.62	259	41	1,263	733	72	757
Kang Kong	40.11	1	12	28	12	6	23
Kava	346.63	83	54	209	211	2	134
Kongkong	1,363.98	282	345	736	383	632	349
Kumara	26,809.09	10,429	12,712	3,669	21,535	3,914	1,361
Land Cress	1.28	1	-	-	1	-	-
Lemon	534.41	1	6	528	439	32	64
Lettuce	31.37	30	1	-	31	-	-
Malayan Apple	476.47	41	215	220	128	155	193
Mandarin	177.31	0	51	126	24	54	99
Mango	362.25	23	130	210	44	154	165
Mangosteen	-	-	-	-	-	-	-
Mushroom	73.35	-	-	73	-	-	73
Ngali Nut	366.62	96	50	221	83	150	134
Ofen'a	26.04	6	4	16	5	6	16
Oil Palm	369.47	121	249	-	249	-	121
Okra	0.14	-	0	-	-	0	-
Orange	199.56	1	43	155	46	9	145
Orchids	0.88	0	-	0	-	1	-
Pana	3,157.50	1,000	723	1,433	1,497	980	679
Passion Fruit	4.10	-	1	3	1	2	1
Pawpaw	1,568.18	14	76	1,478	420	485	663
Peanut	639.43	218	174	248	323	226	91
Pineapple	1,317.72	437	678	203	429	508	381
Pitpit	42.75	0	1	42	0	42	1
Pomelo	10,467.87	0	0	10,467	408	0	10,060
Pumpkin	705.95	9	67	630	79	461	166
Radish	0.14	0	-	-	-	0	-
Rambutan	193.95	1	1	192	64	65	65

Table A6.3 Cont. Total Area (hectares) in Existing Crops Method and Type of Planting, by Crop: 2017

Crop	Total	Method of planting			Type of planting		
		Compact	Line	Scatter	Single crop	Mixed crop	Scattered pattern
Sand Paper (Amau)	12.50	3	-	9	3	9	-
Shallot	457.20	72	151	234	178	171	108
Slippery Cabbage	7,069.74	302	992	5,776	498	5,568	1,004
Soursop	99.89	7	20	72	2	55	43
Taro	5,296.14	1,596	1,258	2,442	2,614	1,772	911
Tomato	1,291.85	66	948	278	94	1,040	158
Turmeric	1.44	1	-	-	1	-	-
Turnip	109.28	96	4	9	85	21	4
Vanilla	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-
Water Cress	5.41	0	-	5	0	3	3
Yam	3,137.71	872	774	1,492	1,393	1,121	624
Other (specify)	7,678.46	805	5,396	1,477	5,050	1,290	1,337

Table A6.4 Total Number of Plants or Trees in Existing Crops by Method, Type of Planting and Number of Plants: 2017

Crop	Method of planting				Type of planting				Number of plants
	Total	Compact	Line	Scatter	Total	Single crop	Mixed crop	Scattered pattern	Number of plants
Total	86,247,405	26,759,943	32,798,431	26,671,769	86,247,405	48,618,552	24,910,010	12,700,986	86,247,405
Aerial Yam	9,794	4,933	1,155	3,706	9,794	5,490	3,038	1,266	9,794
Alite	3,047	228	376	2,443	3,047	357	864	1,826	3,047
Antherium	370	-	257	113	370	-	257	113	370
Avocado	8,628	2,191	441	5,996	8,628	792	1,269	6,568	8,628
Banana	3,478,965	333,997	1,089,584	2,055,385	3,478,965	1,042,411	1,303,621	1,132,933	3,478,965
Betelnut	4,223,508	1,009,595	1,924,476	1,288,556	4,223,508	2,581,073	764,263	877,291	4,223,508
Black pepper	85,144	24,488	19,663	40,992	85,144	32,919	14,383	37,842	85,144
Boneo	108,232	9,793	37,764	60,676	108,232	41,143	23,821	43,268	108,232
Bread Fruit	73,995	9,912	20,804	43,279	73,995	14,608	41,188	18,199	73,995
Capsicum	198,583	24,907	79,660	94,016	198,583	94,476	82,902	21,205	198,583
Carabola (Star fruit)	15,263	406	1,206	13,650	15,263	3,163	4,077	8,022	15,263
Cardamom	-	-	-	-	-	-	-	-	-
Cassava	11,144,081	4,219,098	3,509,310	3,415,674	11,144,081	6,532,257	3,205,169	1,406,655	11,144,081
Chestnut	1,430	-	559	871	1,430	313	510	607	1,430
Chillies	101,377	24,763	61,568	15,045	101,377	80,597	11,414	9,366	101,377
Chinese Vegetable	551,633	110,230	380,311	61,092	551,633	412,442	91,002	48,189	551,633
Cocoa	6,690,129	1,367,940	4,752,355	569,834	6,690,129	3,827,677	2,449,529	412,922	6,690,129
Coconut	9,904,374	1,524,164	6,968,048	1,412,161	9,904,374	6,667,423	2,646,241	590,710	9,904,374
Coffee	-	-	-	-	-	-	-	-	-
Croton	1,092	566	527	-	1,092	884	208	-	1,092
Crown of thorns	9,199	429	5,595	3,175	9,199	4,217	3,902	1,080	9,199
Cucumber	128,325	16,846	37,352	74,127	128,325	34,609	50,981	42,735	128,325
Cut nut	114,078	7,031	13,795	93,252	114,078	17,040	42,086	54,952	114,078
Durian	-	-	-	-	-	-	-	-	-
Edu	744,645	177,116	168,163	399,367	744,645	291,845	206,166	246,633	744,645
Eggplant	374,527	51,379	106,755	216,393	374,527	108,655	152,927	112,945	374,527
Fern	30,269	2,833	-	27,436	30,269	9,034	4,536	16,699	30,269
Ginger	42,217	7,861	3,126	31,229	42,217	13,539	10,044	18,633	42,217
Ginger	37,519	9,619	13,409	14,491	37,519	10,635	16,610	10,274	37,519
Guava	35,545	2,513	4,803	28,140	35,545	7,268	11,105	17,084	35,545
Head Cabbage	57,512	12,798	27,710	17,004	57,512	41,453	12,028	4,031	57,512
Heliconia	12,298	-	1,493	10,804	12,298	10,618	1,680	-	12,298
Inkori (Uli)	9,820	1,104	2,147	6,569	9,820	2,642	4,988	2,190	9,820
Jackfruit	2,865	139	226	2,501	2,865	541	1,817	506	2,865

Table A6.4 Cont. Total Number of Plants or Trees in Existing Crops by Method, Type of Planting and Number of Plants: 2017

Crop	Method of planting				Type of planting				Number of plants
	Total	Compact	Line	Scatter	Total	Single crop	Mixed crop	Scattered pattern	Number of plants
Kakake	1,359,948	248,765	94,379	1,016,803	1,359,948	843,741	88,560	427,646	1,359,948
Kang Kong	39,087	9,548	15,195	14,344	39,087	21,587	4,801	12,699	39,087
Kava	186,360	31,188	35,577	119,594	186,360	171,806	4,351	10,202	186,360
Kongkong	1,772,609	412,775	514,712	845,122	1,772,609	762,605	507,537	502,467	1,772,609
Kumara	18,199,431	9,068,136	3,523,675	5,607,326	18,199,431	10,399,663	5,514,657	2,284,816	18,199,431
Land Cress	2,884	766	-	2,118	2,884	766	-	2,118	2,884
Lemon	33,646	329	23,482	9,835	33,646	24,181	4,842	4,623	33,646
Lettuce	64,844	13,488	19,631	31,724	64,844	32,577	22,798	9,468	64,844
Malayan Apple	22,703	9,603	2,547	10,553	22,703	11,814	5,586	5,303	22,703
Mandarin	29,912	825	21,130	7,957	29,912	21,281	4,379	4,252	29,912
Mango	19,354	609	2,345	16,400	19,354	4,507	6,765	8,082	19,354
Mangosteen	56	-	-	56	56	-	56	-	56
Mushroom	24,449	-	-	24,449	24,449	-	-	24,449	24,449
Ngali Nut	38,074	1,504	13,202	23,368	38,074	11,288	15,236	11,550	38,074
Ofen'a	79,955	1,743	32,509	45,702	79,955	28,320	20,814	30,820	79,955
Oil Palm	51,129	12,087	38,997	45	51,129	38,867	-	12,261	51,129
Okra	585	-	341	244	585	244	341	-	585
Orange	20,249	4,015	8,099	8,106	20,249	11,991	3,523	4,706	20,249
Orchids	2,343	802	775	766	2,343	1,277	768	298	2,343
Pana	5,542,321	2,268,402	1,886,127	1,381,230	5,542,321	3,360,293	1,558,352	616,520	5,542,321
Passion Fruit	2,479	-	603	1,876	2,479	128	999	1,353	2,479
Pawpaw	216,969	13,752	49,783	153,287	216,969	45,348	90,318	81,155	216,969
Peanut	1,015,182	420,222	397,583	197,376	1,015,182	697,506	221,602	96,075	1,015,182
Pineapple	940,147	153,813	460,314	322,291	940,147	574,884	172,872	188,663	940,147
Pitpit	11,906	432	959	10,516	11,906	1,145	9,838	923	11,906
Pomelo	4,815	293	604	3,889	4,815	1,513	607	2,666	4,815
Pumpkin	131,478	6,023	44,904	80,552	131,478	37,977	61,114	32,387	131,478
Radish	1,263	1,263	-	-	1,263	-	1,263	-	1,263
Rambutan	7,461	337	1,615	5,509	7,461	1,919	2,498	3,044	7,461
Sand Paper (Amau)	5,755	3,070	144	2,541	5,755	3,667	1,199	888	5,755
Shallot	543,023	113,829	204,867	224,327	543,023	263,902	179,144	99,977	543,023
Slippery Cabbage	3,207,753	515,055	950,892	1,741,806	3,207,753	1,157,098	1,198,600	852,055	3,207,753
Soursop	12,341	504	755	11,081	12,341	772	4,262	7,306	12,341
Taro	6,595,379	2,377,427	1,677,421	2,540,530	6,595,379	3,471,721	1,840,410	1,283,247	6,595,379
Tomato	398,898	104,090	119,340	175,468	398,898	143,863	169,335	85,700	398,898
Turmeric	2,913	2,913	-	-	2,913	2,913	-	-	2,913
Turnip	13,521	4,579	2,312	6,630	13,521	9,861	2,016	1,644	13,521
Vanilla	-	-	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-	-	-
Water Cress	21,225	11,211	-	10,013	21,225	10,531	2,236	8,457	21,225
Yam	4,587,904	1,567,121	1,814,144	1,206,639	4,587,904	2,748,460	1,480,102	359,342	4,587,904
Other (specify)	2,838,595	422,544	1,606,827	803,721	2,838,595	1,808,413	545,599	479,080	2,838,595

Table A6.5 Total Area (hectares) Harvested, by Crop: 2017

Crop	Area (hectares)							
	Total	0 to 0.999	1 to 3.999	4.000 to 9.999	10.000 to 19.999	20.000 to 49.999	50.000 to 99.999	100+
Total	217,875.84	35,582.58	41,595.90	11,748.90	7,650.00	9,043.48	28,775.91	83,479.07
Aerial Yam	3.40	3.40	-	-	-	-	-	-
Alite	0.25	0.25	-	-	-	-	-	-
Antherium	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-
Banana	12,772.79	3,072.27	1,654.45	488.91	596.15	1,142.78	2,723.47	3,094.76
Betelnut	6,874.71	2,512.45	2,013.26	67.26	-	2,281.74	-	-
Black pepper	46.53	46.53	-	-	-	-	-	-
Boneo	7.52	7.52	-	-	-	-	-	-
Bread Fruit	802.74	333.79	425.93	43.02	-	-	-	-
Capsicum	155.45	118.77	36.67	-	-	-	-	-
Carabola (Star fruit)	2.36	2.36	-	-	-	-	-	-
Cardamom	-	-	-	-	-	-	-	-
Cassava	15,083.41	5,022.10	1,457.56	-	-	357.06	8,246.69	-
Chestnut	-	-	-	-	-	-	-	-
Chillies	32.78	32.78	-	-	-	-	-	-
Chinese Vegetable	1,341.13	199.79	97.80	-	-	1,043.55	-	-
Cocoa	13,108.58	2,083.07	8,149.36	2,344.15	532.00	-	-	-
Coconut	35,985.36	3,704.13	21,270.79	5,847.83	2,898.38	704.99	-	1,559.23
Coffee	9.69	9.69	-	-	-	-	-	-
Croton	-	-	-	-	-	-	-	-
Crown of thorns	-	-	-	-	-	-	-	-
Cucumber	128.24	112.81	15.44	-	-	-	-	-
Cut nut	1,210.77	74.32	-	-	1,136.45	-	-	-
Durian	-	-	-	-	-	-	-	-
Edu	172.77	172.77	-	-	-	-	-	-
Eggplant	195.23	106.57	88.66	-	-	-	-	-
Fern	84.27	10.93	73.35	-	-	-	-	-
Ginger	1.20	1.20	-	-	-	-	-	-
Ginger	12.18	12.18	-	-	-	-	-	-
Guava	60.48	1.75	58.73	-	-	-	-	-
Head Cabbage	6.51	6.51	-	-	-	-	-	-
Heliconia	0.81	0.81	-	-	-	-	-	-
Inkori (Uli)	85.85	1.34	84.51	-	-	-	-	-
Jackfruit	0.02	0.02	-	-	-	-	-	-
Kakake	1,011.12	476.20	534.93	-	-	-	-	-
Kang Kong	39.83	39.83	-	-	-	-	-	-
Kava	171.94	27.21	144.72	-	-	-	-	-
Kongkong	414.83	414.83	-	-	-	-	-	-
Kumara	37,735.33	7,684.64	2,080.77	666.67	32.51	-	2,723.47	24,547.27
Land Cress	-	-	-	-	-	-	-	-
Lemon	21.41	4.88	16.53	-	-	-	-	-
Lettuce	1.71	1.71	-	-	-	-	-	-
Malayan Apple	31.25	1.89	29.36	-	-	-	-	-
Mandarin	57.38	57.38	-	-	-	-	-	-
Mango	21.79	9.41	12.39	-	-	-	-	-
Mangosteen	-	-	-	-	-	-	-	-
Mushroom	-	-	-	-	-	-	-	-
Ngali Nut	10,173.21	6.99	151.96	-	-	-	-	10,014.26
Ofen'a	2.61	2.61	-	-	-	-	-	-
Oil Palm	299.41	-	-	299.41	-	-	-	-
Okra	-	-	-	-	-	-	-	-
Orange	79.06	24.22	54.84	-	-	-	-	-
Orchids	0.72	0.72	-	-	-	-	-	-
Pana	2,704.07	2,107.58	496.03	100.46	-	-	-	-
Passion Fruit	0.99	0.99	-	-	-	-	-	-
Pawpaw	3,470.75	101.61	94.25	927.83	327.19	-	2,019.87	-
Peanut	501.14	282.21	218.94	-	-	-	-	-
Pineapple	11,783.72	202.31	162.60	290.87	275.75	-	-	10,852.19
Pitpit	7.90	7.90	-	-	-	-	-	-

Table A6.5 Cont. Total Area (hectares) Harvested, by Crop: 2017

Crop	Area (hectares)							
	Total	0 to 0.999	1 to 3.999	4.000 to 9.999	10.000 to 19.999	20.000 to 49.999	50.000 to 99.999	100+
Pomelo	47.22	11.15	36.08	-	-	-	-	-
Pumpkin	3,706.15	214.69	140.06	287.99	-	1,043.55	2,019.87	-
Radish	10.80	10.80	-	-	-	-	-	-
Rambutan	298.58	4.94	-	-	293.64	-	-	-
Sand Paper (Amau)	2.61	2.61	-	-	-	-	-	-
Shallot	199.26	183.73	15.53	-	-	-	-	-
Slippery Cabbage	37,616.70	1,679.38	327.73	-	432.69	1,765.52	-	33,411.37
Soursop	0.29	0.29	-	-	-	-	-	-
Taro	7,910.53	1,813.54	696.62	100.46	637.67	-	4,662.24	-
Tomato	384.51	184.13	82.92	117.45	-	-	-	-
Turmeric	0.16	0.16	-	-	-	-	-	-
Turnip	34.40	16.12	18.28	-	-	-	-	-
Vanilla	-	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-	-
Water Cress	18.81	18.81	-	-	-	-	-	-
Yam	3,256.42	1,870.93	580.75	100.46	-	704.28	-	-
Other (specify)	7,674.18	466.09	274.10	66.13	487.57	-	6,380.30	-

Table A6.6 Total Number of Trees or Plants Harvested by Area, by Crop and Area Range: 2017

Crop	Area (hectares)							
	Total	0 to 0.999	1 to 3.999	4.000 to 9.999	10.000 to 19.999	20.000 to 49.999	50.000 to 99.999	100+
Total	45,063,758	28,923,375	12,595,166	2,865,499	449,334	197,980	6,491	25,912
Aerial Yam	6,126	6,126	-	-	-	-	-	-
Alite	388	388	-	-	-	-	-	-
Antherium	-	-	-	-	-	-	-	-
Avocado	1,030	1,030	-	-	-	-	-	-
Banana	1,643,978	1,446,601	195,467	574	524	413	319	79
Betelnut	3,192,664	2,157,084	1,020,485	12,812	-	2,282	-	-
Black pepper	8,091	8,091	-	-	-	-	-	-
Boneo	20,707	20,707	-	-	-	-	-	-
Bread Fruit	45,057	30,834	13,900	323	-	-	-	-
Capsicum	66,650	64,205	2,445	-	-	-	-	-
Carabola (Star fruit)	2,977	2,977	-	-	-	-	-	-
Cardamom	-	-	-	-	-	-	-	-
Cassava	4,974,754	4,636,011	334,291	-	-	2,856	1,595	-
Chestnut	53	53	-	-	-	-	-	-
Chillies	18,919	18,919	-	-	-	-	-	-
Chinese Vegetable	334,073	161,765	75,792	-	-	96,515	-	-
Cocoa	8,207,273	2,571,424	4,131,703	1,421,016	83,129	-	-	-
Coconut	9,824,845	2,317,052	5,737,486	1,320,690	351,758	93,999	-	3,859
Coffee	2,521	2,521	-	-	-	-	-	-
Croton	-	-	-	-	-	-	-	-
Crown of thorns	-	-	-	-	-	-	-	-
Cucumber	60,670	59,898	772	-	-	-	-	-
Cut nut	31,617	30,584	-	-	1,033	-	-	-
Durian	-	-	-	-	-	-	-	-
Edu	95,222	95,222	-	-	-	-	-	-
Eggplant	77,923	74,804	3,119	-	-	-	-	-
Fern	25,149	700	24,449	-	-	-	-	-
Ginger	4,248	4,248	-	-	-	-	-	-
Ginger	28,542	28,542	-	-	-	-	-	-
Guava	6,872	5,815	1,057	-	-	-	-	-
Head Cabbage	8,838	8,838	-	-	-	-	-	-
Heliconia	-	-	-	-	-	-	-	-
Inkori (Uli)	1,010	907	103	-	-	-	-	-
Jackfruit	678	678	-	-	-	-	-	-
Kakake	450,457	400,664	49,793	-	-	-	-	-

Table A6.6 (cont.) Total Number of Trees or Plants Harvested by Area, by Crop and Area Range: 2017

Crop	Area (hectares)							
	Total	0 to 0.999	1 to 3.999	4.000 to 9.999	10.000 to 19.999	20.000 to 49.999	50.000 to 99.999	100+
Kang Kong	14,993	14,993	-	-	-	-	-	-
Kava	65,181	27,213	37,968	-	-	-	-	-
Kongkong	304,595	304,595	-	-	-	-	-	-
Kumara	7,573,145	7,035,299	514,059	9,493	209	-	3,191	10,894
Land Cress	-	-	-	-	-	-	-	-
Lemon	4,967	1,661	3,306	-	-	-	-	-
Lettuce	23,881	23,881	-	-	-	-	-	-
Malayan Apple	2,522	2,434	88	-	-	-	-	-
Mandarin	22,161	22,161	-	-	-	-	-	-
Mango	12,260	12,167	93	-	-	-	-	-
Mangosteen	38	38	-	-	-	-	-	-
Mushroom	-	-	-	-	-	-	-	-
Ngali Nut	7,928	6,727	1,098	-	-	-	-	103
Ofen'a	2,668	2,668	-	-	-	-	-	-
Oil Palm	43,706	-	-	43,706	-	-	-	-
Okra	-	-	-	-	-	-	-	-
Orange	2,484	656	1,828	-	-	-	-	-
Orchids	-	-	-	-	-	-	-	-
Pana	1,711,810	1,649,798	60,003	2,009	-	-	-	-
Passion Fruit	278	278	-	-	-	-	-	-
Pawpaw	47,211	45,356	1,071	525	131	-	128	-
Peanut	550,794	468,832	81,961	-	-	-	-	-
Pineapple	223,393	200,337	17,013	262	3,574	-	-	2,208
Pitpit	1,235	1,235	-	-	-	-	-	-
Pomelo	1,400	1,150	250	-	-	-	-	-
Pumpkin	61,571	60,728	207	34	-	569	32	-
Radish	216	216	-	-	-	-	-	-
Rambutan	3,383	3,324	-	-	59	-	-	-
Sand Paper (Amau)	3,770	3,770	-	-	-	-	-	-
Shallot	141,260	141,260	-	-	-	-	-	-
Slippery Cabbage	1,282,835	1,217,329	55,779	-	319	641	-	8,768
Soursop	4,693	4,693	-	-	-	-	-	-
Taro	1,635,188	1,509,469	122,453	2,009	540	-	716	-
Tomato	127,655	123,273	3,942	440	-	-	-	-
Turmeric	1,602	1,602	-	-	-	-	-	-
Turnip	4,203	3,655	548	-	-	-	-	-
Vanilla	-	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-	-
Water Cress	34,079	34,079	-	-	-	-	-	-
Yam	1,487,665	1,429,382	55,569	2,009	-	704	-	-
Other (specify)	517,657	412,428	47,066	49,594	8,058	-	511	-

Table A6.7 Number of Agricultural Households Harvesting Crops by Purpose and Expected Attainable Yield: 2017

Crop code	Main purpose of production		Expected attainable yield
	Mainly for home consumption	Mainly for sale	Value of sale (\$SBD)
Aerial Yam	38	31	2,924
Alite	105	19	48,407
Antherium	-	-	-
Avocado	117	42	150,436
Banana	29,074	6,822	26,195,338
Betelnut	3,904	12,240	101,204,980
Black pepper	224	303	224,827
Boneo	828	34	62,369
Bread Fruit	2,115	314	2,498,191
Capsicum	720	725	820,438
Carabola (Star fruit)	1,666	120	279,684
Cardamom	-	-	-
Cassava	45,169	12,748	46,673,614
Chessnut	32	-	1,047
Chillies	206	194	383,504
Chinese Vegetable	478	2,527	4,135,461
Cocoa	360	16,691	96,698,241
Coconut	10,913	22,766	194,153,787
Coffee	-	39	46,534
Croton	-	-	-
Crown of thorns	-	-	-
Cucumber	400	1,326	3,225,759
Cut nut	4,517	304	1,176,911
Durian	-	-	-
Edu	1,306	886	1,917,307
Eggplant	2,919	1,457	826,607
Fern	55	40	124,994
Ginger	102	64	127,822
Ginger	132	97	78,965
Guava	2,116	227	544,474
Head Cabbage	147	200	37,605
Heliconia	59	75	22,440
Inkori (Uli)	833	133	238,090
Jackfruit	138	63	120,751
Kakake	3,052	382	888,621
Kang Kong	203	41	177,570
Kava	-	198	1,022,847
Kongkong	6,067	1,310	3,316,771
Kumara	51,843	16,455	55,320,602
Land Cress	-	-	-
Lemon	1,177	279	473,478
Lettuce	133	231	33,137
Malayan Apple	956	214	757,222
Mandarin	502	355	1,704,728
Mango	2,001	135	1,916,478
Mangosteen	19	-	7,531
Mushroom	-	-	-
Ngali Nut	565	44	284,112
Ofen'a	755	-	107,181
Oil Palm	-	75	120,874
Okra	-	-	-
Orange	335	97	78,290
Orchids	34	-	-

Table A6.7 (cont.) Number of Agricultural Households Harvesting Crops by Purpose and Expected Attainable Yield: 2017

Crop code	Main purpose of production		Expected attainable yield
	Mainly for home consumption	Mainly for sale	Value of sale (\$SBD)
Pana	16,185	4,299	10,018,768
Passion Fruit	-	40	3,965
Pawpaw	5,476	552	5,233,294
Peanut	876	2,619	7,289,333
Pineapple	2,089	1,264	3,351,622
Pitpit	74	33	6,381
Pomelo	524	79	162,071
Pumpkin	2,167	712	488,328
Radish	-	22	21,602
Rambutan	586	336	408,901
Sand Paper (Amau)	89	29	8,349
Shallot	1,444	1,994	5,622,756
Slippery Cabbage	18,369	7,444	11,743,722
Soursop	583	-	153,765
Taro	14,922	6,646	15,562,514
Tomato	2,227	2,122	2,898,428
Turmeric	-	16	8,808
Turnip	123	41	21,014
Vanilla	-	-	-
Vine Tree	-	-	-
Water Cress	122	173	109,484
Yam	14,530	4,054	8,578,069
Other (specify)	6,159	4,309	14,274,254

Table A6.8 Crops Harvested in the Last 12 Months by Quantity Sold and Value of Sale (\$SI), by Province: 2017

Crop code	Province																					
	Total		Choiseul		Western		Isabel		Central		Rennell Bellona		Guadalcanal		Malaita		Makira		Temotu		Honiara	
	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale
Total	21,338,433	353,822,283	1,817,343	20,631,536	5,265,839	60,452,952	1,789,931	20,631,536	1,909,340	30,769,006	115	2,984	4,590,096	125,214,958	2,853,617	61,912,866	2,246,137	20,184,028	673,197	7,325,935	192,818	4,378,998
Aerial Yam	200	1,900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	200	1,900	-	-
Alite	728	11,988	148	245	-	-	-	-	-	10,777	-	-	-	-	-	-	-	-	-	-	580	966
Antherium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avocado	3,015	92,717	-	-	3,015	92,717	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Banana	360,578	11,336,762	35,383	1,440,608	236,387	5,001,342	4,695	97,359	826	92,806	13	697	14,485	775,627	25,050	1,023,891	32,880	718,185	2,624	84,975	8,233	2,101,271
Betelnut	273,509	65,970,607	1,041	326,466	24,013	6,304,444	48,940	8,542,871	7,255	2,071,511	-	-	114,904	37,639,247	72,352	9,976,795	2,748	882,316	2,255	226,957	-	-
Black pepper	2,512	80,652	-	-	-	-	355	6,175	212	4,247	-	-	850	14,160	1,095	56,071	-	-	-	-	-	-
Boneo	4,548	21,873	3,187	15,071	-	-	-	-	-	-	-	-	1,311	6,554	-	-	50	248	-	-	-	-
Bread Fruit	13,522	537,148	-	-	146	5,820	-	-	-	-	-	-	-	-	-	-	455	9,250	12,922	522,077	-	-
Capsicum	51,157	521,982	1,114	16,773	38,861	460,724	5,645	16,651	-	-	-	-	2,211	15,792	945	675	1,708	5,807	673	5,561	-	-
Carabola (Star fruit)	7,096	36,978	-	-	-	-	-	-	-	-	-	-	6,686	33,428	71	2,703	-	-	-	-	339	848
Cardamom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cassava	673,893	22,295,135	56,722	1,543,965	272,565	6,970,371	23,181	526,653	3,875	148,880	8	572	156,410	6,645,204	61,524	4,669,980	70,962	907,114	5,069	84,750	23,579	797,646
Chestnut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chillies	651	263,315	1	150	178	70,053	10	2,615	-	-	-	-	216	91,870	247	98,628	-	-	-	-	-	-
Chinese Vegetable	109,331	2,608,120	2,389	72,169	50,860	1,476,502	6,014	53,188	2,164	41,298	-	-	19,419	484,199	19,629	373,972	1,207	9,885	93	1,857	7,555	95,050
Cocoa	2,254,728	57,501,002	4,742	112,880	238,233	2,499,256	529	12,707	28,582	925,160	-	-	816,216	33,989,658	607,137	13,372,202	450,532	5,842,650	98,562	647,814	10,195	98,675
Coconut	10,741,491	99,085,895	1,114,418	11,794,329	2,781,224	18,365,552	935,953	4,940,371	1,127,972	16,018,784	-	-	2,607,500	31,749,856	929,860	5,355,558	898,191	8,517,959	304,487	2,055,913	41,888	287,574
Coffee	1,163	34,900	-	-	-	-	-	-	-	-	-	-	1,163	34,900	-	-	-	-	-	-	-	-
Croton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crown of thorns	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cucumber	66,022	1,433,020	2,111	33,789	54,307	1,232,759	1,613	22,603	-	-	-	-	6,139	111,046	1,485	26,694	311	5,180	57	950	-	-
Cut nut	15,676	161,801	-	-	3,332	45,433	-	-	-	-	-	-	4,741	28,264	71	26,774	7,478	57,464	-	-	54	3,864
Durian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Edu	66,793	886,233	5,515	79,317	-	-	-	-	367	32,037	-	-	-	-	60,358	761,832	554	13,047	-	-	-	-
Eggplant	55,064	531,779	255	766	10,636	105,269	1,629	14,369	2,008	4,775	-	-	26,190	341,755	10,086	37,564	235	2,575	1,550	12,676	2,475	12,029
Fern	27,952	118,912	374	1,556	27,579	117,356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ginger	2,940	93,283	-	-	128	6,701	-	-	2,812	86,582	-	-	-	-	-	-	-	-	-	-	-	-
Ginger	494	65,340	-	-	324	33,771	-	15,997	170	15,571	-	-	-	-	-	-	-	-	-	-	-	-
Guava	12,755	320,452	-	-	470	21,142	-	-	-	-	-	-	3,794	96,981	1,665	33,608	-	-	-	-	6,827	168,721
Head Cabbage	1,079	28,831	17	843	970	27,065	-	-	35	354	-	-	-	-	-	-	-	-	57	570	-	-
Heliconia	748	14,960	-	-	-	-	-	-	-	-	-	-	-	-	748	14,960	-	-	-	-	-	-
Inkori (Uli)	13,081	22,813	-	-	1,174	1,957	-	-	-	-	-	-	-	-	107	1,782	-	-	-	-	11,800	19,073
Jackfruit	6,245	37,472	-	-	133	783	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,112	36,689

Table A6.8 Cont. Crops Harvested in the Last 12 Months by Quantity Sold and Value of Sale (\$SI), by Province: 2017

Crop code	Province																					
	Total		Choiseul		Western		Isabel		Central		Rennell Bellona		Guadalcanal		Malaita		Makira		Temotu		Honiara	
	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale
Kakake	34,988	186,535	305	1,001	776	3,878	9,852	24,352	-	-	-	-	-	-	11,137	56,278	12,838	99,930	80	1,097	-	-
Kang Kong	3,579	150,403	-	-	2,918	126,878	-	-	136	14,156	-	-	-	-	-	-	525	9,370	-	-	-	-
Kava	2,070	908,859	-	-	-	-	1,485	757,438	-	-	-	-	-	-	565	140,698	-	-	19	10,723	-	-
Kongkong	173,050	2,794,509	1,302	15,938	30,488	77,365	12,410	72,884	42,643	702,962	-	-	9,687	15,135	63,787	1,847,345	12,171	53,381	561	9,498	-	-
Kumara	980,494	32,906,407	113,440	2,433,352	351,833	8,430,161	121,254	2,506,296	20,298	417,830	14	858	125,260	5,852,808	135,334	11,510,945	85,318	1,057,711	25,404	584,856	2,340	111,588
Land Cress	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	12,667	140,056	-	-	744	24,797	-	-	-	-	-	-	2,242	27,007	2,352	29,071	-	-	-	-	7,329	59,181
Lettuce	813	29,747	-	-	813	29,747	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malayan Apple	40,325	321,256	-	-	27,704	239,693	-	-	1,427	12,324	-	-	2,863	28,348	-	-	104	1,238	-	-	8,227	39,653
Mandarin	29,523	574,407	-	-	11,739	114,733	866	10,218	-	-	-	-	10,109	355,968	1,079	9,440	-	-	-	-	5,729	84,048
Mango	22,258	751,120	-	-	60	3,306	-	-	-	-	-	-	17,873	706,201	-	-	-	-	14	349	4,312	41,263
Mangosteen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ngali Nut	2,089	118,797	-	-	1,419	17,104	-	-	-	-	-	-	-	-	-	-	486	89,810	183	11,883	-	-
Ofen'a	-	32,383	-	-	-	-	-	-	-	-	-	-	-	-	-	32,383	-	-	-	-	-	-
Oil Palm	6,737	200,379	-	-	-	-	-	-	-	-	-	-	6,737	200,379	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	5,020	54,770	-	-	147	2,454	1,593	10,907	-	-	-	-	-	-	1,909	24,042	-	-	1,371	17,367	-	-
Orchids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pana	1,109,271	4,599,447	45,345	201,056	70,663	289,823	161,411	489,223	291,628	2,120,541	80	858	35,521	178,409	85,092	343,991	300,982	474,817	105,642	454,821	12,907	45,910
Passion Fruit	8	2,379	-	-	8	2,379	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pawpaw	41,170	265,604	3,309	19,230	26,567	183,579	1,797	11,196	-	-	-	-	4,372	30,398	1,346	13,435	-	-	3,448	3,217	331	4,548
Peanut	281,529	5,083,528	30,499	139,836	55,613	1,322,233	16,732	160,194	59,550	1,369,191	-	-	41,789	725,271	63,386	1,179,864	2,981	3,412	10,979	183,527	-	-
Pineapple	306,792	1,697,263	11,447	44,573	134,595	502,095	50,594	112,766	63,196	415,048	-	-	633	2,260	31,898	586,388	545	1,238	11,623	28,541	2,261	4,354
Pitpit	696	5,801	-	-	-	-	696	5,801	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pomelo	10,542	13,743	-	-	10,067	12,460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	475	1,284
Pumpkin	41,453	363,351	7,267	40,897	21,410	166,190	1,678	109,434	-	-	-	-	2,129	11,327	6,312	17,501	2,444	17,020	-	-	213	983
Radish	324	6,481	-	-	324	6,481	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rambutan	26,207	387,605	-	-	12,766	217,087	-	-	-	-	-	-	11,750	141,797	1,691	28,721	-	-	-	-	-	-
Sand Paper (Amau)	874	6,385	-	-	617	4,405	-	-	-	-	-	-	-	-	-	-	258	1,981	-	-	-	-
Shallot	66,607	1,691,689	2,338	14,158	5,800	110,216	9,491	62,009	-	-	-	-	28,369	1,296,457	17,955	167,728	2,269	32,968	385	8,153	-	-
Slippery Cabbage	1,181,188	9,769,483	106,069	299,345	458,388	1,853,052	62,375	246,333	880	2,225	-	-	97,657	288,272	359,484	5,671,649	73,524	171,474	19,571	1,199,703	3,240	37,430
Soursop	2,294	19,663	-	-	-	-	-	-	-	-	-	-	2,294	19,663	-	-	-	-	-	-	-	-

Table A6.8 Cont. Crops Harvested in the Last 12 Months by Quantity Sold and Value of Sale (\$SI), by Province: 2017

Crop code	Province																					
	Total		Choiseul		Western		Isabel		Central		Rennell Bellona		Guadalcanal		Malaita		Makira		Temotu		Honiara	
	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale	Quantity sold (in KG)	Value of sale
Taro	784,405	9,887,121	199,031	1,453,876	53,839	345,652	91,647	641,313	39,479	876,524	-	-	115,696	1,990,320	147,176	3,373,980	107,428	312,008	27,880	861,922	2,230	31,527
Tomato	122,060	602,455	764	3,297	22,996	158,907	9,205	15,716	858	15,935	-	-	57,613	109,472	23,966	280,976	3,887	8,680	2,771	9,472	-	-
Turmeric	40	8,008	-	-	-	-	40	8,008	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turnip	896	8,956	300	2,996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	596	5,959	-	-
Vanilla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Cress	592	45,298	96	2,218	167	31,311	-	-	-	-	-	-	-	-	187	8,922	-	-	142	2,848	-	-
Yam	524,351	6,041,114	42,002	333,656	103,072	1,001,553	41,187	268,429	90,532	2,861,793	-	-	557	11,387	71,346	594,561	148,755	714,195	21,458	197,528	5,442	58,011
Other (specify)	756,550	10,031,411	26,413	187,182	115,774	2,336,395	167,054	3,184,945	122,434	2,507,696	-	-	234,710	1,165,536	35,184	161,257	24,313	163,116	12,522	88,473	18,145	236,811

Table A6.9 Crops Harvested in the Last 12 Months by Quantity Produced (in KGs), by Province: 2017

Crop	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total	53,883,971	3,280,752	9,770,167	4,156,228	6,525,765	54,011	6,474,420	16,613,065	3,822,103	2,167,430	1,020,028
Aerial Yam	3,852	-	-	-	-	-	-	-	-	3,852	-
Alite	4,048	148	-	-	68	-	-	-	-	50	3,782
Antherium	-	-	-	-	-	-	-	-	-	-	-
Avocado	7,084	-	6,835	-	-	-	-	-	-	-	249
Banana	1,069,033	86,156	635,618	18,144	19,283	1,157	43,468	75,843	86,333	35,302	67,729
Betelnut	419,569	1,421	30,205	55,373	11,904	-	166,024	132,385	7,540	14,637	80
Black pepper	9,482	261	-	488	279	-	1,853	6,601	-	-	-
Boneo	20,990	3,763	106	297	-	-	1,278	1,606	299	55	13,588
Bread Fruit	147,351	-	2,654	-	-	-	-	-	2,810	141,791	96
Capsicum	76,237	4,871	43,675	8,887	-	-	1,879	945	699	15,281	-
Carabola (Star fruit)	21,835	-	2,636	-	-	-	5,354	1,132	-	37	12,676
Cardamom	-	-	-	-	-	-	-	-	-	-	-
Cassava	3,506,729	186,813	816,904	182,022	211,997	334	320,037	1,445,587	190,980	45,270	106,786
Chestnut	773	-	-	-	-	-	-	-	-	47	725
Chillies	6,639	1	2,042	10	1,399	-	299	2,888	-	-	-
Chinese Vegetable	133,609	2,966	53,116	9,060	3,621	18	21,853	23,999	3,394	93	15,490
Cocoa	3,436,984	5,216	352,007	582	33,308	-	976,525	1,363,002	571,628	123,500	11,215
Coconut	17,815,556	1,086,820	3,359,967	1,577,476	2,771,978	4,180	2,347,316	4,795,551	957,847	855,368	59,054
Coffee	1,163	-	-	-	-	-	1,163	-	-	-	-
Croton	-	-	-	-	-	-	-	-	-	-	-
Crown of thorns	-	-	-	-	-	-	-	-	-	-	-
Cucumber	93,573	9,892	55,303	6,495	712	-	11,721	8,927	466	57	-
Cut nut	139,364	266	107,659	-	-	-	2,755	4,831	12,735	567	10,551
Durian	-	-	-	-	-	-	-	-	-	-	-
Edu	322,825	7,154	-	-	11,700	-	-	303,754	217	-	-
Eggplant	176,606	817	54,427	3,315	11,900	-	31,555	35,071	423	22,735	16,362
Fern	30,584	374	27,579	-	-	-	-	2,136	496	-	-
Ginger	22,352	120	19,143	-	2,812	-	-	-	-	-	277
Ginger	15,571	-	13,869	1,417	170	-	-	-	-	-	116
Guava	75,915	-	16,015	-	-	-	3,244	15,016	-	-	41,639
Head Cabbage	1,915	17	1,029	293	379	-	-	-	52	146	-
Heliconia	1,520	-	-	-	-	-	-	1,520	-	-	-
Inkori (Uli)	142,843	-	18,581	-	-	-	-	2,857	-	-	121,404
Jackfruit	9,514	-	346	-	-	-	-	-	-	-	9,168
Kakake	410,822	8,546	150,510	93,534	4,151	-	24,308	89,659	28,551	10,948	616
Kang Kong	6,923	-	2,918	-	136	-	-	1,102	653	-	2,114
Kava	2,531	-	-	1,646	-	-	-	864	-	21	-
Kongkong	1,708,542	52,676	109,009	140,095	103,074	-	290,037	922,758	88,760	2,066	68
Kumara	4,854,516	341,344	883,982	496,604	210,614	11,188	454,721	2,133,307	217,056	97,901	7,797
Land Cress	-	-	-	-	-	-	-	-	-	-	-
Lemon	72,684	-	535	-	-	-	29,692	6,336	-	137	35,984
Lettuce	1,314	-	1,314	-	-	-	-	-	-	-	-
Malayan Apple	177,089	-	81,018	-	2,737	-	4,708	-	4,696	-	83,931
Mandarin	81,862	-	43,748	661	-	-	20,625	1,176	-	-	15,652
Mango	70,545	-	1,216	-	1,498	-	33,159	1,306	-	82	33,284
Mangosteen	282	-	-	-	-	-	-	-	-	-	282
Mushroom	-	-	-	-	-	-	-	-	-	-	-
Ngali Nut	10,934	-	7,743	-	1,009	-	-	-	1,910	224	48
Ofen'a	11,012	-	-	-	-	-	-	4,643	-	-	6,369
Oil Palm	6,737	-	-	-	-	-	6,737	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-	-
Orange	5,506	-	52	1,000	-	-	470	1,963	-	1,374	647
Orchids	207	-	-	-	-	-	-	207	-	-	-

**Table A6.9 Cont. Crops Harvested in the Last 12 Months by Quantity Produced (in KGs), by Province:
2017**

Crop	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Pana	6,712,761	182,808	450,118	562,484	1,983,764	14,935	522,203	1,698,993	829,885	438,496	29,075
Passion Fruit	8	-	8	-	-	-	-	-	-	-	-
Pawpaw	236,758	6,679	114,661	2,308	116	489	33,212	7,364	277	13,784	57,870
Peanut	289,638	15,274	63,267	26,089	64,952	-	65,056	31,195	15,816	7,805	185
Pineapple	896,162	37,826	458,925	92,846	100,100	-	104,497	52,501	977	16,256	32,234
Pitpit	3,866	2,580	-	1,286	-	-	-	-	-	-	-
Pomelo	72,449	-	32,271	-	-	-	17,097	-	-	-	23,081
Pumpkin	74,111	17,656	34,321	2,797	537	9	3,219	7,625	5,041	670	2,237
Radish	324	-	324	-	-	-	-	-	-	-	-
Rambutan	44,703	-	13,549	-	-	-	11,181	19,121	-	-	853
Sand Paper (Amau)	956	-	21	-	-	-	453	-	483	-	-
Shallot	82,324	3,720	8,196	15,798	-	-	33,926	16,134	3,506	1,013	32
Slippery Cabbage	2,762,336	317,321	957,742	148,409	15,771	2,591	175,981	879,356	130,664	97,534	36,967
Soursop	9,712	-	1,474	-	-	-	906	-	-	-	7,333
Taro	3,422,210	718,415	141,101	407,625	168,702	17,066	412,169	1,238,741	220,923	78,601	18,868
Tomato	160,293	646	17,626	11,213	5,279	22	40,474	68,105	5,926	6,174	4,827
Turmeric	40	-	-	40	-	-	-	-	-	-	-
Turnip	3,426	1,457	-	-	-	-	-	-	-	1,969	-
Vanilla	-	-	-	-	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-	-	-	-	-
Water Cress	1,843	96	167	-	-	-	681	516	-	383	-
Yam	3,033,635	126,478	330,754	187,621	624,391	1,933	125,278	1,113,454	401,131	111,041	11,555
Other (specify)	941,391	50,153	243,881	100,315	157,423	91	127,308	92,990	29,932	22,166	117,133

Table A6.10 Crops Harvested in the Last 12 Months by Quantity Produced and Sold (in KGs), by Province: 2017

Crop	Province																					
	Total		Choiseul		Western		Isabel		Central		Rennell Bellona		Guadalcanal		Malaita		Makira		Temotu		Honiara	
	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold
Total	53,883,971	21,338,433	3,280,752	1,817,343	9,770,167	5,265,839	4,156,228	1,817,343	6,525,765	1,909,340	54,011	115	6,474,420	4,590,096	16,613,065	2,853,617	3,822,103	2,246,137	2,167,430	673,197	1,020,028	192,818
Aerial Yam	3,852	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,852	200	-	-
Alite	4,048	728	148	148	-	-	-	-	68	-	-	-	-	-	-	-	-	-	50	-	3,782	580
Antherium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avocado	7,084	3,015	-	-	6,835	3,015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	249	-
Banana	1,069,033	360,578	86,156	35,383	635,618	236,387	18,144	4,695	19,283	826	1,157	13	43,468	14,485	75,843	25,050	86,333	32,880	35,302	2,624	67,729	8,233
Betelnut	419,569	273,509	1,421	1,041	30,205	24,013	55,373	48,940	11,904	7,255	-	-	166,024	114,904	132,385	72,352	7,540	2,748	14,637	2,255	80	-
Black pepper	9,482	2,512	261	-	-	-	488	355	279	212	-	-	1,853	850	6,601	1,095	-	-	-	-	-	-
Boneo	20,990	4,548	3,763	3,187	106	-	297	-	-	-	-	-	1,278	1,311	1,606	-	299	50	55	-	13,588	-
Bread Fruit	147,351	13,522	-	-	2,654	146	-	-	-	-	-	-	-	-	-	-	2,810	455	141,791	12,922	96	-
Capsicum	76,237	51,157	4,871	1,114	43,675	38,861	8,887	5,645	-	-	-	-	1,879	2,211	945	945	699	1,708	15,281	673	-	-
Carabola (Star fruit)	21,835	7,096	-	-	2,636	-	-	-	-	-	-	-	5,354	6,686	1,132	71	-	-	37	-	12,676	339
Cardamom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cassava	3,506,729	673,893	186,813	56,722	816,904	272,565	182,022	23,181	211,997	3,875	334	8	320,037	156,410	1,445,587	61,524	190,980	70,962	45,270	5,069	106,786	23,579
Chestnut	773	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	-	725	-
Chillies	6,639	651	1	1	2,042	178	10	10	1,399	-	-	-	299	216	2,888	247	-	-	-	-	-	-
Chinese Vegetable	133,609	109,331	2,966	2,389	53,116	50,860	9,060	6,014	3,621	2,164	18	-	21,853	19,419	23,999	19,629	3,394	1,207	93	93	15,490	7,555
Cocoa	3,436,984	2,254,728	5,216	4,742	352,007	238,233	582	529	33,308	28,582	-	-	976,525	816,216	1,363,002	607,137	571,628	450,532	123,500	98,562	11,215	10,195
Coconut	17,815,556	10,741,491	1,086,820	1,114,418	3,359,967	2,781,224	1,577,476	935,953	2,771,978	1,127,972	4,180	-	2,347,316	2,607,500	4,795,551	929,860	957,847	898,191	855,368	304,487	59,054	41,888
Coffee	1,163	1,163	-	-	-	-	-	-	-	-	-	-	1,163	1,163	-	-	-	-	-	-	-	-
Croton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crown of thorns	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cucumber	93,573	66,022	9,892	2,111	55,303	54,307	6,495	1,613	712	-	-	-	11,721	6,139	8,927	1,485	466	311	57	57	-	-
Cut nut	139,364	15,676	266	-	107,659	3,332	-	-	-	-	-	-	2,755	4,741	4,831	71	12,735	7,478	567	-	10,551	54
Durian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Edu	322,825	66,793	7,154	5,515	-	-	-	-	11,700	367	-	-	-	-	303,754	60,358	217	554	-	-	-	-
Eggplant	176,606	55,064	817	255	54,427	10,636	3,315	1,629	11,900	2,008	-	-	31,555	26,190	35,071	10,086	423	235	22,735	1,550	16,362	2,475
Fern	30,584	27,952	374	374	27,579	27,579	-	-	-	-	-	-	-	-	2,136	-	496	-	-	-	-	-
Ginger	22,352	2,940	120	-	19,143	128	-	-	2,812	2,812	-	-	-	-	-	-	-	-	-	-	277	-
Ginger	15,571	494	-	-	13,869	324	1,417	-	170	170	-	-	-	-	-	-	-	-	-	-	116	-
Guava	75,915	12,755	-	-	16,015	470	-	-	-	-	-	-	3,244	3,794	15,016	1,665	-	-	-	-	41,639	6,827
Head Cabbage	1,915	1,079	17	17	1,029	970	293	-	379	35	-	-	-	-	-	-	52	-	146	57	-	-
Heliconia	1,520	748	-	-	-	-	-	-	-	-	-	-	-	-	1,520	748	-	-	-	-	-	-
Inkori (Uli)	142,843	13,081	-	-	18,581	1,174	-	-	-	-	-	-	-	-	2,857	107	-	-	-	-	121,404	11,800
Jackfruit	9,514	6,245	-	-	346	133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,168	6,112
Kakake	410,822	34,988	8,546	305	150,510	776	93,534	9,852	4,151	-	-	-	24,308	-	89,659	11,137	28,551	12,838	10,948	80	616	-

Table A6.10 Cont. Crops Harvested in the Last 12 Months by Quantity Produced and Sold (in KGs), by Province: 2017

Crop	Province																					
	Total		Choiseul		Western		Isabel		Central		Rennell Bellona		Guadalcanal		Malaita		Makira		Temotu		Honiara	
	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold
Kang Kong	6,923	3,579	-	-	2,918	2,918	-	-	136	136	-	-	-	-	1,102	-	653	525	-	-	2,114	-
Kava	2,531	2,070	-	-	-	-	1,646	1,485	-	-	-	-	-	-	864	565	-	-	21	19	-	-
Kongkong	1,708,542	173,050	52,676	1,302	109,009	30,488	140,095	12,410	103,074	42,643	-	-	290,037	9,687	922,758	63,787	88,760	12,171	2,066	561	68	-
Kumara	4,854,516	980,494	341,344	113,440	883,982	351,833	496,604	121,254	210,614	20,298	11,188	14	454,721	125,260	2,133,307	135,334	217,056	85,318	97,901	25,404	7,797	2,340
Land Cress	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	72,684	12,667	-	-	535	744	-	-	-	-	-	-	29,692	2,242	6,336	2,352	-	-	137	-	35,984	7,329
Lettuce	1,314	813	-	-	1,314	813	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malayan Apple	177,089	40,325	-	-	81,018	27,704	-	-	2,737	1,427	-	-	4,708	2,863	-	-	4,696	104	-	-	83,931	8,227
Mandarin	81,862	29,523	-	-	43,748	11,739	661	866	-	-	-	-	20,625	10,109	1,176	1,079	-	-	-	-	15,652	5,729
Mango	70,545	22,258	-	-	1,216	60	-	-	1,498	-	-	-	33,159	17,873	1,306	-	-	-	82	14	33,284	4,312
Mangosteen	282	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	282	-
Mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ngali Nut	10,934	2,089	-	-	7,743	1,419	-	-	1,009	-	-	-	-	-	-	-	1,910	486	224	183	48	-
Ofen'a	11,012	-	-	-	-	-	-	-	-	-	-	-	-	-	4,643	-	-	-	-	-	6,369	-
Oil Palm	6,737	6,737	-	-	-	-	-	-	-	-	-	-	6,737	6,737	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	5,506	5,020	-	-	52	147	1,000	1,593	-	-	-	-	470	-	1,963	1,909	-	-	1,374	1,371	647	-
Orchids	207	-	-	-	-	-	-	-	-	-	-	-	-	-	207	-	-	-	-	-	-	-
Pana	6,712,761	1,109,271	182,808	45,345	450,118	70,663	562,484	161,411	1,983,764	291,628	14,935	80	522,203	35,521	1,698,993	85,092	829,885	300,982	438,496	105,642	29,075	12,907
Passion Fruit	8	8	-	-	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pawpaw	236,758	41,170	6,679	3,309	114,661	26,567	2,308	1,797	116	-	489	-	33,212	4,372	7,364	1,346	277	-	13,784	3,448	57,870	331
Peanut	289,638	281,529	15,274	30,499	63,267	55,613	26,089	16,732	64,952	59,550	-	-	65,056	41,789	31,195	63,386	15,816	2,981	7,805	10,979	185	-
Pineapple	896,162	306,792	37,826	11,447	458,925	134,595	92,846	50,594	100,100	63,196	-	-	104,497	633	52,501	31,898	977	545	16,256	11,623	32,234	2,261
Pitpit	3,866	696	2,580	-	-	-	1,286	696	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pomelo	72,449	10,542	-	-	32,271	10,067	-	-	-	-	-	-	17,097	-	-	-	-	-	-	-	23,081	475
Pumpkin	74,111	41,453	17,656	7,267	34,321	21,410	2,797	1,678	537	-	9	-	3,219	2,129	7,625	6,312	5,041	2,444	670	-	2,237	213
Radish	324	324	-	-	324	324	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rambutan	44,703	26,207	-	-	13,549	12,766	-	-	-	-	-	-	11,181	11,750	19,121	1,691	-	-	-	-	853	-
Sand Paper (Amau)	956	874	-	-	21	617	-	-	-	-	-	-	453	-	-	-	483	258	-	-	-	-
Shallot	82,324	66,607	3,720	2,338	8,196	5,800	15,798	9,491	-	-	-	-	33,926	28,369	16,134	17,955	3,506	2,269	1,013	385	32	-
Slippery Cabbage	2,762,336	1,181,188	317,321	106,069	957,742	458,388	148,409	62,375	15,771	880	2,591	-	175,981	97,657	879,356	359,484	130,664	73,524	97,534	19,571	36,967	3,240
Soursop	9,712	2,294	-	-	1,474	-	-	-	-	-	-	-	906	2,294	-	-	-	-	-	-	7,333	-

Table A6.10 Cont. Crops Harvested in the Last 12 Months by Quantity Produced and Sold (in KGs), by Province: 2017

Crop	Province																					
	Total		Choiseul		Western		Isabel		Central		Rennell Bellona		Guadalcanal		Malaita		Makira		Temotu		Honiara	
	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold	Quantity Prod	Quantity Sold
Taro	3,422,210	784,405	718,415	199,031	141,101	53,839	407,625	91,647	168,702	39,479	17,066	-	412,169	115,696	1,238,741	147,176	220,923	107,428	78,601	27,880	18,868	2,230
Tomato	160,293	122,060	646	764	17,626	22,996	11,213	9,205	5,279	858	22	-	40,474	57,613	68,105	23,966	5,926	3,887	6,174	2,771	4,827	-
Turmeric	40	40	-	-	-	-	40	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turnip	3,426	896	1,457	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,969	596	-	-
Vanilla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Cress	1,843	592	96	96	167	167	-	-	-	-	-	-	681	-	516	187	-	-	383	142	-	-
Yam	3,033,635	524,351	126,478	42,002	330,754	103,072	187,621	41,187	624,391	90,532	1,933	-	125,278	557	1,113,454	71,346	401,131	148,755	111,041	21,458	11,555	5,442
Other (specify)	941,391	756,550	50,153	26,413	243,881	115,774	100,315	167,054	157,423	122,434	91	-	127,308	234,710	92,990	35,184	29,932	24,313	22,166	12,522	117,133	18,145

Table A6.11 Crops Harvested in Last 12 Months by Total Quantity Produced and Sold (in KGs) by Purpose of Production, by Province: 2017

Province	Total			Main Purpose of Production					
	Quantity Prod (in KG)	Quantity Sold (in KG)	Value of Sale (\$SI)	Mainly for home consumption			Mainly for sale		
				Quantity Prod (in KG)	Quantity Sold (in KG)	Value of Sale (\$SI)	Quantity Prod (in KG)	Quantity Sold (in KG)	Value of Sale (in KG)
Total	53,883,971	21,338,433	353,822,283	26,682,856	2,497,423	38,039,716	27,186,656	18,829,221	256,685,567
Choiseul	3,280,752	1,817,343	20,631,536	1,337,590	185,554	1,810,539	1,943,162	1,631,789	18,552,350
Western	9,770,167	5,265,839	60,452,952	3,795,328	468,957	4,466,999	5,974,839	4,796,883	46,602,532
Isabel	4,156,228	1,789,931	20,631,536	1,915,477	340,014	2,811,033	2,240,752	1,449,917	20,075,169
Central	6,525,765	1,909,340	30,769,006	3,167,859	118,130	1,126,227	3,352,342	1,791,210	24,892,978
Rennell Bellona	54,011	115	2,984	54,004	107	2,412	8	8	572
Guadalcanal	6,474,420	4,590,096	125,214,958	2,181,598	269,024	4,568,592	4,284,525	4,309,283	95,725,134
Malaita	16,613,065	2,853,617	61,912,866	9,979,723	232,501	16,733,530	6,632,744	2,621,116	28,724,603
Makira	3,822,103	2,246,137	20,184,028	2,162,826	768,204	5,368,131	1,659,277	1,477,933	14,998,055
Temotu	2,167,430	673,197	7,325,935	1,240,398	54,141	593,487	927,032	619,056	5,047,204
Honiara	1,020,028	192,818	4,378,998	848,054	60,791	558,767	171,974	132,027	2,066,970

Table A6.12 Crops Harvested in Last 12 Months by Quantity (KGs) in Current Stock, by Province: 2017

Crop	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total	6,826,111	189,331	2,280,723	37,848	206,221	511	609,856	2,437,114	838,872	211,857	13,778
Aerial Yam	-	-	-	-	-	-	-	-	-	-	-
Alite	-	-	-	-	-	-	-	-	-	-	-
Antherium	-	-	-	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-	-	-	-
Banana	927,944	1,549	809,606	93	305	-	12,282	33,207	54,119	15,613	1,171
Betelnut	20,533	87	1,264	-	853	-	14,604	1,813	1,050	862	-
Black pepper	694	-	-	-	-	-	512	182	-	-	-
Boneo	393	-	-	-	-	-	393	-	-	-	-
Bread Fruit	10,710	-	-	-	-	-	-	-	43	10,667	-
Capsicum	9,870	124	9,710	-	-	-	-	-	-	36	-
Carabola (Star fruit)	1,543	-	-	-	-	-	1,180	364	-	-	-
Cardamom	-	-	-	-	-	-	-	-	-	-	-
Cassava	275,719	6,713	54,915	445	4,902	8	17,891	174,791	9,746	1,702	4,606
Chestnut	-	-	-	-	-	-	-	-	-	-	-
Chillies	292	-	264	-	-	-	27	-	-	-	-
Chinese Vegetable	31,939	40	24,989	-	241	-	2,178	4,044	445	-	-
Cocoa	384,230	-	95,858	265	9,400	-	160,011	16,407	81,583	20,705	-
Coconut	1,208,871	69,113	237,015	31,446	11,176	-	301,226	414,296	103,503	41,012	85
Coffee	-	-	-	-	-	-	-	-	-	-	-
Croton	-	-	-	-	-	-	-	-	-	-	-
Crown of thorns	-	-	-	-	-	-	-	-	-	-	-
Cucumber	20,550	164	18,511	-	-	-	640	1,235	-	-	-
Cut nut	3,235	-	1,128	-	-	-	1,638	157	297	-	15
Durian	-	-	-	-	-	-	-	-	-	-	-
Edu	3,920	-	-	-	715	-	-	3,205	-	-	-
Eggplant	11,223	-	8,225	-	-	-	1,126	1,501	142	200	28
Fern	-	-	-	-	-	-	-	-	-	-	-
Ginger	842	-	-	-	842	-	-	-	-	-	-
Ginger	-	-	-	-	-	-	-	-	-	-	-
Guava	1,310	-	-	-	-	-	890	420	-	-	-
Head Cabbage	-	-	-	-	-	-	-	-	-	-	-
Heliconia	-	-	-	-	-	-	-	-	-	-	-
Inkori (Uli)	235	-	235	-	-	-	-	-	-	-	-
Jackfruit	-	-	-	-	-	-	-	-	-	-	-
Kakake	367,333	-	176,314	-	-	-	32,680	79,079	71,291	7,887	82
Kang Kong	3,337	-	3,040	-	-	-	-	-	297	-	-
Kava	145	-	-	-	-	-	-	145	-	-	-
Kongkong	61,656	39	-	-	13,847	-	-	47,633	137	-	-
Kumara	587,885	13,560	73,013	1,546	8,667	16	12,013	346,440	123,907	7,469	1,255
Land Cress	-	-	-	-	-	-	-	-	-	-	-
Lemon	306	-	-	-	-	-	306	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-
Malayan Apple	4,528	-	4,528	-	-	-	-	-	-	-	-
Mandarin	-	-	-	-	-	-	-	-	-	-	-
Mango	693	-	-	-	-	-	-	-	-	-	693
Mangosteen	-	-	-	-	-	-	-	-	-	-	-
Mushroom	-	-	-	-	-	-	-	-	-	-	-
Ngali Nut	314	-	33	-	-	-	-	-	272	8	-
Ofen'a	-	-	-	-	-	-	-	-	-	-	-
Oil Palm	-	-	-	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-	-
Orange	76	-	-	-	-	-	-	76	-	-	-
Orchids	-	-	-	-	-	-	-	-	-	-	-

Table A6.12 Cont. Crops Harvested in Last 12 Months by Quantity (KGs) in Current Stock, by Province: 2017

Crop	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Pana	760,154	2,125	14,650	603	107,953	479	6,495	509,945	95,127	20,523	2,256
Passion Fruit	-	-	-	-	-	-	-	-	-	-	-
Pawpaw	87,127	-	69,120	-	-	-	4,359	1,789	-	11,792	66
Peanut	14,559	452	10,093	-	2,690	-	-	-	580	744	-
Pineapple	258,928	1,229	116,522	-	944	-	226	11,810	128,045	-	154
Pitpit	125	-	-	125	-	-	-	-	-	-	-
Pomelo	708	-	708	-	-	-	-	-	-	-	-
Pumpkin	4,768	576	3,332	-	-	-	-	385	342	26	108
Radish	108	-	108	-	-	-	-	-	-	-	-
Rambutan	257	-	-	-	-	-	257	-	-	-	-
Sand Paper (Amau)	1,609	-	-	-	-	-	-	-	1,609	-	-
Shallot	7,685	14	1,604	-	-	-	198	4,668	1,132	70	-
Slippery Cabbage	362,640	6,547	197,925	-	-	-	12,517	114,871	21,658	8,698	424
Soursop	146	-	-	-	-	-	92	-	-	-	54
Taro	449,983	82,838	66,251	1,631	16,725	9	21,203	205,549	44,439	11,339	-
Tomato	10,680	-	8,138	-	-	-	158	1,481	801	18	84
Turmeric	-	-	-	-	-	-	-	-	-	-	-
Turnip	9	-	-	-	-	-	-	-	-	9	-
Vanilla	-	-	-	-	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-	-	-	-	-
Water Cress	-	-	-	-	-	-	-	-	-	-	-
Yam	839,308	3,627	219,076	-	26,644	-	4,360	440,277	96,611	48,713	-
Other (specify)	86,991	536	54,551	1,694	318	-	393	21,344	1,695	3,763	2,697

Table A6.13 Estimated Number of Household Agricultural Holdings Using Fertilisers, Pesticides and Irrigation, by Crop: 2017

Crop	Fertiliser NPK	Fertiliser Urea	Organic fertilisers	Other fertilisers	Insecticide	Herbicide	Other fungicides	Other pesticides	Irrigation
Total	1,073	539	5,263	4,819	3,186	359	568	628	1,263
Aerial Yam	-	-	-	-	-	-	-	-	-
Alite	-	-	10	-	-	-	-	-	-
Antherium	-	-	-	-	-	-	-	-	-
Avocado	-	-	-	-	-	-	-	-	-
Banana	-	-	1,060	773	-	-	-	-	49
Betelnut	-	-	17	-	-	-	-	-	-
Black pepper	-	-	69	-	47	-	-	-	-
Boneo	-	-	-	-	-	-	-	-	-
Bread Fruit	-	-	9	-	-	-	-	-	-
Capsicum	-	-	76	-	82	40	40	40	35
Carabola (Star fruit)	-	-	-	-	-	-	-	-	-
Cardamom	-	-	-	-	-	-	-	-	-
Cassava	41	41	144	273	-	-	-	-	-
Chestnut	-	-	-	-	-	-	-	-	-
Chillies	-	-	-	33	42	-	-	-	-
Chinese Vegetable	210	36	716	341	483	-	-	115	369
Cocoa	86	-	-	150	-	-	-	-	-
Coconut	-	-	-	75	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-	-
Croton	-	-	-	-	-	-	-	-	-
Crown of thorns	-	-	-	-	-	-	-	-	-
Cucumber	41	-	65	-	202	40	40	-	41
Cut nut	-	-	-	-	-	-	-	-	-
Durian	-	-	-	-	-	-	-	-	-
Edu	-	-	63	-	-	-	-	-	-
Eggplant	-	-	42	150	81	40	40	40	17

Table A6.13 Cont. Estimated Number of Household Agricultural Holdings Using Fertilisers, Pesticides and Irrigation, by Crop: 2017

Crop	Fertiliser NPK	Fertiliser Urea	Organic fertilisers	Other fertilisers	Insecticide	Herbicide	Other fungicides	Other pesticides	Irrigation
Fern	-	-	-	-	-	-	-	-	-
Ginger	-	-	-	-	-	-	-	-	-
Ginger	-	-	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-	-	-
Head Cabbage	-	-	33	-	-	-	-	-	-
Heliconia	-	-	-	-	-	-	-	-	-
Inkori (Uli)	-	-	-	-	29	-	-	-	-
Jackfruit	-	-	17	-	-	-	-	-	-
Kakake	-	-	-	-	-	-	-	-	-
Kang Kong	-	-	-	-	-	-	-	-	-
Kava	-	-	-	-	-	-	-	-	-
Kongkong	-	-	37	144	-	-	-	-	-
Kumara	41	41	215	137	47	-	-	-	-
Land Cress	-	-	-	-	-	-	-	-	-
Lemon	-	-	-	-	-	-	-	-	-
Lettuce	-	-	37	-	70	-	-	-	-
Malayan Apple	-	-	-	-	-	-	-	-	-
Mandarin	-	-	-	-	-	-	-	-	-
Mango	-	-	-	-	-	-	-	-	-
Mangosteen	-	-	-	-	-	-	-	-	-
Mushroom	-	-	-	-	-	-	-	-	-
Ngali Nut	-	-	-	-	-	-	-	-	-
Ofen'a	-	-	-	75	-	-	-	-	-
Oil Palm	15	-	-	-	-	-	-	-	-
Okra	-	-	31	-	-	-	-	-	-
Orange	-	-	-	-	-	-	-	-	-
Orchids	-	-	-	-	-	-	-	-	-
Pana	-	-	90	-	-	-	-	-	-
Passion Fruit	-	-	17	-	-	-	-	-	-
Pawpaw	15	-	109	-	-	-	-	-	-
Peanut	-	-	42	26	-	-	-	-	17
Pineapple	-	-	17	110	-	-	-	-	-
Pitpit	-	-	-	-	-	-	-	-	-
Pomelo	-	-	-	-	-	-	-	-	-
Pumpkin	-	-	62	-	-	-	-	-	-
Radish	-	-	-	-	-	-	-	-	-
Rambutan	-	-	9	-	-	-	-	-	-
Sand Paper (Amau)	-	-	-	-	-	-	-	-	-
Shallot	-	-	142	260	41	-	-	-	-
Slippery Cabbage	283	154	1,035	1,536	1,164	81	81	280	269
Soursop	-	-	-	-	-	-	-	-	-
Taro	-	34	186	331	24	-	-	-	-
Tomato	35	34	268	76	306	-	40	75	167
Turmeric	-	-	-	-	-	-	-	-	-
Turnip	-	-	-	75	-	-	-	-	-
Vanilla	-	-	-	-	-	-	-	-	-
Vine Tree	-	-	-	-	-	-	-	-	-
Water Cress	-	-	-	-	-	-	-	-	15
Yam	-	-	212	75	-	-	-	-	-
Other (specify)	306	198	433	180	569	158	326	77	284

Table A6.14 Estimated Number of Household Agricultural Holdings with Cropped Land under Protective Cover and Area (ha), by Province: 2017

Province	Number of households with cropped land under protective cover	Area of cropped land under protective cover (hectares)
Total	303	59
Choiseul	17	17
Western	-	-
Isabel	17	0
Central	109	16
Rennell Bellona	6	19
Guadalcanal	79	0
Malaïta	31	-
Makira	-	-
Temotu	-	-
Honiara	43	6

Table A6.15 Estimated Number of Household Agricultural Holdings Using Rice Seeds, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaïta	Makira	Temotu	Honiara
Uses rice seeds	54	-	24	-	-	-	-	30	-	-	-
Uses height yielding variety	24	-	24	-	-	-	-	-	-	-	-
Uses local variety	24	-	24	-	-	-	-	-	-	-	-
Own produced rice seeds	24	-	24	-	-	-	-	-	-	-	-
Bought from market or other producers	-	-	-	-	-	-	-	-	-	-	-
Provided by NGOs/cooperatives/international agencies	-	-	-	-	-	-	-	-	-	-	-
Provided by government	-	-	-	-	-	-	-	-	-	-	-
Provided by trader / company	-	-	-	-	-	-	-	-	-	-	-
Other providers	24	-	24	-	-	-	-	-	-	-	-

Table A6.16 Permanent Labourers Other Benefits and Occupation Status by Province: 2017

Province	Other benefits received										Occupation status					
	Total		Meals only		Housing only		Both meals and housing		Others		Total		Full-time		Part-time	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	435	252	101	44	26	26	94	-	92	182	435	252	284	149	151	103
Choiseul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Western	53	53	-	26	26	26	26	-	-	-	53	53	53	53	-	-
Isabel	17	17	17	17	-	-	-	-	-	-	17	17	-	-	17	17
Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rennell Bellona	20	-	3	-	-	-	12	-	6	-	20	-	12	-	9	-
Guadalcanal	215	54	39	-	-	-	-	-	54	54	215	54	176	54	39	-
Malaita	63	117	31	-	-	-	-	-	31	117	63	117	31	31	31	85
Makira	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Temotu	10	10	10	-	-	-	-	-	-	10	10	10	-	10	10	-
Honiara	56	-	-	-	-	-	56	-	-	-	56	-	12	-	44	-

Table A6.17 Number of Machinery and Equipment Used by Household Agricultural Holdings, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Crop Equipment											
Total	360,030	30,323	62,244	26,566	326	422	94,105	84,713	23,697	24,619	13,014
Tractor	333	-	-	-	-	-	248	24	-	23	39
Tractor implements	-	-	-	-	-	-	-	-	-	-	-
Rotary hoe	22,336	4,957	1,064	31	-	79	11,307	4,386	-	-	511
Knapsack sprayer	1,082	16	179	11	14	6	638	184	-	10	25
Mist blower	117	-	-	-	-	-	45	72	-	-	-
Weed eaters	71	18	-	-	-	-	33	-	-	21	-
Chainsaw	4,348	921	1,304	617	-	331	588	179	181	214	12
Other crop equipment	331,742	24,413	59,697	25,907	312	6	81,246	79,867	23,516	24,351	12,427
Fish Equipment											
Total	105,123	7,330	61,720	3,985	2,045	854	14,220	8,044	1,948	4,978	-
Boat with in-board engine	1,536	192	453	40	33	-	346	403	-	67	-
Boat with outboard engine	5,464	468	1,333	562	288	831	784	855	232	111	-
Canoe	30,085	5,435	7,943	3,323	1,646	23	4,219	5,431	1,046	1,019	-
Other fishing equipment	68,038	1,234	51,990	60	78	-	8,872	1,354	670	3,782	-
Transport											
Total	2,684	130	435	-	-	49	1,643	311	50	67	-
Van / truck / taxi (<2 tonnes)	626	-	53	-	-	40	453	33	-	47	-
Van / truck / taxi (2+ tonnes)	253	-	26	-	-	9	174	33	-	10	-
Other transport equipment	1,805	130	355	-	-	-	1,015	245	50	10	-
Energy Equipment											
Total	18,538	2,353	5,363	1,364	-	21	8,855	519	52	10	-
Electric generator	1,514	235	380	42	-	21	632	141	52	10	-
Others energy equipment	17,024	2,118	4,983	1,322	-	-	8,223	378	-	-	-
Livestock Equipment											
Total	6,660	58	1,329	90	14	21	2,368	1,807	66	68	838
Wheelbarrow	2,932	58	485	-	14	21	1,860	292	66	31	105
Other livestock equipment	3,728	-	844	90	-	-	508	1,515	-	37	733
Aquaculture Equipment											
Total	3,030	283	587	-	-	92	1,904	-	152	12	-
Aerator	233	-	233	-	-	-	-	-	-	-	-
Net	416	95	145	-	-	-	163	-	-	12	-
Food processor for feeds	40	-	40	-	-	-	-	-	-	-	-
Hand tractor	25	-	-	-	-	-	-	-	25	-	-
Generator / solar	1,941	177	109	-	-	84	1,571	-	-	-	-
Boat	220	11	37	-	-	3	169	-	-	-	-
Car/motorcycle/tricycle/remork	24	-	24	-	-	-	-	-	-	-	-
Other aquaculture equipment	133	-	-	-	-	6	-	-	127	-	-

Note: Equipment may be owned and used or, used but not owned.

Table A6.18 Number of Machinery and Equipment Owned by Household Agricultural Holdings, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Crop Equipment											
Total	502,586	21,004	249,985	26,106	301	207	88,923	62,280	21,171	24,361	8,249
Tractor	47	-	-	-	-	-	-	24	-	23	-
Tractor implements	-	-	-	-	-	-	-	-	-	-	-
Rotary hoe	20,243	4,841	983	31	-	73	10,147	3,746	-	-	422
Knapsack sprayer	2,474	16	1,957	11	14	6	337	112	-	10	12
Mist blower	81	-	-	-	-	-	45	36	-	-	-
Weed eaters	71	18	-	-	-	-	33	-	-	21	-
Chainsaw	10,555	828	7,958	617	-	122	588	179	105	145	12
Other crop equipment	469,115	15,302	239,087	25,448	287	6	77,774	58,183	21,066	24,162	7,802
Fish Equipment											
Total	229,502	6,151	190,073	3,995	1,672	74	13,972	6,749	1,696	5,120	-
Boat with in-board engine	3,014	163	2,191	40	17	-	346	189	-	67	-
Boat with outboard engine	9,386	447	6,514	562	225	50	784	642	52	111	-
Canoe	63,890	4,486	43,777	3,333	1,416	23	4,085	4,635	974	1,161	-
Other fishing equipment	153,212	1,055	137,591	60	14	-	8,757	1,283	670	3,782	-
Transport											
Total	9,084	130	7,186	-	-	52	1,558	100	-	57	-
Van / truck / taxi (<2 tonnes)	553	-	27	-	-	43	403	33	-	47	-
Van / truck / taxi (2+ tonnes)	1,062	-	846	-	-	9	174	33	-	-	-
Other transport equipment	7,469	130	6,313	-	-	-	980	34	-	10	-
Energy Equipment											
Total	51,635	2,321	38,669	1,364	-	21	8,786	412	52	10	-
Electric generator	9,698	235	8,565	42	-	21	632	141	52	10	-
Others energy equipment	41,937	2,086	30,104	-	-	-	-	-	-	-	-
Livestock Equipment											
Total	23,501	58	19,848	90	14	21	2,147	810	66	68	379
Wheelbarrow	11,455	58	9,334	-	14	21	1,639	217	66	31	74
Other livestock equipment	12,047	-	10,514	90	-	-	508	593	-	37	304
Aquaculture Equipment											
Total	8,081	247	5,752	-	-	38	1,904	-	127	12	-
Aerator	78	-	78	-	-	-	-	-	-	-	-
Net	1,934	80	1,678	-	-	-	163	-	-	12	-
Food processor for feeds	40	-	40	-	-	-	-	-	-	-	-
Hand tractor	-	-	-	-	-	-	-	-	-	-	-
Generator / solar	4,039	157	2,282	-	-	29	1,571	-	-	-	-
Boat	220	11	37	-	-	3	169	-	-	-	-
Car/motorcycle/tricycle/remork	1,638	-	1,638	-	-	-	-	-	-	-	-
Other aquaculture equipment	133	-	-	-	-	6	-	-	127	-	-

Note: Equipment may be owned directly by households or under joint ownership with other households or other entities.

Note: The most common items reported in the "other crop equipment" category were "Axe", "Hoe", and "Bush Knife".

Table A6.19 Number of Machinery and Equipment on Private Lease by Household Agricultural Holdings, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Crop Equipment											
Total	4,860	309	53	810	-	18	1,698	433	1,305	164	68
Tractor	287	-	-	-	-	-	248	-	-	-	39
Tractor implements	-	-	-	-	-	-	-	-	-	-	-
Rotary hoe	304	99	53	31	-	6	114	-	-	-	-
Knapsack sprayer	301	-	-	-	-	-	301	-	-	-	-
Mist blower	-	-	-	-	-	-	-	-	-	-	-
Weed eaters	-	-	-	-	-	-	-	-	-	-	-
Chainsaw	233	60	-	50	-	12	-	-	52	59	-
Other crop equipment	3,735	150	-	729	-	-	1,034	433	1,253	105	30
Fish Equipment											
Total	3,221	156	184	1,650	1,044	6	47	-	121	12	-
Boat with in-board engine	51	-	-	-	51	-	-	-	-	-	-
Boat with outboard engine	291	21	65	19	179	6	-	-	-	-	-
Canoe	2,831	114	119	1,631	786	-	47	-	121	12	-
Other fishing equipment	49	20	-	-	28	-	-	-	-	-	-
Transport											
Total	25	-	-	-	-	-	15	-	-	10	-
Van / truck / taxi (<2 tonnes)	15	-	-	-	-	-	15	-	-	-	-
Van / truck / taxi (2+ tonnes)	10	-	-	-	-	-	-	-	-	10	-
Other transport equipment	-	-	-	-	-	-	-	-	-	-	-
Energy											
Total	299	-	299	-	-	-	-	-	-	-	-
Electric generator	131	-	131	-	-	-	-	-	-	-	-
Others energy equipment	168	-	168	-	-	-	-	-	-	-	-
Livestock Equipment											
Total	151	-	-	-	-	-	151	-	-	-	-
Wheelbarrow	151	-	-	-	-	-	151	-	-	-	-
Other livestock equipment	-	-	-	-	-	-	-	-	-	-	-
Aquaculture Equipment											
Total	20	20	-	-	-	-	-	-	-	-	-
Aerator	-	-	-	-	-	-	-	-	-	-	-
Net	-	-	-	-	-	-	-	-	-	-	-
Food processor for feeds	-	-	-	-	-	-	-	-	-	-	-
Hand tractor	-	-	-	-	-	-	-	-	-	-	-
Generator / solar	20	20	-	-	-	-	-	-	-	-	-
Boat	-	-	-	-	-	-	-	-	-	-	-
Car / motorcycle / tricycle / remork	-	-	-	-	-	-	-	-	-	-	-
Other aquaculture equipment	-	-	-	-	-	-	-	-	-	-	-

Table A6.20 Number of Machinery and Equipment from Government by Household Agricultural Holdings, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Crop Equipment											
Total	1,735	-	-	327	-	-	402	-	969	37	-
Tractor	-	-	-	-	-	-	-	-	-	-	-
Tractor implements	-	-	-	-	-	-	-	-	-	-	-
Rotary hoe	99	-	-	-	-	-	99	-	-	-	-
Knapsack sprayer	-	-	-	-	-	-	-	-	-	-	-
Mist blower	-	-	-	-	-	-	-	-	-	-	-
Weed eaters	-	-	-	-	-	-	-	-	-	-	-
Chainsaw	19	-	-	19	-	-	-	-	-	-	-
Other crop equipment	1,616	-	-	308	-	-	303	-	969	37	-
Fish Equipment											
Total	3,755	35	879	1,586	928	-	170	107	50	-	-
Boat with in-board engine	195	-	34	19	35	-	-	107	-	-	-
Boat with outboard engine	910	-	810	-	101	-	-	-	-	-	-
Canoe	2,451	35	34	1,567	765	-	-	-	50	-	-
Other fishing equipment	198	-	-	-	28	-	170	-	-	-	-
Transport											
Total	142	-	-	-	-	-	35	107	-	-	-
Van / truck / taxi (<2 tonnes)	35	-	-	-	-	-	35	-	-	-	-
Van / truck / taxi (2+ tonnes)	-	-	-	-	-	-	-	-	-	-	-
Other transport equipment	107	-	-	-	-	-	-	107	-	-	-
Energy											
Total	209	-	33	-	-	-	69	107	-	-	-
Electric generator	33	-	33	-	-	-	-	-	-	-	-
Others energy equipment	176	-	-	-	-	-	69	107	-	-	-
Livestock Equipment											
Total	-	-	-	-	-	-	-	-	-	-	-
Wheelbarrow	-	-	-	-	-	-	-	-	-	-	-
Other livestock equipment	-	-	-	-	-	-	-	-	-	-	-
Aquaculture Equipment											
Total	-	-	-	-	-	-	-	-	-	-	-
Aerator	-	-	-	-	-	-	-	-	-	-	-
Net	-	-	-	-	-	-	-	-	-	-	-
Food processor for feeds	-	-	-	-	-	-	-	-	-	-	-
Hand tractor	-	-	-	-	-	-	-	-	-	-	-
Generator / solar	-	-	-	-	-	-	-	-	-	-	-
Boat	-	-	-	-	-	-	-	-	-	-	-
Car / motorcycle / tricycle / remork	-	-	-	-	-	-	-	-	-	-	-
Other aquaculture equipment	-	-	-	-	-	-	-	-	-	-	-

Table A6.21 Number of Machinery and Equipment Used by Household Agricultural Holdings and Sources, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennel Bellona	Guadalcanal	Malaika	Makira	Temotu	Honiara
Equipment Used											
Crop equipment used	360,030	30,323	62,244	26,566	326	422	94,105	84,713	23,697	24,619	13,014
Fishing equipment used	105,123	7,330	61,720	3,985	2,045	854	14,220	8,044	1,948	4,978	-
Transport used	2,684	130	435	-	-	49	1,643	311	50	67	-
Energy used	18,538	2,353	5,363	1,364	-	21	8,855	519	52	10	-
Livestock equipment used	6,660	58	1,329	90	14	21	2,368	1,807	66	68	838
Aquaculture equipment used	3,030	283	587	-	-	92	1,904	-	152	12	-
Equipment Owned											
Crop equipment owned	502,586	21,004	249,985	26,106	301	207	88,923	62,280	21,171	24,361	8,249
Fishing equipment owned	229,502	6,151	190,073	3,995	1,672	74	13,972	6,749	1,696	5,120	-
Transport owned	9,084	130	7,186	-	-	52	1,558	100	-	57	-
Energy owned	51,635	2,321	38,669	1,364	-	21	8,786	412	52	10	-
Livestock equipment owned	23,501	58	19,848	90	14	21	2,147	810	66	68	379
Aquaculture equipment owned	8,081	247	5,752	-	-	38	1,904	-	127	12	-
Equipment on Private Lease											
Crop equipment on private lease	4,860	309	53	810	-	18	1,698	433	1,305	164	68
Fishing equipment on private lease	3,221	156	184	1,650	1,044	6	47	-	121	12	-
Transport on private lease	25	-	-	-	-	-	15	-	-	10	-
Energy on private lease	299	-	299	-	-	-	-	-	-	-	-
Livestock equipment on private lease	151	-	-	-	-	-	151	-	-	-	-
Aquaculture equipment on private lease	20	20	-	-	-	-	-	-	-	-	-
Equipment from Government											
Crop equipment from government	1,735	-	-	327	-	-	402	-	969	37	-
Fishing equipment from government	3,755	35	879	1,586	928	-	170	107	50	-	-
Transport from government	142	-	-	-	-	-	35	107	-	-	-
Energy on from government	209	-	33	-	-	-	69	107	-	-	-
Livestock equipment from government	-	-	-	-	-	-	-	-	-	-	-
Aquaculture equipment from government	-	-	-	-	-	-	-	-	-	-	-

Detailed Statistical Tables for Chapter 7

Table A7.1 Total Number of Household Agricultural Holdings Owning Livestock by Type of Species, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Beef cattle											
Total	192	15	78	-	-	-	81	-	-	-	18
Calves (<6 months)	81	-	42	-	-	-	39	-	-	-	-
Steer (young male cattle: 6-24 mos.)	39	-	-	-	-	-	39	-	-	-	-
Heifer (young female cattle: 6-24 mos.)	39	-	-	-	-	-	39	-	-	-	-
Bull (adult male cattle)	155	15	42	-	-	-	81	-	-	-	18
Cow (adult female cattle)	177	-	78	-	-	-	81	-	-	-	18
Dairy cattle											
Total	135	-	71	-	-	-	-	33	16	15	-
Calves (<6 months)	-	-	-	-	-	-	-	-	-	-	-
Steer (young male cattle: 6-24 mos.)	-	-	-	-	-	-	-	-	-	-	-
Heifer (young female cattle: 6-24 mos.)	-	-	-	-	-	-	-	-	-	-	-
Bull (adult male cattle)	97	-	32	-	-	-	-	33	16	15	-
Cow (adult female cattle)	119	-	71	-	-	-	-	33	-	15	-
Pigs											
Total	32,912	1,639	3,401	3,011	563	6	8,669	8,757	2,281	3,627	960
Boar	22,617	1,033	2,411	1,749	486	-	6,168	6,425	1,655	1,994	697
Sow	26,204	1,160	2,706	2,109	532	6	7,393	7,151	1,803	2,932	411
Piglet	5,561	211	377	402	197	-	1,653	1,686	485	380	172
Weaner	5,472	182	285	86	57	-	1,692	2,096	234	644	196
Barrow	2,784	-	89	315	16	-	737	541	205	826	55
Horses											
Total	-	-	-	-	-	-	-	-	-	-	-
Male horse	-	-	-	-	-	-	-	-	-	-	-
Female horse	-	-	-	-	-	-	-	-	-	-	-
Chickens											
Total	20,289	2,476	2,309	1,429	644	307	3,437	3,211	3,442	2,405	628
Broiler	1,124	9	158	-	13	12	369	288	176	-	99
Egg layer	1,314	-	152	44	-	-	288	346	408	-	76
Male rooster	17,090	2,327	1,959	1,247	619	301	2,443	2,365	3,135	2,210	483
Female hen	18,072	2,403	2,057	1,236	614	290	2,940	2,692	3,100	2,287	453
Chickens - domestic breeds											
Total	18,983	2,476	2,091	1,408	644	301	3,088	2,741	3,345	2,405	483
Male rooster	17,090	2,327	1,959	1,247	619	301	2,443	2,365	3,135	2,210	483
Female hen	18,072	2,403	2,057	1,236	614	290	2,940	2,692	3,100	2,287	453
Ducks											
Total	1,408	160	99	59	12	-	149	504	190	24	211

Table A7.2 Total Number of Livestock by Type of Species, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Beef cattle											
Total	1,401	15	412	-	-	-	830	-	-	-	143
Calves (<6 months)	158	-	42	-	-	-	116	-	-	-	-
Steer (young male cattle: 6-24 months)	116	-	-	-	-	-	116	-	-	-	-
Heifer (young female cattle: 6-24 months)	155	-	-	-	-	-	155	-	-	-	-
Bull (adult male cattle)	314	15	42	-	-	-	203	-	-	-	54
Cow (adult female cattle)	657	-	329	-	-	-	239	-	-	-	89
Dairy cattle											
Total	772	-	614	-	-	-	-	66	16	76	-
Calves (<6 months)	-	-	-	-	-	-	-	-	-	-	-
Steer (young male cattle: 6-24 months)	-	-	-	-	-	-	-	-	-	-	-
Heifer (young female cattle: 6-24 months)	-	-	-	-	-	-	-	-	-	-	-
Bull (adult male cattle)	112	-	32	-	-	-	-	33	16	30	-
Cow (adult female cattle)	660	-	582	-	-	-	-	33	-	46	-
Pigs											
Total	149,651	5,027	10,882	9,528	5,244	6	42,773	44,576	14,517	12,879	4,220
Boar	45,722	1,422	3,767	3,183	1,933	-	12,760	12,988	5,299	3,188	1,182
Sow	56,616	2,041	4,343	3,966	1,806	6	15,980	17,598	4,571	5,501	804
Piglet	26,325	1,206	1,026	1,462	1,138	-	8,002	8,041	2,371	1,380	1,698
Weaner	15,257	357	1,596	314	288	-	4,618	4,940	1,408	1,267	469
Barrow	5,732	-	150	603	79	-	1,414	1,009	868	1,542	68
Chickens											
Total	321,907	28,776	39,301	17,729	16,908	5,070	66,849	44,453	42,224	23,853	36,746
Broiler	68,383	19	817	-	76	943	36,642	10,341	1,193	-	18,354
Egg layer	23,004	-	1,459	89	-	-	3,910	2,121	2,308	-	13,116
Male rooster	88,489	13,014	13,814	7,975	5,446	1,528	7,989	10,310	16,116	9,524	2,774
Female hen	142,032	15,744	23,210	9,665	11,385	2,599	18,309	21,681	22,608	14,329	2,503
Chickens - domestic breeds											
Total	230,520	28,757	37,024	17,640	16,831	4,128	26,297	31,991	38,723	23,853	5,276
Male rooster	88,489	13,014	13,814	7,975	5,446	1,528	7,989	10,310	16,116	9,524	2,774
Female hen	142,032	15,744	23,210	9,665	11,385	2,599	18,309	21,681	22,608	14,329	2,503
Ducks											
Total	13,445	1,408	975	95	137	-	1,213	6,806	1,666	169	976

Table A7.3 Total Number of Household Agricultural Holdings Owning Chickens by Ranges, by Province: 2017

	Chickens							Domestic breeds						
	Total	1 – 4	5 – 9	10 – 19	20 – 49	50 – 99	100+	Total	1 – 4	5 – 9	10 – 19	20 – 49	50 – 99	100+
Total	20,289	11,721	5,088	2,301	799	199	181	18,983	11,511	4,679	2,040	678	75	-
Choiseul	2,476	1,547	531	241	157	-	-	2,476	1,547	531	241	157	-	-
Western	2,309	1,189	672	205	210	32	-	2,091	1,086	584	178	210	32	-
Isabel	1,429	750	377	213	90	-	-	1,408	706	377	236	90	-	-
Central	644	270	158	167	12	36	-	644	270	158	167	12	36	-
Rennell Bellona	307	179	88	23	5	6	6	301	185	88	23	5	-	-
Guadalcanal	3,437	2,078	895	272	69	87	35	3,088	2,089	798	177	25	-	-
Malaita	3,211	1,832	795	433	87	31	31	2,741	1,685	673	341	41	-	-
Makira	3,442	1,936	992	424	90	-	-	3,345	2,015	885	354	90	-	-
Temotu	2,405	1,713	388	268	29	6	-	2,405	1,713	388	268	29	6	-
Honiara	628	226	190	55	48	-	109	483	214	196	55	19	-	-

Table A7.4 Total Number of Household Agricultural Holdings Owning Beef and Dairy Cattle by Ranges, by Province: 2017

	Beef cattle							Dairy cattle						
	Total	1 - 4	5 - 9	10 - 19	20 - 49	50 - 99	100+	Total	1 - 4	5 - 9	10 - 19	20 - 49	50 - 99	100+
Total	192	192	-	-	-	-	-	135	135	-	-	-	-	-
Choiseul	15	15	-	-	-	-	-	-	-	-	-	-	-	-
Western	78	78	-	-	-	-	-	71	71	-	-	-	-	-
Isabel	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Central	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rennell Bellona	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guadalcanal	81	81	-	-	-	-	-	-	-	-	-	-	-	-
Malaita	-	-	-	-	-	-	-	33	33	-	-	-	-	-
Makira	-	-	-	-	-	-	-	16	16	-	-	-	-	-
Temotu	-	-	-	-	-	-	-	15	15	-	-	-	-	-
Honiara	18	18	-	-	-	-	-	-	-	-	-	-	-	-

Table A7.5 Number of Each Type of Livestock Species Sold, by Province: 2017

	Livestock Type											
	Total	Beef cattle	Dairy cattle	Boar	Sow	Piglet	Weaner	Barrow	Sheep	Goats	Chickens	Ducks
Total	103,124	333	84	15,302	9,466	6,040	2,441	728	-	1,128	63,488	4,114
Choiseul	10,470	-	-	464	453	722	272	-	-	-	8,560	-
Western	8,939	241	-	920	847	59	-	37	-	-	6,836	-
Isabel	5,597	-	-	548	297	768	109	63	-	-	3,812	-
Central	5,453	-	-	528	204	80	38	-	-	-	4,602	-
Rennell Bellona	118	-	-	-	-	-	-	-	-	-	118	-
Guadalcanal	16,548	-	84	2,369	2,391	828	1,846	257	-	-	8,690	84
Malaita	27,762	92	-	7,040	3,394	2,133	-	-	-	1,128	11,112	2,862
Makira	10,681	-	-	1,962	643	631	20	100	-	-	6,782	543
Temotu	5,058	-	-	1,071	709	611	107	271	-	-	2,289	-
Honiara	12,499	-	-	399	529	209	49	-	-	-	10,687	626

Table A7.6 Value of Each Type of Livestock Species Sold (\$SI), by Province: 2017

	Livestock Type											
	Total	Beef cattle	Dairy cattle	Boar	Sow	Piglet	Weaner	Barrow	Sheep	Goats	Chickens	Ducks
Total	55,419,997	1,226,342	1,678,478	26,100,276	16,086,152	2,159,053	1,003,103	860,694	-	725,993	5,240,576	339,330
Choiseul	3,846,579	-	-	1,228,286	1,225,151	424,741	106,426	-	-	-	861,975	-
Western	5,637,551	949,649	-	1,967,849	2,078,213	29,364	-	36,748	-	-	575,727	-
Isabel	2,358,081	-	-	898,097	572,783	359,033	92,112	155,476	-	-	280,579	-
Central	1,690,044	-	-	767,445	329,880	40,204	19,082	-	-	-	533,432	-
Rennell Bellona	17,481	-	-	-	-	-	-	-	-	-	17,481	-
Guadalcanal	17,682,213	-	1,678,478	8,975,230	4,920,740	271,539	639,987	332,295	-	-	855,531	8,412
Malaita	15,619,271	276,692	-	8,592,308	4,560,084	563,084	-	-	-	725,993	733,681	167,429
Makira	3,571,108	-	-	1,835,527	737,382	275,949	28,129	120,554	-	-	516,817	56,750
Temotu	2,243,547	-	-	1,102,154	674,928	90,853	19,215	215,621	-	-	140,775	-
Honiara	2,754,121	-	-	733,379	986,991	104,285	98,151	-	-	-	724,576	106,739

Table A7.7 Number of Each Type of Livestock Species Lost/Died, by Province: 2017

	Total	Livestock Type										
		Beef cattle	Dairy cattle	Boar	Sow	Piglet	Weaner	Barrow	Sheep	Goats	Chickens	Ducks
Total	56,485	-	42	5,172	3,650	4,447	218	417	-	63	41,427	1,049
Choiseul	1,785	-	-	21	9	32	-	-	-	-	1,722	-
Western	6,986	-	-	686	753	59	88	-	-	-	5,401	-
Isabel	1,797	-	-	80	83	340	-	-	-	-	1,294	-
Central	1,662	-	-	59	-	-	-	-	-	-	1,602	-
Rennell Bellona	224	-	-	-	-	-	-	-	-	-	224	-
Guadalcanal	11,080	-	42	541	699	1,507	130	382	-	-	7,779	-
Malaita	13,396	-	-	3,229	1,648	1,735	-	-	-	-	5,924	860
Makira	11,408	-	-	255	144	391	-	-	-	-	10,430	189
Temotu	1,913	-	-	300	279	302	-	35	-	63	934	-
Honiara	6,234	-	-	-	36	83	-	-	-	-	6,116	-

Table A7.8 Value of Each Type of Livestock Species Lost/Died (\$SI), by Province: 2017

	Total	Livestock Type										
		Beef cattle	Dairy cattle	Boar	Sow	Piglet	Weaner	Barrow	Sheep	Goats	Chickens	Ducks
Total	13,142,018	-	839,239	5,078,782	2,567,574	1,251,085	96,056	91,833	-	3,154	3,091,170	123,125
Choiseul	504,712	-	-	316,375	13,980	16,057	-	-	-	-	158,300	-
Western	1,238,713	-	-	435,221	463,355	29,364	44,046	-	-	-	266,727	-
Isabel	638,029	-	-	291,795	173,650	158,090	-	-	-	-	14,494	-
Central	261,170	-	-	90,591	-	-	-	-	-	-	170,579	-
Rennell Bellona	35,361	-	-	-	-	-	-	-	-	-	35,361	-
Guadalcanal	2,788,547	-	839,239	694,979	359,860	234,155	52,010	80,639	-	-	527,664	-
Malaita	5,056,049	-	-	2,783,379	1,254,812	557,588	-	-	-	-	380,565	79,704
Makira	1,699,357	-	-	349,106	150,592	167,200	-	-	-	-	989,038	43,421
Temotu	362,983	-	-	117,336	122,734	47,274	-	11,195	-	3,154	61,291	-
Honiara	557,099	-	-	-	28,590	41,357	-	-	-	-	487,152	-

Table A7.9 Household Agricultural Holdings using Castration by Livestock Species, by Province: 2017

	Livestock Type				
	Cattle	Goat	Pig	Chicken/Duck	Horse
Total	42	-	5,135	-	-
Choiseul	-	-	-	-	-
Western	-	-	-	-	-
Isabel	-	-	1,113	-	-
Central	-	-	77	-	-
Rennell Bellona	-	-	-	-	-
Guadalcanal	42	-	1,191	-	-
Malaita	-	-	2,283	-	-
Makira	-	-	52	-	-
Temotu	-	-	359	-	-
Honiara	-	-	61	-	-

Table A7.10 Household Agricultural Holdings using Artificial Insemination by Livestock Species, by Province: 2017

	Livestock Type				
	Cattle	Goat	Pig	Chicken/Duck	Horse
Total	-	-	214	-	-
Choiseul	-	-	-	-	-
Western	-	-	-	-	-
Isabel	-	-	-	-	-
Central	-	-	-	-	-
Rennell Bellona	-	-	-	-	-
Guadalcanal	-	-	62	-	-
Malaita	-	-	152	-	-
Makira	-	-	-	-	-
Temotu	-	-	-	-	-
Honiara	-	-	-	-	-

Detailed Statistical Tables for Chapter 8

Table A8.1 Number of Households Involved in Aquaculture by Area Size (square meters), by Province: 2017

Type of Aquaculture Activity	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total											
Total households	955	116	321	16	29	-	350	47	20	12	43
0 – 19 (sq meters)	628	9	257	16	16	-	263	47	20	-	-
20 – 49 (sq meters)	33	-	-	-	-	-	33	-	-	-	-
50 – 99 (sq meters)	34	21	-	-	-	-	-	-	-	12	-
100+ (sq meters)	260	86	64	-	13	-	54	-	-	-	43
Pond culture											
Total households	586	9	148	-	-	-	350	47	20	12	-
0 – 19 (sq meters)	457	9	118	-	-	-	263	47	20	-	-
20 – 49 (sq meters)	33	-	-	-	-	-	33	-	-	-	-
50 – 99 (sq meters)	12	-	-	-	-	-	-	-	-	12	-
100+ (sq meters)	84	-	29	-	-	-	54	-	-	-	-
Pen culture											
Total households	29	-	29	-	-	-	-	-	-	-	-
0 – 19 (sq meters)	29	-	29	-	-	-	-	-	-	-	-
20 – 49 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
50 – 99 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
100+ (sq meters)	-	-	-	-	-	-	-	-	-	-	-
Cage culture											
Total households	-	-	-	-	-	-	-	-	-	-	-
0 – 19 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
20 – 49 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
50 – 99 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
100+ (sq meters)	-	-	-	-	-	-	-	-	-	-	-
Rice-cum-fish culture											
Total households	-	-	-	-	-	-	-	-	-	-	-
0 – 19 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
20 – 49 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
50 – 99 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
100+ (sq meters)	-	-	-	-	-	-	-	-	-	-	-
Hatchery / nursery											
Total households	43	-	-	-	-	-	-	-	-	-	43
0 – 19 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
20 – 49 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
50 – 99 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
100+ (sq meters)	43	-	-	-	-	-	-	-	-	-	43
Other											
Total households	296	107	144	16	29	-	-	-	-	-	-
0 – 19 (sq meters)	142	-	110	16	16	-	-	-	-	-	-
20 – 49 (sq meters)	-	-	-	-	-	-	-	-	-	-	-
50 – 99 (sq meters)	21	21	-	-	-	-	-	-	-	-	-
100+ (sq meters)	133	86	34	-	13	-	-	-	-	-	-

Table A8.2 Number of Households Involved in Aquaculture by Type of Water Used by Area Size (square meters): 2017

Type of Aquaculture Activity	Total					Type of Water Used														
	Total	0-19	20-49	50-99	100+	Marine water					Brackish water					Freshwater				
						Total	0-19	20-49	50-99	100+	Total	0-19	20-49	50-99	100+	Total	0-19	20-49	50-99	100+
Total	955	628	33	34	260	323	125	-	21	176	121	109	-	12	-	510	394	33	-	84
Pond culture	586	457	33	12	84	-	-	-	-	-	121	109	-	12	-	465	348	33	-	84
Pen culture	29	29	-	-	-	-	-	-	-	-	-	-	-	-	-	29	29	-	-	-
Cage culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rice-cum-fish culture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hatchery / nursery	43	-	-	-	43	43	-	-	-	43	-	-	-	-	-	-	-	-	-	-
Other	296	142	-	21	133	280	125	-	21	133	-	-	-	-	-	16	16	-	-	-

Table A8.3 Number of Households Involved in Aquaculture by Type of Production Facility, and Main Species Cultured, by Type of Aquaculture Activity: 2017

Type of production facility	Total	Type of Aquaculture Activity					
		Pond culture	Pen culture	Cage culture	Rice-cum-fish culture	Hatchery / nursery	Other
Total	955	586	29	-	-	43	296
Pond	716	586	29	-	-	43	58
Pen	34	-	-	-	-	-	34
Cage	-	-	-	-	-	-	-
Paddy field	16	-	-	-	-	-	16
Culver / tank / drum / aquarium	68	-	-	-	-	-	68
Missing	120	-	-	-	-	-	120
Main species cultured							
Total	955	586	29	-	-	43	296
Fish	629	544	29	-	-	-	55
Shrimp / prawn	-	-	-	-	-	-	-
Crab	-	-	-	-	-	-	-
Frog	-	-	-	-	-	-	-
Crocodile	-	-	-	-	-	-	-
Seaweeds	123	-	-	-	-	-	123
Other species	203	42	-	-	-	43	119
Missing	-	-	-	-	-	-	-

Table A8.4 Total Area (square meters) Used in Aquaculture Activity, by Province: 2017

	Total	Type of aquaculture activity					
		Pond culture	Pen culture	Cage culture	Rice-cum-fish culture	Hatchery / nursery	Other
Total	102,912	23,032	14	-	-	4,316	75,550
Choiseul	66,050	0	-	-	-	-	66,050
Western	8,698	5,130	14	-	-	-	3,554
Isabel	120	-	-	-	-	-	120
Central	5,826	-	-	-	-	-	5,826
Rennell Bellona	-	-	-	-	-	-	-
Guadalcanal	15,957	15,957	-	-	-	-	-
Malaita	847	847	-	-	-	-	-
Makira	3	3	-	-	-	-	-
Temotu	1,095	1,095	-	-	-	-	-
Honiara	4,316	-	-	-	-	4,316	-

Detailed Statistical Tables for Chapter 9

Table A9.1 Total Number of Trees and Plants, by Province: 2017

Trees/Plants	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Total	13,228,142	554,243	4,239,743	526,564	66,104	29,932	2,364,984	3,474,680	715,599	966,173	290,121
Aerial Yam	135	-	-	-	-	-	135	-	-	-	-
Alite	4,588	107	-	-	-	379	1,892	613	109	1,446	43
Antherium	6,842	-	-	-	-	-	-	-	-	-	6,842
Avocado	2,174	70	-	-	-	55	1,641	143	-	263	-
Banana	125,911	-	-	-	-	6,326	82,003	27,570	10,012	-	-
Betelnut	433,666	42,777	-	-	-	109	237,218	111,138	30,494	11,930	-
Black pepper	-	-	-	-	-	-	-	-	-	-	-
Boneo	57,439	614	-	-	-	-	29,714	15,907	8,836	2,368	-
Bread Fruit	26,605	124	-	-	-	841	3,730	1,107	1,034	19,771	-
Capsicum	3,014	-	-	-	-	-	3,014	-	-	-	-
Carabola (Star fruit)	10,085	469	-	-	-	68	6,911	2,051	586	-	-
Cardamom	-	-	-	-	-	-	-	-	-	-	-
Cassava	100,377	-	-	-	-	-	81,825	15,393	3,160	-	-
Chestnut	52	20	-	-	-	-	-	-	-	32	-
Chillies	5,925	-	-	-	-	-	4,197	1,696	32	-	-
Chinese Vegetable	9,680	-	-	-	-	-	9,680	-	-	-	-
Cocoa	463,744	7,603	1,276	-	-	6	145,200	196,953	112,705	-	-
Coconut	677,768	11,657	4,133	-	13	7,536	192,743	228,269	233,040	377	-
Coffee	-	-	-	-	-	-	-	-	-	-	-
Croton	64,245	4,119	-	-	-	6	40,860	7,319	5,010	516	6,416
Crown of thorns	80,430	-	-	-	-	-	14,708	3,027	2,228	41	60,426
Cucumber	-	-	-	-	-	-	-	-	-	-	-
Cut nut	74,518	4,706	-	-	-	1,849	46,642	13,530	3,920	3,871	-
Durian	-	-	-	-	-	-	-	-	-	-	-
Edu	2,282	-	-	-	-	-	-	2,282	-	-	-
Eggplant	13,437	-	-	-	-	-	9,894	2,917	625	-	-
Fern	826	-	-	-	-	-	826	-	-	-	-
Ginger	5,503	-	-	-	-	-	351	4,530	622	-	-
Ginger	7,166	-	-	-	-	-	-	7,166	-	-	-
Guava	30,423	334	-	-	-	219	19,143	9,325	1,403	-	-
Head Cabbage	-	-	-	-	-	-	-	-	-	-	-
Heliconia	94,223	339	-	-	-	-	11,332	7,667	1,288	-	73,598
Inkori (Uli)	9,350	187	-	-	-	451	5,385	2,408	156	764	-
Jackfruit	787	67	-	-	-	-	709	-	-	11	-
Kakake	13,534	-	-	-	-	-	-	-	13,218	317	-
Kang Kong	-	-	-	-	-	-	-	-	-	-	-
Kava	9,043	-	-	-	-	-	-	-	-	9,043	-
Kongkong	69,735	-	-	-	-	-	1,362	67,676	698	-	-
Kumara	55,341	-	-	-	-	-	45,956	7,035	2,350	-	-
Land Cress	-	-	-	-	-	-	-	-	-	-	-
Lemon	17,944	59	-	-	-	142	11,410	6,230	103	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-
Malayan Apple	21,371	66	-	-	-	707	12,953	6,283	347	998	17
Mandarin	26,097	2,453	-	-	-	10	22,639	444	350	201	-
Mango	14,820	192	-	-	-	284	11,941	1,540	235	629	-
Mangosteen	-	-	-	-	-	-	-	-	-	-	-
Mushroom	-	-	-	-	-	-	-	-	-	-	-
Ngali Nut	12,090	4,706	1,503	445	-	-	3,579	1,071	483	303	-

Table A9.1 Cont. Total Number of Trees and Plants, by Province: 2017

Trees/Plants	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Ofen'a	13,620	-	-	-	-	-	84	13,040	495	-	-
Oil Palm	420	-	-	-	-	-	391	-	-	-	30
Okra	-	-	-	-	-	-	-	-	-	-	-
Orange	15,406	536	-	-	-	33	12,937	1,232	567	100	-
Orchids	70,190	698	-	-	-	1,957	26,553	12,667	806	114	27,396
Pana	7,729	-	-	-	-	-	5,614	-	2,115	-	-
Passion Fruit	163	-	-	-	-	-	-	163	-	-	-
Pawpaw	57,094	-	-	-	-	5,341	33,862	16,074	1,816	-	-
Peanut	1,682	-	-	-	-	-	1,682	-	-	-	-
Pineapple	60,651	-	-	-	-	44	38,366	17,608	4,633	-	-
Pitpit	-	-	-	-	-	-	-	-	-	-	-
Pomelo	4,551	656	-	-	-	13	3,313	313	255	-	-
Pumpkin	2,365	-	-	-	-	-	1,031	1,231	-	103	-
Radish	-	-	-	-	-	-	-	-	-	-	-
Rambutan	4,648	917	-	-	-	-	2,857	874	-	-	-
Sand Paper (Amau)	796	-	-	-	-	-	-	588	-	-	208
Shallot	-	-	-	-	-	-	-	-	-	-	-
Slippery Cabbage	50,342	-	-	-	-	209	30,989	17,585	1,559	-	-
Soursop	11,193	15	-	-	-	132	7,150	3,284	284	83	244
Taro	7,778	-	-	-	-	-	2,166	5,166	447	-	-
Tomato	5,373	-	-	-	-	-	5,373	-	-	-	-
Turmeric	-	-	-	-	-	-	-	-	-	-	-
Turnip	3,997	-	-	-	-	-	-	-	-	3,997	-
Vanilla	254	-	-	-	254	-	-	-	-	-	-
Vine Tree	672	-	-	-	-	569	-	103	-	-	-
Water Cress	-	-	-	-	-	-	-	-	-	-	-
Yam	2,612	-	-	-	-	-	615	-	1,997	-	-
Other (specify)	10,298,265	470,753	4,232,830	526,119	65,221	1,916	1,132,406	2,593,826	267,583	892,710	114,902

Note: "Teak tree", "Mahogany tree", and "Army tree" make up a substantial portion of reported descriptions in "Other (specify)"

Table A9.2 Total Number of Household Agricultural Holdings Growing Trees, by Main Use: 2017

Trees/shrubs	Use of trees												
	Source of food and/or income	Support for crops	Soil improvement and protection	Timber	High value wood	Fuel	Shade / shelter	Boundaries	Handicrafts	Medicinal	Conservation	Ornamental	Missing
Total	31,091	1,895	1,589	13,921	6,587	95	340	11,341	293	4,633	562	8,152	439
Aerial Yam	-	-	-	-	-	-	-	-	-	-	-	45	-
Alite	688	22	45	-	-	-	20	178	-	338	134	39	-
Antherium	-	-	-	-	-	-	-	-	-	-	-	514	-
Avocado	226	-	-	-	-	-	-	6	-	-	35	-	-
Banana	7,516	39	79	-	-	25	-	550	-	40	-	2	-
Betelnut	7,180	-	-	-	-	-	-	691	-	34	-	8	-
Black pepper	-	-	-	-	-	-	-	-	-	-	-	-	-
Boneo	987	65	-	-	-	-	-	745	-	-	35	25	-
Bread Fruit	2,328	-	49	-	-	-	-	153	-	-	-	-	-
Capsicum	186	-	-	-	-	-	-	-	-	-	-	-	-
Carabola (Star fruit)	3,615	72	53	-	-	-	-	153	-	-	7	-	-
Cardamom	-	-	-	-	-	-	-	-	-	-	-	-	-
Cassava	2,152	27	-	-	-	-	-	94	-	-	-	-	-
Chestnut	27	-	-	-	-	-	-	-	-	-	-	-	-
Chillies	573	-	-	-	-	-	-	-	-	107	-	-	-
Chinese Vegetable	224	-	-	-	-	-	-	-	-	-	-	-	-

Table A9.2 Cont. Total Number of Household Agricultural Holdings Growing Trees, by Main Use: 2017

Trees/shrubs	Use of trees												
	Source of food and/or income	Support for crops	Soil improvement and protection	Timber	High value wood	Fuel	Shade / shelter	Boundaries	Handicrafts	Medicinal	Conservation	Ornamental	Missing
Cocoa	3,496	90	218	46		-	-	238	-	-	4	-	-
Coconut	11,052	136	-	46	46	-	-	3,377	37	42	-	47	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-
Croton	324	53	77	-	-	-	-	882	-	-	-	2,432	42
Crown of thorns	-	65	-	-	-	-	-	654	-	-	-	3,429	-
Cucumber	-	-	-	-	-	-	-	-	-	-	-	-	-
Cut nut	10,157	185	39	-	-	-	82	1,367	-	204	-	-	-
Durian	-	-	-	-	-	-	-	-	-	-	-	-	-
Edu	259	-	-	-	-	-	-	-	-	-	-	-	-
Eggplant	1,223	14	-	-	-	-	-	-	-	-	-	-	-
Fern	39	-	-	-	-	-	-	-	-	-	-	50	-
Ginger	259	-	-	-	-	-	-	-	-	52	-	107	-
Ginger	288	-	-	-	-	-	-	-	-	-	-	-	-
Guava	6,569	211	-	-	-	-	-	119	-	754	10	-	-
Head Cabbage	-	-	-	-	-	-	-	-	-	-	-	-	-
Heliconia	39	65	141	-	-	-	-	194	39	-	-	2,142	-
Inkori (Uli)	2,934	-	-	-	-	-	-	172	-	-	14	-	-
Jackfruit	251	-	-	-	-	-	-	119	-	-	-	-	-
Kakake	144	-	-	-	-	-	-	-	-	-	-	-	-
Kang Kong	-	-	-	-	-	-	-	-	-	-	-	-	-
Kava	155	-	12	-	-	-	-	-	-	-	-	-	-
Kongkong	414	-	-	-	-	-	-	-	-	-	-	-	65
Kumara	1,191	-	-	-	-	-	-	-	-	-	-	-	-
Land Cress	-	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	3,533	47	4	-	-	-	-	195	-	1,581	6	61	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-	-	-
Malayan Apple	5,656	130	7	24	-	-	-	428	-	17	20	73	-
Mandarin	2,565	-	-	-	-	-	-	88	-	-	-	-	-
Mango	5,242	160	35	-	-	-	45	1,088	-	-	-	-	-
Mangosteen	-	-	-	-	-	-	-	-	-	-	-	-	-
Mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
Ngali Nut	2,179	82	-	-	-	-	-	207	-	57	-	-	-
Ofen'a	366	-	-	-	-	-	-	221	-	-	-	25	42
Oil Palm	-	-	45	-	-	-	-	35	-	-	-	30	-
Okra	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	3,231	91	-	-	-	-	-	173	-	54	-	-	-
Orchids	2	33	-	-	-	-	-	789	-	-	-	1,793	-
Pana	205	-	-	-	-	-	-	-	-	-	-	-	-
Passion Fruit	100	-	-	-	-	-	-	-	-	-	-	-	-
Pawpaw	7,438	15	-	-	-	-	-	-	-	1,057	-	61	-
Peanut	42	-	-	-	-	-	-	-	-	-	-	-	-
Pineapple	1,873	40	-	-	-	-	-	638	-	-	-	-	-
Pitpit	-	-	-	-	-	-	-	-	-	-	-	-	-
Pomelo	1,303	-	-	-	-	-	-	185	-	3	-	-	-
Pumpkin	518	-	-	-	-	-	-	10	-	-	-	-	-
Radish	-	-	-	-	-	-	-	-	-	-	-	-	-
Rambutan	1,376	-	-	-	-	-	-	57	-	-	-	-	-
Sand Paper (Amau)	120	-	-	-	-	-	-	-	-	-	-	-	-
Shallot	-	-	-	-	-	-	-	-	-	-	-	-	-
Slippery Cabbage	2,148	-	-	-	-	-	-	-	-	-	-	-	-
Soursop	1,840	141	15	-	-	-	-	298	-	514	-	61	-
Taro	520	-	-	-	-	-	-	34	-	-	-	-	-
Tomato	335	-	-	-	-	-	-	-	-	-	-	-	-
Turmeric	-	-	-	-	-	-	-	-	-	-	-	-	-
Turnip	-	-	-	-	-	-	-	84	-	-	-	-	-
Vanilla	13	-	-	-	-	-	-	-	-	-	-	-	-
Vine Tree	115	17	-	-	-	-	-	-	-	14	8	12	-
Water Cress	-	-	-	-	-	-	-	-	-	-	-	-	-
Yam	48	-	-	-	-	-	-	-	-	-	-	-	-
Other (specify)	5,630	387	903	13,372	6,290	71	192	1,997	203	447	320	2,005	25

Table A9.3 Number of Agricultural Households by Main Source of Loan, by Province: 2017

	Source of loan										
	Total	BSP	ANZ	Other banks	RCDF	SIG grant	Donor funded	NGO grants	Savings club	NPF	Other sources
Total	525	126	-	-	-	61	-	-	287	-	52
Choiseul	-	-	-	-	-	-	-	-	-	-	-
Western	275	17	-	-	-	-	-	-	232	-	26
Isabel	17	17	-	-	-	-	-	-	-	-	-
Central	-	-	-	-	-	-	-	-	-	-	-
Rennell Bellona	-	-	-	-	-	-	-	-	-	-	-
Guadalcanal	150	35	-	-	-	61	-	-	54	-	-
Malaita	31	31	-	-	-	-	-	-	-	-	-
Makira	-	-	-	-	-	-	-	-	-	-	-
Temotu	-	-	-	-	-	-	-	-	-	-	-
Honiara	52	26	-	-	-	-	-	-	-	-	26

Table A9.4 Amount Loaned (\$SI) by Agricultural Households by Main Source of Loan, by Province: 2017

	Source of loan										
	Total	BSP	ANZ	Other banks	RCDF	SIG grant	Donor funded	NGO grants	Savings club	NPF	Other sources
Total	3,297,859	943,327	-	-	-	914,438	-	-	1,270,555	-	169,539
Choiseul	-	-	-	-	-	-	-	-	-	-	-
Western	1,096,711	496	-	-	-	-	-	-	1,003,700	-	92,515
Isabel	-	-	-	-	-	-	-	-	-	-	-
Central	-	-	-	-	-	-	-	-	-	-	-
Rennell Bellona	-	-	-	-	-	-	-	-	-	-	-
Guadalcanal	1,526,893	345,599	-	-	-	914,438	-	-	266,856	-	-
Malaita	391,835	391,835	-	-	-	-	-	-	-	-	-
Makira	-	-	-	-	-	-	-	-	-	-	-
Temotu	-	-	-	-	-	-	-	-	-	-	-
Honiara	282,421	205,397	-	-	-	-	-	-	-	-	77,024

Table A9.5 Number of Agricultural Households with Loans by Purpose of Loan, by Province: 2017

	Purpose of loan					
	Total	Agriculture inputs	Agricultural development	Marketing	Other	Missing
Total	525	166	139	122	81	17
Choiseul	-	-	-	-	-	-
Western	275	70	82	96	27	-
Isabel	17	-	-	-	-	17
Central	-	-	-	-	-	-
Rennell Bellona	-	-	-	-	-	-
Guadalcanal	150	96	-	-	54	-
Malaitha	31	-	31	-	-	-
Makira	-	-	-	-	-	-
Temotu	-	-	-	-	-	-
Honiara	52	-	26	26	-	-

Table A9.6 Number of Agricultural Households by First Choice of Drawbacks, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Agriculture - FIRST											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Lack of production inputs	38,413	1,788	5,646	2,714	1,807	77	10,795	7,639	4,969	2,002	977
Lack of source of finance	24,511	2,549	4,050	655	1,276	20	5,151	5,538	2,310	804	2,158
Lack of management skills	10,311	314	1,454	617	323	11	4,120	1,781	537	555	598
Lack of market	13,307	662	3,795	2,205	117	139	1,347	2,725	1,093	1,009	215
Lack of new technologies / infrastructure	5,964	393	505	111	359	461	2,154	915	371	182	512
Not applicable	18,611	224	2,079	451	1,607	-	431	8,081	29	248	5,462
Forestry - FIRST											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Lack of production inputs	18,870	1,237	4,826	943	261	349	4,842	4,129	583	1,653	46
Lack of source of finance	11,515	1,424	2,962	318	47	6	3,578	1,985	640	233	322
Lack of management skills	8,308	499	1,458	606	22	104	3,343	1,239	217	778	44
Lack of market	6,723	355	2,405	674	86	17	1,191	1,555	168	111	161
Lack of new technologies / infrastructure	5,260	832	525	86	44	209	1,715	962	544	288	54
Not applicable	60,441	1,584	5,354	4,127	5,029	23	9,327	16,809	7,157	1,737	9,293
Handicrafts - FIRST											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Lack of production inputs	7,809	522	4,357	355	53	178	494	645	238	946	21
Lack of source of finance	4,616	1,665	1,954	79	62	7	343	39	267	99	98
Lack of management skills	4,104	533	1,442	377	9	15	230	343	227	929	-
Lack of market	4,399	980	1,797	744	41	147	193	271	155	46	26
Lack of new technologies / infrastructure	2,728	243	1,004	38	-	29	170	802	416	25	-
Not applicable	87,461	1,988	6,974	5,161	5,324	331	22,568	24,578	8,005	2,755	9,776
Fisheries - FIRST											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Lack of production inputs	9,312	721	2,703	975	552	53	738	1,620	1,109	842	-
Lack of source of finance	8,439	1,459	3,829	274	672	9	581	561	798	255	-
Lack of management skills	3,566	371	1,104	168	296	5	537	315	242	529	-
Lack of market	10,920	1,529	3,408	2,016	99	73	914	1,187	714	980	-
Lack of new technologies / infrastructure	12,526	660	1,843	182	601	115	2,548	4,598	1,444	535	-
Not applicable	66,353	1,191	4,642	3,139	3,268	453	18,680	18,397	5,001	1,660	9,921
Livestock - FIRST											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Lack of production inputs	15,832	898	3,934	1,357	684	39	3,082	3,412	1,223	1,130	72
Lack of source of finance	10,829	1,559	2,799	350	93	13	2,353	2,141	893	515	114
Lack of management skills	5,986	368	1,804	369	139	29	1,298	972	623	325	59
Lack of market	6,454	892	2,377	1,320	56	51	641	363	285	424	44
Lack of new technologies / infrastructure	11,022	694	822	95	283	208	2,119	4,191	1,185	1,297	128
Not applicable	60,995	1,519	5,795	3,263	4,235	367	14,503	15,600	5,099	1,110	9,505

Table A9.7 Number of Agricultural Households by Second Choice of Drawbacks, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Agriculture - SECOND											
Total	92,506	5,706	15,451	6,303	3,882	708	23,566	18,598	9,280	4,553	4,459
Lack of production inputs	15,744	1,428	2,648	785	575	67	4,352	2,949	1,084	462	1,395
Lack of source of finance	30,984	1,033	5,845	1,675	1,281	50	7,206	6,921	4,189	1,670	1,114
Lack of management skills	25,523	1,084	4,673	1,724	1,428	19	6,777	4,647	2,600	1,787	785
Lack of market	8,188	921	772	586	233	465	2,484	1,085	1,031	431	182
Lack of new technologies / infrastructure	9,114	975	992	1,513	340	107	2,691	1,715	376	182	223
Not applicable	2,951	265	521	21	25	-	57	1,281	-	21	760
Forestry - SECOND											
Total	50,676	4,346	12,175	2,628	460	685	14,669	9,870	2,151	3,064	628
Lack of production inputs	7,312	771	1,651	387	53	162	2,686	1,034	229	313	26
Lack of source of finance	18,172	1,152	5,553	786	240	31	4,536	3,896	688	1,202	88
Lack of management skills	11,782	1,211	3,013	578	109	119	3,765	1,349	423	1,159	55
Lack of market	5,645	497	1,257	266	45	326	1,545	1,210	325	98	76
Lack of new technologies / infrastructure	4,963	512	483	468	13	46	2,123	703	486	130	-
Not applicable	2,802	203	218	142	-	2	15	1,678	-	161	383
Handicrafts - SECOND											
Total	23,656	3,943	10,556	1,593	165	376	1,429	2,101	1,304	2,046	145
Lack of production inputs	3,511	541	1,439	304	71	107	323	251	54	390	31
Lack of source of finance	6,794	853	3,340	227	66	42	469	407	609	756	26
Lack of management skills	6,736	1,211	3,400	291	14	44	346	466	363	602	-
Lack of market	3,571	933	1,107	296	14	180	149	422	243	209	19
Lack of new technologies / infrastructure	1,798	346	791	461	-	3	142	-	34	21	-
Not applicable	1,245	59	478	15	-	-	-	556	-	68	69
Fisheries - SECOND											
Total	44,836	4,739	12,917	3,615	2,220	255	5,360	8,282	4,308	3,141	-
Lack of production inputs	5,360	471	1,324	373	509	49	1,245	876	367	146	-
Lack of source of finance	11,520	1,336	3,872	933	546	17	1,510	1,101	1,308	898	-
Lack of management skills	10,945	1,364	3,839	672	436	19	1,002	1,169	1,590	854	-
Lack of market	7,901	692	1,337	351	443	130	833	2,670	711	735	-
Lack of new technologies / infrastructure	6,625	732	1,555	1,138	278	40	770	1,400	304	408	-
Not applicable	2,485	145	990	148	9	-	-	1,067	28	99	-
Livestock - SECOND											
Total	50,123	4,412	11,735	3,491	1,254	341	9,494	11,079	4,209	3,691	416
Lack of production inputs	5,739	833	1,000	287	220	64	1,618	702	677	300	37
Lack of source of finance	15,787	1,031	4,783	1,083	518	27	2,816	3,246	1,191	979	114
Lack of management skills	12,517	998	2,661	889	370	24	2,483	2,127	1,275	1,610	80
Lack of market	9,217	861	1,875	412	43	196	1,329	3,119	742	549	92
Lack of new technologies / infrastructure	4,618	521	700	634	103	30	1,248	814	325	243	-
Not applicable	2,245	167	716	187	-	-	-	1,072	-	9	93

Table A9.8 Number of Agricultural Households by Third Choice of Drawbacks, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Agriculture - THIRD											
Total	89,554	5,441	14,930	6,283	3,857	708	23,509	17,317	9,280	4,532	3,699
Lack of production inputs	15,095	1,042	2,862	1,323	803	460	4,248	2,051	1,095	799	414
Lack of source of finance	13,258	671	2,163	883	191	49	5,119	1,942	927	866	447
Lack of management skills	29,486	1,810	4,911	1,909	1,298	57	6,869	5,699	4,251	1,348	1,334
Lack of market	12,479	1,080	2,875	857	614	43	1,899	2,137	1,504	1,081	389
Lack of new technologies / infrastructure	14,563	778	705	777	817	98	5,026	4,287	1,480	339	257
Not applicable	4,673	60	1,414	534	135	-	348	1,201	24	99	858
Forestry - THIRD											
Total	47,874	4,143	11,957	2,485	460	683	14,654	8,192	2,151	2,903	245
Lack of production inputs	9,461	621	1,938	659	90	141	3,377	1,748	464	379	44
Lack of source of finance	7,590	693	1,518	298	26	22	2,606	1,180	430	754	63
Lack of management skills	12,349	903	4,097	603	150	104	3,594	1,864	406	593	36
Lack of market	7,924	1,021	1,806	288	101	90	1,820	2,013	255	469	60
Lack of new technologies / infrastructure	8,329	789	1,491	444	80	319	3,190	979	596	441	-
Not applicable	2,222	118	1,108	193	13	8	66	408	-	267	42
Handicrafts - THIRD											
Total	22,411	3,884	10,078	1,578	165	376	1,429	1,545	1,304	1,977	75
Lack of production inputs	4,261	519	1,820	623	27	75	252	273	468	204	-
Lack of source of finance	3,590	599	1,623	234	22	36	217	59	183	615	-
Lack of management skills	4,893	1,077	2,294	296	48	167	409	145	175	272	12
Lack of market	5,371	1,057	2,244	180	40	43	179	753	268	589	19
Lack of new technologies / infrastructure	2,286	584	625	229	27	54	373	166	210	17	-
Not applicable	2,009	47	1,472	16	-	-	-	148	-	281	45
Fisheries - THIRD											
Total	42,464	4,595	12,040	3,467	2,212	255	5,360	7,215	4,280	3,042	-
Lack of production inputs	7,204	706	2,111	624	433	136	1,021	1,198	644	331	-
Lack of source of finance	8,665	821	1,805	530	132	19	1,357	1,766	1,324	911	-
Lack of management skills	10,175	1,357	3,037	679	651	27	1,140	1,471	934	878	-
Lack of market	8,031	1,095	3,194	172	365	27	992	959	653	574	-
Lack of new technologies / infrastructure	5,216	557	787	462	630	46	717	1,143	724	149	-
Not applicable	3,174	60	1,106	999	-	-	133	677	-	198	-
Livestock - THIRD											
Total	47,878	4,245	11,019	3,305	1,254	341	9,494	10,007	4,209	3,682	323
Lack of production inputs	8,254	765	1,719	671	254	159	1,448	1,762	802	630	44
Lack of source of finance	8,898	824	2,043	693	70	30	1,678	1,528	1,091	863	77
Lack of management skills	14,106	1,134	3,517	864	596	58	3,512	2,129	988	1,207	100
Lack of market	7,053	875	2,009	229	120	34	1,264	1,139	651	652	81
Lack of new technologies / infrastructure	7,756	567	1,151	420	197	58	1,527	2,877	678	280	-
Not applicable	1,812	80	580	428	17	2	65	570	-	49	21

Detailed Statistical Tables for Chapter 10

Table A10.1 Number of Household Agricultural Holdings by Level of Food Security, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Worried would run out of food because of lack of money or other resources											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Yes	62,863	4,450	5,397	3,251	2,726	486	17,723	15,256	2,695	3,284	7,596
No	47,705	1,471	12,094	3,484	2,763	216	6,192	11,047	6,614	1,517	2,307
Don't know	124	9	39	19	-	6	33	-	-	-	18
Refused	425	-	-	-	-	-	50	376	-	-	-
Unable to eat healthy and nutritious food because of lack of money or other resources											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Yes	46,066	3,156	3,641	1,344	1,353	379	15,265	10,512	2,072	3,352	4,992
No	64,551	2,760	13,850	5,378	4,061	329	8,627	16,005	7,236	1,377	4,929
Don't know	248	15	39	33	34	-	54	-	-	73	-
Refused	253	-	-	-	41	-	50	162	-	-	-
Ate only a few foods because of lack of money or other resources											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Yes	45,996	4,137	4,095	1,089	1,198	351	15,366	9,102	1,662	3,351	5,645
No	64,436	1,779	13,435	5,653	4,278	357	8,543	17,076	7,646	1,408	4,260
Don't know	245	-	-	12	12	-	39	124	-	41	16
Refused	440	15	-	-	-	-	50	376	-	-	-
Had to skip a meal because there was not enough money or other resources to get food											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Yes	36,966	3,315	3,284	1,028	1,049	303	13,596	7,152	1,257	2,872	3,109
No	73,607	2,615	14,245	5,726	4,427	402	10,312	19,139	8,052	1,877	6,812
Don't know	198	-	-	-	-	3	39	119	-	37	-
Refused	346	-	-	-	13	-	50	269	-	15	-
Ate less food because of lack of money or other resources											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Yes	35,046	3,383	3,126	979	1,053	276	12,598	6,737	1,224	2,708	2,962
No	75,365	2,530	14,340	5,760	4,413	432	11,216	19,554	8,084	2,093	6,943
Don't know	389	18	65	15	22	-	134	119	-	-	17
Refused	318	-	-	-	-	-	50	269	-	-	-
Household ran out of food because of lack of money or other resources											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Yes	24,516	2,172	1,623	986	846	253	9,590	4,856	1,320	1,840	1,031
No	86,176	3,758	15,874	5,769	4,618	454	14,407	21,482	7,988	2,934	8,891
Don't know	235	-	32	-	13	-	-	178	-	12	-
Refused	190	-	-	-	13	-	-	162	-	15	-
Hungry but did not eat because of lack of money or other resources											
Total	111,117	5,930	17,530	6,755	5,489	708	23,997	26,678	9,309	4,801	9,921
Yes	15,725	1,525	1,066	908	580	241	6,723	2,952	415	770	545
No	94,825	4,405	16,392	5,823	4,908	464	17,273	23,333	8,893	3,987	9,346
Don't know	272	-	71	25	-	3	-	124	-	19	31
Refused	294	-	-	-	-	-	-	269	-	26	-
Went without eating for a whole day because of lack of money or other resources											
Total	111,025	5,930	17,530	6,755	5,489	708	23,997	26,678	9,281	4,801	9,921
Yes	8,998	1,124	803	1,011	356	129	2,671	1,998	136	474	303
No	101,458	4,807	16,695	5,726	5,103	578	21,326	24,234	9,121	4,308	9,619
Don't know	300	-	32	17	30	-	-	178	23	19	-
Refused	269	-	-	-	-	-	-	269	-	-	-

Table A10.2 Number of Household Agricultural Holdings Affected by Food Security & Climate Change/Disaster, by Province: 2017

	Hydro-meteorological events	Climatological events	Non-climate related disaster	Biological disaster	Other disaster
Total					
Worried would run out of food due to lack of money / resources	11,371	2,633	514	4,214	8,501
Unable to eat healthy food due to lack of energy / resources	7,896	2,016	412	2,776	7,292
Eat only a few foods due to lack of money / resources	8,731	2,403	530	3,558	7,579
Skip a meal due to lack of money / resources	6,931	2,099	400	2,562	6,001
Ate less food than expected due to lack of money / resources	6,669	2,035	434	2,242	5,881
Household ran out of food due to lack of money / resources	5,085	1,373	346	1,757	4,085
Hungry but did not eat due to not enough money / resources	3,964	981	163	1,200	2,227
Without eating due to lack of money / resources	1,442	303	23	228	494
Choiseul					
Worried would run out of food due to lack of money / resources	828	216	-	34	190
Unable to eat healthy food due to lack of energy / resources	299	73	-	9	163
Eat only a few foods due to lack of money / resources	746	230	21	34	205
Skip a meal due to lack of money / resources	519	148	-	34	142
Ate less food than expected due to lack of money / resources	757	148	-	34	145
Household ran out of food due to lack of money / resources	379	114	-	22	105
Hungry but did not eat due to not enough money / resources	319	118	-	9	64
Without eating due to lack of money / resources	204	93	-	-	38
Western					
Worried would run out of food due to lack of money / resources	221	69	34	214	485
Unable to eat healthy food due to lack of energy / resources	69	34	34	104	310
Eat only a few foods due to lack of money / resources	98	34	34	173	300
Skip a meal due to lack of money / resources	91	34	-	138	258
Ate less food than expected due to lack of money / resources	64	34	34	138	301
Household ran out of food due to lack of money / resources	-	-	-	35	35
Hungry but did not eat due to not enough money / resources	-	-	-	-	-
Without eating due to lack of money / resources	-	-	-	-	-
Isabel					
Worried would run out of food due to lack of money / resources	268	63	23	23	127
Unable to eat healthy food due to lack of energy / resources	110	63	-	23	17
Eat only a few foods due to lack of money / resources	150	40	23	23	30
Skip a meal due to lack of money / resources	164	40	23	23	16
Ate less food than expected due to lack of money / resources	146	23	23	23	33
Household ran out of food due to lack of money / resources	101	23	23	23	32
Hungry but did not eat due to not enough money / resources	103	40	23	23	-
Without eating due to lack of money / resources	103	23	23	23	-
Central					
Worried would run out of food due to lack of money / resources	32	46	-	-	14
Unable to eat healthy food due to lack of energy / resources	17	17	-	-	14
Eat only a few foods due to lack of money / resources	22	17	-	-	17
Skip a meal due to lack of money / resources	22	17	-	-	32
Ate less food than expected due to lack of money / resources	-	17	-	-	17
Household ran out of food due to lack of money / resources	-	17	-	-	17
Hungry but did not eat due to not enough money / resources	-	-	-	-	-
Without eating due to lack of money / resources	-	-	-	-	-
Rennell Bellona					
Worried would run out of food due to lack of money / resources	165	29	-	18	451
Unable to eat healthy food due to lack of energy / resources	96	21	-	12	345
Eat only a few foods due to lack of money / resources	109	25	-	15	322
Skip a meal due to lack of money / resources	112	14	-	17	272
Ate less food than expected due to lack of money / resources	82	12	-	12	250
Household ran out of food due to lack of money / resources	62	15	-	12	224
Hungry but did not eat due to not enough money / resources	100	7	-	11	216
Without eating due to lack of money / resources	12	-	-	2	124

Table A10.2 Cont. Number of Household Agricultural Holdings Affected by Food Security & Climate Change/Disaster, by Province: 2017

	Hydro-meteorological events	Climatological events	Non-climate related disaster	Biological disaster	Other disaster
Guadalcanal					
Worried would run out of food due to lack of money / resources	4,822	1,121	279	2,608	2,803
Unable to eat healthy food due to lack of energy / resources	3,821	767	244	2,086	2,071
Eat only a few foods due to lack of money / resources	4,043	829	244	2,127	2,277
Skip a meal due to lack of money / resources	3,753	866	244	2,001	1,894
Ate less food than expected due to lack of money / resources	3,445	734	244	1,809	1,899
Household ran out of food due to lack of money / resources	3,317	569	244	1,487	1,626
Hungry but did not eat due to not enough money / resources	2,811	528	141	1,157	1,418
Without eating due to lack of money / resources	767	89	-	186	198
Malaita					
Worried would run out of food due to lack of money / resources	4,257	761	47	88	3,454
Unable to eat healthy food due to lack of energy / resources	2,544	707	30	-	3,211
Eat only a few foods due to lack of money / resources	2,645	870	76	129	3,283
Skip a meal due to lack of money / resources	1,635	748	30	-	2,612
Ate less food than expected due to lack of money / resources	1,492	766	30	41	2,500
Household ran out of food due to lack of money / resources	746	501	-	-	1,528
Hungry but did not eat due to not enough money / resources	530	264	-	-	471
Without eating due to lack of money / resources	239	75	-	-	75
Makira					
Worried would run out of food due to lack of money / resources	382	257	131	-	319
Unable to eat healthy food due to lack of energy / resources	407	260	103	14	346
Eat only a few foods due to lack of money / resources	349	284	131	14	291
Skip a meal due to lack of money / resources	280	158	103	14	169
Ate less food than expected due to lack of money / resources	299	228	103	-	207
Household ran out of food due to lack of money / resources	252	110	79	14	141
Hungry but did not eat due to not enough money / resources	24	-	-	-	-
Without eating due to lack of money / resources	24	-	-	-	-
Temotu					
Worried would run out of food due to lack of money / resources	344	72	-	133	658
Unable to eat healthy food due to lack of energy / resources	480	72	-	262	814
Eat only a few foods due to lack of money / resources	518	72	-	293	854
Skip a meal due to lack of money / resources	338	72	-	105	605
Ate less food than expected due to lack of money / resources	350	72	-	34	527
Household ran out of food due to lack of money / resources	211	24	-	104	377
Hungry but did not eat due to not enough money / resources	59	24	-	-	59
Without eating due to lack of money / resources	59	24	-	-	59
Honiara					
Worried would run out of food due to lack of money / resources	51	-	-	1,095	-
Unable to eat healthy food due to lack of energy / resources	51	-	-	266	-
Eat only a few foods due to lack of money / resources	51	-	-	751	-
Skip a meal due to lack of money / resources	18	-	-	230	-
Ate less food than expected due to lack of money / resources	35	-	-	151	-
Household ran out of food due to lack of money / resources	18	-	-	60	-
Hungry but did not eat due to not enough money / resources	18	-	-	-	-
Without eating due to lack of money / resources	35	-	-	17	-

Table A10.3 Number and Percent of Household Agricultural Holdings Affected by Climate Change/Disaster by Extent of Loss of Agricultural Output, by Province: 2017

	Event / Disaster									
	Hydro-meteorological		Climatological events		Non-climate related disaster		Biological disaster		Other disaster	
	No.	%	No.	%	No.	%	No.	%	No.	%
Total										
Total	18,697	100.0	5,671	100.0	2,459	100.0	5,872	100.0	13,351	100.0
None	430	2.3	208	3.7	121	4.9	1,223	20.8	276	2.1
Slight	7,476	40.0	1,786	31.5	700	28.5	2,071	35.3	6,063	45.4
Moderate	4,536	24.3	1,723	30.4	489	19.9	1,349	23.0	4,476	33.5
Severe	6,143	32.9	1,880	33.2	1,109	45.1	1,229	20.9	2,507	18.8
Choiseul										
Total	993	100.0	247	100.0	21	100.0	34	100.0	220	100.0
None	-	-	-	-	-	-	-	-	-	-
Slight	230	23.2	135	54.7	21	100.0	9	26.5	119	54.1
Moderate	287	28.9	68	27.5	-	-	25	73.5	69	31.4
Severe	475	47.8	44	17.8	-	-	-	-	32	14.5
Western										
Total	393	100.0	98	100.0	34	100.0	567	100.0	1,440	100.0
None	-	-	-	-	-	-	-	-	-	-
Slight	307	78.1	98	100.0	34	100.0	304	53.6	1,115	77.4
Moderate	86	21.9	-	-	-	-	160	28.2	160	11.1
Severe	-	-	-	-	-	-	104	18.3	165	11.5
Isabel										
Total	381	100.0	63	100.0	56	100.0	23	100.0	207	100.0
None	33	8.7	17	27.0	-	-	-	-	-	-
Slight	221	58.0	45	71.4	56	100.0	23	100.0	143	69.1
Moderate	88	23.1	-	-	-	-	-	-	32	15.5
Severe	38	10.0	-	-	-	-	-	-	32	15.5
Central										
Total	54	100.0	63	100.0	-	-	-	-	32	100.0
None	40	74.1	17	27.0	-	-	-	-	-	-
Slight	14	25.9	28	44.4	-	-	-	-	-	-
Moderate	-	-	-	-	-	-	-	-	14	43.8
Severe	-	-	17	27.0	-	-	-	-	17	53.1
Rennell Bellona										
Total	193	100.0	38	100.0	11	100.0	26	100.0	671	100.0
None	-	-	-	-	-	-	-	-	-	-
Slight	27	14.0	-	-	-	-	-	-	43	6.4
Moderate	136	70.5	25	65.8	3	27.3	20	76.9	410	61.1
Severe	30	15.5	14	36.8	8	72.7	6	23.1	218	32.5
Guadalcanal										
Total	6,679	100.0	1,384	100.0	356	100.0	3,219	100.0	3,538	100.0
None	73	1.1	-	-	-	-	171	5.3	77	2.2
Slight	3,314	49.6	504	36.4	76	21.3	1,111	34.5	1,737	49.1
Moderate	1,387	20.8	309	22.3	73	20.5	948	29.5	482	13.6
Severe	1,904	28.5	516	37.3	207	58.1	990	30.8	1,243	35.1
Malaita										
Total	6,236	100.0	1,072	100.0	183	100.0	129	100.0	4,122	100.0
None	197	3.2	105	9.8	76	41.5	88	68.2	163	4.0
Slight	2,191	35.1	348	32.5	107	58.5	-	-	1,724	41.8
Moderate	1,570	25.2	500	46.6	-	-	41	31.8	2,116	51.3
Severe	2,186	35.1	118	11.0	-	-	-	-	118	2.9
Makira										
Total	3,114	100.0	2,633	100.0	1,797	100.0	240	100.0	1,955	100.0
None	69	2.2	69	2.6	45	2.5	-	-	20	1.0
Slight	644	20.7	565	21.5	405	22.5	40	16.7	296	15.1
Moderate	891	28.6	809	30.7	412	22.9	91	37.9	989	50.6
Severe	1,491	47.9	1,170	44.4	894	49.7	108	45.0	630	32.2

Table A10.3 Cont. Number and Percent of Household Agricultural Holdings Affected by Climate Change/Disaster by Extent of Loss of Agricultural Output, by Province: 2017

	Event / Disaster									
	Hydro-meteorological		Climatological events		Non-climate related disaster		Biological disaster		Other disaster	
	No.	%	No.	%	No.	%	No.	%	No.	%
Makira										
Total	3,114	100.0	2,633	100.0	1,797	100.0	240	100.0	1,955	100.0
None	69	2.2	69	2.6	45	2.5	-	-	20	1.0
Slight	644	20.7	565	21.5	405	22.5	40	16.7	296	15.1
Moderate	891	28.6	809	30.7	412	22.9	91	37.9	989	50.6
Severe	1,491	47.9	1,170	44.4	894	49.7	108	45.0	630	32.2
Temotu										
Total	603	100.0	72	100.0	-	-	416	100.0	1,151	100.0
None	-	-	-	-	-	-	-	-	-	-
Slight	494	81.9	61	84.7	-	-	372	89.4	887	77.1
Moderate	91	15.1	12	16.7	-	-	44	10.6	203	17.6
Severe	19	3.2	-	-	-	-	-	-	51	4.4
Honiara										
Total	51	100.0	-	-	-	-	1,218	100.0	16	100.0
None	18	35.3	-	-	-	-	964	79.1	16	100.0
Slight	34	66.7	-	-	-	-	212	17.4	-	-
Moderate	-	-	-	-	-	-	21	1.7	-	-
Severe	-	-	-	-	-	-	21	1.7	-	-

Table A10.4 Impact of Climate Change and Disasters on Household Agricultural Holdings, by Province: 2017

	Province											
	Total	%	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Land area - hectares												
Hydro-meteorological events	464,602	74.9	312	8	5,241	0.1	-	453,414	4,326	1,232	51	18
Climatological events	8,557	1.4	-	-	-	0.03	-	7,537	58	963	-	-
Non-climate related disaster	872	0.1	21	-	-	-	-	10	-	840	-	-
Other disaster-incl biological events	145,966	23.5	34	8	1	0.1	109	104,784	496	576	21,018	18,941
Yield value if had been sold (\$SI, '000)												
Hydro-meteorological events	12,487.32	58.0	2,138.42	104.78	91.89	-	-	5,167.73	3,905.59	951.81	79.51	54.61
Climatological events	954.38	4.4	20.48	0.03	-	-	-	122.12	268.42	543.32	-	-
Non-climate related disaster	429.09	2.0	211.92	-	17.68	-	-	-	-	201.49	-	-
Other disaster-incl biological events	7,654.63	35.6	222.07	266.10	27.00	0.01	0.44	4,012.41	2,383.04	480.69	174.87	89.99
Total value of yield production affected	21,524.42	100.0	2,592.89	370	135	0.01	0.44	9,301.26	6,556.05	2,175.31	252.38	143.60
%	100.00		12.04	1.72	0.63	0.00	0.00	43.21	30.46	10.11	1.17	0.66
Transport cost if had been taken to market (\$SI, '000)												
Hydro-meteorological events	716.59	70.8	111.31	5.08	-	-	-	281.63	290.94	16.79	5.48	5.36
Climatological events	44.67	4.4	-	-	-	-	-	37.82	0.82	6.03	-	-
Non-climate related disaster	11.13	1.1	-	-	-	-	-	-	-	11.13	-	-
Other disaster-incl biological events	239.08	23.6	4.56	-	-	-	-	177.26	20.27	11.41	18.64	6.94
Total value of transport cost	1,011.48	100.0	115.87	5.08	0.0	0.0	0.0	496.72	312.03	45.36	24.12	-
%	100.00		11.46	0.50	0.00	0.00	0.00	49.11	30.85	4.48	2.38	-
Equipment / machinery loss (\$SI, '000)												
Hydro-meteorological events	92.94	98.2	0.01	12.03	-	-	-	63.02	-	-	-	17.87
Climatological events	1.51	1.6	-	-	-	-	-	1.51	-	-	-	-
Non-climate related disaster	0.20	0.2	-	-	-	-	-	-	-	0.20	-	-
Other disaster-incl biological events	-	-	-	-	-	-	-	-	-	-	-	-
Total value of equipment / machinery affected	94.65	100.0	0.01	12.03	0.00	0.00	0.00	64.53	0.00	0.20	0.00	17.87
%	100.00		0.01	12.71	0.00	0.00	0.00	68.18	0.00	0.21	0.00	18.88
Building loss (\$SI, '000)												
Hydro-meteorological events	2,167.47	67.5	8.43	-	-	-	-	1,699.03	37.40	369.01	-	53.61
Climatological events	-	-	-	-	-	-	-	-	-	-	-	-
Non-climate related disaster	1,044.15	32.5	-	-	-	-	-	-	-	1,044.15	-	-
Other disaster-incl biological events	-	-	-	-	-	-	-	-	-	-	-	-
Total value of building affected	3,211.62	100.0	8.43	0.00	0.00	0.00	0.00	1,699.03	37.40	1,413.15	0.00	53.61
%	100.00		0.26	0.00	0.00	0.00	0.00	52.90	1.16	44.00	0.00	1.67

Note: Estimates cover 12 month period prior to enumeration and may record estimates of multiple occurrences of impact or persistent spill-over impacts (from preceding years) affecting similar or other areas within the total physical area of holding. The estimated \$SI value of the impact of climate change and disasters is subjectively reported.

Table A10.5 Impact of Climate Change and Disaster on Household Agricultural Holdings, by Province: 2017

	Province										
	Total	Choiseul	Western	Isabel	Central	Rennell Bellona	Guadalcanal	Malaita	Makira	Temotu	Honiara
Stock (\$SI, '000)											
Hydro-meteorological events	589.96	137.44	14.55	-	-	-	346.25	-	54.98	-	35.74
Climatological events	8.46	-	-	-	-	-	3.01	-	5.45	-	-
Non-climate related disaster	18.07	-	-	-	-	-	-	-	18.07	-	-
Other disaster - incl biological events	1,253.03	4.64	234.79	-	-	-	850.40	-	101.48	.30	62.42
Total value of stock losses	1,868.51	141.08	249.34	-	-	-	1,199.67	-	179.97	.30	98.15
Other Operating Costs (\$SI, '000)											
Hydro-meteorological events	173.66	34.06	10.70	-	-	-	15.07	12.35	64.75	-	35.74
Climatological events	-	-	-	-	-	-	-	-	-	-	-
Non-climate related disaster	14.21	-	-	-	-	-	-	-	14.21	-	-
Other disaster - incl biological events	7.91	-	-	-	-	6.91	-	-	-	-	-
Total value of other operating costs impacted	193.78	34.06	10.70	-	-	6.91	15.07	12.35	78.95	-	35.74

Note: Refer also to note below Annex Table A10.4

Annex II: Survey Questionnaires

CONFIDENTIAL

NAS Form 1 - List of Households, Institutions and Selection



National Statistics Office

Ministry of Finance & Treasury, P.O. Box G6, Honiara, Solomon Islands

Contacts: Phone 677 - 21427/27835, Fax 23775, Email - MoFT-Stats-CensusSurvey, Website: www.statistics.gov.sb

Solomon Islands National Agriculture Survey - 2017 Particulars of Agriculture Holding

[1.1] Descriptive Identification of sample PSU

1 Province	<input type="text"/>
2 Ward	<input type="text"/>
3 EA	<input type="text"/>
4 Census Code of EA	<input type="text"/> <input type="text"/> <input type="text"/>

[1.2] Identification of sample PSU

Item No	Items	Code
1	Serial Number of sample EA's	<input type="text"/> <input type="text"/> <input type="text"/>
2	Province No	<input type="text"/> <input type="text"/>
3	Ward No	<input type="text"/> <input type="text"/>
4	Approx Population of EA	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
5	Survey Code	<input type="text"/> <input type="text"/> <input type="text"/>

Item 5 - Survey Codes: Selected EA surveyed

1 Surveyed	2 Selected EA casualty but substitute surveyed
3 Selected EA not surveyed	

[1.3] Particulars of field operations

Serial. No	Item	Enumerator			Supervisory Officer		
(1)	(2)	(3)			(4)		
1	(i) Name in Block Letters	<input type="text"/>			<input type="text"/>		
	(ii) Code	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Date(s) of	Day	Month	Year	Day	Month	Year
	(i) commencement of survey/inspection	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	(ii) Completion of survey/inspection	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	Time Survey Completed (Hours only)	<input type="text"/>					
4	<input type="text"/>						

SI NAS 2017 Form 1: Listing of Households, Institutions and Selection

1.4 A List of households and record of selection of households

[illegible]

SI NAS 2017 Form 1: Listing of Households, Institutions and Selection

[illegible]

1.4 B List of Institutional Farm holdings other than business farms

[illegible]

SI NAS 2017 Form 1: Listing of Households, Institutions and Selection

Total number of institution farm holdings (E) [to be derived by counting institutions with entry 1 in column 9]									
Codes for column 4		4 Religious (churches etc)	5 Cooperative/Community		6 Educational institutions				
Codes for column 9		1 Yes if code 1 in any of the columns 6 - 8			2 No if code 2 in all the columns 6 - 8				

1.5 Particulars of sampling Households and Institutional Holdings (other than business farms)

A. Households and farm households					
Population	Number of Household listed in the EA (H')	Number of farm households listed in EA (H)	Number of households		
			Selected (h)	Surveyed	Non-response [Col 4 & 5]
(1)	(2)	(3)	(4)	(5)	(6)
B. Institutional Holdings (other than business farm)					
1	Number of institutional farm holdings listed (E) ²				
2	Number of institutional farm holdings surveyed (e)				
<p>Note: 1. List of business farm is given in Appendix - A of instruction manual</p> <p>2. All institutional farm are to be surveyed and thus $E = e$. In case one or two such farms could not be surveyed for some reason then $E > e$.</p>					

1.6 Remarks by Enumerator/Supervisor

CONFIDENTIAL

NAS Form 2 - Questionnaire



National Statistics Office

Ministry of Finance & Treasury, P.O. Box G6, Honiara, Solomon Islands
Contacts: Phone 677 - 21427/27835, Fax 23775, Email - MoFT-Stats-CensusSurvey, Website: statistics.gov.sb

Solomon Islands National Agriculture Survey - 2017 Particulars of Agriculture Holding

A. IDENTIFICATION PARTICULARS

Province Name: _____ Ward Name: _____ Village Name: _____

Holding ID

Province Code

Ward Code

EA Code

Household No

GPS Code (S-Latitude E-Longitude)

--	--

--	--

--	--

--	--	--

Household No. (copy from
Col-10 of Sec, 1.4A, Form-1)

S	
E	

Type of Holding:

1. Individual

2. Family

3. Joint operation

4. Religious

5. Cooperative/community

6. Educational institutions

--

Head of Household/ Organisation: Mr/Miss: _____

Phone No _____

Respondent's Name : _____

Enumerator's Name: _____

Supervisor's Name: _____

B. HOUSEHOLD MEMBERSHIP DEMOGRAPHIC AND ECONOMIC INFORMATION

List the names (Full Name) and complete the following of all person residing in this household (Codes for Column 4,6,7,8,9 and 10 are at the next page)

Line Number	Full Name	Sex 1. Male 2. Female	Relation to head of Household	Age Years	Education	For Household Members 10 years old and over			
						Main Activity (Code) during the past week	Employment Status during the past week	Sector of employment (code) during the past week	Activity in the Holding during the past week
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Head								
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
Male			+	Female			Total		

C. ENGAGEMENT IN SUBSECTORS

Is any member of your household engage in these area during the past twelve months?

Growing crops 1 Yes 2 No ☐

Forestry 1 Yes 2 No ☐

Non-agriculture activities -
Retail trading outlet 1 Yes 2 No ☐

Rearing livestock 1 Yes 2 No ☐

Handicraft making 1 Yes 2 No ☐

Fisheries 1 Yes 2 No ☐

Aquaculture 1 Yes 2 No ☐

Other non-agriculture activities 1 Yes 2 No ☐

CODES FOR SECTION B

Code for Relation to head of house hold (Col 4):

- 1 Head
- 2 Spouse
- 3 Biological - born son & daughter
- 4 Adopted - son & daughter
- 5 Brother / Sister
- 6 Grandchild
- 7 Parent of head
- 8 Parent of spouse
- 9 Child of spouse (step child)
- 10 Other relatives
- 11 No relation

Code for education (Col 6):

- 0 No schooling
- 1 Early Childhood Education (ECE)
- 2 Primary education
- 3 Junior Sec. education 1 (Form 1 - Form 3)
- 4 Senior Sec. education 2 (Form 4 - Form 7)
- 5 Tech. Vocational Education Training (TVET)
- 6 Tertiary education
- 7 Other

Code for activity (Col. 7):

- 1 Farming
- 2 Fishing
- 3 Livestock
- 4 Handicrafts
- 5 Forestry
- 6 None of the Above activity (work)
- 7 Others (non-work activity: specif

<u>Code for Employment Status (Col 8)</u>	<u>Code for sector of employment (Col 9):</u>	
1. Own – account	01 Agriculture, forestry and fishing	11 Financial & insurance activities
2. Employer	02 Mining and quarrying	12 Real estate, rental and leasing activities
3. Employee Government	03 Manufacturing	13 Professional, Science & technical activities
4. Employee Private	04 Electricity, gas, steam, and air conditioning supply	14 Administrative & Support service activities
5. Unpaid Worker	05 Water supply; sewerage, waste & Remediation act.	15 Education
6. Students	06 Construction	16 Human health and Social work
7. Others	07 Trade	17 Arts, Entertainment and recreation
	08 Transportation & Storage	18 Other service activities
	09 Accomodation & Food service activities	19 Public admn. & defense; compulsory social security
	10 Information & Communication	20 Activities of households as employers
		21 Extraterritorial organization & Bodies

<u>Code for Activity in Holding (Col 10)</u>
1. Planting
2. Harvesting
3. Livestock rearing
4. Fish Catching
5. Fish Processing
6. Forestry
7. Handicraft
8. Transporting
9. Selling
10. None of the Above

D USE OF LAND AT TIME OF VISIT

D1 How many parcel of land do you have?

Homestead land

Other separate agriculture land

Homestead land

Parcel No.	Area in Square Meter	Land Tenure	Ward Name	Province & Ward		Land Use					For code 1 in col 3, what is the land status? 1. (customary), 2 private 3 state, 4 church and 5 others	For Code 1 in col 11, documented/recognized evidence?. (1 Yes, 2 No, 3 Don't Know)
				Code		Residential building	Home garden	Animal Yard	Unused baren/idle	Others		
(1)	(2)	(3)	(4)	(5)		(6)	(7)	(8)	(9)	(10)	(11)	(12)
						Square meter	Square meter	Square meter	Square meter	Square meter		
Total												

Code for Land tenure (3) : 1. Owned 2. Short-term Lease 3. Long-term Lease 4. Customary 5. Others (Specify)

1 Acre = 0.4047 Hectares

D2 Can you please name the trees in your Homestead land and how many trees (including Fruit trees, Food crops, forestry)?

No	Name of Tree	Code Office Use	Number of tress	No	Name of Tree	Code Office Use	Number of tress
1				14			
2				15			
3				16			
4				17			
5				18			
6				19			
7				20			
8				21			
9				22			
10				23			
11				24			
12				25			
13				26			

[illegible]

Code for purpose of fallow {15}: 1. Improve Agricultural Productivity, 2. Lack of Finance, 3. Others			
D4	Land under mixed land use (e.g. pasture and coconut) in hectares	<input type="text"/>	
D5	Have your household rented land to others ?	1. Yes 2. No	<input type="text"/>
		(If 2, then Go to E1)	
D6	If yes, How many parcel?	<input type="text"/>	
	Total Area Rented	<input type="text"/>	Hectares

Did your household still cultivate and/or harvest any annual crops and/or perennial crops in the past twelve months?

11

(if 2, Go to E1-B)

[illegible]

B Crops Harvested (last 12 months)

Parcel number	Name of Crops	Code	Area Hectares	Number of perennial crops/trees	Main purpose of production (1- mainly for home consumption, 2- mainly for sale)	Quantity produced		Quantity sold		If entry in Col 12, total value of sale (SBD\$)	Current stock of crop as on date of survey		What is the average age of coconuts and cocoa plants in your plantation? (in years)	What is the expected attainable yield (in SBD\$)
						CTU Code	Quantity	CTU Code	Quantity		CTU Code	Quantity		
(1)	(7)	(7a)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)

1 Acre = 0.4047 Hectares

Units or CTU CODES

1 Kilograms (Kg)	3 Basket	5 Heap	7 Bunch	9 Plants	11 Others
2 Plastic bags	4 Bundle	6 Numbers	8 Hands	10 Bags	

F AGRICULTURAL PRACTICES

F1	Did your household use any inorganic fertilizers in this holding in the past twelve months?	1- Yes 2- No	<input type="text"/>
F2	Did your household use any organic fertilizers in this holding in the past twelve months?	1- Yes 2- No	<input type="text"/>
F3	Did your household use any Pesticides in this holding in the past 12 months?	1- Yes 2- No	<input type="text"/>
F4	Did your household use any irrigation in the past 12 months?.....	1- Yes 2- No	<input type="text"/>
F5	Whether there is presence of cropped land under protective cover?.....	1- Yes 2- No	<input type="text"/>
F6	If Yes in F5, area of cropped land under protective cover (hectare)		
F7	Did this holding use rice seeds during the last 12 months?.....	1- Yes 2- No (If 2, then go to QF10)	<input type="text"/>
F8	If Yes in F7, what type of rice seed did this holding use during the last 12 months? (accepts multiple entries)	Enter code: 1-used, 2- not used 1- high-yielding variety 2- local variety	<input type="text"/>
F9	Where did you get this rice seeds that were used during the last 12 months? (accepts multiple entries)	Enter code: 1-used, 2- not used 2- bought from market or other producers 4- provided by the government 6- Other, specify	<input type="text"/>
	1- own produced		<input type="text"/>
	3- NGOs/ provided by NGOs/ Cooperative/Int. agency		<input type="text"/>
	5- provided by trader/company		<input type="text"/>

Specify the use of crops of these Holding, Fertilizers, Pesticides and Irrigation

F11	Is this household engaging in community/customary farming? [Not to be asked for Institutional farms and Business farms]	1- Yes in community/customary farming. 2- No	
-----	--	--	--

Name of crops	Crop Code	Name of Community/Customary
---------------	-----------	-----------------------------

163

F13 Agricultural Services

13-1a. Did you receive any agricultural extension service during the last 12 months?	1- Yes enter code→ 2- No→ skip to13-2a	
13-1b. If Yes in 13-1a, specify the source of agricultural extension service(s) that was/were received of during the last 12 months. (accepts multiple entries)	code: 1- Received, 2- not received 1- Government 2- Private companies 3-Association within community 4- NGOs 5- Other, specify _____	
13-2a. Did you receive any credits/loans to support your agricultural activities during the last 12 months?	1- Yes enter code 2- No skip to13-3a	
13-2b. If Yes in 13-2a, where did you receive the credit/loan during the last 12 months? (accepts multiple entries.)	enter code: 1-received, 2- not received 1-Bank (commercial/development) 2-Micro-finance 3-Friends/Relatives 4-Moneylender 5- Cooperatives 6-Other, specify _____	
13-3a. Did you receive or access any agricultural information that helped you manage the agricultural holding during the last 12 months?	1- Yes enter code 2- No skip to13-4a	
13-3b. If Yes in 13-3a, where did you receive or access the agricultural information? (accepts multiple entries.)	code: 1-received, 2- not received 1- Extension services 2- Radio 3- Television 4- Newspapers 5-Input agencies 6- Social media 7-Internet 8 - Mobile 9- Other farmers 10- Other, specify _____	

13-4a. Do you know the nearest market from your holding/house where you can sell your agricultural produce?	1- Yes enter code→ 2- No→ skip the rest of questions	
13-4b. If Yes in 13-4a, did you bring and sell your agricultural produce/products in this nearest market from your holding/ house during the last 12 months?	1- Yes enter code→ 2- No→ skip to F13-4d	
13-4c. What is the approximate travel time to reach this nearest market from your holding/ house in the last 12 months?	Enter appropriate code according to travel time →	
1- Less than 30 minutes	2- 30–59 minutes	3- 60–120 minutes
4- More than 2 hours but less than 1 day	5- More than 1 day	
13-4d. What means did you use in reaching the nearest market to sell you agricultural products in the last 12 months? (Accepts multiple entries.)	enter code: 1-used, 2- not used 1- using vehicle/motorcycle/bicycle 2- using boat/raft 3- by foot 4- air 5-Other, specify_____	
13-4e. What is the average weekly transport (e.g., truck hire/OBM hire etc) cost (\$BD\$) to bring/ sell your agricultural produce at the market ?		\$BD\$

G. LIVESTOCK

G1. Does the Household have any livestock as on the day of enumeration?

1. Yes

2. No

☐

(If 2 Go to G2)

Species	Code	Heads			What is the expected attainable production of livestock/ poultry (in number)?		
(1)	(2)	(3)			(4)		
1. Beef Cattle (11+12+13+14+15) (Bulmakau)	10						
1.1. Calves (< 6 months)	11						
1.2. Steer (young male cattle: 6 - 24 months)	12						
1.3 Heifer (young female cattle: 6 - 24 months)	13						
1.4 Bull (adult male cattle)	14						
1.5 Cow (adult female cattle)	15						
2. Dairy Cattle (21+22+23+24+25)	20						
2.1 Calves (< 6 months)	21						
2.2 Steer (young male cattle: 6 - 24 months)	22						
2.3 Heifer (young female cattle: 6 - 24 months)	23						
2.4 Bull (adult male cattle)	24						
2.5 Cow (adult female cattle)	25						
3. Pig (31+32+33+34+35)	30						
3.1. Boar (man pikpik)	31						
3.2. Sow (mere pikpik)	32						
3.3. Piglet (small pikpik wea susu yet)	33						
3.4. Weaner (small pikpik wea no longer susu)	34						
3.5. Barrow (man pikpik wea ota katem testicles blo hem)	35						
4. Horse (41+42)	40						
4.1. Male	41						
4.2. Female	42						
5. Sheep (51+52+53)	50						
5.1. Lamb	51						
5.2. Ewe	52						
5.3 Ram	53						
6. Goat (61+62)	60						
6.1. Male	61						
6.2. Female	62						

7. Chicken (71+72+73)	70						
7.1 Broiler	71						
7.2 Egg layer	72						
7.3 Domestic Breeds (74+75)	73						
7.3.1 Male (rooster)	74						
7.3.2 Female (hen)	75						
8. Duck	80						

G2 Did the household dispose any livestock in the past twelve month?

1. Yes

☐
☐

(If 2 Go to G2)

2. No

Kind of Livestock	Code	Consumed		Social Obligations (gifted/donated/ Social/ceremony)	Sold						Lost/Died					
					Number		Total Value (SBD \$)				Number		Total Value (SBD \$)			
Beef Cattle	10															
Milk Cattle	20															
Pigs	30															
- Boar	31															
- Sow	32															
- Piglet	33															
- Weaner	34															
- Barrow	35															
Sheep	50															
Goats	60															
Chickens	70															
Ducks	80															

G3. Veterinary Services Used

1 Yes

2 No

☐

(if 2, GO to AQ)

Did this household used any of the Veterinary services in the past 12 months?

Type of service	Cattle		Goat		Pigs		Chicken/Ducks		Horse	
	1. Yes	2. No	1. Yes	2. No	1. Yes	2. No	1. Yes	2. No	1. Yes	2. No
(1)	(2)		(3)		(4)		(5)		(6)	
Vaccination										
Artificial insemination										
Castration										

AQ Details of the Aquaculture Activity
AQ1 Did you engage in own account in any aquaculture activity during the last 12 months?

1- Yes → answer the questions below

2- No (if code 2, skip this section)

enter code →

AQ2 Detailed characteristics of the aquaculture activity holding during the last 12 months

Aquaculture Serial Number	Type of Aquaculture Activity (Enter the Code See below)	What is the actual area used in the aquaculture activity? Enter in square meter	Type of water used. 1- Marine water, 2- Brackish-water, 3- Freshwater (enter code)	Type of production facility during the last 12 months (enter the code; see below)	Main species that was cultured during the last 12 months (enter the code; see below)
(1)	(2)	(3)	(4)	(5)	(6)

Codes for column 2

 1 – pond culture 4 – rice-cum-fish culture
 2 – pen culture 5 – hatchery/nursery
 3 – cage culture 6 – other, specify

Codes for column 5

 1 – pond 4 – paddy field
 2 – pen 5 – culvert/tank/drum
 3 – cage aquarium

Codes for column 6

 1-fish (catfish, tilapia, carp, snakehead, grouper, sea-perch, trout, eel, etc),
 2- shrimp/prawn
 3- crab
 4- frog
 5- crocodile
 6- seaweeds
 7- other species, specify.....

AQ3 Household involvement and hired labor

Full Time			Part Time			Occasional		
Time Worked Sex of workers	Number of household members involve	Number of Hired Labor (not Hhold member)	Time Worked Sex of workers	Number of household members involve	Number of Hired Labor (not Hhold member)	Time Worked Sex of workers	Number of household members involve	Number of Hired Labor (not Hhold member)
(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)
Male			Male			Male		
Female			Female			Female		

AQ4 Other Relevant Information

AQ4.1 Which of the following did you produce during the last 12 months?	1 - Fry 3 - Both 2 - Fingerling 4 - None	
AQ4.2 Did you use any building/ structure in aquaculture activity during the last 12 months?	1- Yes, 2- No	
AQ4.3 Did this holding receive any social protection and extension services during the last 12 months?	1- Yes, 2- No	
AQ4.4 If Yes in AQ4.3, what social protection and extension services did you receive during the last 12 months?	1- Advice regarding aquaculture 2- free training 3- free fingerling, fry, seed 4- loan 5- Other, specify	
	enter 1- receive, 2- not received	
AQ4.5 Are you a member or anyone in your household has membership in the community fisheries or aquaculture association/ organization as of today?	1- Yes, 2- No	

H. FISHERIES																											
H1. Does any member of the household usually go for fishing? (1- Yes, 2- No) If 2, then skip this section.																											
H1a. What type of fishing did any of the members of the household usually engage?																											
Fishing Type	Code	1- Yes 2- No	Average Number of trips per week	Average person Hour per trip		Average quantity of Catch (in CTU) per week	CTU Code	Average of weekly Value of Fish sold (\$BD\$)	What is the expected attainable average catch in one week?																		
				Male	Female				Quantity	CTU Code																	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)																	
Handline/shallow	1																										
Handline/deep sea	2																										
Gillnet	3																										
Cast net (parachut net)	4																										
Spear fishing	5																										
Spearfishing (Day)	6																										
Reef Gleaning	7																										
Octopus fishing	8																										
Trolling	9																										
Fish Fence	10																										
Others (specify): _____	11																										
Units or CTU CODES																											
1 Kilograms (Kg)		2 Plastic bags		3 Basket		4 Bottle		5 Numbers		6 String		7 Others (specify)															
H2. What was the main purpose of your household fishing activity?																											
1 Home consumption and Social Obligation				2 Home consumption and occasional sale				3 Mainly for sale																			
H3. What were the species harvested?																											
<div style="display: flex; justify-content: space-between;"> 1 Yes 2 No (Answer 1 or 2 in the boxes) </div>																											
Tunas & Pelagic Fish	Lobster	Shell Fish	Sea Cucumber	Sea Weed	Ornamental coral of fish	Reef finfish	Sea Urchin	Others																			
<div style="display: flex;"> <div style="flex: 1;"> H4. What type of habitat do you usually fishing? <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Habitat type</th> <th>Frequency</th> </tr> </thead> <tbody> <tr><td>Reef flat</td><td></td></tr> <tr><td>Lagoon</td><td></td></tr> <tr><td>Sea grass</td><td></td></tr> <tr><td>Reef slope</td><td></td></tr> <tr><td>Open sea</td><td></td></tr> <tr><td>Others (specify.)</td><td></td></tr> </tbody> </table> </div> <div style="flex: 1;"> H5. When do you go fishing? <div style="display: flex; justify-content: space-between;"> <div> TIME CODE 1 Day 2 Night 3 Day and Night </div> <div style="border: 1px solid black; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;"> </div> <div> SEASON CODE 1 All Years 2 Wet season 3 Dry season </div> <div style="border: 1px solid black; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center;"> </div> </div> </div> </div>														Habitat type	Frequency	Reef flat		Lagoon		Sea grass		Reef slope		Open sea		Others (specify.)	
Habitat type	Frequency																										
Reef flat																											
Lagoon																											
Sea grass																											
Reef slope																											
Open sea																											
Others (specify.)																											

FORESTRY

11. What is the intended use of the trees/shrubs in this holding ?

Number of Trees/Shrubs	Codes Office Use	No of Trees	Main Use
(1)	(2)	(3)	(4)

Number of Trees/Shrubs	Codes Office Use	No of Trees	Main Use
(1)	(2)	(3)	(4)

Codes for Uses (Col. 4)

1 - Source of food (human/animal) and/or income	2 - Support for crops	3 - Soil improvement and protection	4 - Timber (houses, fences, pole, etc.)	5 - High value wood
6 - Fuel	8 - Boundaries	9 - Handicrafts	10 - Medicinal	11 - Conservation
			12 - Ornamental	

HANDICRAFTS

Use these CODES to answer J1, J2 and J4

1. None 2. 1% - 25% 3. 26% - 50% 4. 51% - 75% 5. 76% - 100%

J1.	What proportion of raw materials for making handicrafts did your household buy?	
J2.	What proportion of farm grown raw materials your household/ organisation usually sell?	(If 1, GO to J4)
J3.	Total value of raw material sold (SBD\$)?	
J4.	What proportion of handicrafts made by your household usually sell?	(If 1, GO to J6)
J5.	Total of finished product sold in (SBD\$)?	
J6.	Is this household engaged in group production of handicraft in the last 12 months for ceremonial purpose?	
J7.	What is the estimate value of your product consumed in the ceremony during the last 12 months?	
CODES [Limits are given in SBD\$] 1 less than 2500 2 2,501 - 5,000 3 5,001 - 7,500 4 7,501 - 10,000 5 more than 10,000		

K

LABOUR

K1

Did your household hire and use any Group Labor on this holding in the last twelve months?

1 Yes

2 No

(If 2, Go to K2)

Items (1)	Male (2)	Female (3)	Total (4)
Number of laborers			
Average number of days worked			
Average hour worked/day			

K2

Did your household use any permanent labourers?

1 Yes

2 No

(If 2, Go to L)

Number (1)	Sex		Hours of Worked in the holding (3)	Wages Per month (4)				Other Benefits Received (5)	Status 1. Full Time 2. Part Time (6)
	Male	Female							

Codes for Other Benefits (Col 5)

1 Meals only

2 Housing only

3 Both 1 & 2 above

4 Others

L

MACHINERY AND EQUIPMENT

Type of equipment (a)	Code (b)	Used in the past 12 months Number (1)		Source of machinery/equipments (Code)			Stock Owned by Holding at time of visit (Number) (3)			
				Own	Private Lease	Government				
CROP Equipment										
CROP Equipment	10									
Tractor	11									
Tractor Implement	12									
Rotary hoe	13									
Knapsack Sprayer	14									
Mist Blower	15									
Weed Eaters	16									
Chainsaw	17									
Others (Specify)	18									
Fishing Equipment	20									
Fishing boats with in-board engine	21									
Fishing boats with out-board engine	22									
Canoe	23									
Others (Specify)										

Transport	30											
Van/truck/taxi (less than 2 tonnes)	31											
Van/truck (2 tonnes and above)	32											
Others (specify)	33											
Energy	40											
Electric Generator	41											
Others (Specify)	42											
Livestock Equipment	50											
Wheelbarrow	51											
Others (Specify)	52											
Aquaculture Equipment	60											
Aerator	61											
Net	62											
Food processor for feeds	63											
Hand tractor	64											
Generator/solar	65											
Boat	66											
Car/ Motorcycle/ tricycle/ remark	67											
Other (specify)	68											

M SOURCE OF INCOME AND LOAN FOR ALL SUBSECTORS

M1. What is the main source of your household's total income (in cash/in kind) usually derived from agricultural activities during the past twelve months?

1. Growing crops	2. Raising livestock	3. Fishing	4. Own non-farm business	5. Paid work in Agr. Occupation	6. Paid work in non-agr. Occupation
7. Pension	8. Remittances	9. Commodity trading			

M2. Did any member of your household receive loan(s) for your agricultural activities in this holding in the last twelve months?

1. Yes 2. No

M3
(if 2, Go to Food Security section)

Number	Source of Loan	Purpose of Loan	Amount Loan SBD \$				Repayment amount in months SBD \$			
(1)	(2)	(3)	(4)				(5)			

Source of Loan CODE	1 BSP 9 NPF	2 ANZ 10 Other sources	3 Other Banks	4 RCDF	5 SIG grants	6 Donor funded	7 NGO grants	8 Savings clubs
Purpose of Loan	1. Agricultural inputs		2 Agricultural Developments		3 Marketing	4 Others		

M3 In your own opinion, Which of these drawbacks that impedes your agricultural, forestry, handicrafts, aquaculture, fisheries or livestock operation the most.
(Please input the codes of the 3 drawbacks from first to third in the box)?

1 Lack of Production Inputs

2 Lack of source of finance

3 Lack of management skills

4 Lack of Market

5 Lack of new technologies and new infrastructures

6 Not Applicable

	Agriculture	Forestry	Handicrafts	Aquaculture	Fisheries	Livestock
First						
Second						
Third						

N

N1 Food Security [Not to be canvassed to the Business Farms]

During the last 12 months, was there a time when:	(1- Yes, 2-No, 3- Don't know, 4- Refused)
N1.1 You were worried you would run out of food because of a lack of money or other resources?	
N1.2 Were you unable to eat healthy and nutritious food because of a lack of money or other resources?	
N1.3 You ate only a few kinds of food because of a lack of money or other resources?	
N1.4 You had to skip a meal because there was not enough money or other resources to get food?	
N1.5 You ate less than you thought you should because of a lack of money or other resources?	
N1.6 Your household ran out of food because of a lack of money or other resources?	
N1.7 You were hungry but did not eat because there was not enough money or other resources for food?	
N1.8 You went without eating for a whole day because of a lack of money or other resources?	

N2 Effects of Climate Change/Disaster on the household /business farm

N2.1a During the last 12 months, was there a time when the household/business farm affected by specified natural disasters?	
1 - Hydro- meteorological events (e.g. storms, floods etc)	
2 - Climatological events (extreme temperature (e.g., drought, wildfire etc).	
(1 - Yes, 2 - No, 3 - Don't know) 3 - Non climatic - related natural disasters (e.g., earth-quakes, volcano eruptions, tsunamis etc).	
4 - Biological disasters (by the African snail and the Rhinoceros beetle)	
5 - Other disasters - include biological events (e.g., epidemics, insect infestations)	
N2.1b If Yes for any of the specified disasters in N2.1a, specify the name if known (e.g., cyclone pam, african snail etc)	
N2.2 If Yes for any of the specified disasters in N2.1a, estimate the overall extent of loss of agricultural output (1 - None, 2 - Slight, 3 - Moderate, 4 - Severe)	
N2.3 If Yes for the disaster 'Biological disasters' in N2.1a-4, identify the infested sites and mark them with GPS code	

N3 Impact of Climate Change/Disaster on the household /business farm

Yield/production and main assets affected/lost	Estimated costs (\$, #) of yield and assets affected/ lost at the time of Climate Change and natural disasters in the past 12 months				
	Hydro- meteorological events (e.g. storms, floods, etc)	Climatological events (extreme temperature (e.g.drought, wildfire, etc)	Non climate - related natural disasters (e.g.,earth-quakes, volcano eruptions, tsunamis, etc).	Other disasters - include biological events (e.g., epidemics, insect infestations)	Total/ All disasters/ climate change
(1)	(2)	(3)	(4)	(5)	(6)
1. Land area (hectares)					
2. Yield/production (\$) if sold					
2.a Transport cost if taken to market (\$)					
3. Equipment /machinery (\$)					
4. Buildings (\$)					
5. Stock (\$)					
6. Other Operating Costs (e.g., fertilizers used, fuel etc, \$)					
7. No. of human lives diseased/ missing (#)					
8. Time (month) till crop/production resumed					

Comments and observations by the Enumerator/Supervisor at the time of data collection

List of Crops and Codes			
Cash Crops (101-105)		Root Crops (331-341)	
Coconut	101	Cassava	331
Cocoa	102	Kumara	332
Coffee	103	Yam	333
Kava	104	Pana	334
Oil Palm	105	Taro	335
		Kongkong	336
		Edu	337
		Aerial yam	338
		Pineapple	339
		Peanut	340
		Ginger	341
Tree Crops (206-230)		Disaster Resilient crops (442-443)	
Bread Fruit	206	Kakake	442
Mango	207	Pitpit	443
Pawpaw	208		
Banana	209	Ornamental Crops (544-548)	
Carabola (Star fruit)	210	Croton	544
Orange	211	Heliconia	545
Lemon	212	Antherium	546
Mandarine	213	Orchids	547
Pomelo	214	Crown of thorns	548
Guava	215	Vegetables (649-661)	
Avocado	216	Slippery Cabbage	649
Rambutan	217	Fern	650
Ngali Nut	218	Sand Paper (Amau)	651
Betelnut	219	Boneo	652
Cut nut	220	Pumpkin	653
Alite	221	Turip	654
inkori (Uli)	222	Shallot	655
Chessnut	223	Water Cress	656
Malayan apple	224	Kang Kong	657
Jack Fruit	225	Land Cress	658
Mangosteen	226	Ofenga'a	659
Vine tree	227	Mushroom	660
Passion fruit	228		
Ourian	229		
Soursop	230		
		Exotic Vegetables (762-769)	
		Chinese vegetable	762
		Lettuce	763
		Head cabbage	764
		Capsicum	765
		Tomato	766
		Cucumber	767
		Egg plant	768
		Radish	769
		Spices (870-875)	
		Ginger	870
		Tumaric	871
		Chillie	872
		Vanila	873
		Cardamon	874
		Black pepper	875

