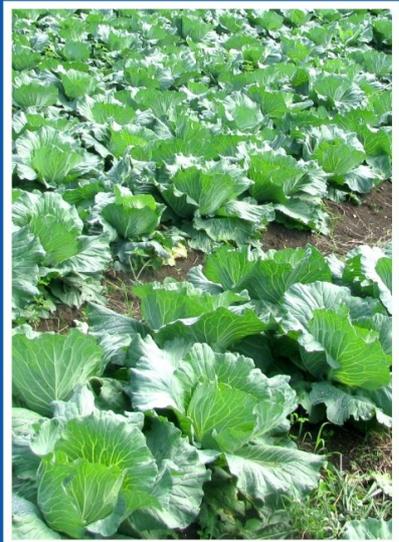


# COOK ISLANDS 2011 CENSUS OF AGRICULTURE & FISHERIES



**COOK ISLANDS GOVERNMENT  
MINISTRY OF AGRICULTURE**

**Cook Islands  
Census of Agriculture and Fisheries  
2000**

This report documents the Cook Islands 2011 Census of Agriculture and Fisheries. It contains the analysis of the main findings and seven (7) sets of tables providing information collected during the Census. More detailed information can be obtained from either of the agencies listed below.

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Published March 2014

## **Message from the Minister**

As Minister for Agriculture, National Environment Service, and the Business Trade and Investment Board, I have great pleasure in presenting the information contained in this report on the Cook Islands Census of Agriculture 2011.

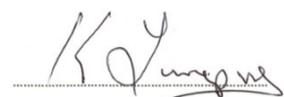
This census is showing huge changes in agricultural activity in the country. There is a major decline in horticulture subsistence and commercial production. This corresponds with population trends that are revealed in the 2011 Census of Population. Another factor affecting horticulture production on Rarotonga is less arable land as expansion in the tourism industry makes it a more attractive sector to capitalize on. Therefore, intensive economic and social changes in our country over the past 20 or so years has changed the way we sustain our food security needs, importing more and growing less.

The information contained in this document will serve to better assist our planners in designing policies necessary to address our food security and nutritional requirements, also guide us towards a healthier lifestyle. We can only address our current and future needs through team effort, not working as individual agencies as has too often been the case.

I extend to the people of the Cook Islands, the primary beneficiaries of the findings of the census, my sincere appreciation for their cooperation in providing the necessary information to our census staff, and hope we can utilise the information contained within to reverse this negative change.

Sincere thanks to FAO for the financial and technical support for this project. I wish to thank, in particular, the services and expertise of David Marshall who was also involved in the previous censuses, and has seen this changing trend in agriculture.

Finally, many thanks to all the hard-working staff whom in some way or another invested time and professionalism in the census. Special thanks also goes to all those who assisted with the collection of additional data, after the census proper, to improve the findings of this report.



Hon. Kiriau Turepu

Minister for Agriculture, National Environment Service and Business Trade Investment Board

# ACKNOWLEDGEMENT

## COOK ISLANDS GOVERNMENT

1. Ministry of Agriculture - manpower, financial support, logistics
2. Statistics Office - manpower, financial support, logistics, data processing
3. Tim Nubono, Policy Officer, Ministry of Agriculture - formatting of report

## FOOD AND AGRICULTURE ORGANIZATION (FAO)

1. Financial support
2. David Marshall - Census consultant
3. Kevin Hosking - Data processing
4. Jairo Castano - Project technical officer
5. Madeline Kare & Elizabeth Potoru - Preliminary data processing, post-enumeration survey

## CENSUS STAFF

1. William Wigmore - National Project Coordinator
2. Moe Tutira, Ngametua Kino, Moekopu Vogel, Sherro Tomokino, Mere Charlie, Noo Tokari - Re-enumeration of selected census districts on Rarotonga
3. Moekopu Vogel, Ngametua Kino, Madeleine Kare, Twin Ruarangi, Maki Toko, - Re-enumeration of Aitutaki
4. Maru Willie & Banabas Henry - assisting with the Census of Agriculture and Fisheries enumeration in the northern group
5. All census Supervisors and their Enumerators, as listed in Annex 4.

## FOREWORD

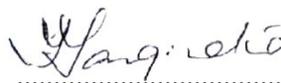
This report presents the main findings of the Census of Agriculture 2011 (CoA 2011) which was the third such census of agriculture to be conducted in Cook Islands. The CoA 2011 was conducted at the same time as the Census of Population and Dwellings in November 2011 (CoPD 2011). This was the first time the two censuses had been conducted as an integrated exercise. The key issue such an approach sought to address, was the high cost of data collection in the Northern Group of Islands where transport costs were a major factor. It was also recognised that other cost savings and efficiencies could be gained by conducting the two censuses at the same time and the resultant database would be far richer since the datasets could be combined, for analytical purposes, through the household number.

The report is arranged in 3 sections. The first section outlines the methodology used and the integration of the census of agriculture with the census of population and dwellings. The second section presents the main findings of the census of agriculture presenting comparisons with previous censuses to illustrate how the sector has changed over time. The third section analyses additional data on the agricultural sector captured as part of the Census of Population and Dwellings 2011.

The census impacted on every household in the country and without the support from the public it could not have been realised. We would like to thank all those farmers and households that contributed so willingly to this Census as well as the team of enumerators that collected the information. Thanks also go to the staff of the Ministry of Agriculture who acted as supervisors and coordinators and the staff of the Statistics Office who provided technical guidance and the overall coordination of the joint census programme. The data processing was carried out by Mr. Kevin Hosking, Statistics Division and technical support was provided by the Food and Agriculture Organization of the United Nations (FAO), for which the Government is extremely grateful.



Dr. Mat Porea  
Secretary,  
Ministry of Agriculture



Ms. Taggy **Tangimetua**  
Government Statistician,  
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# CONTENTS

<b>MESSAGE FROM THE MINISTER</b>	I
<b>ACKNOWLEDGEMENT</b>	II
<b>FOREWORD</b>	III
<b>CONTENTS</b>	V
<b>INTRODUCTION and MAIN RESULTS</b>	
Section 1: Introduction, Background and Methodology	1
Section 2: Main Results of the Census of Agriculture 2011	8
Section 3: Data from the Census of Population and Dwellings 2011	19
<b>CENSUS TABLES</b>	27
Set 1: Household Details	28
Set 2: Holding Details	38
Set 3: Parcel Details	60
Set 4: Livestock Details	92
Set 5: Capture Fishing	110
Set 6: Pearl Farming	122
Set 7: Selected Tables from the Census of Population and Dwellings 2011	134
<b>ANNEXES</b>	
Annex 1: The Census Questionnaires	144
Annex 2: Crop Planting Densities	150
Annex 3: Definition of Terms and Concepts	155
Annex 4: List of Census Staff	160

## **SECTION 1: BACKGROUND AND METHODOLOGY**

### **Background**

1.1 The Cook Islands consists of 15 islands with a land area of 237 square kilometres scattered over 2 million square kilometres of the South Pacific Ocean. The islands are split geographically into the Northern Group and the Southern Group. The main island, and seat of Government, is Rarotonga in the Southern Group. It is also the single largest island with a land area of 67 square kilometres and a resident population of 10,572 (CoPD 2011). Other islands in the Southern Group have good transport and communications links and all lie within 150 nautical miles of Rarotonga. The Northern Group, on the other hand, with a combined population of 1,112 persons (CoPD 2011) are not only physically very small but lie some considerable distance from Rarotonga, the furthest being Penrhyn some 737 nautical miles away. Here transport and communications links are much less developed than for the Southern Group making census and survey taking that much more difficult.

1.2 For the country as a whole, tourism is the single most important economic sector though much of the tourist industry is focused on Rarotonga and to a lesser extent Aitutaki. Agriculture, though small in terms of its contribution to GDP (3%), remains an important sector in terms of food production and food security. It is also important in terms of employment and as a means of livelihood, especially on the more remote islands.

1.3 A significant feature of the Cook Islands is the migratory movement of the population. Cook Islanders are also New Zealand citizens and can move freely between the two countries. It is estimated that some 60,000 persons of ethnic Cook Islands Maori descent currently live in New Zealand, about 4 times as many as are currently living in the Cook Islands. These family ties facilitate the migration of Cook Islanders to New Zealand and many young persons are drawn there for education and employment opportunities. This has resulted in a sharp decline in the population of the more remote islands, particularly in the Northern Group but also Mangaia, Atiu, and Mauke in the Southern Group, where the population has roughly halved over the last 25 years (1986-2011). Even on Aitutaki the resident population has declined over this period and it is only Rarotonga that has had a relatively stable resident population at around 10,000.

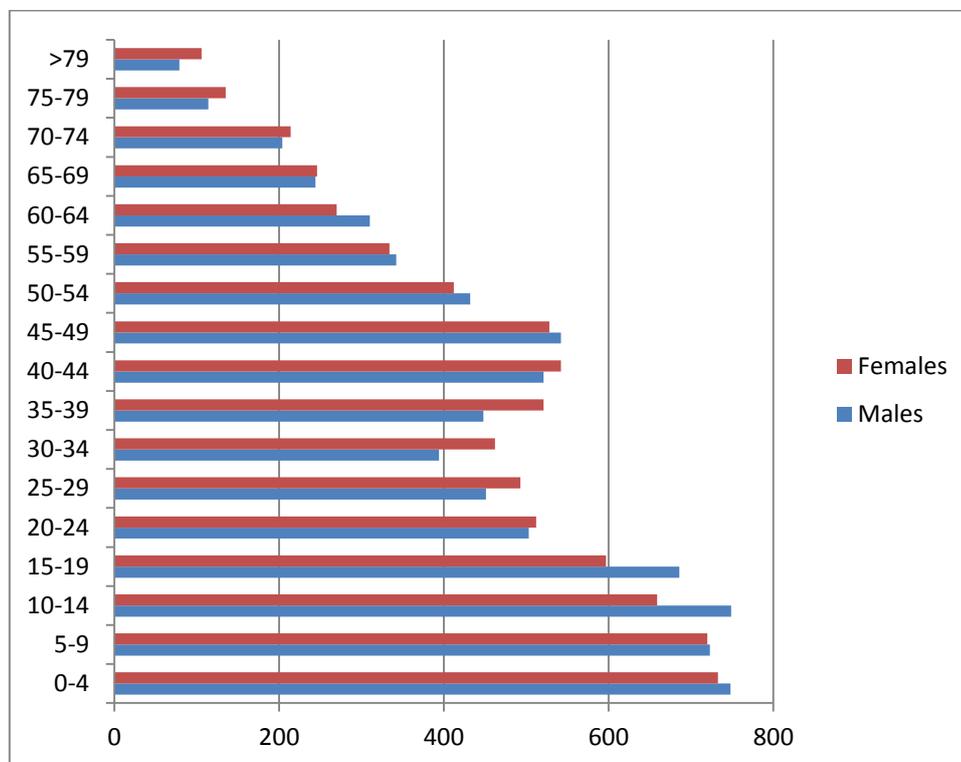
**Table A: Resident Population by Island 1986, 1991, 2001 and 2011**

<b>Island</b>	<b>1986</b>	<b>1991</b>	<b>2001</b>	<b>2011</b>
Rarotonga	8,972	9,967	9,424	10,572
Aitutaki	2,281	2,252	1,743	1,771
Mangaia	1,224	1,176	739	562
Atiu	954	1,000	600	468
Mauke	685	622	469	300
Mitiaro	273	244	226	189
Palmerston	66	49	48	60
Pukapuka	761	670	662	451
Nassau	119	102	72	73
Manihiki	466	655	497	238
Rakahanga	281	261	158	77
Penrhyn	497	501	351	213
Suwarrow	6	10	1	-
<b>COOK ISLANDS</b>	<b>16,593</b>	<b>17,518</b>	<b>14,990</b>	<b>14,974</b>

*Source: Cook Islands Statistics Office*

1.4 The Age-Sex distribution of the resident population, as determined in the CoPD 2011, illustrates the impact of outward-migration at the younger ages, particularly amongst the males, starting with 15-19 year age group taking advantage of wider education opportunities overseas and then followed by the 20-29 year age group looking for further education or employment opportunities overseas. It is not until the age of 40 that the distribution returns to normal.

**Figure 1: Age-Sex Distribution of Resident Population by Age Group 2011**



Source: Cook Islands Statistics Office, CoPD 2011

1.5 The period 1986-2011 has also witnessed a significant increase in the number of visitor arrivals from 30,000 in 1986 to 113,000 in 2011 resulting in considerable new employment opportunities in the tourism industry. This period has also seen a steady increase in imported foodstuffs, up from NZ\$10.3 million in 1986 to NZ\$33 million in 2011, and the dietary shift away from local produce to imported foodstuffs. With almost full employment and a steady flow of remittances, interest in subsistence production has greatly diminished over the years and this is reflected in the latest census data.

1.6 The first Census of Agriculture (CoA) in the Cook Islands was conducted in 1988 and the second in 2000. Both censuses were supported technically by FAO. The Cook Islands also has a long history of population census taking at 5-yearly intervals in years ending in 1 and 6. Traditionally the Census of Population and Dwellings (CoPD) has included questions on agricultural activity at the household level, types of crops grown, livestock numbers, farm machinery and involvement in fishing and pearl farming activities. Section 3 of this report looks at data collected in the CoPD 2011 related to agricultural, fishing and pearl farming activities.

## Census Approach

1.7 In considering the approach to be adopted for the CoPD 2011, the need to also conduct a census of agriculture was recognised and a decision taken, in line with FAO recommendations, to integrate the two censuses. The questionnaires used for the CoA 2000 and the CoPD 2006, related to agriculture, were reviewed and efforts made to avoid duplication. In particular, the question on the numbers of livestock kept by the household was dropped from the CoPD as this data was being collected in the CoA. Likewise, information on machinery and equipment was dropped from the CoA as this was being collected in the CoPD. Questions on the extent of involvement in agricultural activity at the household level were maintained in both censuses as was the extent of involvement in fishing and pearl farming. This provided a useful coverage check for the CoA, in particular, although it was noted that there were definitional differences between the two censuses especially related to flower cultivation which was considered an agricultural activity in the CoPD but not in the CoA. At the individual level, data on labour inputs was recorded in the CoA by age and sex but other data at the individual level has then to be obtained through linkages to the CoPD through the person and household number.

1.8 The approach adopted to the data collection was to have two separate teams of supervisors and enumerators, one for the CoPD and another for the CoA. The MoA was responsible for the CoA team while the Cook Islands Statistics Office (CISO) was responsible for the CoPD team. Training for the CoA was carried out in a number of locations, prior to the fieldwork. This training was scheduled as a single session of a few hours and focused on the completion of the census forms. This was in contrast to the training for previous census where training of trainers and supervisors was first organised over 3 days. This was followed by the training of the enumerators, again over 3 days. The very short duration of the training of supervisors and enumerators for the CoA 2011 adversely impacted on the quality of the fieldwork which was sub-standard in many areas.

1.9 Both censuses used the statistical Enumeration Area (EA) for the allocation of households and work areas. In each Census District, the CoPD was first conducted. The list of households engaged in agriculture and fishing in each EA was then passed to the CoA team which then visited these households to complete the CoA.

1.10 For the Northern Group the two census teams travelled together on the police patrol boat. The two census teams also worked very closely together to help each other out and to complete the fieldwork within the time allocated for each island. For the Southern Islands, the fieldwork for the two censuses was less integrated although lists of households engaged in agricultural and fishing activities, identified in the CoPD, were made available to the CoA teams. In total, 19 supervisors and 83 enumerators were used.

1.11 Despite the best efforts of the organisers, the fieldwork for the CoA got delayed. The CoPD enumerated the population on 1 December 2011, however, much of the fieldwork for the CoA was carried out after that date and very quickly got caught up in the festive season. A review of the coverage in January 2012, EA by EA, identified significant under-enumeration in a number of EAs and especially those on Rarotonga. Using the lists of households engaged in agriculture and fishing activities from the CoPD, the worst affected EAs were identified and the enumerators went back to interview the households that had not been visited.

1.12 Prior to this 'mopping-up' exercise the enumerators were re-trained on how the census questionnaires should be completed as well as on the main concepts and definitions. Clarification was provided on the classification of households into the four categories: non-agricultural, minor

agricultural, subsistence and commercial as it had been noted that many households with just one or two fruit trees had been treated as non-agricultural rather than minor agricultural and in fact many had not even been visited as non-agricultural households did not need to be visited.

1.13 Following the data collection exercise, the forms were checked, edited and coded and prepared for 'scanning'. Scanning technology for data capture was used in the CISO for the first time for the CoPD 2011 and the CoA 2011. The data processing exercise for the CoPD was completed first and then followed by the data processing exercise for the CoA. The length and complexity of the CoA forms made the later exercise much more time consuming and virtually all records had to be edited. The data capture and data cleaning exercise for the CoA took the best part of 12 months, including the adjustments following the re-enumeration of Aitutaki. Tabulation also proved to be challenging because of the need for considerable internal computation of areas and numbers of plants. The final database was then split up into a number of smaller databases designed for each set of tables. The tabulation was done using Microsoft excel and ACCESS.

## Data Quality

1.14 In interpreting the results of the CoA, account needs to be taken of the fact that households classified as having no agricultural or fishing activities in the CoPD were excluded from the CoA, especially on Rarotonga. Other definitional differences between the two censuses should also be noted. The CoPD defined agricultural activity as crops, livestock and floriculture whereas the CoA definition was primarily crops. Livestock and poultry raising was treated separately in the CoA and flower growing was only included in the CoA if it was a commercial activity or was carried out in conjunction with food crop activities.

**Table B: Resident Population and Number of Households by Level of Agricultural Activity**

Location of Household	Total Resident Population	Total Number of Households	Level of Agricultural Activity			
			No Agriculture	Subsistence Only	Subsistence and Commercial	Commercial Producers
<b>Rarotonga</b> <i>(percent)</i>	<b>10,572</b>	<b>3,154</b> <i>100</i>	<b>1,056</b> <i>33</i>	<b>1,860</b> <i>59</i>	<b>215</b> <i>7</i>	<b>23</b> <i>1</i>
<b>Other Southern Islands</b> <i>(percent)</i>	<b>3,290</b>	<b>939</b> <i>100</i>	<b>152</b> <i>16</i>	<b>638</b> <i>68</i>	<b>141</b> <i>15</i>	<b>8</b> <i>1</i>
<b>Northern Islands</b> <i>(percent)</i>	<b>1,112</b>	<b>279</b> <i>100</i>	<b>38</b> <i>14</i>	<b>238</b> <i>85</i>	<b>3</b> <i>1</i>	<b>-</b> <i>-</i>
<b>COOK ISLANDS</b> <i>(percent)</i>	<b>14,974</b>	<b>4,372</b> <i>100</i>	<b>1,246</b> <i>28</i>	<b>2,736</b> <i>63</i>	<b>359</b> <i>8</i>	<b>31</b> <i>1</i>

*Source: Cook Islands Statistics Office CoPD 2011*

1.15 The CoPD had 4 categories of agricultural activity, namely: Subsistence only, Commercial only, Subsistence and Commercial and No agriculture. For those engaged in agricultural activity a further breakdown was collected, namely: vegetables, fruit, flowers and other. The CoA also had 4 categories but for crop growing only, namely, non-agricultural, minor agricultural, subsistence and commercial. The differences in these classifications and the types of agriculture included make comparisons difficult, however, it is useful to evaluate the two sets of data and draw conclusions as to the extent of agricultural activity in the Cook Islands from these two sources.

1.16 Table B shows the level of agricultural activity of households as recorded in the CoPD 2011. 28 percent of households were recorded as having no-agriculture, 63 percent as subsistence only, 8 percent as subsistence and commercial and 1 percent as commercial. In terms of crops grown, the CoPD 2011 recorded 31 percent of households growing vegetables, spices and herbs, 43 percent as growing fruit and tree crops, 35 percent as growing flowers and 3 percent other (see Table C). Unlike in previous censuses, and because the CoA was being conducted at the same time as the CoPD, no information was collected in the CoPD to separately identify how many households were engaged in raising livestock and poultry.

1.17 In evaluating the CoPD 2011 data, it is also useful to make some comparisons with the data from the CoPD 2006. This showed 48 percent of households as non-agricultural, 49 percent as subsistence and 3 percent as commercial (Rarotonga 59 percent non-agricultural, 38 percent subsistence and 3 percent commercial). This would 'prima facie' imply that the proportion of households engaged in agriculture has risen quite markedly between 2006 and 2011. Some of this increase is explained by flower growing, a relatively new activity with some 1,524 households engaged in this activity in 2011. However, the general consensus was that agricultural activity (crops and livestock) was on the decline, especially on Rarotonga.

**Table C: Resident Population and Number of Households by Types of Crops Grown**

Location of Household	Total Resident Population	Total Number of Households	Households growing Crops			
			Vegetables, Spices, Herbs	Fruit and Tree Crops	Flowers	Other
<b>Rarotonga</b> <i>(percent)</i>	<b>10,572</b>	<b>3,154</b>	<b>881</b>	<b>1,325</b>	<b>1,094</b>	<b>43</b>
<b>Other Southern Islands</b> <i>(percent)</i>	<b>3,290</b>	<b>939</b>	<b>340</b>	<b>431</b>	<b>341</b>	<b>83</b>
<b>Northern Islands</b> <i>(percent)</i>	<b>1,112</b>	<b>279</b>	<b>123</b>	<b>126</b>	<b>89</b>	<b>1</b>
<b>COOK ISLANDS</b> <i>(percent)</i>	<b>14,974</b>	<b>4,372</b>	<b>1,344</b>	<b>1,882</b>	<b>1,524</b>	<b>127</b>

*Source: Census of Population and Dwellings 2011*

1.18 The CoA 2011 also had 4 categories of agricultural activity but these were different to those used in the CoPD 2011. The four categories were: Non-agricultural, minor agricultural, subsistence and commercial. Non-agricultural was determined in terms of crops only; minor agricultural was a category of households growing very small quantities of crops defined as less than 64 sq.m. of garden crops and/or less than 20 fruit trees; subsistence households were evaluated as growing more than the minimum quantities grown by minor agricultural households but not selling any produce; commercial households were growing more than the minimum quantities and also selling their agricultural produce. Commercial agricultural enterprises, outside the household sector, were also included in the CoA 2011.

1.19 Table D summarises the results of the CoA 2011 by level of agricultural activity. From this it can be seen that number of households enumerated was 2,334 compared to 4,372 in the CoPD 2011 a difference of 2,038 households of which 1,883 were on Rarotonga. This difference was, in theory, households with no agricultural activity but only 1,246 such households were recorded in total in the

CoPD 2011 and 252 of these were also recorded in the CoA 2011 so only the difference of 994 households can be assumed to be non-agricultural leaving 1,044 households still to be accounted for.

**Table D: Number of Households, by Level of Agricultural Activity and Location of Household**

Location of Household	Number of Households (CoPD 2011)	Assumed Non Agricultural	Level of Agricultural Activity (CoA 2011)			
			Non Agricultural	Minor Agricultural	Subsistence Only	Commercial
Rarotonga	3154	1,883	39	659	333	240
<i>Percent</i>		60	1	21	11	8
Other Southern Islands	939	141	97	77	450	174
<i>Percent</i>		15	10	8	48	19
Northern Islands	279	14	21	166	78	-
<i>Percent</i>		5	8	59	28	-
<b>COOK ISLANDS</b>	<b>4372</b>	<b>2038</b>	<b>157</b>	<b>902</b>	<b>861</b>	<b>414</b>
<i>Percent</i>		47	4	21	20	9

Source: Census of Agriculture 2011

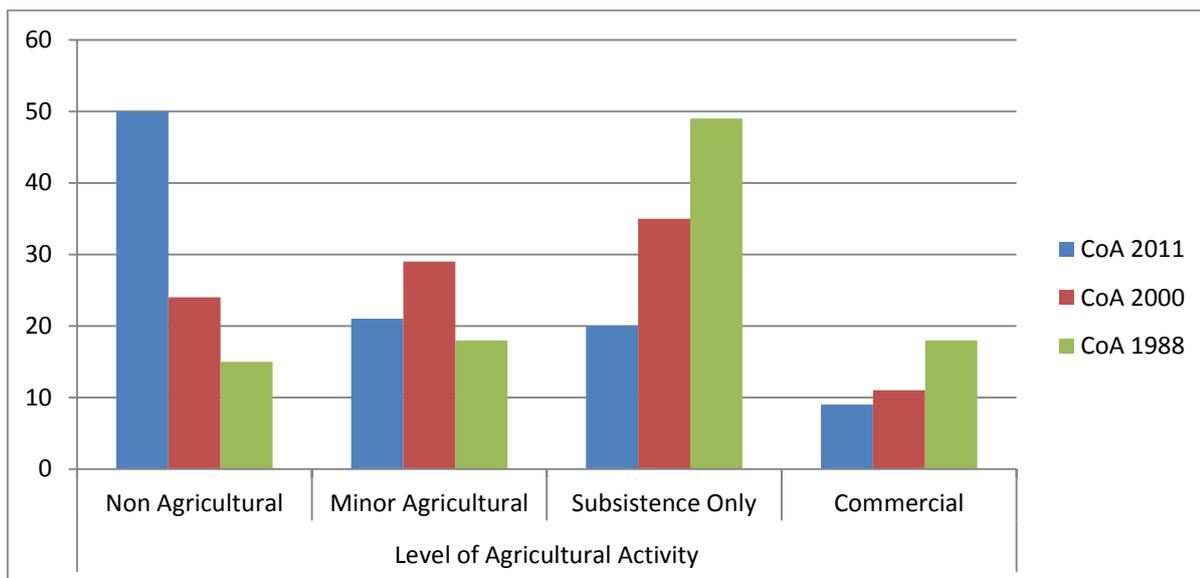
1.20 To a large extent this difference is due to differences in the definition between the two censuses of an agricultural and a non-agricultural household. Looking at the two groups of households selling produce (CoPD - subsistence & commercial plus commercial and CoA - commercial) we see a good correlation of 390 households in the CoPD and 414 in the CoA. The biggest group in the CoPD was subsistence with 2,736 households in this category compared to 1,763 (minor agriculture households plus subsistence) in the CoA, a difference of 973. This much higher figure in the CoPD is due in part to the treatment of flower growing as an agricultural activity in the CoPD, an activity practised by 1,524 households (35% of all households). While some of these households would be engaged in other agricultural activities, and thus included in the CoA definition of an agricultural household, for many of these households this was their only agricultural activity and they would not have been included in the CoA. In addition, livestock and poultry raising was considered as an agricultural activity in the CoPD but was not included in the CoA definition. This would also account for another significant group of households treated as agricultural in the CoPD but non-agricultural in the CoA. (livestock was covered in the CoA but not included in the definition of agricultural activity. Some 1,595 households were recorded as keeping livestock in the CoA).

1.21 Another comparison is to look at the data from the previous census of agriculture CoA 2000 and the previous census of population and dwellings CoPD 2001. These two censuses showed a reasonably good correlation across all categories. Non-agricultural 24 percent and 31 percent; Subsistence 64 percent and 66 percent; Commercial 12 percent and 4 percent (CoA and CoPD respectively). Going back still further to the first census of agriculture CoA 1988 we find 15 percent of households classified as non-agricultural, 67 percent as minor agricultural/subsistence and 18 percent selling part or all of their agricultural production.

1.22 While the proportion engaged in some form of subsistence agriculture, however small, remained fairly constant between 1988 and 2000, the proportion of non-agricultural households increased from 15 to 24 percent and the proportion of households selling part or all of their production fell from 18 to 12 percent showing a marked decline in the intensity of agricultural production, a trend one would expect to have seen continuing between 2000 and 2011. However, the CoPD 2011 recorded only 28 percent of households as non-agricultural, a smaller percentage than that recorded in

CoPD 2001 (31%), implying that proportionately fewer households were non-agricultural and thus there had been an uptake in agricultural activity over this period. The CoA 2011, on the other hand, shows the proportion of households selling part or all their agricultural produce at 10 percent (down from 12 % in 2000 and 18 % in 1988) while the proportion of households engaged in minor or subsistence agricultural activities was 38 percent (down from 64% in 2000 and 67% in 1988). The number of non-agricultural households in CoA 2011 (by calculation assuming all households not interviewed were non-agricultural) is estimated at 2,195 or 50 percent. This figure is considerably higher than the estimate from the CoPD 2011 of 28 percent and higher than the trend between 1988 and 2000 would project (around 35%).

**Figure 2: Percentage of Households by Level of Agricultural Activity 1988, 2000 and 2011**



1.23 A Post Enumeration Survey (PES) was carried out in selected EAs on Rarotonga and Aitutaki to evaluate some of the key data items. The results for Rarotonga showed a good correlation between the census fieldwork and the PES on agricultural activity. Both the CoA and the PES showed a much lower degree of agricultural activity than the CoPD. The data in terms of Households enumerated/ Households engaged in agriculture were 206/144; 81/81; 211/67 (CoPD, CoA and PES respectively). This confirms that (1) only households engaged in agriculture were enumerated in the CoA, and (2) the CoA only considered 56 percent of the households classed as agricultural in the CoPD as agricultural in the CoA (81 out of 144). For Aitutaki, the PES showed a much higher proportion of households engaged in agriculture than the CoA and even higher than the CoPD. In view of this large difference, and the known under-coverage on Aitutaki, a re-enumeration of Aitutaki was organised.

1.24 The conclusion on the evaluation of the census of agriculture data quality is, that while by no means perfect, the data does accurately reflect the trends in agricultural activity since the last census of agriculture in 2000 and provides good estimates of the structure of the agricultural sector at the time of the census. The other conclusion is that the results of the CoA 2011 and the CoPD 2011, as they relate to agricultural activity, are not comparable due to definitional differences.

## **SECTION 2: THE MAIN FINDINGS OF THE CENSUS OF AGRICULTURE**

2.1 As described in the section on the methodology, some 2,334 households and agricultural enterprises were enumerated in the Census of Agriculture (CoA) 2011 out of 4,372 households existing in Cook Islands at that time (CoPD 2011). In terms of the level of agricultural activity, defined in terms of crop production, 157 households were identified as having no agricultural activity although it should be noted that of these, 148 kept livestock. All the households not enumerated in the CoA are assumed to be non-agricultural bringing this total to 2,195. 902 households were classified as having minor agricultural activity, 861 households were engaged in subsistence crop production and 414 households and agricultural enterprises were engaged in commercial crop production (producing crops for sale). Table E shows the number and percent of households by agricultural activity for the three censuses of agriculture in 1988, 2000 and 2011.

**Table E: Number and Percent of Households, by Level of Agricultural Activity CoA 2011, 2000 and 1988**

Census	Total Number of Households	Level of Agricultural Activity			
		Non Agricultural	Minor Agricultural	Subsistence Only	Commercial
CoA 2011 <i>(percent)</i>	4,372	2,195 <i>50</i>	902 <i>21</i>	861 <i>20</i>	414 <i>9</i>
CoA 2000 <i>(percent)</i>	3,646	893 <i>24</i>	1056 <i>29</i>	1289 <i>35</i>	408 <i>11</i>
CoA 1988 <i>(percent)</i>	3,170	475 <i>15</i>	560 <i>18</i>	1,567 <i>49</i>	568 <i>18</i>

2.2 Comparisons between the three censuses show a steady decline in commercial and subsistence agricultural activity and a rise in households reporting non-agricultural activity. These figures for the Cooks Islands are heavily influenced by the situation on Rarotonga, home to 71 percent of the resident population and the bulk of the tourists. On Rarotonga, the proportion of non-agricultural households was 61 percent with a further 21 percent classified as minor agricultural households. This compares with 25 percent of households classified as non-agricultural and 8 percent as minor agricultural on the other Southern Islands group. For the Northern Islands only 12 percent of households were classified as non-agricultural with 60 percent classified as minor agricultural households and 28 percent as subsistence though the differentiation between minor agricultural households and subsistence households for the Northern Islands should, for the most part be ignored, as many of the minor agricultural households had sufficient numbers of fruit trees to classify them as subsistence households. This highlights the fact that the move away from agriculture is most visible on Rarotonga while the change is far less dramatic on the other islands.

2.3 One particular feature of the agricultural activity in the Cook Islands is the level of commercial and semi-commercial activity. This has fallen from 18 percent of households in 1988 to only 9 percent in 2011. What is noticeable, however, is that this reduction has been on islands where commercial production in specific crops such as bananas on Aitutaki and pineapples on Atiu has come and gone. On Rarotonga, while specific export crops such as pawpaw have also come and gone, demand for local produce from both the resident population as well as from the hotels and restaurants,

has maintained a small but important commercial sector. In 1988, of the 568 commercial/semi-commercial farmers, 238 were on Rarotonga. 25 years later the total number has dropped to 414 but there were still 238 commercial/semi-commercial farmers on Rarotonga. So while it is clear that agricultural activity at the household level has declined significantly over the 25 years (1986-2011) due to the changing life style, the aspirations of the youth and the increasingly cash economy, demand for local produce is still very visible and provides a livelihood for a small but relatively stable number of farmers on Rarotonga.

## Land Area, Land Tenure and Land Use

2.4 The location, area (acres or sq.m.), land tenure and land use of each parcel was recorded as was the number of months the parcel had been in continuous use or left fallow. This was the section of the forms most likely to capture the actual area of the parcel as opposed to a land area code used elsewhere on the forms. However, even here there was some confusion as to whether or not numbers entered in the 'acres' column was actually an area or a code. Because this area data was fundamental to the whole analysis of the crop data as well as to the other analysis related to land area, at the editing stage, an evaluation was made of the area code for the holding entered in Section II of the Household Form and the Total Area of the Holding entered in the header of the Holding Form. Through this information it was possible to come up with a meaningful physical area for each parcel of land.

2.5 The total area of holdings was estimated at 1,489 acres down from 2,543 acres in 2000 and 6,435 acres in 1988. The estimate of the area of holdings in 2011 is under-reported, particularly in the Northern Islands, where many households were classified as minor agricultural households but in fact qualified as a subsistence household through the number of trees owned. Despite this caveat, the decline in the area of holdings is consistent with the decline in the number of agriculturally active households.

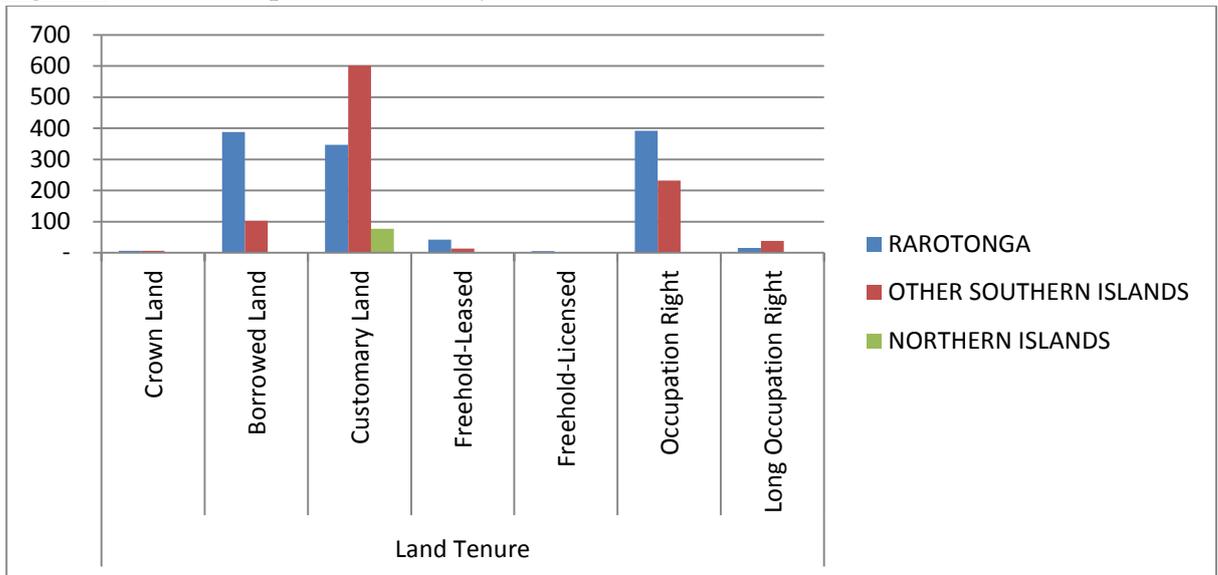
**Table F: Holding and Parcel Characteristics 2011, 2000, 1988**

Census Year	Number of Holdings	Number of Parcels	Area of Holdings/ Parcels (acres)	Parcels per Holding	Average Holding Size (acres)	Average Parcel Size (acres)
2011	1269	2458	1489	1.9	1.2	0.6
2000	1721	3467	2543	2.0	1.5	0.7
1988	2188	6399	6435	2.9	2.9	1.0

2.6 The number of holdings has declined from 2,188 in 1988 to 1,721 in 2000 and 1,275 in 2011 while the average holding size has also declined from 2.9 acres in 1988 to 1.5 acres in 2000 and 1.2 acres in 2011.

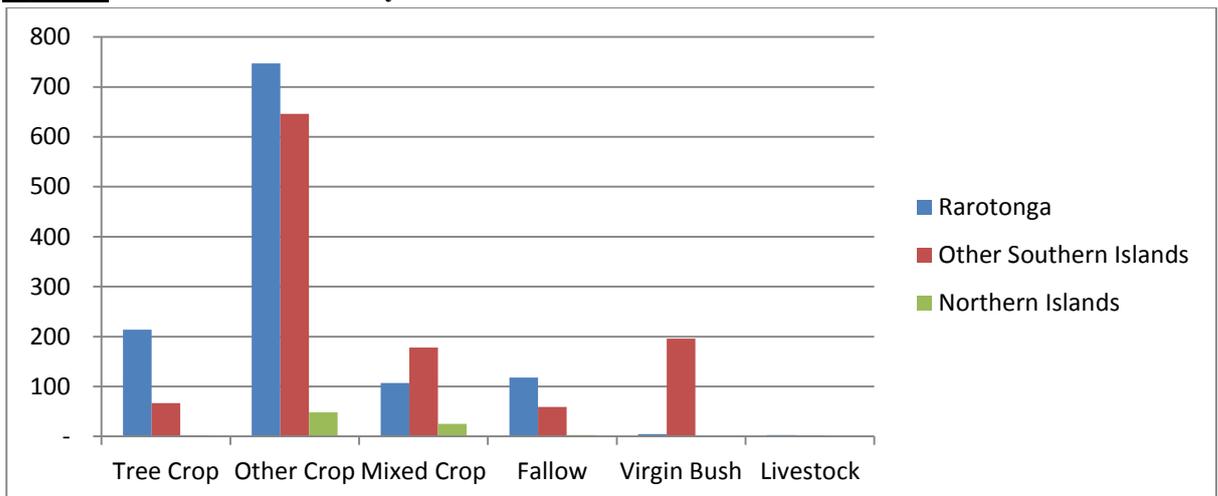
2.7 In terms of land tenure, customary land was the most common type of land tenure, particularly outside Rarotonga. Borrowed land was common on Rarotonga as was 'occupation rights'.

**Figure 3: Number of parcels of land by Land Tenure.**



2.8 In terms of land use, other crops (interpreted as root and vegetable crops) were the dominant land use category with over half the land parcels in this category (1,441 parcels with an area of 616 acres). Some 283 parcels (188 acres) were classified as under tree crops and a further 310 parcels

**Figure 4: Number of Parcels by Land Use**



under mixed crops (129 acres). In interpreting this data it is interesting to consider the data on crops growing on the holdings with 322 acres of tree crops growing in parcels which compares with the land use area under tree crops and mixed crops of 317 acres. What does not hold up so well to comparison, however, is the 616 acres of ‘other crops’ in the land use category, assumed to be vegetables and root crops, which compares with only 340 acres of such crops recorded. One explanation is the large area of fallow land within the parcels recorded at the time of the census. Fallow land accounted for 180 parcels (95 acres) and a large area (439 acres) of virgin bush was recorded, mainly on Aitutaki, land that had returned to virgin bush due to lack of cultivation.

2.9 A similar pattern of land use was seen in 2000 although almost no land under virgin bush was recorded.

2.10 Information on the length of continuous use of parcels in use was considered to include parcels used for tree crops, other crops, mixed crops and livestock while land not in use was considered to include fallow land, virgin bush, land under non-agricultural use and not stated/unknown use. The average continuous period of use for land in use was 12-months.

## Crops

2.11 The Census was designed to capture crop data based on the method of growing. For agricultural holdings, comprising subsistence and commercial farmers, the majority of crops were grown in parcels belonging to a holding either as a single or mixed crop or as a scattered crop (usually comprising coconuts or fruit trees). Crops, again especially coconuts and fruit trees growing on the parcel boundaries, around the house or elsewhere outside the parcels of land were also considered. In addition, in order to make an estimate of the area of each crop harvested on an annual basis, data was collected on vegetable and root crops planted and already harvested within the 12 months prior to the census on the land belonging to the holding.

2.12 The data for these four categories is presented in Tables 3.1-3.19 in terms of the number of plantings, numbers of plants and area:

- (1) For crops growing in parcels other than scattered crops, the area was calculated by taking the total area of the parcel and applying the proportion of plot area to parcel area to get the plot area. The number of plants was estimated by applying the crop density factor or plants/acre shown at Annex. Tables 3.1-3.7 refer.
- (2) For crops planted as a scattered crops in the parcel, the number of plants was summarised and the area was calculated by dividing the number of plants by the plants/acre (see Annex 2). However, it should be noted that of the 410 such plantings recorded only 201 provided the number of plants. The data has, therefore been pro-rated upwards by the factor of total number reporting a crop/number providing number of plants X number of plants reported by crop and by island. Tables 3.8-3.13 refer.
- (3) For crops planted as scattered crops outside the parcel, the number of plants/trees has been summarised and the area calculated using the planting densities (see Annex 2).
- (4) For crops planted and already harvested in parcels in the 12 months prior to the census day, the number of plants has been used in all cases since the data on area (acres or square metres) was not considered reliable due to the use of area codes. Tables 3.23 refer

2.13 As well as crops grown by households that had a holding, crops were also recorded for 'minor agricultural households' defined as households with small numbers of trees/plants. In the event some households in the Northern Islands, that should have been classified as 'subsistence' and therefore would have had a holding and parcel forms, were classified as minor agricultural households since data on numbers of plants were available but not land area. Account should be taken of this when analysing the data from the Northern Group.

2.14 Minor Households had only two categories of crops namely, crops currently growing and crops planted and already harvested in the 12 months prior to the census day. In both cases the

number of plants was used and not the area which was recorded as a code. The area estimates were made using the plant density factors (see Annex 2).

2.15 Crops growing in parcels, other than scattered crops was by far the single most important method of planting for vegetables and root crops. While some tree crops are grown in plantations (pawpaw, banana, nono, citrus and coconut) many are grown around the house or as scattered trees around the property. The census found that for many tree crops, the scattered trees made up the majority of the fruit trees. Minor agricultural households also contributed a significant number of avocado, banana, breadfruit, citrus, coconut, mango and pawpaw trees.

2.16 As well as the crops growing at the time of the census, efforts were made to estimate the vegetable and root crops that had been planted during the 12 months prior to the census and already harvested. By including this category, estimates of the annual area planted could be made. This was done both for crops grown in parcels as well crops grown by minor agricultural households. A classic example of such a crop would be lettuce which has a growing cycle of less than 2 months. While some 34,350 plants were recorded as being in the ground at the time of the census, only 17,397 plants had already been harvested. This would appear to be a gross under-estimate of the area planted to lettuce in 2011. An alternative method of estimation would be to take the number of plants in the ground at the time of the census and then apply a factor for each crop based on the average number of crop cycles each year. For lettuce this might be 4 and so the total number of plants would be 4 X 34,350. The important concept is that the figures of plants/trees in the ground at the time of the census would equate to the annual area for most tree crops but would be an under-estimation for vegetables and to a lesser extent for root crops.

2.17 Tables 3.26 and 3.27 summarise the area and number of plants for selected crops for the year 2011 by method of growing. The total area was estimated at 2,028 acres of which 1,406 acres was inside parcels. In this regard, it should be noted that the total area in parcels was estimated at 1,489 acres (table 2.4 refers). The lower figure calculated based on the summation of the plot data is due to some 200 plot records that could not be matched to the holding records. This accounts for the difference of 83 acres. Also of note is the fact that some 539 acres were recorded as fallow, virgin bush, livestock or non-agricultural parcels under the land use classification, yet the analysis by plot shows this as 795 acres. In reality many parcels classified as under crops have plots of land within them that are fallow whilst some area classified as fallow have small areas of crops or scattered trees on them. To illustrate this we note that 180 parcels were recorded as fallow parcels under the land use classification yet 1,642 plots of fallow land, within parcels, were recorded in the census.

2.18 While comparison with earlier censuses has limitations, mainly due to the different plant densities used in the calculations of single crop equivalent areas based on the numbers of plants and trees, it is still useful to look at the trends in table. The cropped area in parcels has declined quite dramatically over the 25 years. These crops are typically vegetables and root crops but also include significant areas of banana, nono, orange, and papaw. This downward trend follows the similar trend in the number of households engaged in subsistence/commercial activities. The area of coconuts and fruit trees grown as scattered crops has not declined so markedly reflecting the fact that many such trees growing 25 years ago are still bearing. Many households, previously classified as subsistence are now only classified as minor agricultural households as their level of activity declines. With the increase in size of this group compared to 1988, it is not surprising to see the area of crops grown also increasing though this is distorted to some extent by the inclusion of a number of such households in the Northern Islands that should have been classified as subsistence. The area of plants already harvested in the crop year has declined very considerable, much more than would have been expected

indicating that some under-reporting may have taken place. An area of about 150 acres would have been in line with expectations based on previous censuses.

**Table G: Annual Crop Area by Method of Planting**

Census Year	Single/Mixed Crops in Plots	Scattered Trees	Minor Agricultural Households	Plants Already harvested	Total Annual Cropped Area
2011	611	794	210	59	1,674
2000	1,818	689	160	427	3,094
1988	4,389	1,369	73	934	6,765

2.19 The tables on crops provide a breakdown by Island. Here it is useful to look at the average area per household growing at the time of the census (excludes crops planted and already harvested) in terms of food security. Tables 3.21, 3.26, 3.27 refer.

2.20 The tables on crops provide data on the size of plantings in terms of numbers of plants and area. For vegetables, the vast majority of plots are less than one quarter of an acre though for tree crops, as one would expect, areas are larger. Melons, cassava, and taro-wet raised are amongst the crops grown in larger plot sizes.

2.21 The census also asked about the proportion of the crop for sale. These data highlight the fact that the majority of the crops produced are consumed at home. However, certain crops such as tomatoes, melons and pineapples, as well as some tree crops are regularly marketed.

2.22 Although more than 150 different crops were recorded, many of these were grown by only a handful of farmers and in small quantities. For this reason only the major crops have been shown separately in the tables following the practice in 2000. Details on other crops grown is available from the Ministry of Agriculture on request.

## Labour

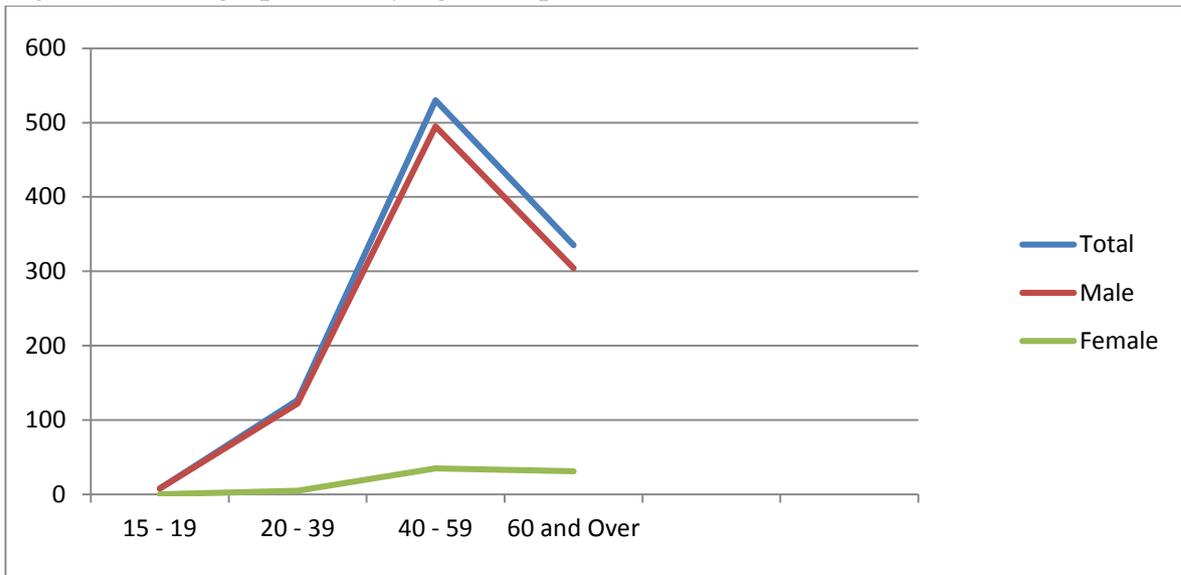
Household Members (table 2.11)

**Table H: Holding Operators by Age-Group and Sex**

	15 - 19	20 - 39	40 - 59	60 and Over
<b>Total</b>	8	127	530	335
<b>Male</b>	8	122	495	304
<b>Female</b>	0	5	35	31

2.23 As with the previous censuses, the CoA 2011 collected information on labour inputs to agriculture. As the 'operator' was not separately identified, for the analysis, the operator has been assumed to be the first person listed on the form. For each person working on the holding, the age and sex were recorded as well as the status (household/non-household member), type (paid/non-paid), average hours worked per week, wages per month, any benefits received and whether the person had another job ( full-time, part-time or none).

**Figure 5: Holding Operators by Age-Group and Sex**



2.24 Table and Figure provide details of the holding operators by age-group and sex. The operators were predominantly male (93%) and the greatest concentration were found in the 40-59 age-group (53%) and the 60 and over age-group (34%). Only 13 percent of operators were found to be under 40 years of age.

2.25 The census identified 543 unpaid household members. This group had a somewhat different profile to the operators being generally younger and with a more equal gender balance. The percentage under 40 and over 40 were roughly the same as were the percentage male and the percentage female.

2.26 Only 35 paid household members were recorded of which 22 were male and 13 female. The paid household members were predominantly aged under 40 years.

#### Non-household members (table 2.12)

2.27 The number of non-household members working on the agricultural holdings was 83. This group comprised 30 operators (36%), 35 paid workers (42%) and 18 unpaid workers (22%). The group was male dominated (87%) and young males aged 20-39 dominated the paid workers (63%).

#### Other paid job

2.28 Among the operators, 49 percent had no paid job, 36 percent had a full-time job and 15 percent had a part-time job. For the paid workers, 71 percent had no other paid job, 16 percent had a full-time job and 13 percent had a part-time job. For the unpaid workers, 60 percent had no paid job, 27 percent had a full-time job and 13 percent had a part-time job.

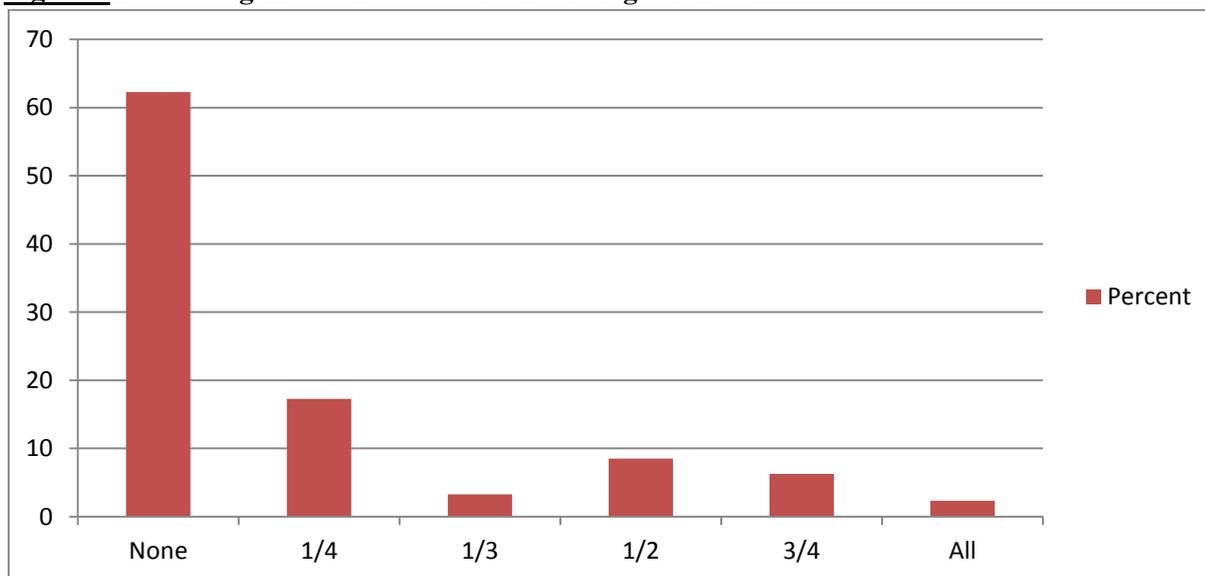
**Figure 6: Percentage of persons working on the holding by work status and other job**



## Agricultural Income and Loans

2.29 Over 60 percent of agriculturally active households generated no income from their agricultural activities. 17 percent generated about one quarter of the household's income from agriculture, 18 percent generated between one third and three quarters of their income from

**Figure 7: Percentage of household income from agriculture**



agriculture while only 2 percent generated all their income from agriculture. Looked at in the context of the level of agricultural activity, 861 households were classified as subsistence only while 414 were classified as semi-commercial/commercial on the basis that they had sold agricultural produce in the 12 months prior to the census. The income data is consistent with this classification with 438 households reported as generating an income from agriculture. If the two categories generating the smallest proportion of income (1/4 and 1/3) are considered as 'occasional' sellers there were 199 households for whom agriculture was the main source of household income (1/2 or more).

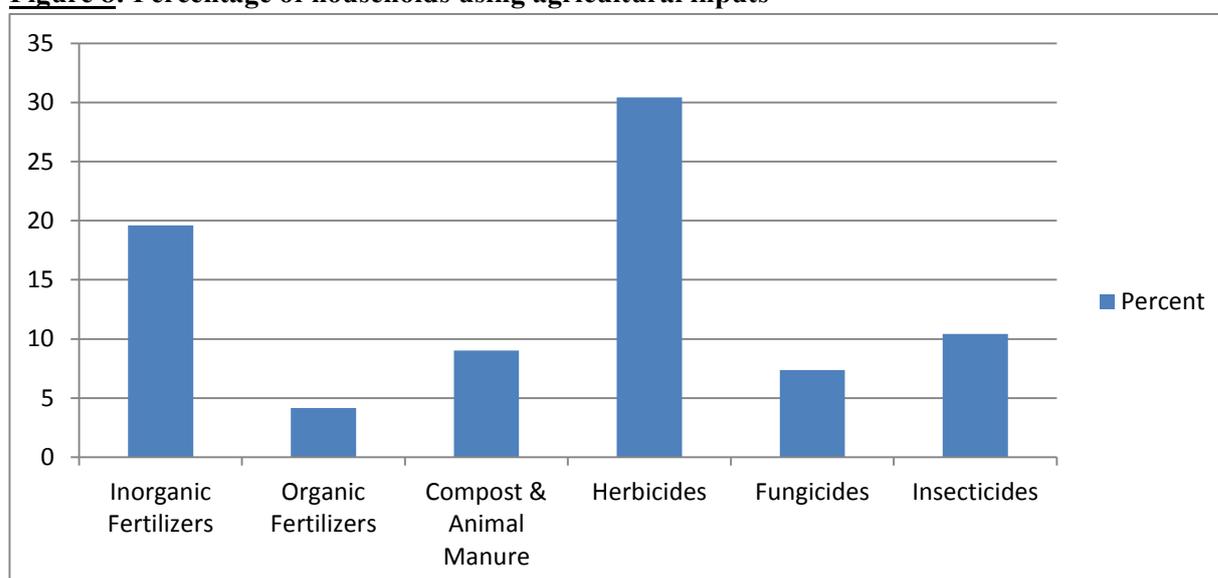
## Agricultural Loans

2.30 Only 34 households were recorded as having an agricultural loan although it should be noted that 161 households did not respond to the question (not stated). As with the question on agricultural income, where 113 households did not respond, questions related to finances are not always well received by respondents and the not stated are difficult to interpret. The number with loans could, therefore be higher and information should be sought from the banking industry to confirm this data.

## Agricultural Inputs

2.31 The use of agricultural inputs are an indicator of the level of technical development of the agricultural sector. 30 percent of households used herbicides and 20 percent used inorganic fertilizers while 13 percent of households used organic fertilizers or compost/animal manure.

**Figure 8: Percentage of households using agricultural inputs**



## Improved planting materials (Table 1.8)

2.32 The census sought to assess the use of improved planting materials. 104 households were found to be using improved/hybrid vegetable seeds, 22 households were each using improved taro and cassava stock, 29 households were using improved/hybrid water melon seeds and 34 households improved planting material for other fruit crops.

## Other agricultural activities (Table 1.9)

2.33 It was recognised that there were a number of other agricultural activities that were not fully covered by the census. These included bee keeping, hydroponic crop production, floriculture and handicrafts. The information collected, however, only relates to agriculturally active households and, therefore, does not reflect the full extent of these activities as all but hydroponics could be practised by other households. In particular, floriculture was covered extensively in the CoPD 2011 where 1,524 households were found to be engaged in growing flowers (see table 8.9). The CoA 2011 recorded 4 agriculturally active households keeping bees, 6 engaged in hydroponics, 9 in floriculture and 12 making handicrafts.

## Livestock

2.34 As part of the census of agriculture, households were asked whether they kept any livestock or poultry. Of the 2,334 households interviewed, 1,595 households were recorded as keeping livestock or poultry. Table 2 shows the breakdown of households keeping livestock or poultry by the level of agricultural activity for Rarotonga, other Southern Islands and the Northern Islands group.

2.35 The data shows that livestock and poultry keeping is typically associated with crop growing. Of the 1,595 households recorded as keeping livestock or poultry, 1,447 or 91 percent were also engaged in crop growing. Only 148 households were recorded as keeping animals but not growing any crops (non-agricultural households). For CoA 2000 some 1,977 households were recorded as keeping livestock while for CoA 1988 the figure was 2,305 households. In terms of the percentages of households keeping livestock and poultry, this has declined from 73 percent in CoA1988 to 54 percent in CoA 2000 and 36 percent in CoA 2011. Again, this hides the considerable difference between Rarotonga and the other islands. On Rarotonga, only 22 percent of households were recorded as keeping livestock while on the other islands it was 74 percent.

2.36 The numbers of livestock kept are shown in Table I. A comparison with the CoA 2000 and the CoPD 2006 shows that the number of pigs has declined from 15,876 to 14,145 and 13,951 (2000, 2006 and 2011 respectively). For goats a small but significant increase is seen over the three censuses from 3,595 to 4,066 and 4,388. For chickens the respective numbers were 24,277, 30,611 and 34,427. However, not too much should be read into changes in the poultry numbers since these are notoriously difficult to collect and a wide margin of error must be assumed. In particular, it is known that the CoA 2000 under-reported the number of chickens on Aitutaki.

**Table I: Number of Livestock, by Type of Livestock and Island**

Location of Household	Type of Livestock Kept					
	Cattle	Horses	Goats	Pigs	Chickens	Ducks
<b>RAROTONGA</b>	<b>185</b>	<b>4</b>	<b>1,211</b>	<b>5,219</b>	<b>12,549</b>	<b>193</b>
<b>OTHER SOUTHERN ISLANDS</b>	<b>55</b>	<b>9</b>	<b>3,177</b>	<b>6,739</b>	<b>18,421</b>	<b>98</b>
Aitutaki	-	-	675	1,889	9,000	57
Mangaia	2	8	1,179	1,782	2,782	41
Atiu	11	1	790	1,512	2,611	-
Mauke	42	-	434	1,013	2,711	-
Mitiaro	-	-	99	543	1,317	-
<b>NORTHERN ISLANDS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,993</b>	<b>3,457</b>	<b>-</b>
Palmerston	-	-	-	7	150	-
Pukapuka	-	-	-	586	2,077	-
Nassau	-	-	-	59	351	-
Manihiki	-	-	-	886	490	-
Rakahanga	-	-	-	182	354	-
Penrhyn	-	-	-	273	35	-
<b>COOK ISLANDS</b>	<b>240</b>	<b>13</b>	<b>4,388</b>	<b>13,951</b>	<b>34,427</b>	<b>291</b>

## Fishing Activities and Pearl Farming

2.37 Data on household involvement in fishing activities and pearl farming was collected in both the CoPD 2011 and the CoA 2011. Table J shows the results from both censuses. The higher number of households engaged in fishing activities on Rarotonga in the CoPD 2011, to a large part, reflects the higher number of households visited in the CoPD (3,154) compared to the CoA (1,270). The differences are less for the Other Southern Islands and the Northern Islands but again, reflect the higher number of households enumerated. For the above reasons, it can be concluded that the data on household fishing activities is more comprehensively covered by the CoPD than the CoA. Persons interested in fishing activities should, therefore, also consult the report on the CoPD 2011, as it relates to these activities. A summary analysis of the CoPD 2011 data on fishing activities is presented in Section 3.

2.38 Of the 930 households reported as engaged in fishing activities in the CoA 2011, 664 (71%) were engaged in subsistence activities with the remainder (29%) selling all or part of the catch (table 1.31). Hook and line was the most common method of fishing followed by 'gill and other net', collecting of shells and trolling (table 1.32). In terms of where the fishing activities took place, the reef was the most common site, both inside and outside, followed by the lagoon. Very little freshwater fishing took place (table 1.33).

2.39 The 930 households engaged in fishing activities had 353 motorised boats between them with an average length of 4.8 metres and an average engine size of 31.6 HP. In addition, 23 non-motorised boats were recorded with an average length of 3.2 metres. Again it should be noted that the CoPD 2011 recorded 321 canoes and 593 motorised boats.

**Table J: Number of Households Engaged in Capture Fishing and Pearl Farming Activities, by Location of Household**

Location of Household	Total Households (CoPD 2011)	Engaged in Capture Fishing		Engaged in Pearl Farming	
		CoPD 2011	CoA 2011	CoPD 2011	CoA 2011
<b>RAROTONGA</b>	<b>3154</b>	<b>951</b>	<b>198</b>	<b>17</b>	<b>1</b>
<b>OTH. SOUTHERN</b>	<b>939</b>	<b>661</b>	<b>538</b>	-	-
Aitutaki	482	307	245	-	-
Mangaia	170	140	116	-	-
Atiu	137	92	75	-	-
Mauke	92	73	60	-	-
Mitiaro	58	49	42	-	-
<b>NORTHERN</b>	<b>279</b>	<b>243</b>	<b>194</b>	<b>42</b>	<b>34</b>
Palmerston	13	11	6	-	-
Pukapuka	101	88	73	-	-
Nassau	13	13	9	-	-
Manihiki	78	70	67	38	34
Rakahanga	21	18	13	3	-
Penrhyn	53	43	26	1	-
<b>COOK ISLANDS</b>	<b>4372</b>	<b>1855</b>	<b>930</b>	<b>59</b>	<b>35</b>

## **Pearl Farming**

2.40 Information on households engaged in pearl farming was collected in both the CoPD 2011 and the CoA 2011. The CoPD 2011 recorded 59 such households, of which 17 were on Rarotonga, compared to 35 in the CoA 2011. As pearl farming was carried out only on Manihiki at the time of the census, it must be assumed that the 21 households on other islands reporting such activity must all work on farms on Manihiki and this explains, to a large extent, the difference between the two sets of data. For this reason, the data from the CoA 2011 is considered reliable and is presented in this report.

2.41 The number of pearl farms has declined dramatically since CoA 2000 where 182 such farms were recorded. During the same period, the number of Pearl Farm Lines has decreased from 1,682 to 1,059 while the number of Spat Collector Lines has decreased from 735 to 456. The fact that the decline in lines has not been proportionately as great as that of the number of farms, implies some consolidation in the industry and an increase in average farm size measured in terms of numbers of lines. In CoA 2000 the average pearl farm had 9 farm lines and 3 spat collector lines. In CoA 2011 this has increased to 41 farm lines and 13 spat collector lines.

2.42 In terms of numbers of shells, this has declined from 2,604,444 in CoA 2000 to 889,221. More significantly, optimism in the industry has also declined quite markedly. In CoA 2000, pearl farmers saw the industry expanding quite rapidly and forecast that the number of shells to be seeded would be 3,340,820 in 3 years time and 6,645,730 in 5 years time. The CoA 2011 forecast only envisaged that some 761,000 shells would be seeded in 3 years time and 953,000 in 5 years time. Furthermore of the 35 pearl farms enumerated, only 22 provided such forecasts implying that the number of farms would continue to decline.

The main reason for the decline in pearl farming was the outbreak of disease in 2000/2001, which affected as much as 60 percent of the stock, and falling prices due to the increased production of black pearls in world markets.

## **SECTION 3: DATA FROM THE CENSUS OF POPULATION AND DWELLINGS 2011**

3.1 In designing the questionnaires for the Census of Population and Dwellings and the Census of Agriculture, the opportunity presented itself for some rationalisation on data items to be collected. Traditionally, the CoPD has collected a set of data related to agriculture, fishing and pearl farming including the level of household activity, livestock numbers and machinery and equipment. All these data items were also included in the last CoA. A decision was taken to continue to collect information on the level of household involvement in the three activities in both censuses for quality control purposes. Data on 'location of fishing activity' and 'numbers of boats and fishing equipment owned by the household' were also included in both censuses. Data on livestock was dropped from the CoPD 2011 and only collected in the CoA 2011. Data on machinery and equipment was dropped from the CoA 2011 and maintained in the CoPD 2011. Data on the consumption of coconuts for human and animal consumption was moved from the CoA to the CoPD as non-agricultural households also consume such coconuts and the CoPD was considered the better instrument to collect such data.

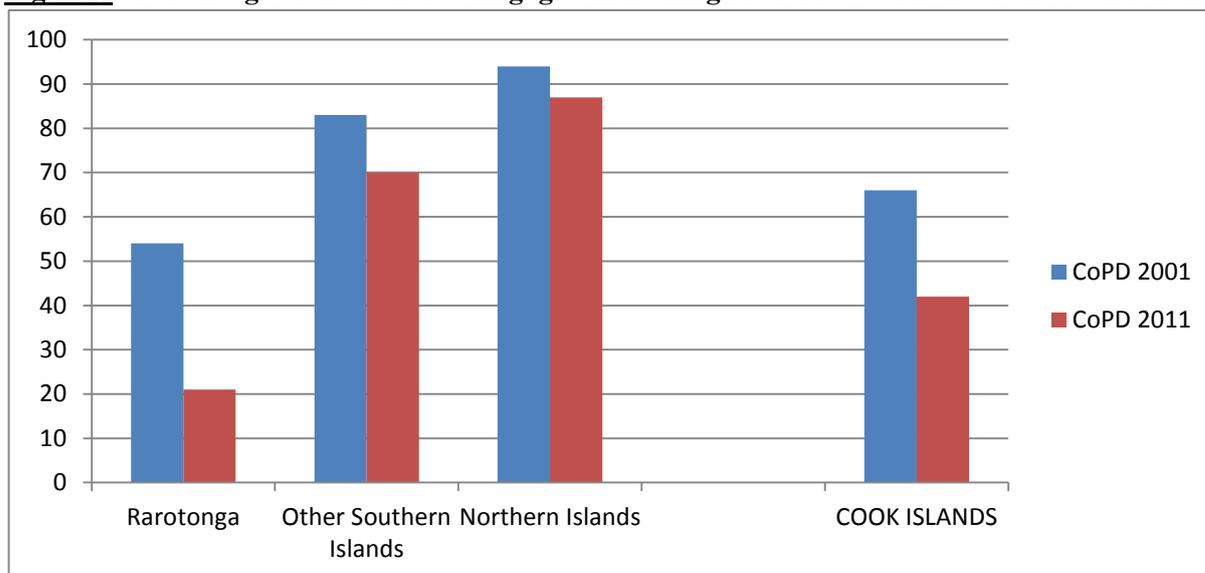
3.2 A comparison of the data from the two sources as they relate to the level of agricultural, fishing and pearl farming activity at the household level has already been discussed in Sections 1 and

2. As far as fishing activity was concerned, the CoA under-reported the number of households involved in fishing activities, particularly on Rarotonga, as only agriculturally active households were visited. The data from the CoPD 2011 on fishing activity is, therefore considered the more comprehensive and reliable.

## Fishing Activity

3.3 The CoPD 2011 identified 1,855 households, or 42 percent of all households, engaged in fishing activities of which 1,649 were subsistence activities, 36 subsistence/commercial activities and 170 commercial activities (the CoA identified 930 households engaged in fishing activities from the much smaller number of households visited). While the overall participation was 42 percent, this hides a considerable variation between Rarotonga, the other Southern Islands and the Northern Islands

**Figure 9: Percentage of Households Engaged in Fishing Activities CoPD 2001 and CoPD 2011**



namely 21 percent, 70 percent and 87 percent respectively. Compared to earlier years, the CoPD 2001 recorded 66 percent of households engaged in fishing activities with 54 percent on Rarotonga, 83 percent on the other Southern Islands and 94 percent on the Northern Islands. These data highlight the decline in fishing activity at the household level, particularly on Rarotonga.

3.4 The most common place for fishing was found to be ‘inside the reef or lagoon’ with 56 percent of fishing households indicating this preference. 38 percent gave ‘both in and outside the reef or lagoon’ as their preference while 6 percent fished only ‘outside the reef’.

3.5 In terms of the numbers of fishing equipment owned by the household, the most common item was the ‘fishing rod (imported)’ with 2,853 units of equipment recorded. This was followed by the fishing net (1,598 units) and spear gun (1,367 units). 321 canoes were recorded, 593 boats and 615 outboard motors.

## Consumption of Coconuts

3.6 Information on the use or consumption of coconuts has traditionally been collected as part of the census of agriculture. In 2011, as the CoA did not cover all households, and was limited to those households engaged in agricultural activities, the CoPD was determined to be the more appropriate census to collect data on the consumption of coconuts.

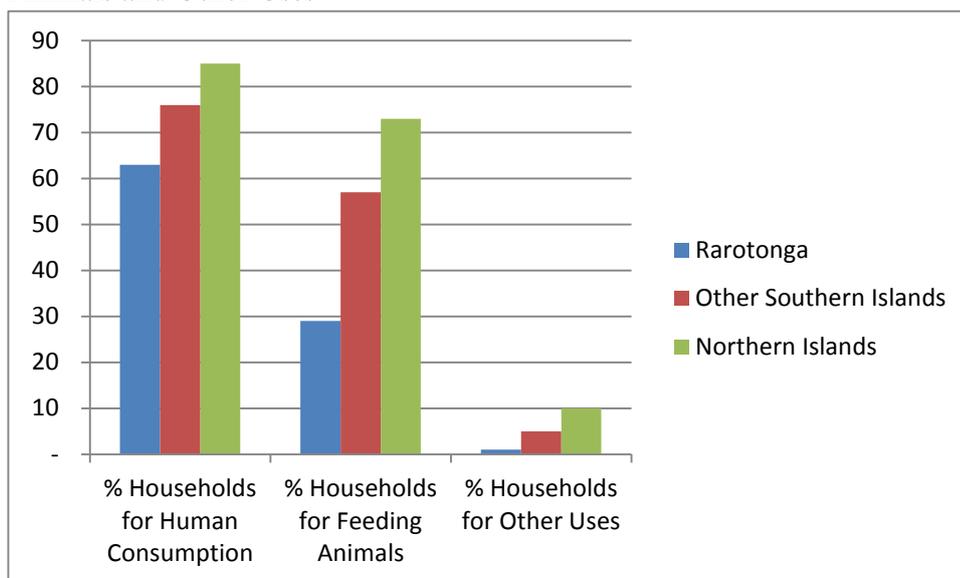
3.7 Table 8.10 of the CoPD 2011 (attached to this report) provides details of coconut consumption for human consumption, for feeding livestock and other uses, by Island. Some 67 percent of households were recorded as using coconuts for human consumption at an average weekly rate of 10 coconuts per household. 38 percent used coconuts for feeding animals at an average weekly rate of 75 coconuts while only 3 percent of households used coconuts for other uses at an average weekly rate of 48 coconuts.

3.8 The figures both in terms of percentage of households using coconuts as well as the weekly averages were lowest on Rarotonga and highest in the Northern Islands (see Figure 10). Comparing the use of coconuts in 2011 with 1988 and 2000 we find that in 1988, 82 percent of households used coconuts for human consumption at an average weekly rate of 16 coconuts while for livestock some 63 percent of households used coconuts for feeding livestock at an average weekly rate of 64 coconuts. In 2000, only 52 percent of households were recorded as using coconuts for human consumption at an average weekly rate of 13 coconuts while for livestock, 39 percent of households were recorded as using coconuts for feeding livestock at an average weekly rate of 90 coconuts. The conclusion is that while the use of coconuts is declining both for human consumption and for livestock feed, a significant proportion of households still use coconuts for both purposes and in quite large numbers. The total consumption of coconuts for human consumption in a year was estimated at 1,532,440 coconuts (2,947 households using 10 coconuts per week for 52 weeks). For feeding livestock, the estimated annual consumption was 6,415,500 coconuts and for ‘other uses’ the annual consumption was estimated at 292,032 coconuts. The total annual consumption was estimated at 8,239,972 coconuts highlighting the importance of the coconut to the Cook Islands.

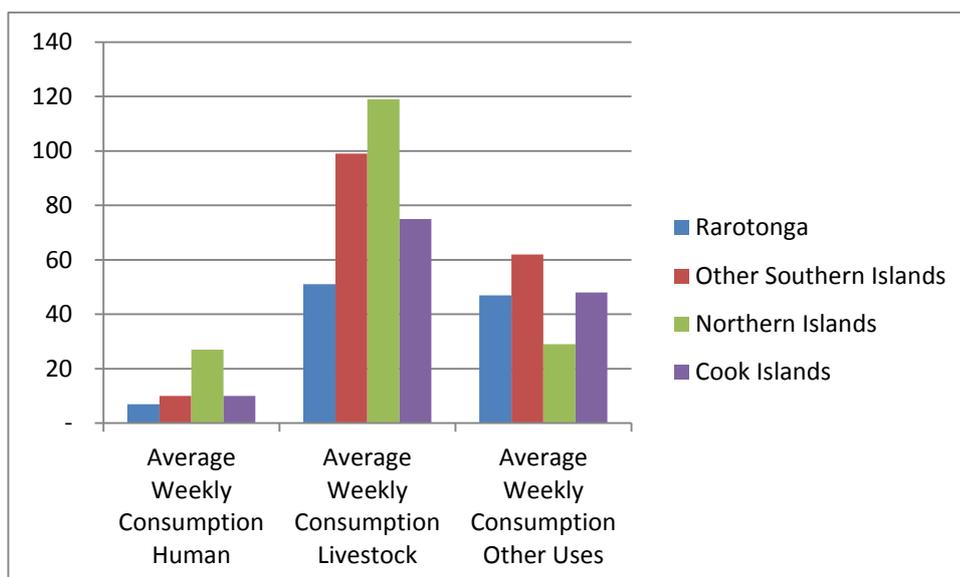
**Table K: Percent of households using coconuts by type of use**

Census Year	% Households for Human Consumption	% Households for Livestock	% Households for Other Uses
2011	67	38	3
2000	52	39	n.a.
1988	82	63	n.a.

**Figure 10: Percentage of Households Using Coconuts for Human Consumption, Feeding Animals and Other Uses**



**Figure 11: Average Weekly Consumption of Coconuts by Use.**



**Table L: Average weekly consumption of coconuts by type of use**

Census Year	Average Weekly Consumption Human	Average Weekly Consumption Livestock	Average Weekly Consumption Other Uses
2011	10	75	48
2000	13	90	n.a.
1988	16	64	n.a.

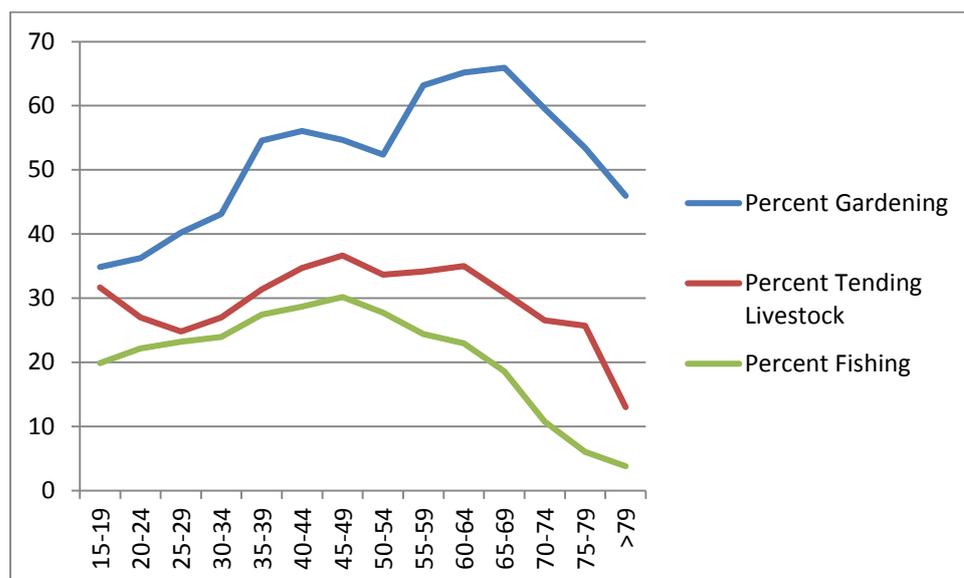
## **Farm Equipment**

Table 8.13 of the CoPD 2011 provides data, at the household level, of farm equipment owned. The most common item was the Grass Cutter followed by the Motor Mower, Chainsaw and Knapsack Sprayer. Some 224 Tractors were also recorded and 212 Rotary Hoes.

## **Unpaid Work**

The CoPD 2011 collected information from all persons aged 15 years and over on unpaid work carried out in the four weeks prior to the census (the month of November 2011). Tables 4.11 and 4.12 of the CoPD 2011 provide the data and are attached as an annex to this report. Three categories are of particular interest namely gardening, tending livestock and fishing. Table 4.12 shows the number of residents engaged in the three categories in an unpaid capacity by age-group and sex. Figure presents a summary of this data. By the age of 35, more than 50 percent of the resident population are engaged in gardening and this remains an unpaid activity carried out by more than half the population until the age of 75 and peaking in the 65-69 years age group at 66 percent. Tending livestock and fishing are typically the activities of a younger age group both peaking in the 45-49 years age group at 37 percent and 30 percent respectively.

**Figure 12: Percent of Resident Population, aged 15 years and over, engaged in Gardening, Tending Livestock and Fishing as an Unpaid Activity**



Source: Cook Islands Statistics Office, CoPD 2011

It is interesting to note the variation between islands as shown in Table 4.11 of the CoPD 2011 and summarised below. The pattern is consistent with the other data and reflects the lower rates of activity on Rarotonga, especially with fishing.

**Table M: Percentage of Resident Population, aged 15 years and Over, Engaged in Gardening, Tending Livestock and Fishing as an Unpaid Activity**

Island	Percent Gardening	Percent Tending Livestock	Percent Fishing
Rarotonga	47	23	14
Aitutaki	55	38	36
Mangaia	69	65	61
Atiu	68	56	39
Mauke	70	75	60
Mitiaro	64	67	64
Palmerston	51	69	71
Pukapuka	35	38	44
Nassau	79	82	63
Manihiki	37	62	69
Rakahanga	71	66	69
Penrhyn	42	34	62
<b>Total</b>	<b>50</b>	<b>31</b>	<b>23</b>

Source: Cook Islands Statistics Office, COPD2011

**Table 1.1: Number of Households, by Level of Agricultural Activity and Location of Household**

Location of Household	Total Number of Households	Level of Agricultural activity				Agriculturally Active
		Non Agricultural	Minor Agricultural	Subsistence Only	Agricultural production primarily for sale	
<b>RAROTONGA</b>	<b>1,271</b>	<b>39</b>	<b>659</b>	<b>333</b>	<b>240</b>	<b>573</b>
Kiikii-Ooa-Pue	114	7	71	15	21	36
Tupapa-Maraerenga	38	-	18	12	8	20
Takuvaie	62	2	16	36	8	44
Tutakimoo-Teotue	17	-	8	4	5	9
Avatiu-Ruatonga-Panama	110	8	57	38	7	45
Nikao-Panama	190	1	151	20	18	38
Ruaau-Arerenga-Arorangi	197	10	81	91	15	106
Akooa-Betela-Arorangi	46	-	30	9	7	16
Murienua-Arorangi	111	-	59	15	37	52
Titikaveka	234	2	130	38	64	102
Ngatangia	59	2	18	15	24	39
Matavera	93	7	20	40	26	66
<b>OTHER SOUTHERN ISLANDS</b>	<b>798</b>	<b>97</b>	<b>77</b>	<b>450</b>	<b>174</b>	<b>624</b>

Aitutaki	420	27	62	260	71	331
Mangaia	141	27	4	76	34	110
Atiu	111	17	9	46	39	85
Mauke	81	21	1	41	18	59
Mitiaro	45	5	1	27	12	39
						-
<b>NORTHERN ISLANDS</b>	<b>265</b>	<b>21</b>	<b>166</b>	<b>78</b>	<b>-</b>	<b>78</b>
Palmerston	14	-	14	-	-	-
Pukapuka	97	15	25	57	-	57
Nassau	13	-	3	10	-	10
Manihiki	78	3	73	2	-	2
Rakahanga	13	1	4	8	-	8
Penrhyn	50	2	47	1	-	1
						-
<b>COOK ISLANDS</b>	<b>2,334</b>	<b>157</b>	<b>902</b>	<b>861</b>	<b>414</b>	<b>1,275*</b>
* Includes 6 holdings for which no holding or parcel record was recorded						

## CENSUS TABLES

- The census tables are presented in seven Table Sets relating to details for households, holdings, parcel, livestock, fishing, pearl farming, and census of population and dwellings 2011.
- Users requiring more detailed information than is presented in this report should contact the Ministry of Agriculture, Rarotonga.

## TABLE SET 1: HOUSEHOLD DETAILS

### EXTENT OF AGRICULTURAL ACTIVITY

- Table 1.1 - Number of Households, by Level of Agricultural Activity and Location of Household
- Table 1.2 - Number of Holdings, by Level of Agricultural Activity and Location of Household
- Table 1.3 - Number of Parcels, by Level of Agricultural Activity and Location of Household
- Table 1.4 - Number of Holdings and Number of Parcels, In-Use and Fallow, by Location of Household

### AGRICULTURAL INCOME & LOANS

- Table 1.5 - Number of Agriculturally Active Households, by Proportion of Total Income Usually Derived from Agricultural Activities, by Location of Household
- Table 1.6 - Number of Agriculturally Active Households, by Source of Loans for Agricultural Purposes and by Location of Household

### ASSOCIATED ACTIVITIES

- Table 1.7 - Number of Agriculturally Active Households Using Fertilizers and Agricultural Chemicals, by Location of Household
- Table 1.8 - Number of Agriculturally Active Households Using Improved Varieties in Selected Crops, by Location of Household
- Table 1.9 - Number of Agriculturally Active Households Engaged in Selected Agricultural Activities, by Location of Household

Table 1.1 Number of Households, by Level of Agricultural Activity and Location of Household

Location of Household	Total Number of Households	Level of Agricultural activity				Agriculturally Active
		Non Agricultural	Minor Agricultural	Subsistence Only	Agricultural production primarily for sale	
<b>RAROTONGA</b>	<b>1,271</b>	<b>39</b>	<b>659</b>	<b>333</b>	<b>240</b>	<b>573</b>
Kiikii-Ooa-Pue	114	7	71	15	21	36
Tupapa-Maraerenga	38	-	18	12	8	20
Takuvaine	62	2	16	36	8	44
Tutakimooa-Teotue	17	-	8	4	5	9
Avatiu-Ruatonga-Panama	110	8	57	38	7	45
Nikao-Panama	190	1	151	20	18	38
Ruaau-Arerenga-Arorangi	197	10	81	91	15	106
Akooa-Betela-Arorangi	46	-	30	9	7	16
Murienua-Arorangi	111	-	59	15	37	52
Titikaveka	234	2	130	38	64	102
Ngatangia	59	2	18	15	24	39
Matavera	93	7	20	40	26	66
<b>OTHER SOUTHERN ISLANDS</b>	<b>798</b>	<b>97</b>	<b>77</b>	<b>450</b>	<b>174</b>	<b>624</b>
Aitutaki	420	27	62	260	71	331
Mangaia	141	27	4	76	34	110
Atiu	111	17	9	46	39	85
Mauke	81	21	1	41	18	59
Mitiaro	45	5	1	27	12	39
<b>NORTHERN ISLANDS</b>	<b>265</b>	<b>21</b>	<b>166</b>	<b>78</b>	<b>-</b>	<b>78</b>
Palmerston	14	-	14	-	-	-
Pukapuka	97	15	25	57	-	57
Nassau	13	-	3	10	-	10
Manihiki	78	3	73	2	-	2
Rakahanga	13	1	4	8	-	8
Penrhyn	50	2	47	1	-	1
<b>COOK ISLANDS</b>	<b>2,334</b>	<b>157</b>	<b>902</b>	<b>861</b>	<b>414</b>	<b>1,275*</b>

\* Includes 6 holdings for which no holding or parcel record was recorded

**Table 1.2 Number of Holdings, by Level of Agricultural Activity and Location of Household**

Location of Household	Total Number of Holdings	Level of Agricultural activity	
		Subsistence Only	Agricultural production primarily for sale
<b>RAROTONGA</b>	<b>572</b>	<b>333</b>	<b>239</b>
Kiikii-Ooa-Pue	36	15	21
Tupapa-Maraerenga	20	12	8
Takuvaine	44	36	8
Tutakimoo-Teotue	9	4	5
Avatiu-Ruatonga-Panama	44	38	6
Nikao-Panama	38	20	18
Ruaau-Arerenga-Arorangi	106	91	15
Akooa-Betela-Arorangi	16	9	7
Murienua-Arorangi	52	15	37
Titikaveka	102	38	64
Ngatangia	39	15	24
Matavera	66	40	26
<b>OTHER SOUTHERN ISLANDS</b>	<b>622</b>	<b>448</b>	<b>174</b>
Aitutaki	330	259	71
Mangaia	109	75	34
Atiu	85	46	39
Mauke	59	41	18
Mitiaro	39	27	12
<b>NORTHERN ISLANDS</b>	<b>75</b>	<b>75</b>	<b>-</b>
Palmerston	-	-	-
Pukapuka	55	55	-
Nassau	10	10	-
Manihiki	1	1	-
Rakahanga	8	8	-
Penrhyn	1	1	-
<b>COOK ISLANDS</b>	<b>1,269</b>	<b>856</b>	<b>413</b>

Note: Holdings for non-agricultural and minor agricultural activities do not exist.

**Table 1.3 Number of Parcels, by Level of Agricultural Activity and Location of Household**

Location of Household	Total Number of Parcels	Level of Agricultural activity	
		Subsistence Only	Agricultural production primarily for sale
<b>RAROTONGA</b>	<b>1,213</b>	<b>490</b>	<b>723</b>
Kiikii-Ooa-Pue	78	22	56
Tupapa-Maraerenga	28	14	14
Takuvaine	76	55	21
Tutakimoo-Teotue	12	4	8
Avatiu-Ruatonga-Panama	61	47	14
Nikao-Panama	74	28	46
Ruaau-Arerenga-Arorangi	172	140	32
Akaoo-Betela-Arorangi	36	18	18
Murienua-Arorangi	129	23	106
Titikaveka	282	55	227
Ngatangijia	119	23	96
Matavera	146	61	85
<b>OTHER SOUTHERN ISLANDS</b>	<b>1,165</b>	<b>760</b>	<b>405</b>
Aitutaki	642	439	203
Mangaia	178	113	65
Atiu	133	64	69
Mauke	114	77	37
Mitiaro	98	67	31
<b>NORTHERN ISLANDS</b>	<b>80</b>	<b>80</b>	<b>-</b>
Palmerston	-	-	-
Pukapuka	55	55	-
Nassau	15	15	-
Manihiki	1	1	-
Rakahanga	8	8	-
Penrhyn	1	1	-
<b>COOK ISLANDS</b>	<b>2,458</b>	<b>1,330</b>	<b>1,128</b>

Note: Parcels for non-agricultural and minor agricultural activities do not exist.

**Table 1.4 Number of Holdings and Number of Parcels, In-Use and Fallow, by Location of Household**

Location of Household	Total Number of Holdings	Number of Parcels		
		Total	In-Use	Fallow
<b>RAROTONGA</b>	<b>572</b>	<b>1,213</b>	<b>1,077</b>	<b>136</b>
Kiikii-Ooa-Pue	36	78	68	10
Tupapa-Maraerenga	20	28	27	1
Takuvaine	44	76	73	3
Tutakimoo-Teotue	9	12	12	-
Avatiu-Ruatonga-Panama	44	61	59	2
Nikao-Panama	38	74	65	9
Ruaau-Arerenga-Arorangi	106	172	163	9
Akooa-Betela-Arorangi	16	36	33	3
Murienua-Arorangi	52	129	115	14
Titikaveka	102	282	241	41
Ngatangia	39	119	89	30
Matavera	66	146	132	14
<b>OTHER SOUTHERN ISLANDS</b>	<b>622</b>	<b>1,165</b>	<b>899</b>	<b>266</b>
Aitutaki	330	642	405	237
Mangaia	109	178	169	9
Atiu	85	133	128	5
Mauke	59	114	107	7
Mitiaro	39	98	90	8
<b>NORTHERN ISLANDS</b>	<b>75</b>	<b>80</b>	<b>75</b>	<b>5</b>
Palmerston	-	-	-	-
Pukapuka	55	55	55	-
Nassau	10	15	10	5
Manihiki	1	1	1	-
Rakahanga	8	8	8	-
Penrhyn	1	1	1	-
<b>COOK ISLANDS</b>	<b>1,269</b>	<b>2,458</b>	<b>2,051</b>	<b>407</b>

Table 1.5 Number of Agriculturally Active Households, by Proportion of Total Income Usually Derived from Agricultural Activities, by Location of Household

Location of Household	Total Number of Agriculturally Active Households	Proportion of Income Usually Derived from Agricultural Activities						All	Not Stated
		None	1/4	1/3	1/2	3/4			
<b>RAROTONGA</b>	<b>573</b>	<b>336</b>	<b>92</b>	<b>22</b>	<b>57</b>	<b>39</b>	<b>19</b>	<b>8</b>	
Kiikii-Ooa-Pue	36	14	11	2	4	3	1	1	
Tupapa-Maraerenga	20	9	4	-	4	-	1	2	
Takuvaine	44	35	1	-	1	4	2	1	
Tutakimooa-Teotue	9	5	1	1	-	-	2	-	
Avatiu-Ruatonga-Panama	45	36	4	1	2	1	-	1	
Nikao-Panama	38	19	5	4	5	4	-	1	
Ruaau-Arerenga-Arorangi	106	86	14	2	2	1	1	-	
Akooa-Betela-Arorangi	16	10	1	-	1	3	1	-	
Murienua-Arorangi	52	29	9	1	5	3	3	2	
Titikaveka	102	40	27	5	12	11	7	-	
Ngatangijia	39	14	7	1	12	5	-	-	
Matavera	66	39	8	5	9	4	1	-	
<b>OTHER SOUTHERN ISLANDS</b>	<b>624</b>	<b>315</b>	<b>109</b>	<b>16</b>	<b>42</b>	<b>34</b>	<b>8</b>	<b>100</b>	
Aitutaki	331	141	35	6	23	23	6	97	
Mangaia	110	71	17	2	9	9	-	2	
Atiu	85	36	42	2	4	1	-	-	
Mauke	59	33	13	5	4	1	2	1	
Mitiaro	39	34	2	1	2	-	-	-	
<b>NORTHERN ISLANDS</b>	<b>78</b>	<b>73</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5</b>	
Palmerston	-	-	-	-	-	-	-	-	
Pukapuka	57	54	-	-	-	-	-	3	
Nassau	10	10	-	-	-	-	-	-	
Manihiki	2	1	-	-	-	-	-	1	
Rakahanga	8	8	-	-	-	-	-	-	
Penrhyn	1	-	-	-	-	-	-	1	
<b>COOK ISLANDS</b>	<b>1,275</b>	<b>724</b>	<b>201</b>	<b>38</b>	<b>99</b>	<b>73</b>	<b>27</b>	<b>113</b>	

Table 1.6 Number of Agriculturally Active Households, by Source of Loans for Agricultural Purposes and by Location of Household

Location of Household	Total Number of Agriculturally Active Households	Not Stated	Number of Households With No Loan	Number of Households with Loans, by Source		
				Development Bank	Other Commercial Bank	Other Sources
<b>RAROTONGA</b>	<b>573</b>	<b>9</b>	<b>550</b>	<b>5</b>	<b>7</b>	<b>2</b>
Kiikii-Ooa-Pue	36	1	34	1	-	-
Tupapa-Maraerenga	20	2	18	-	-	-
Takuvaine	44	1	43	-	-	-
Tutakimoo-Teotue	9	-	8	-	1	-
Avatiu-Ruatonga-Panama	45	2	43	-	-	-
Nikao-Panama	38	1	35	2	-	-
Ruaau-Arerenga-Arorangi	106	2	102	1	-	1
Akooa-Betela-Arorangi	16	-	14	-	1	1
Murienua-Arorangi	52	-	51	1	-	-
Titikaveka	102	-	98	-	4	-
Ngatanglia	39	-	39	-	-	-
Matavera	66	-	65	-	1	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>624</b>	<b>144</b>	<b>460</b>	<b>18</b>	<b>2</b>	<b>-</b>
Aitutaki	331	138	183	8	2	-
Mangaia	110	5	99	6	-	-
Atiu	85	-	81	4	-	-
Mauke	59	1	58	-	-	-
Mitiaro	39	-	39	-	-	-
<b>NORTHERN ISLANDS</b>	<b>78</b>	<b>1</b>	<b>70</b>	<b>-</b>	<b>-</b>	<b>-</b>
Palmerston	-	8	-	-	-	-
Pukapuka	57	6	51	-	-	-
Nassau	10	-	10	-	-	-
Manihiki	2	1	1	-	-	-
Rakahanga	8	-	8	-	-	-
Penthyh	1	1	-	-	-	-
<b>COOK ISLANDS</b>	<b>1,275</b>	<b>161</b>	<b>1,080</b>	<b>23</b>	<b>9</b>	<b>2</b>

Table 1.7 Number of Agriculturally Active Households Using Fertilizers and Agricultural Chemicals, by Location of Household

Location of Household	Total Number of Agriculturally Active Households	Agricultural Inputs					
		Inorganic Fertilizers	Organic Fertilizers	Compost & Animal Manure	Herbicides	Fungicides	Insecticides
<b>RAROTONGA</b>	<b>573</b>	<b>196</b>	<b>47</b>	<b>90</b>	<b>210</b>	<b>66</b>	<b>90</b>
Kiikii-Ooa-Pue	36	14	-	3	20	10	11
Tupapa-Maraerenga	20	3	2	1	3	-	1
Takuvaine	44	1	-	1	5	1	1
Tutakimoo-Teotue	9	2	3	3	5	3	5
Avatiu-Ruatonga-Panama	45	6	-	2	6	3	3
Nikao-Panama	38	12	4	5	13	8	10
Ruaau-Arerenga-Arorangi	106	36	5	14	16	6	6
Akaoo-Betela-Arorangi	16	6	-	2	5	2	2
Murienua-Arorangi	52	14	4	9	22	5	9
Titikaveka	102	47	23	29	64	14	22
Ngatangiaa	39	18	-	7	18	5	6
Matavera	66	37	6	14	33	9	14
<b>OTHER SOUTHERN ISLANDS</b>	<b>624</b>	<b>54</b>	<b>6</b>	<b>25</b>	<b>178</b>	<b>28</b>	<b>43</b>
Aitutaki	331	17	1	3	51	4	5
Mangaia	110	10	2	6	93	6	11
Atiu	85	2	-	1	28	7	17
Mauke	59	16	3	6	4	3	5
Mitiaro	39	9	-	9	2	8	5
<b>NORTHERN ISLANDS</b>	<b>78</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Palmerston	-	-	-	-	-	-	-
Pukapuka	57	-	-	-	-	-	-
Nassau	10	-	-	-	-	-	-
Manihiki	2	-	-	-	-	-	-
Rakahanga	8	-	-	-	-	-	-
Penrhyn	1	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>1,275</b>	<b>250</b>	<b>53</b>	<b>115</b>	<b>388</b>	<b>94</b>	<b>133</b>

**Table 1.8 Number of Agriculturally Active Households Using Improved Varieties in Selected Crops, by Location of Household**

Location of Household	Total Number of Agriculturally Active Households	Selected Crops of Improved Variety					
		Taro	Cassava	Banana	Watermelon	Other Fruit	Vegetables
<b>RAROTONGA</b>	<b>573</b>	<b>6</b>	<b>8</b>	-	<b>11</b>	<b>19</b>	<b>28</b>
Kiikii-Ooa-Pue	36	-	-	-	-	-	-
Tupapa-Maraerenga	20	-	2	-	-	-	-
Takuvaine	44	-	-	-	-	-	-
Tutakimooa-Teotue	9	-	-	-	-	-	-
Avatiu-Ruatonga-Panama	45	1	1	-	-	-	2
Nikao-Panama	38	-	-	-	-	-	-
Ruaau-Arerenga-Arorangi	106	-	-	-	2	5	3
Akooa-Betela-Arorangi	16	-	-	-	-	-	-
Murienua-Arorangi	52	-	3	-	-	-	-
Titikaveka	102	5	1	-	5	13	18
Ngatangia	39	-	-	-	-	-	-
Matavera	66	-	1	-	4	1	5
<b>OTHER SOUTHERN ISLANDS</b>	<b>624</b>	<b>16</b>	<b>14</b>	<b>9</b>	<b>18</b>	<b>15</b>	<b>71</b>
Aitutaki	331	-	-	-	10	2	23
Mangata	110	-	1	-	-	1	-
Atiu	85	-	3	-	-	7	6
Mauke	59	10	-	-	7	1	31
Mitiaro	39	6	10	9	1	4	11
<b>NORTHERN ISLANDS</b>	<b>78</b>	-	-	-	-	-	<b>5</b>
Palmerston	-	-	-	-	-	-	5
Pukapuka	57	-	-	-	-	-	-
Nassau	10	-	-	-	-	-	-
Manihiki	2	-	-	-	-	-	-
Rakahanga	8	-	-	-	-	-	-
Penrhyn	1	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>1,275</b>	<b>22</b>	<b>22</b>	<b>9</b>	<b>29</b>	<b>34</b>	<b>104</b>

**Table 1.9 Number of Agriculturally Active Households Engaged in Selected Agricultural Activities, by Location of Household**

Location of Household	Total Number of Agriculturally Active Households	Selected Agricultural Activities			
		Bee Keeping	Hydroponics	Floriculture	Handicrafts
<b>RAROTONGA</b>	<b>573</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>5</b>
Kiikii-Ooa-Pue	36	1	-	1	-
Tupapa-Maraerenga	20	-	-	-	-
Takuvaine	44	-	-	-	-
Tutakimooa-Teotue	9	-	1	-	-
Avatiu-Ruatonga-Panama	45	-	-	1	1
Nikao-Panama	38	-	-	-	-
Ruaau-Arerenga-Arorangi	106	-	-	1	1
Akooa-Betela-Arorangi	16	-	-	1	-
Murienua-Arorangi	52	1	1	1	-
Titikaveka	102	-	1	1	1
Ngatangia	39	-	-	-	1
Matavera	66	-	-	-	1
<b>OTHER SOUTHERN ISLANDS</b>	<b>624</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>5</b>
Aitutaki	331	-	-	-	1
Mangaia	110	-	-	-	1
Atiu	85	1	1	1	1
Mauke	59	-	1	1	1
Mitiaro	39	1	1	1	1
<b>NORTHERN ISLANDS</b>	<b>78</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>
Palmerston	-	-	-	-	-
Pukapuka	57	-	-	-	1
Nassau	10	-	-	-	-
Manihiki	2	-	-	-	1
Rakahanga	8	-	-	-	-
Penrhyn	1	-	-	-	-
<b>COOK ISLANDS</b>	<b>1,275</b>	<b>4</b>	<b>6</b>	<b>9</b>	<b>12</b>

## TABLE SET 2: HOLDINGS AND LABOUR INPUTS

### HOLDINGS AND PARCELS

Table 2.1	-	Number of Holdings, by Size and Location of Holding
Table 2.2	-	Area of Holdings, by Size and Location of Holding
Table 2.3	-	Number of Parcels, by Size and Location of Parcel
Table 2.4	-	Area of Parcels, by Size and Location of Parcel
Table 2.5	-	Number of Parcels, by Land Tenure and Location of Parcel
Table 2.6	-	Area of Parcels, by Land Tenure and Location of Parcel
Table 2.7	-	Number of Parcels, by Land Use and Location of Parcel
Table 2.8	-	Area of Parcels, by Land Use and Location of Parcel
Table 2.9	-	Area of Parcels In Use, by Number of Months Used and Location of Parcel
Table 2.10	-	Area of Fallow Parcels, by Number of Months Unused and Location of Parcel

### LABOUR INPUTS

Table 2.11	-	Number of Household Members 15 and Over, Working in Holding During Month Prior to Enumeration, by Sex, Age Group, Type of Labour, by Location of Household
Table 2.12	-	Number of Non-Household Members 15 and Over, Working in Holding During Month Prior to Enumeration, by Sex, Age Group, Type of Labour, by Location of Household
Table 2.13	-	Average Hours Worked Per Week, by Persons 15 and Over, in Holding During Month Prior to Enumeration, by Sex, Age Group, Type of Labour, by Location of Household
Table 2.14	-	Average Wages (NZ\$) Per Month by Persons 15 and Over, Working in Paid Capacity in Holding During Month Prior to Enumeration, by Sex, Age Group, by Location of Household
Table 2.15	-	Number of Persons 15 and Over, Working in Paid Capacity in the Holding During the Month Prior to Enumeration, by Sex, Other Benefits Received and Island
Table 2.16	-	Number of Persons 15 and Over, Working in Holding During Month Prior to Enumeration Holding Other Paid Jobs, by Sex, Status of Other Paid Job, Type of Labour, by Location of Household

Table 2.1 Number of Holdings, by Size and Location of Holding

Location of Holding	Total Number of Holdings	Size of Holding (In Acres)									
		Less than 0.25	0.25 - 0.49	0.50 - 0.99	1.00 - 1.99	2.00 - 2.99	3.00 - 3.99	4.00 - 4.99	5.00 and Over		
<b>RAROTONGA</b>	<b>572</b>	<b>85</b>	<b>167</b>	<b>143</b>	<b>104</b>	<b>32</b>	<b>24</b>	<b>5</b>	<b>12</b>		
Kiikii-Ooa-Pue	36	5	5	12	7	3	2	-	2		
Tupapa-Maraerenga	20	2	10	5	2	1	-	-	-		
Takuvaine	44	26	8	7	3	-	-	-	-		
Tutakimooa-Teotue	9	3	5	1	-	-	-	-	-		
Avatiu-Ruatonga-Panama	44	13	18	10	-	1	2	-	-		
Nikao-Panama	38	5	7	15	9	1	1	-	-		
Ruaau-Arerenga-Arorangi	106	7	47	32	17	1	1	1	-		
Akaaa-Betela-Arorangi	16	1	3	5	4	2	1	-	-		
Murienua-Arorangi	52	4	15	11	12	5	2	-	3		
Titikaveka	102	10	19	27	24	10	9	1	2		
Ngatangia	39	3	7	7	13	3	1	2	3		
Matavera	66	6	23	11	13	5	5	1	2		
<b>OTHER SOUTHERN ISLANDS</b>	<b>622</b>	<b>58</b>	<b>122</b>	<b>146</b>	<b>150</b>	<b>61</b>	<b>34</b>	<b>23</b>	<b>28</b>		
Aitutaki	330	24	44	58	75	48	33	20	28		
Mangaia	109	3	25	38	32	8	-	3	-		
Atiu	85	25	29	26	4	-	1	-	-		
Mauke	59	3	10	13	29	4	-	-	-		
Mitiaro	39	3	14	11	10	1	-	-	-		
<b>NORTHERN ISLANDS</b>	<b>75</b>	<b>62</b>	<b>7</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>		
Palmerston	-	-	-	-	-	-	-	-	-		
Pukapuka	55	55	-	-	-	-	-	-	-		
Nassau	10	1	4	1	3	1	-	-	-		
Manihiki	1	1	-	-	-	-	-	-	-		
Rakahanga	8	4	3	1	-	-	-	-	-		
Penthyne	1	1	-	-	-	-	-	-	-		
<b>COOK ISLANDS</b>	<b>1,269</b>	<b>205</b>	<b>296</b>	<b>291</b>	<b>257</b>	<b>94</b>	<b>58</b>	<b>28</b>	<b>40</b>		

Table 2.2 Area of Holdings, by Size and Location of Holding

Location of Holding	Total Area of Holdings	Size of Holding (In Acres)									
		Less than 0.25	0.25 - 0.49	0.50 - 0.99	1.00 - 1.99	2.00 - 2.99	3.00 - 4.99	5.00 - 9.99	10.00 and Over		
<b>RAROTONGA</b>	<b>569.7</b>	<b>11.5</b>	<b>46.9</b>	<b>88.0</b>	<b>137.2</b>	<b>72.1</b>	<b>83.7</b>	<b>22.5</b>	<b>107.8</b>		
Kiikii-Ooa-Pue	41.8	0.7	1.4	7.6	8.6	6.5	6.9	-	10.1		
Tupapa-Maraerenga	10.0	0.2	2.8	2.8	2.3	2.0	-	-	-		
Takuvaine	15.4	3.4	2.9	4.8	4.3	-	-	-	-		
Tutakimoo-Teotue	3.2	0.7	1.6	0.9	-	-	-	-	-		
Avatiu-Ruatonga-Panama	20.7	1.7	4.9	5.3	-	2.0	6.9	-	-		
Nikao-Panama	28.3	0.8	1.9	8.5	11.6	2.3	3.2	-	-		
Ruaau-Arerenga-Arorangi	62.4	0.9	12.6	18.9	19.9	2.0	3.6	4.5	-		
Akooa-Betela-Arorangi	18.4	0.1	0.9	3.0	6.3	4.8	3.3	-	-		
Murienua-Arorangi	61.4	0.6	4.0	7.0	16.7	11.9	6.0	-	15.3		
Titikaveka	163.7	1.3	5.7	17.9	33.9	23.9	29.6	4.5	46.9		
Ngatangiaia	71.4	0.4	2.1	4.0	17.5	6.8	8.5	9.0	23.0		
Matavera	73.1	0.8	6.3	7.2	16.1	10.0	15.7	4.5	12.6		
<b>OTHER SOUTHERN ISLANDS</b>	<b>904.7</b>	<b>7.7</b>	<b>34.5</b>	<b>90.3</b>	<b>188.1</b>	<b>141.7</b>	<b>110.3</b>	<b>94.9</b>	<b>237.1</b>		
Aitutaki	686.0	3.1	11.9	38.6	94.1	108.5	107.3	85.4	237.1		
Mangala	103.1	0.4	6.6	22.3	42.6	21.8	-	9.5	-		
Atiu	34.0	3.3	7.8	14.8	5.1	-	3.0	-	-		
Mauke	53.7	0.4	3.3	8.2	32.4	9.4	-	-	-		
Mitiaro	28.1	0.6	5.0	6.5	13.9	2.1	-	-	-		
<b>NORTHERN ISLANDS</b>	<b>14.0</b>	<b>4.6</b>	<b>2.0</b>	<b>1.4</b>	<b>4.0</b>	<b>2.0</b>	<b>-</b>	<b>-</b>	<b>-</b>		
Palmerston	-	-	-	-	-	-	-	-	-		
Pukapuka	3.9	3.9	-	-	-	-	-	-	-		
Nassau	7.9	0.1	1.0	0.8	4.0	2.0	-	-	-		
Manihiki	0.1	0.1	-	-	-	-	-	-	-		
Rakahanga	2.0	0.4	1.0	0.6	-	-	-	-	-		
Penrhyn	0.1	0.1	-	-	-	-	-	-	-		
<b>COOK ISLANDS</b>	<b>1,488.5</b>	<b>23.9</b>	<b>83.5</b>	<b>179.7</b>	<b>329.2</b>	<b>215.9</b>	<b>194.0</b>	<b>117.4</b>	<b>344.9</b>		

Table 2.3 Number of Parcels, by Size and Location of Parcel

Location of Parcel	Total Number of Parcels	Size of Parcel (In Acres)							
		Less than 0.25	0.25 - 0.49	0.50 - 0.99	1.00 - 1.99	2.00 - 2.99	3.00 - 4.99	5.00 and Over	
<b>RAROTONGA</b>	<b>1,213</b>	<b>267</b>	<b>459</b>	<b>326</b>	<b>138</b>	<b>19</b>	<b>2</b>	<b>2</b>	<b>2</b>
Kiikii-Ooa-Pue	78	14	24	29	7	2	2	2	-
Tupapa-Maraerenga	28	4	18	3	3	-	-	-	-
Takuvaine	76	54	13	8	1	-	-	-	-
Tutakimoo-Teotue	12	5	6	1	-	-	-	-	-
Avatiu-Ruatonga-Panama	61	18	26	11	6	-	-	-	-
Nikao-Panama	74	14	34	20	6	-	-	-	-
Ruaau-Arerenga-Arorangi	172	30	85	48	9	-	-	-	-
Akooa-Betela-Arorangi	36	14	5	11	6	-	-	-	-
Murienua-Arorangi	129	16	54	41	16	2	-	-	-
Titikaveka	282	69	85	77	41	8	-	-	2
Ngatangia	119	10	54	30	19	6	-	-	-
Matavera	146	19	55	47	24	1	-	-	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>1,165</b>	<b>252</b>	<b>348</b>	<b>261</b>	<b>180</b>	<b>59</b>	<b>46</b>	<b>19</b>	<b>19</b>
Aitutaki	642	104	169	138	112	54	46	19	-
Mangaia	178	14	53	70	37	4	-	-	-
Atiu	133	56	58	16	3	-	-	-	-
Mauke	114	21	43	27	22	1	-	-	-
Mitiaro	98	57	25	10	6	-	-	-	-
<b>NORTHERN ISLANDS</b>	<b>80</b>	<b>62</b>	<b>10</b>	<b>4</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Palmerston	-	-	-	-	-	-	-	-	-
Pukapuka	55	55	-	-	-	-	-	-	-
Nassau	15	1	7	3	4	-	-	-	-
Manihiki	1	1	-	-	-	-	-	-	-
Rakahanga	8	4	3	1	-	-	-	-	-
Penrhyn	1	1	-	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>2,458</b>	<b>581</b>	<b>817</b>	<b>591</b>	<b>322</b>	<b>78</b>	<b>48</b>	<b>21</b>	<b>21</b>

**Table 2.4 Area of Parcels, by Size and Location of Parcel**

Location of Parcel	Total Area of Parcels	Size of Parcel (In Acres)							
		Less than 0.25	0.25 - 0.49	0.50 - 0.99	1.00 - 1.99	2.00 - 2.99	3.00 - 4.99	5.00 and Over	
<b>RAROTONGA</b>	<b>569.7</b>	<b>34.1</b>	<b>122.2</b>	<b>181.1</b>	<b>165.9</b>	<b>39.4</b>	<b>6.0</b>	<b>21.1</b>	
Kiikii-Ooa-Pue	41.8	1.9	6.2	15.3	8.5	4.0	6.0	-	
Tupapa-Maraerenga	10.0	0.4	4.7	1.6	3.3	-	-	-	
Takuvaine	15.4	5.8	4.0	4.6	1.0	-	-	-	
Tutakimoo-Teotue	3.2	0.7	1.8	0.6	-	-	-	-	
Avatiu-Ruatonga-Panama	20.7	2.3	6.6	5.8	6.0	-	-	-	
Nikao-Panama	28.3	2.0	8.9	10.6	6.8	-	-	-	
Ruaau-Arerenga-Arorangi	62.4	3.9	21.3	25.5	11.6	-	-	-	
Akooa-Betela-Arorangi	18.4	2.2	1.3	6.7	8.2	-	-	-	
Murienua-Arorangi	61.4	2.1	14.4	23.0	17.9	4.0	-	-	
Titikaveka	163.7	8.9	23.7	45.1	47.6	17.4	-	21.1	
Ngatanglia	71.4	1.3	14.6	15.6	27.9	12.0	-	-	
Matavera	73.1	2.5	14.7	26.8	27.2	2.0	-	-	
<b>OTHER SOUTHERN ISLANDS</b>	<b>904.7</b>	<b>33.8</b>	<b>95.3</b>	<b>144.4</b>	<b>194.0</b>	<b>123.5</b>	<b>156.0</b>	<b>157.8</b>	
Aitutaki	686.0	14.1	45.8	75.2	124.0	113.1	156.0	157.8	
Mangala	103.1	1.8	16.0	38.4	38.7	8.0	-	-	
Atiu	34.0	7.2	14.7	9.0	3.0	-	-	-	
Mauke	53.7	2.8	11.2	15.2	22.0	2.4	-	-	
Mitiaro	28.1	7.8	7.5	6.5	6.2	-	-	-	
<b>NORTHERN ISLANDS</b>	<b>14.0</b>	<b>4.6</b>	<b>2.8</b>	<b>2.1</b>	<b>4.5</b>	<b>-</b>	<b>-</b>	<b>-</b>	
Palmerston	-	-	-	-	-	-	-	-	
Pukapuka	3.9	3.9	-	-	-	-	-	-	
Nassau	7.9	0.1	1.8	1.5	4.5	-	-	-	
Manihiki	0.1	0.1	-	-	-	-	-	-	
Rakahanga	2.0	0.4	1.0	0.6	-	-	-	-	
Penthyon	0.1	0.1	-	-	-	-	-	-	
<b>COOK ISLANDS</b>	<b>1,488.5</b>	<b>72.4</b>	<b>220.2</b>	<b>327.6</b>	<b>364.4</b>	<b>162.9</b>	<b>162.1</b>	<b>178.9</b>	

Table 2.5 Number of Parcels, by Land Tenure and Location of Parcel

Location of Parcel	Total Number of Parcels	Land Tenure							
		Crown	Borrowed	Customary	Freehold-Leased	Freehold-Licensed	Occupation Right	Long Occupation Right	Not Stated
<b>RAROTONGA</b>	<b>1,213</b>	<b>6</b>	<b>388</b>	<b>347</b>	<b>42</b>	<b>5</b>	<b>392</b>	<b>16</b>	<b>17</b>
Kiikii-Ooa-Pue	78	-	25	31	2	-	20	-	-
Tupapa-Maraerenga	28	-	7	15	1	-	5	-	-
Takuvaine	76	-	44	25	-	-	5	2	-
Tutakimoo-Teotue	12	-	9	-	1	-	2	-	-
Avatiu-Ruatonga-Panama	61	-	13	38	-	-	7	1	2
Nikao-Panama	74	-	23	18	10	5	17	-	1
Ruaau-Arerenga-Arorangi	172	5	34	24	3	-	103	1	2
Akooa-Betela-Arorangi	36	-	17	8	2	-	9	-	-
Murienua-Arorangi	129	1	25	25	6	-	62	-	10
Titikaveka	282	-	104	131	5	-	35	5	2
Ngatangiia	119	-	42	22	2	-	53	-	-
Matavera	146	-	45	10	10	-	74	7	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>1,165</b>	<b>6</b>	<b>103</b>	<b>602</b>	<b>13</b>	<b>1</b>	<b>232</b>	<b>38</b>	<b>170</b>
Aitutaki	642	-	73	227	11	-	169	2	160
Mangaia	178	-	8	165	1	-	-	-	4
Atiu	133	2	13	16	-	-	62	35	5
Mauke	114	1	3	106	1	1	1	1	-
Mitiaro	98	3	6	88	-	-	-	-	1
<b>NORTHERN ISLANDS</b>	<b>80</b>	<b>-</b>	<b>-</b>	<b>77</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>
Palmerston	-	-	-	-	-	-	-	-	-
Pukapuka	55	-	-	54	1	-	-	-	-
Nassau	15	-	-	15	-	-	-	-	-
Manihiki	1	-	-	-	1	-	-	-	-
Rakahanga	8	-	-	8	-	-	-	-	-
Penrhyn	1	-	-	-	-	-	1	-	-
<b>COOK ISLANDS</b>	<b>2,458</b>	<b>12</b>	<b>491</b>	<b>1,026</b>	<b>57</b>	<b>6</b>	<b>625</b>	<b>54</b>	<b>187</b>

Table 2.6 Area of Parcels, by Land Tenure and Location of Parcel

Location of Parcel	Total Area of Parcels (In Acres)	Land Tenure							
		Crown	Borrowed	Customary	Freehold- Leased	Freehold- Licensed	Occupation Right	Long Occupation Right	Not Stated
<b>RAROTONGA</b>	<b>569.7</b>	<b>1.6</b>	<b>181.6</b>	<b>153.4</b>	<b>35.1</b>	<b>2.0</b>	<b>177.3</b>	<b>8.8</b>	<b>10.0</b>
Kiikii-Ooa-Pue	41.8	-	11.9	19.8	0.8	-	9.4	-	-
Tupapa-Maraerenga	10.0	-	2.6	5.9	0.3	-	1.3	-	-
Takuvaime	15.4	-	9.9	4.3	-	-	0.9	0.2	-
Tutakimoo-Teotue	3.2	-	2.5	-	0.2	-	0.4	-	-
Avatiu-Ruatonga-Panama	20.7	-	2.3	14.0	-	-	3.1	0.5	0.8
Nikao-Panama	28.3	-	8.0	6.1	3.8	2.0	8.1	-	0.3
Ruaau-Arerenga-Arorangi	62.4	1.4	10.0	9.7	0.8	-	38.0	0.5	2.0
Akooa-Betela-Arorangi	18.4	-	8.9	4.5	1.1	-	3.9	-	-
Murienua-Arorangi	61.4	0.3	14.6	13.6	2.4	-	25.2	-	5.4
Titikaveka	163.7	-	62.7	60.9	18.6	-	16.0	4.0	1.6
Ngatangiaa	71.4	-	25.3	10.9	2.0	-	33.1	-	-
Matavera	73.1	-	22.8	3.6	5.3	-	37.8	3.6	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>904.7</b>	<b>1.0</b>	<b>60.2</b>	<b>281.3</b>	<b>17.6</b>	<b>1.0</b>	<b>151.2</b>	<b>8.8</b>	<b>383.7</b>
Aitutaki	686.0	-	47.0	105.6	17.3	-	134.5	1.2	380.3
Mangaia	103.1	-	3.2	98.5	0.1	-	-	-	1.3
Atiu	34.0	0.1	4.6	3.6	-	-	16.5	7.0	2.1
Mauke	53.7	0.3	3.5	48.0	0.1	1.0	0.2	0.5	-
Mitiaro	28.1	0.6	1.9	25.6	-	-	-	-	-
<b>NORTHERN ISLANDS</b>	<b>14.0</b>	<b>-</b>	<b>-</b>	<b>13.7</b>	<b>0.3</b>	<b>-</b>	<b>0.1</b>	<b>-</b>	<b>-</b>
Palmerston	-	-	-	-	-	-	-	-	-
Pukapuka	3.9	-	-	3.8	0.1	-	-	-	-
Nassau	7.9	-	-	7.9	-	-	-	-	-
Manihiki	0.1	-	-	-	0.1	-	-	-	-
Rakahanga	2.0	-	-	2.0	-	-	-	-	-
Penrhyn	0.1	-	-	-	-	-	0.1	-	-
<b>COOK ISLANDS</b>	<b>1,488.5</b>	<b>2.6</b>	<b>241.8</b>	<b>448.3</b>	<b>53.0</b>	<b>3.0</b>	<b>328.6</b>	<b>17.5</b>	<b>393.7</b>

Table 2.7 Number of Parcels, by Land Use and Location of Parcel

Location of Parcel	Total Number of Parcels	Number of Land Parcels Under...									
		Tree Crop	Other Crop	Mixed Crop	Fallow	Virgin Bush	Livestock	Non-Agriculture Use	Not Stated/Unknown		
<b>RAROTONGA</b>	<b>1,213</b>	<b>214</b>	<b>747</b>	<b>107</b>	<b>118</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>17</b>		
Kikii-Ooa-Pue	78	11	53	5	9	-	-	-	-		
Tupapa-Maraerenga	28	2	22	2	1	-	-	-	1		
Takuvaine	76	14	57	2	3	-	-	-	-		
Tutakimoo-Teotue	12	2	9	1	-	-	-	-	-		
Avatiu-Ruatonga-Panama	61	8	50	2	-	-	-	-	1		
Nikao-Panama	74	17	38	10	9	-	-	-	-		
Ruaau-Arerenga-Arorangi	172	50	100	15	6	-	-	1	-		
Akooa-Betela-Arorangi	36	6	23	3	2	-	-	1	1		
Murienua-Arorangi	129	20	83	4	11	-	-	-	11		
Titikaveka	282	39	169	30	38	-	3	-	3		
Ngatangia	119	26	50	14	26	3	-	-	-		
Matavera	146	19	93	19	13	2	-	-	-		
<b>OTHER SOUTHERN ISLANDS</b>	<b>1,165</b>	<b>67</b>	<b>646</b>	<b>178</b>	<b>59</b>	<b>196</b>	<b>2</b>	<b>-</b>	<b>17</b>		
Aitutaki	642	23	345	40	36	195	1	-	2		
Mangaia	178	4	119	41	8	-	-	-	6		
Atiu	133	3	98	22	3	-	-	-	7		
Mauke	114	29	48	29	6	1	1	-	-		
Mitiaro	98	8	36	46	6	-	-	-	2		
<b>NORTHERN ISLANDS</b>	<b>80</b>	<b>2</b>	<b>48</b>	<b>25</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2</b>		
Palmerston	-	-	-	-	-	-	-	-	-		
Pukapuka	55	-	38	17	-	-	-	-	-		
Nassau	15	2	7	1	3	-	-	-	2		
Manihiki	1	-	-	1	-	-	-	-	-		
Rakahanga	8	-	2	6	-	-	-	-	-		
Penrhyn	1	-	1	-	-	-	-	-	-		
<b>COOK ISLANDS</b>	<b>2,458</b>	<b>283</b>	<b>1,441</b>	<b>310</b>	<b>180</b>	<b>201</b>	<b>5</b>	<b>2</b>	<b>36</b>		

Table 2.8 Area of Parcels, by Land Use and Location of Parcel

Location of Parcel	Total Area of Parcels (In Acres)	Acres of Land Under...								Not Stated/Unknown
		Tree Crop	Other Crop	Mixed Crop	Fallow	Virgin Bush	Livestock	Non-Agriculture Use		
<b>RAROTONGA</b>	<b>569.7</b>	<b>143.6</b>	<b>302.9</b>	<b>56.0</b>	<b>52.7</b>	<b>3.7</b>	<b>1.5</b>	<b>0.4</b>	<b>8.7</b>	
Kiikii-Ooa-Pue	41.8	11.2	23.3	3.8	3.5	-	-	-	-	
Tupapa-Maraerenga	10.0	0.8	8.1	0.4	0.3	-	-	-	0.5	
Takuvaine	15.4	3.3	11.7	0.2	0.1	-	-	-	-	
Tutakimooa-Teotue	3.2	0.3	2.7	0.2	-	-	-	-	-	
Avatiu-Ruatonga-Panama	20.7	3.3	16.6	0.4	-	-	-	-	0.5	
Nikao-Panama	28.3	7.7	12.7	4.4	3.4	-	-	-	-	
Ruaau-Arerenga-Arorangi	62.4	16.6	36.2	7.5	1.8	-	-	0.3	-	
Akooa-Betela-Arorangi	18.4	3.7	13.8	0.4	0.3	-	-	0.2	-	
Murienua-Arorangi	61.4	14.7	34.6	1.5	5.0	-	-	-	5.7	
Titikaveka	163.7	51.4	80.5	14.7	13.5	-	1.5	-	2.1	
Ngatangijia	71.4	18.4	24.4	9.7	16.4	2.5	-	-	-	
Matavera	73.1	12.2	38.4	12.8	8.5	1.3	-	-	-	
<b>OTHER SOUTHERN ISLANDS</b>	<b>904.7</b>	<b>43.4</b>	<b>307.6</b>	<b>70.2</b>	<b>39.3</b>	<b>434.7</b>	<b>4.0</b>	<b>-</b>	<b>5.5</b>	
Aitutaki	686.0	24.1	181.5	13.0	29.8	434.0	3.0	-	0.6	
Mangaia	103.1	3.1	73.9	21.2	2.8	-	-	-	2.0	
Atiu	34.0	0.5	23.9	5.1	1.7	-	-	-	2.8	
Mauke	53.7	14.0	21.3	14.3	2.4	0.7	1.0	-	-	
Mitiaro	28.1	1.6	6.9	16.7	2.7	-	-	-	0.2	
<b>NORTHERN ISLANDS</b>	<b>14.0</b>	<b>0.6</b>	<b>5.5</b>	<b>3.1</b>	<b>2.8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2.0</b>	
Palmerston	-	-	-	-	-	-	-	-	-	
Pukapuka	3.9	-	2.7	1.2	-	-	-	-	-	
Nassau	7.9	0.6	2.3	0.3	2.8	-	-	-	2.0	
Manihiki	0.1	-	-	0.1	-	-	-	-	-	
Rakahanga	2.0	-	0.4	1.6	-	-	-	-	-	
Penthyne	0.1	-	0.1	-	-	-	-	-	-	
<b>COOK ISLANDS</b>	<b>1,488.5</b>	<b>187.6</b>	<b>616.1</b>	<b>129.4</b>	<b>94.7</b>	<b>438.5</b>	<b>5.5</b>	<b>0.4</b>	<b>16.3</b>	

**Table 2.9 Area of Parcels In Use, by Number of Months Used and Location of Parcel**

Location of Parcel	Total Area of Parcels (In Acres)	Number of Years Used					
		Less than 5	5 - 9	10 - 14	15 - 34	35 - 49	50 and Over
<b>RAROTONGA</b>	<b>569.7</b>	<b>15.9</b>	<b>20.6</b>	<b>530.0</b>	<b>1.7</b>	<b>1.6</b>	-
Kiikii-Ooa-Pue	41.8	1.4	5.5	35.0	-	-	-
Tupapa-Maraerenga	10.0	0.7	0.8	8.5	-	-	-
Takuvaine	15.4	1.7	2.5	10.7	0.5	-	-
Tutakimoo-Teotue	3.2	0.1	-	3.1	-	-	-
Avatiu-Ruatonga-Panama	20.7	1.0	0.3	18.9	-	0.5	-
Nikao-Panama	28.3	0.6	3.1	24.6	-	-	-
Ruaau-Arengaa-Arorangi	62.4	-	4.1	58.0	0.3	-	-
Akaoo-Betela-Arorangi	18.4	-	0.2	16.3	0.9	1.1	-
Murienua-Arorangi	61.4	5.4	0.6	55.4	-	-	-
Titikaveka	163.7	2.8	3.1	157.8	-	-	-
Ngatangia	71.4	2.3	0.5	68.6	-	-	-
Matavera	73.1	-	-	73.1	-	-	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>904.7</b>	<b>12.2</b>	<b>26.2</b>	<b>466.6</b>	<b>23.3</b>	<b>4.8</b>	<b>371.8</b>
Aitutaki	686.0	0.1	-	286.7	23.0	4.8	371.5
Mangaia	103.1	4.4	11.8	86.7	0.3	-	-
Atiu	34.0	1.9	2.9	29.2	-	-	-
Mauke	53.7	4.0	8.0	41.4	-	-	0.3
Mitiaro	28.1	1.9	3.5	22.7	-	-	-
<b>NORTHERN ISLANDS</b>	<b>14.0</b>	<b>1.1</b>	<b>-</b>	<b>9.5</b>	<b>3.5</b>	<b>-</b>	<b>-</b>
Palmerston	-	-	-	-	-	-	-
Pukapuka	3.9	0.7	-	3.2	-	-	-
Nassau	7.9	0.3	-	4.1	3.5	-	-
Manihiki	0.1	0.1	-	-	-	-	-
Rakahanga	2.0	-	-	2.0	-	-	-
Penrhyn	0.1	-	-	0.1	-	-	-
<b>COOK ISLANDS</b>	<b>1,488.5</b>	<b>29.1</b>	<b>46.8</b>	<b>1,006.1</b>	<b>28.4</b>	<b>6.3</b>	<b>371.8</b>

**Table 2.10 Area of Parcels Not in Use, by Number of Months Unused and Location of Parcel**

Location of Parcel	Total Area of Fallow Parcels (In Acres)	Number of Years Unused					
		Less than 5	5 - 9	10 - 14	15 - 34	35 - 49	50 and Over
<b>RAROTONGA</b>	<b>56.4</b>	<b>1.4</b>	<b>1.5</b>	<b>53.6</b>	-	-	-
Kiikii-Ooa-Pue	3.5	0.8	-	2.8	-	-	-
Tupapa-Maraerenga	0.3	0.3	-	-	-	-	-
Takuvaine	0.1	0.1	-	-	-	-	-
Tutakimooa-Teotue	-	-	-	-	-	-	-
Avatiu-Ruatonga-Panama	-	-	-	-	-	-	-
Nikao-Panama	3.4	-	-	3.4	-	-	-
Ruaau-Arerenga-Arorangi	1.8	-	1.0	0.8	-	-	-
Akooa-Betela-Arorangi	0.3	-	-	0.3	-	-	-
Murienua-Arorangi	5.0	-	-	5.0	-	-	-
Titikaveka	13.5	-	0.3	13.2	-	-	-
Ngatangia	18.8	0.3	0.3	18.3	-	-	-
Matavera	9.8	-	-	9.8	-	-	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>474.0</b>	<b>2.0</b>	<b>3.2</b>	<b>70.1</b>	<b>23.0</b>	<b>4.8</b>	<b>371.0</b>
Aitutaki	463.8	-	-	65.0	23.0	4.8	371.0
Mangaia	2.8	0.3	1.5	1.0	-	-	-
Atiu	1.7	-	0.2	1.6	-	-	-
Mauke	3.1	0.7	1.4	1.0	-	-	-
Mitiaro	2.7	1.0	0.1	1.5	-	-	-
<b>NORTHERN ISLANDS</b>	<b>2.8</b>	<b>0.3</b>	-	-	<b>2.5</b>	-	-
Palmerston	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-
Nassau	2.8	0.3	-	-	2.5	-	-
Manihiki	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>533.2</b>	<b>3.6</b>	<b>4.7</b>	<b>123.7</b>	<b>25.5</b>	<b>4.8</b>	<b>371.0</b>

Table 2.11 Number of Household Members Aged 15 and Over, Working in Holding During Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household

Location of Household	Total by Age Group						Male by Age Group						Female by Age Group					
	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total
	<b>OPERATORS</b>	8	127	530	335	-	1,000	8	122	495	304	-	929	-	5	35	31	-
Rarotonga	2	64	295	178	-	539	2	59	280	166	-	507	-	5	15	12	-	32
Aitutaki	1	21	81	69	-	172	1	21	75	59	-	156	-	-	6	10	-	16
Mangaia	-	14	56	29	-	99	-	14	55	26	-	95	-	-	1	3	-	4
Atiu	-	12	38	28	-	78	-	12	33	25	-	70	-	-	5	3	-	8
Mauke	1	7	27	20	-	55	1	7	21	18	-	47	-	-	6	2	-	8
Mitiaro	4	4	21	6	-	35	4	4	19	6	-	33	-	-	2	-	-	2
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	-	3	1	-	4	-	-	3	-	-	3	-	-	-	1	-	1
Nassau	-	5	4	1	-	10	-	5	4	1	-	10	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	-	5	3	-	8	-	-	5	3	-	8	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>PAID WORKERS</b>	5	13	11	6	-	35	5	10	5	2	-	22	-	3	6	4	-	13
Rarotonga	2	8	8	2	-	20	2	7	4	1	-	14	-	1	4	1	-	6
Aitutaki	1	4	1	-	-	6	1	2	-	-	-	3	-	2	1	-	-	3
Mangaia	-	-	1	1	-	2	-	-	-	-	-	-	-	-	1	1	-	2
Atiu	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Mauke	-	-	1	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-
Mitiaro	2	1	-	2	-	5	2	1	-	1	-	4	-	-	-	1	-	1
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2.11 Number of Household Members Aged 15 and Over, Working in Holding During Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household (Continued)

Location of Household	Total by Age Group					Male by Age Group					Female by Age Group							
	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total
	<b>UNPAID WORKERS</b>	<b>93</b>	<b>183</b>	<b>191</b>	<b>76</b>	-	<b>543</b>	<b>79</b>	<b>115</b>	<b>56</b>	<b>12</b>	-	<b>262</b>	<b>14</b>	<b>68</b>	<b>135</b>	<b>64</b>	-
Rarotonga	49	84	76	29	-	238	43	60	22	2	-	127	6	24	54	27	-	111
Aitutaki	4	16	15	10	-	45	4	14	3	1	-	22	-	2	12	9	-	23
Mangaia	23	25	36	12	-	96	17	5	7	2	-	31	6	20	29	10	-	65
Atiu	7	20	31	10	-	68	6	10	7	1	-	24	1	10	24	9	-	44
Mauke	6	19	11	10	-	46	6	12	1	1	-	20	-	7	10	9	-	26
Mitiaro	2	3	2	1	-	8	2	2	-	1	-	5	-	1	2	-	-	3
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	7	17	4	-	28	-	6	15	4	-	25	-	1	2	-	-	3
Nassau	1	5	2	-	-	8	-	2	-	-	-	2	1	3	2	-	-	6
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	1	4	-	-	-	5	1	4	-	-	-	5	-	-	-	-	-	-
Penrhyn	-	-	1	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-
<b>ALL WORKERS</b>	<b>106</b>	<b>323</b>	<b>732</b>	<b>417</b>	-	<b>1,578</b>	<b>92</b>	<b>247</b>	<b>556</b>	<b>318</b>	-	<b>1,213</b>	<b>14</b>	<b>76</b>	<b>176</b>	<b>99</b>	-	<b>365</b>
Rarotonga	53	156	379	209	-	797	47	126	306	169	-	648	6	30	73	40	-	149
Aitutaki	6	41	97	79	-	223	6	37	78	60	-	181	-	4	19	19	-	42
Mangaia	23	39	93	42	-	197	17	19	62	28	-	126	6	20	31	14	-	71
Atiu	7	32	69	39	-	147	6	22	40	26	-	94	1	10	29	13	-	53
Mauke	7	26	39	30	-	102	7	19	23	19	-	68	-	7	16	11	-	34
Mitiaro	8	8	23	9	-	48	8	7	19	8	-	42	-	1	4	1	-	6
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	7	20	5	-	32	-	6	18	4	-	28	-	1	2	1	-	4
Nassau	1	10	6	1	-	18	-	7	4	1	-	12	1	3	2	-	-	6
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	1	4	5	3	-	13	1	4	5	3	-	13	-	-	-	-	-	-
Penrhyn	-	-	1	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-

Table 2.12 Number of Non-Household Members Aged 15 and Over, Working in Holding During Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household

Location of Household	Total by Age Group						Male by Age Group						Female by Age Group					
	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total
	<b>OPERATORS</b>	-	7	11	12	-	30	-	6	10	9	-	25	-	1	1	3	-
Rarotonga	-	3	6	7	-	16	-	3	6	7	-	16	-	-	-	-	-	-
Aitutaki	-	2	3	2	-	7	-	2	3	-	-	5	-	-	-	2	-	2
Mangaia	-	1	1	2	-	4	-	1	-	1	-	2	-	-	1	1	-	2
Atiu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mauke	-	-	1	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-
Mitiaro	-	1	-	1	-	2	-	-	-	1	-	1	-	1	-	-	-	1
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>PAID WORKERS</b>	2	24	9	-	-	35	2	22	8	-	-	32	-	2	1	-	-	3
Rarotonga	1	18	6	-	-	25	1	17	5	-	-	23	-	1	1	-	-	2
Aitutaki	1	3	-	-	-	4	1	3	-	-	-	4	-	-	-	-	-	-
Mangaia	-	-	1	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-
Atiu	-	3	2	-	-	5	-	2	2	-	-	4	-	1	-	-	-	1
Mauke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mitiaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2.12 Number of Non-Household Members Aged 15 and Over, Working in Holding During Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household  
(Continued)

Location of Household	Total by Age Group					Male by Age Group					Female by Age Group							
	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total
	<b>UNPAID WORKERS</b>	2	7	7	2	-	18	2	6	5	2	-	15	-	1	2	-	3
Rarotonga	2	5	6	1	-	14	2	4	4	1	-	11	-	1	2	-	3	
Aitutaki	-	1	-	1	-	2	-	1	-	1	-	2	-	-	-	-	-	
Mangaia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Atiu	-	-	1	-	-	1	-	-	1	-	-	1	-	-	-	-	-	
Mauke	-	1	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	
Mitiaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pukapuka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Nassau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>ALL WORKERS</b>	4	38	27	14	-	83	4	34	23	11	-	72	-	4	4	3	-	11
Rarotonga	3	26	18	8	-	55	3	24	15	8	-	50	-	2	3	-	-	5
Aitutaki	1	6	3	3	-	13	1	6	3	1	-	11	-	-	-	2	-	2
Mangaia	-	1	2	2	-	5	-	1	1	1	-	3	-	-	1	1	-	2
Atiu	-	3	3	-	-	6	-	2	3	-	-	5	-	1	-	-	-	1
Mauke	-	1	1	-	-	2	-	1	1	-	-	2	-	-	-	-	-	-
Mitiaro	-	1	-	1	-	2	-	-	-	1	-	1	-	1	-	-	-	1
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2.13 Average Hours Worked Per Week, by Persons Aged 15 and Over, in Holding During Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household

Location of Household	Total by Age Group					Male by Age Group					Female by Age Group							
	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total
	<b>OPERATORS</b>	3.3	3.9	5.2	4.8	-	4.7	7.7	5.7	5.5	5.7	-	6.1	-	6.6	4.3	4.7	-
Rarotonga	7.0	4.6	4.0	3.4	-	4.8	7.0	4.7	4.0	3.5	-	4.8	-	3.6	3.5	3.3	-	3.4
Aitutaki	12.0	8.4	9.3	8.4	-	9.5	12.0	8.4	9.6	8.9	-	9.7	-	-	4.8	6.2	-	3.7
Mangaia	-	5.8	3.5	2.7	-	4.0	-	5.8	3.5	2.4	-	3.9	-	-	5.5	4.5	-	3.3
Atiu	-	7.3	8.8	9.3	-	5.1	-	7.3	9.3	9.6	-	8.7	-	-	5.4	6.3	-	3.9
Mauke	10.0	6.1	8.8	14.1	-	7.8	10.0	6.1	10.0	14.9	-	10.3	-	-	4.2	6.5	-	3.6
Mitiaro	10.5	7.0	9.0	8.7	-	7.0	10.5	8.8	9.1	8.7	-	9.3	-	-	8.0	-	-	8.0
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	2.0	-	1.0
Pukapuka	-	-	5.3	-	-	5.3	-	-	5.3	-	-	5.3	-	-	-	-	-	-
Nassau	-	8.0	6.5	6.0	-	6.8	-	8.0	6.5	6.0	-	6.8	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	-	6.8	4.7	-	5.7	-	-	6.8	4.7	-	5.7	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>PAID WORKERS</b>	16.2	13.7	13.2	3.3	-	11.6	14.4	10.0	3.8	4.5	-	8.2	-	11.0	10.1	2.5	-	7.9
Rarotonga	3.7	5.7	3.4	3.0	-	3.9	3.7	6.2	2.7	6.0	-	4.6	-	-	4.6	-	-	4.6
Aitutaki	40.0	28.0	40.0	-	-	36.0	40.0	29.0	-	-	-	34.5	-	25.5	40.0	-	-	32.8
Mangaia	-	-	6.5	4.0	-	5.3	-	-	5.0	-	-	5.0	-	-	8.0	4.0	-	6.0
Atiu	-	5.0	4.0	3.0	-	4.0	-	5.5	4.0	-	-	4.8	-	4.0	-	3.0	-	2.3
Mauke	-	-	12.0	-	-	12.0	-	-	12.0	-	-	12.0	-	-	-	-	-	-
Mitiaro	5.0	16.0	-	3.0	-	8.0	5.0	16.0	-	3.0	-	6.0	-	-	-	3.0	-	3.0
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 2.13 Average Hours Worked Per Week, by Persons Aged 15 and Over, in Holding During Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household (Continued)**

Location of Household	Total by Age Group					Male by Age Group					Female by Age Group							
	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total
	<b>UNPAID WORKERS</b>	5.7	5.4	6.3	6.5	-	6.0	5.8	5.4	6.6	6.8	-	5.6	4.0	5.3	7.0	5.7	-
Rarotonga	4.1	3.1	2.9	2.7	-	3.2	4.4	2.9	3.6	1.7	-	3.1	1.8	3.6	2.6	2.8	-	2.7
Aitutaki	8.3	10.0	12.9	8.5	-	9.9	8.3	10.5	12.7	11.0	-	10.6	-	6.0	12.9	7.9	-	8.9
Mangaia	3.1	3.5	3.3	2.3	-	3.0	3.1	3.0	3.0	1.0	-	2.5	3.3	3.6	3.4	2.5	-	3.2
Atiu	8.0	6.9	5.8	6.8	-	6.9	8.5	5.9	3.6	12.0	-	7.5	5.0	7.9	6.5	6.2	-	6.4
Mauke	4.8	5.7	9.3	8.9	-	7.2	4.8	6.6	10.0	5.0	-	6.6	-	3.9	9.2	9.3	-	7.5
Mitiaro	7.5	7.7	5.0	10.0	-	7.5	7.5	8.5	-	10.0	-	8.7	-	6.0	5.0	-	-	5.5
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	1.7	0.7	-	-	1.2	-	1.0	-	-	-	1.0	-	6.0	6.0	-	-	6.0
Nassau	6.0	5.6	10.5	-	-	7.4	-	6.0	-	-	-	6.0	6.0	5.3	10.5	-	-	7.3
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	4.0	4.5	-	-	-	4.3	4.0	4.5	-	-	-	4.3	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>ALL WORKERS</b>	7.1	6.0	6.5	6.7	-	5.2	5.8	5.9	5.4	5.6	-	5.7	3.0	4.8	5.1	4.7	-	4.4
Rarotonga	4.2	4.0	3.8	3.3	-	3.8	4.4	4.2	4.0	3.4	-	4.0	1.8	3.4	2.9	2.9	-	2.7
Aitutaki	17.9	11.9	10.1	8.4	-	12.1	17.9	11.6	9.8	9.0	-	12.0	-	15.8	11.8	6.9	-	11.5
Mangaia	3.1	4.4	3.5	2.6	-	3.4	3.1	5.1	3.4	2.3	-	3.5	3.3	3.6	3.7	3.1	-	3.4
Atiu	8.0	6.9	7.3	8.5	-	7.7	8.5	6.5	8.0	9.7	-	8.2	5.0	7.5	6.3	6.0	-	6.2
Mauke	5.6	5.8	9.0	12.3	-	8.2	5.6	6.5	10.1	14.4	-	9.1	-	3.9	7.3	8.8	-	6.7
Mitiaro	8.4	8.2	8.7	7.7	-	8.2	8.4	9.7	9.1	8.2	-	8.9	-	3.0	6.5	3.0	-	4.2
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	1.7	1.4	-	-	1.6	-	1.0	0.9	-	-	0.9	-	6.0	6.0	-	-	6.0
Nassau	6.0	6.8	7.8	6.0	-	6.7	-	7.4	6.5	6.0	-	6.6	6.0	5.3	10.5	-	-	7.3
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	4.0	4.5	6.8	4.7	-	5.0	4.0	4.5	6.8	4.7	-	5.3	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2.14 Average Wages (NZ\$) Per Month by Persons Aged 15 and Over, Working in Paid Capacity in Holding During Month Prior to Enumeration, by Sex, Age Group, and by Location of Household

Island	Total by Age Group					Male by Age Group					Female by Age Group							
	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 - 39	40 - 59	60 and Over	Not Stated	Total
	<b>COOK ISLANDS</b>	<b>333.33</b>	<b>310.60</b>	<b>365.44</b>	<b>141.28</b>	-	<b>287.66</b>	<b>333.33</b>	<b>307.57</b>	<b>592.86</b>	<b>166.67</b>	-	<b>350.11</b>	-	<b>675.00</b>	<b>180.00</b>	<b>246.67</b>	-
Rarotonga	333.33	630.13	277.08	153.85	-	348.60	333.33	597.72	307.89	133.33	-	343.07	-	1,100.00	160.00	400.00	-	553.33
Aitutaki	-	260.00	136.67	200.00	-	198.89	-	262.50	115.56	200.00	-	192.69	-	250.00	200.00	200.00	-	216.67
Mangaia	-	-	900.00	-	-	900.00	-	-	1,800.00	-	-	1,800.00	-	-	-	-	-	-
Atiu	-	41.67	148.00	70.00	-	86.56	-	62.50	148.00	-	-	210.50	-	-	-	140.00	-	140.00
Mauke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mitiaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhryn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 2.15 Number of Persons, Aged 15 and Over, Working in Paid Capacity in the Holding During the Month Prior to Enumeration, by Sex, Other Benefits Received and Island**

Island	Other Benefits Received						
	Free Subsidized Housing Only	Free Subsidized Meals Only	Other Benefits Only	Free Subsidized Housing and Meals	Free Subsidized Housing and Other Benefits	Free Subsidized Meals and Other Benefits	Free Subsidized Housing, Meals and Other Benefits
<b>MALE</b>	<b>2</b>	<b>17</b>	<b>6</b>	<b>7</b>	<b>-</b>	<b>1</b>	<b>-</b>
Rarotonga	1	17	2	5	-	1	-
Aitutaki	-	-	1	-	-	-	-
Mangata	-	-	1	-	-	-	-
Atiu	1	-	2	2	-	-	-
Mauke	-	-	-	-	-	-	-
Mitiaro	-	-	-	-	-	-	-
Palmerston	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-
<b>FEMALE</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>
Rarotonga	-	3	-	1	-	-	-
Aitutaki	-	-	-	-	-	-	-
Mangata	-	-	-	-	-	-	-
Atiu	-	-	-	-	-	-	-
Mauke	-	-	-	-	-	-	-
Mitiaro	-	-	-	-	-	-	-
Palmerston	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>2</b>	<b>20</b>	<b>6</b>	<b>8</b>	<b>-</b>	<b>1</b>	<b>-</b>
Rarotonga	1	20	2	6	-	1	-
Aitutaki	-	-	1	-	-	-	-
Mangata	-	-	1	-	-	-	-
Atiu	1	-	2	2	-	-	-
Mauke	-	-	-	-	-	-	-
Mitiaro	-	-	-	-	-	-	-
Palmerston	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-

Table 2.16 Number of Persons Aged 15 and Over, Working in Holding During Month Prior to Enumeration Holding Other Paid Jobs, by Sex, Status of Other Paid Job, Type of Labour and by Location of Household

Location of Household	Total by Age Group						Male by Age Group						Female by Age Group					
	Full-time		Part-time		Not Stated		Full-time		Part-time		Not Stated		Full-time		Part-time		Not Stated	
	No Other Paid Job	Total	No Other Paid Job	Total	No Other Paid Job	Total	No Other Paid Job	Total	No Other Paid Job	Total	No Other Paid Job	Total	No Other Paid Job	Total	No Other Paid Job	Total	No Other Paid Job	Total
<b>OPERATORS</b>	501	366	151	12	1,030	451	352	140	11	954	50	14	11	1	76			
Rarotonga	287	186	78	4	555	266	180	73	4	523	21	6	5	-	32			
Aitutaki	73	75	27	4	179	62	70	25	4	161	11	5	2	-	18			
Mangaia	54	35	14	-	103	48	35	14	-	97	6	-	-	-	6			
Atiu	39	29	9	1	78	34	28	7	1	70	5	1	2	-	8			
Mauke	26	14	15	1	56	21	13	14	-	48	5	1	1	1	8			
Mitiharo	16	17	4	-	37	15	16	3	-	34	1	1	1	-	3			
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Pukapuka	2	1	-	1	4	1	1	-	1	3	1	-	-	-	1			
Nassau	2	3	4	1	10	2	3	4	1	10	-	-	-	-	-			
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Rakahanga	2	6	-	-	8	2	6	-	-	8	-	-	-	-	-			
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<b>PAID WORKERS</b>	49	11	9	1	70	37	9	8	-	54	12	2	1	1	16			
Rarotonga	30	7	7	1	45	25	6	6	-	37	5	1	1	1	8			
Aitutaki	8	2	-	-	10	5	2	-	-	7	3	-	-	-	3			
Mangaia	1	1	1	-	3	-	-	1	-	1	1	1	-	-	2			
Atiu	5	-	1	-	6	3	-	1	-	4	2	-	-	-	2			
Mauke	-	1	-	-	1	-	1	-	-	1	-	-	-	-	-			
Mitiharo	5	-	-	-	5	4	-	-	-	4	1	-	-	-	1			
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Pukapuka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Nassau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

Table 2.16 Number of Persons Aged 15 and Over, Working in Holding During Month Prior to Enumeration Holding Other Paid Jobs, by Sex, Status of Other Paid Job, Type of Labour and by Location of Household (Continued)

Location of Household	Total by Age Group						Male by Age Group						Female by Age Group							
	No Other Paid Job		Full-time		Part-time		Not Stated		Total		No Other Paid Job		Full-time		Part-time		Not Stated		Total	
<b>UNPAID WORKERS</b>	<b>318</b>	<b>143</b>	<b>69</b>	<b>31</b>	<b>561</b>	<b>143</b>	<b>76</b>	<b>30</b>	<b>28</b>	<b>277</b>	<b>175</b>	<b>67</b>	<b>39</b>	<b>3</b>	<b>284</b>					
Rarotonga	147	68	34	3	252	83	39	14	2	138	64	29	20	1	114					
Aitutaki	24	16	6	1	47	11	8	5	-	24	13	8	1	1	23					
Mangaia	72	17	7	-	96	26	4	1	-	31	46	13	6	-	65					
Atiu	44	19	6	-	69	11	11	3	-	25	33	8	3	-	44					
Mauke	17	15	13	2	47	6	9	5	1	21	11	6	8	1	26					
Mitiaro	6	1	1	-	8	4	-	1	-	5	2	1	-	-	3					
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Pukapuka	4	-	-	24	28	1	-	-	24	25	3	-	-	-	3					
Nassau	4	3	1	-	8	1	1	-	-	2	3	2	1	-	6					
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Rakahanga	-	4	1	-	5	-	4	1	-	5	-	-	-	-	-					
Penrhyn	-	-	-	1	1	-	-	-	1	1	-	-	-	-	-					
<b>ALL WORKERS</b>	<b>868</b>	<b>520</b>	<b>229</b>	<b>44</b>	<b>1,661</b>	<b>631</b>	<b>437</b>	<b>178</b>	<b>39</b>	<b>1,285</b>	<b>237</b>	<b>83</b>	<b>51</b>	<b>5</b>	<b>376</b>					
Rarotonga	464	261	119	8	852	374	225	93	6	698	90	36	26	2	154					
Aitutaki	105	93	33	5	236	78	80	30	4	192	27	13	3	1	44					
Mangaia	127	53	22	-	202	74	39	16	-	129	53	14	6	-	73					
Atiu	88	48	16	1	153	48	39	11	1	99	40	9	5	-	54					
Mauke	43	30	28	3	104	27	23	19	1	70	16	7	9	2	34					
Mitiaro	27	18	5	-	50	23	16	4	-	43	4	2	1	-	7					
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Pukapuka	6	1	-	25	32	2	1	-	25	28	4	-	-	-	4					
Nassau	6	6	5	1	18	3	4	4	1	12	3	2	1	-	6					
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Rakahanga	2	10	1	-	13	2	10	1	-	13	-	-	-	-	-					
Penrhyn	-	-	-	1	1	-	-	-	1	1	-	-	-	-	-					



## TABLE SET 3: PARCEL DETAILS

### EXTENT OF AGRICULTURAL ACTIVITY

Table 3.1	-	Number of Separate Plots of Crops Growing in Parcels Other Than Scattered Crops, by Type of Crop and by Location of Parcel
Table 3.2	-	Single Crop Equivalent Area of Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type of Crop and by Location of Parcel
Table 3.3	-	Number of Plants in Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type of Crop and by Location of Parcel

### PLOTS IN PARCELS OTHER THAN SCATTERED

Table 3.4	-	Number of Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type of Crop, Size of Plantings and by Region
Table 3.5	-	Number of Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type of Crop, Size of Single Crop Equivalent Area and by Region

### AREA OF CROPS IN PARCELS OTHER THAN SCATTERED

Table 3.6	-	Single Crop Equivalent Area of Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type Area Size and by Region
Table 3.7	-	Single Crop Equivalent Area of Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type of Crop, Proportion for Sale and by Region

### SCATTERED CROPS IN PARCELS

Table 3.8	-	Number of Separate Plots of Scattered Crops Growing in the Parcels, by Type of Crop and by Location of Parcel
Table 3.8A	-	Number of Separate Plots of Scattered Crops Growing in the Parcels, REPORTING NUMBERS OF PLANTS/TREES, by Type of Crop and by Location of Parcel
Table 3.9	-	Number of Scattered Crops/Plants Growing in the Parcels at the time of the Census, by Type of Crop and by Location of Parcel
Table 3.9A	-	Number of Scattered Crops/Plants Growing in the Parcels at the time of the Census, by Type of Crop and by Location of Parcel (Expanded for Missing Data)
Table 3.10	-	Single Crop Equivalent Area of Scattered Crops Growing in the Parcels, by Type of Crop and by Location of Parcel
Table 3.10A	-	Single Crop Equivalent Area of Scattered Crops Growing in the Parcels, by Type of Crop and by Location of Parcel (Expanded for Missing data)
Table 3.11	-	Number of Separate Plots of Scattered Crops Growing in the Parcels, by Type of Crop, Size of Planting and by Region
Table 3.12	-	Number of Scattered Crops/Plants Growing in the Parcels at the Time of the Census, by Type of Crop, Size of Planting and by Region
Table 3.13	-	Number of Scattered Crops/Plants Growing in the Parcels, by Type of Crop, Proportion for Sale and by Region

### SCATTERED CROPS OUTSIDE PARCELS

Table 3.14	-	Number of Separate Plantings of Scattered Crops Outside the Parcel, by Type of Crop and by Island
Table 3.15	-	Number of Scattered Crops/Plants Growing Outside the Parcels at the time of the Census, by Type of Crop and by Island
Table 3.16	-	Single Crop Equivalent Area of Scattered Crops/Plants Growing Outside the Parcels at the Time of the Census, by Type of Crop and by Island
Table 3.17	-	Number of Separate Plantings of Scattered Crops Outside the Parcels, by Type of Crop and by Region
Table 3.18	-	Number of Scattered Crops/Plants Growing Outside the Parcels at the Time of the Census, by Type of Crop, Size of Planting and by Region

### MINOR AGRICULTURAL ACTIVITY

Table 3.19	-	Number of Separate Plantings of Crops Currently Grown by Minor Agricultural Households, by Type of Crop and by Island
Table 3.20	-	Number of Crops/Plants Currently Grown by Minor Agricultural Households, by Type of Crop and by Island
Table 3.21	-	Single Crop Equivalent Area of Crops/Plants Currently Grown by Minor Agricultural Households, by Type of Crop and by Island
Table 3.22	-	Number of Crops/Plants Currently Grown by Minor Agricultural Households, by Area in Square Metres and Acres, by Type of Crop

### CROP SUMMARY

Table 3.23	-	Total Area Harvested of Crops Planted in the Parcels in the 12 Months Preceding the Census and Already Harvested, by Type of Crop and Proportion Sold
Table 3.24	-	Number and Area of Plots Fallow/Waiting to be Planted or Used for Other Purposes, by Island
Table 3.25	-	Summary of Single Crop Equivalent Area (In Acres), by Type of Crop and Method of Planting
Table 3.26	-	Summary of Number of Plants/Trees, by Type of Crop and Method of Planting

Table 3.1 Number of Separate Plots of Crops Growing in Parcels Other Than Scattered Crops by Type of Crop and by Location of Parcel

Type of Crop	Cook Islands	Location of Parcel											
		Rarotonga	Aitutaki	Mangala	Atiu	Mauke	Mititiro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penrhyn
<b>COOK ISLANDS</b>	<b>5,882</b>	<b>2,940</b>	<b>1,631</b>	<b>357</b>	<b>295</b>	<b>327</b>	<b>203</b>	<b>86</b>	<b>21</b>	<b>2</b>	<b>13</b>	<b>6</b>	<b>1</b>
<b>TREE CROPS</b>	<b>838</b>	<b>556</b>	<b>179</b>	<b>15</b>	<b>13</b>	<b>53</b>	<b>7</b>	<b>1</b>	<b>7</b>	<b>2</b>	<b>5</b>	<b>5</b>	<b>1</b>
Avocado	2	1	-	-	-	1	-	-	-	-	-	-	-
Banana	436	241	121	14	8	32	6	-	6	2	-	5	1
Breadfruit	1	-	1	-	-	-	-	-	-	-	-	-	-
Chestnut	-	-	-	-	-	-	-	-	-	-	-	-	-
Coconut	12	-	-	-	1	11	-	-	-	-	-	-	-
Coffee	1	1	-	-	-	-	-	-	-	-	-	-	-
Lenon	21	17	3	-	-	1	-	-	-	-	-	-	-
Mango	-	-	-	-	-	-	-	-	-	-	-	-	-
Nono	67	43	24	-	-	-	-	-	-	-	-	-	-
Orange	72	59	10	-	-	3	-	-	-	-	-	-	-
Pawpaw - Solo	121	106	10	1	1	2	-	-	1	-	-	-	-
Other Tree Crops	105	88	10	-	3	3	1	-	-	-	-	-	-
<b>VEGETABLE CROPS</b>	<b>740</b>	<b>480</b>	<b>140</b>	<b>11</b>	<b>43</b>	<b>54</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Bean	37	32	1	-	4	-	-	-	-	-	-	-	-
Cabbage - European	33	13	10	3	2	4	1	-	-	-	-	-	-
Capiscum	61	43	11	-	2	5	-	-	-	-	-	-	-
Chilli	6	6	-	-	-	-	-	-	-	-	-	-	-
Lettuce	49	35	9	-	1	4	-	-	-	-	-	-	-
Melon	144	91	33	3	5	9	3	-	-	-	-	-	-
Pineapple	74	37	21	1	3	12	-	-	-	-	-	-	-
Tomato	112	59	27	2	8	13	3	-	-	-	-	-	-
Other Vegetable Crops	224	164	28	2	18	7	5	-	-	-	-	-	-
<b>ROOT CROPS</b>	<b>2,310</b>	<b>955</b>	<b>669</b>	<b>206</b>	<b>138</b>	<b>125</b>	<b>121</b>	<b>70</b>	<b>12</b>	<b>-</b>	<b>13</b>	<b>1</b>	<b>-</b>
Cassava	655	263	249	40	25	38	40	-	-	-	-	-	-
Kumara	296	108	132	13	10	26	6	1	-	-	-	-	-
Puraka	20	2	1	-	-	-	6	2	2	-	6	1	-
Taro - Dry	67	19	35	-	-	4	9	-	-	-	-	-	-
Taro - Wet Flooded	78	18	2	7	1	2	-	37	10	-	1	-	-
Taro - Wet Raised	830	430	115	110	73	40	30	26	-	-	6	-	-
Tarua	328	103	132	28	18	14	29	4	-	-	-	-	-
Other Root Crop	36	12	3	8	11	1	1	-	-	-	-	-	-
<b>OTHER CROPS*</b>	<b>174</b>	<b>80</b>	<b>54</b>	<b>7</b>	<b>18</b>	<b>13</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>NON-CROPS</b>	<b>1,820</b>	<b>869</b>	<b>589</b>	<b>118</b>	<b>83</b>	<b>82</b>	<b>62</b>	<b>16</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Follow/Waiting to be Planted	1,642	869	411	118	83	82	62	16	1	-	-	-	-
Bush/Livestock	178	-	178	-	-	-	-	-	-	-	-	-	-

\* Other Crops are ornamental plants/Herbs & spices

Table 3.2. Area (In Acres) of Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type of Crop and by Location of Parcel

Type of Crop	Location of Parcel												
	Cook Islands	Rarotonga	Aitutaki	Mangala	Atiu	Mauke	Mitiaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penhyn
<b>COOK ISLANDS</b>	1,406.2	548.2	663.7	81.0	29.1	48.5	26.3	-	3.7	3.6	-	2.0	0.1
<b>TREE CROPS</b>	260.9	184.2	64.0	1.0	0.6	9.5	1.0	-	0.1	0.1	-	0.3	0.1
Avocado	0.1	0.1	-	-	-	0.0	-	-	-	-	-	-	-
Banana	70.3	41.1	21.8	0.9	0.4	4.6	1.0	-	0.1	0.1	-	0.3	0.1
Breadfruit	0.1	-	0.1	-	-	-	-	-	-	-	-	-	-
Chestnut	-	-	-	-	-	-	-	-	-	-	-	-	-
Coconut	4.2	-	-	-	0.0	4.2	-	-	-	-	-	-	-
Coffee	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-
Lemon	4.9	3.7	1.2	-	-	0.0	-	-	-	-	-	-	-
Mango	-	-	-	-	-	-	-	-	-	-	-	-	-
Nono	54.3	26.7	27.6	-	-	-	-	-	-	-	-	-	-
Orange	47.7	41.5	5.8	-	-	0.4	-	-	-	-	-	-	-
Pawpaw - Solo	43.5	40.2	3.0	0.1	0.0	0.1	-	-	0.0	-	-	-	-
Other Tree Crops	35.7	30.7	4.5	-	0.1	0.3	0.0	-	-	-	-	-	-
<b>VEGETABLE CROPS</b>	69.6	49.3	12.0	0.5	2.2	4.7	0.9	-	-	-	-	-	-
Bean	1.4	1.1	0.0	-	0.2	-	-	-	-	-	-	-	-
Cabbage - European	2.0	1.0	0.4	0.1	0.1	0.4	0.0	-	-	-	-	-	-
Capsicum	3.2	2.4	0.3	-	0.0	0.4	-	-	-	-	-	-	-
Chilli	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-
Lettuce	2.0	1.6	0.4	-	0.0	0.1	-	-	-	-	-	-	-
Melon	31.8	22.5	7.3	0.2	0.7	0.7	0.4	-	-	-	-	-	-
Pineapple	4.5	2.1	0.4	0.0	0.2	1.8	-	-	-	-	-	-	-
Tomato	9.9	5.9	2.3	0.2	0.3	0.9	0.2	-	-	-	-	-	-
Other Vegetable Crops	14.6	12.5	0.9	0.0	0.6	0.3	0.2	-	-	-	-	-	-
<b>ROOT CROPS</b>	268.2	117.6	44.0	46.7	15.2	21.4	15.9	-	2.7	3.0	-	1.6	0.0
Cassava	65.8	23.7	21.7	3.1	2.7	7.4	7.2	-	-	-	-	-	-
Kumara	15.5	8.2	2.8	0.3	0.6	3.2	0.4	-	0.0	-	-	-	-
Puraka	1.6	0.1	0.0	-	-	-	0.9	-	0.0	0.0	-	0.5	0.0
Taro - Dry	8.2	3.7	2.1	-	-	1.2	1.2	-	-	-	-	-	-
Taro - Wet Flooded	11.3	3.1	0.3	3.1	0.1	0.1	-	-	1.7	3.0	-	0.1	-
Taro - Wet Raised	136.6	68.4	7.7	37.0	10.2	8.0	3.2	-	1.0	-	-	1.0	-
Taru	25.4	8.3	9.4	2.2	1.1	1.4	2.9	-	0.0	-	-	-	-
Other Root Crop	3.8	1.9	0.1	1.0	0.6	0.0	0.2	-	-	-	-	-	-
<b>OTHER CROPS</b>	12.4	5.7	1.1	2.2	1.9	1.4	0.0	-	-	0.0	-	-	-
<b>NON-CROPS</b>	795.1	191.4	542.6	30.5	9.3	11.4	8.5	-	0.9	0.5	-	-	-
Fallow/Waiting to be Planted	402.1	191.4	149.6	30.5	9.3	11.4	8.5	-	0.9	0.5	-	-	-
Bush/Livestock	393.0	-	393.0	-	-	-	-	-	-	-	-	-	-

Table 3.3 Number of Plants in Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type of Crop and by Location of Parcel

Type of Crop	Location of Parcel												
	Cook Islands	Rarotonga	Aitutaki	Mangata	Atiu	Mauke	Mitiaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penthy
<b>COOK ISLANDS</b>	<b>4,480,817</b>	<b>2,234,991</b>	<b>584,863</b>	<b>719,114</b>	<b>260,416</b>	<b>406,759</b>	<b>163,324</b>	-	<b>43,703</b>	<b>48,439</b>	-	<b>19,093</b>	<b>115</b>
<b>TREE CROPS</b>	<b>113,451</b>	<b>82,712</b>	<b>25,217</b>	<b>659</b>	<b>318</b>	<b>3,502</b>	<b>659</b>	-	<b>64</b>	<b>48</b>	-	<b>222</b>	<b>50</b>
Avocado	5	4	-	-	-	1	-	-	-	-	-	-	-
Banana	47,438	27,729	14,733	592	271	3,094	654	-	45	48	-	222	50
Breadfruit	2	-	2	-	-	-	-	-	-	-	-	-	-
Chestnut	-	-	-	-	-	-	-	-	-	-	-	-	-
Coconut	188	-	-	-	1	187	-	-	-	-	-	-	-
Coffee	50	50	-	-	-	-	-	-	-	-	-	-	-
Lemon	662	499	160	-	-	3	-	-	-	-	-	-	-
Mango	-	-	-	-	-	-	-	-	-	-	-	-	-
Nono	10,970	5,396	5,574	-	-	-	-	-	-	-	-	-	-
Orange	6,448	5,613	784	-	-	51	-	-	-	-	-	-	-
Pawpaw - Solo	29,284	27,095	2,035	67	17	51	-	-	19	-	-	-	-
Other Tree Crops	18,404	16,326	1,929	-	29	115	5	-	-	-	-	-	-
<b>VEGETABLE CROPS</b>	<b>759,786</b>	<b>512,330</b>	<b>86,057</b>	<b>7,029</b>	<b>42,954</b>	<b>106,344</b>	<b>5,072</b>	-	-	-	-	-	-
Bean	23,145	18,842	422	-	3,881	-	-	-	-	-	-	-	-
Cabbage - European	31,965	16,364	6,598	1,336	1,120	6,152	395	-	-	-	-	-	-
Capsicum	217,749	163,005	21,382	-	3,049	30,313	-	-	-	-	-	-	-
Chilli	161	161	-	-	-	-	-	-	-	-	-	-	-
Lettuce	34,276	26,279	5,901	-	218	1,878	-	-	-	-	-	-	-
Melon	85,925	60,840	19,565	445	1,878	2,024	1,173	-	-	-	-	-	-
Pineapple	113,748	52,596	9,582	1,012	4,237	46,321	-	-	-	-	-	-	-
Tomato	66,635	39,962	15,649	1,214	2,288	5,978	1,544	-	-	-	-	-	-
Other Vegetable Crops	186,182	134,281	6,958	3,022	26,283	13,678	1,960	-	-	-	-	-	-
<b>ROOT CROPS</b>	<b>3,526,689</b>	<b>1,610,525</b>	<b>462,521</b>	<b>701,208</b>	<b>209,322</b>	<b>274,657</b>	<b>157,591</b>	-	<b>43,639</b>	<b>48,290</b>	-	<b>18,871</b>	<b>65</b>
Cassava	665,453	240,241	219,670	31,151	27,101	74,714	72,576	-	-	-	-	-	-
Kumara	251,557	133,334	44,897	4,857	9,070	52,317	7,036	-	46	-	-	-	-
Puraka	2,829	152	36	-	-	-	1,536	-	29	45	-	966	65
Taro-Dry	55,196	25,177	13,924	-	-	8,262	7,833	-	-	-	-	-	-
Taro-Wet, Flooded	183,519	50,829	4,654	49,535	836	1,214	-	-	26,992	48,245	-	1,214	-
Taro-Wet, Raised	2,211,023	1,106,844	125,105	599,717	165,383	129,876	51,016	-	16,391	-	-	16,691	-
Tarua	146,713	48,166	54,057	12,652	6,362	8,249	17,046	-	181	-	-	-	-
Other Root Crops	10,399	5,782	178	3,296	570	25	548	-	-	-	-	-	-
<b>OTHER CROPS</b>	<b>80,891</b>	<b>29,424</b>	<b>11,068</b>	<b>10,218</b>	<b>7,822</b>	<b>22,256</b>	<b>2</b>	-	-	<b>101</b>	-	-	-

Table 3.4 Number of Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type of Crop, Size of Plantings and by Region

Type of Crop	Total Number of Plots	Size of Planting (Number of Plants)							
		Less than 20	20 - 49	50 - 99	100 - 499	500-999	1000-4999	5000-9999	10000+
<b>COOK ISLANDS</b>	4,062	147	309	386	1,435	650	980	122	33
<b>TREE CROPS</b>	838	110	195	192	318	20	3	-	-
Avocado	2	2	-	-	-	-	-	-	-
Banana	436	43	115	118	157	3	-	-	-
Breadfruit	1	1	-	-	-	-	-	-	-
Chestnut	-	-	-	-	-	-	-	-	-
Coconut	12	8	4	-	-	-	-	-	-
Coffee	1	-	-	1	-	-	-	-	-
Lemon	21	5	13	3	-	-	-	-	-
Mango	-	-	-	-	-	-	-	-	-
Nono	67	3	8	21	32	3	-	-	-
Orange	72	18	27	13	12	1	1	-	-
Pawpaw - Solo	121	7	15	18	71	8	2	-	-
Other Tree Crops	105	23	13	18	46	5	-	-	-
<b>VEGETABLE CROPS</b>	740	12	30	53	314	152	147	25	7
Bean	37	-	3	-	20	6	8	-	-
Cabbage - European	33	-	-	3	15	8	6	1	-
Capsicum	61	-	-	-	4	8	34	11	4
Chilli	6	4	-	2	-	-	-	-	-
Lettuce	49	-	1	2	32	9	4	1	-
Melon	144	1	3	6	75	39	20	-	-
Pineapple	74	-	-	7	19	18	24	4	2
Tomato	112	2	6	6	60	23	14	1	-
Other Vegetable Crops	224	5	17	27	89	41	37	7	1
<b>ROOT CROPS</b>	2,310	12	62	114	731	461	808	96	26
Cassava	655	1	2	16	233	177	218	8	-
Kumara	296	-	18	25	135	50	65	2	1
Puraka	20	3	8	3	5	1	-	-	-
Taro-Dry	67	-	1	4	32	14	16	-	-
Taro-Wet, Flooded	78	-	2	7	13	14	34	6	2
Taro-Wet, Raised	830	-	2	12	119	149	447	78	23
Tarua	328	3	21	41	183	53	25	2	-
Other Root Crops	36	5	8	6	11	3	3	-	-
<b>OTHER CROPS</b>	174	13	22	27	72	17	22	1	-

Table 3.5 Number of Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type of Crop, Size of Single Crop Equivalent Area and by Region

Type of Crop	Total Number of Plots	Size of Single Crop Equivalent Area (In Acre)								
		Less than 0.25	0.25 - 0.49	0.50 - 0.99	1.00 - 1.99	2.00 - 2.99	3.00 - 4.99	5.00 - 9.99	10.00 and Over	
<b>COOK ISLANDS</b>	1,406.2	70.9	214.0	316.6	326.0	145.8	164.0	72.6	96.3	
<b>TREE CROPS</b>	260.9	8.1	32.0	70.1	84.0	22.3	21.5	6.9	16.0	
Avocado	0.1	-	0.0	0.1	-	-	-	-	-	
Banana	70.3	5.7	16.6	23.6	20.5	2.4	1.2	0.3	-	
Breadfruit	0.1	-	-	-	-	-	0.1	-	-	
Chestnut	-	-	-	-	-	-	-	-	-	
Coconut	4.2	-	0.6	0.6	3.1	-	-	-	-	
Coffee	0.1	-	0.1	-	-	-	-	-	-	
Lemon	4.9	0.4	0.6	1.4	2.6	-	-	-	-	
Mango	-	-	-	-	-	-	-	-	-	
Nono	54.3	0.4	2.6	11.8	20.9	8.2	10.3	-	-	
Orange	47.7	0.4	2.9	7.8	11.8	3.7	0.5	4.7	16.0	
Pawpaw - Solo	43.5	0.5	4.7	15.6	14.0	6.8	0.6	1.3	-	
Other Tree Crops	35.7	0.6	3.9	9.1	11.1	1.2	9.0	0.8	-	
<b>VEGETABLE CROPS</b>	69.6	4.1	14.1	23.1	21.8	4.5	1.1	1.0	-	
Bean	1.4	0.1	0.4	0.3	0.5	0.0	-	-	-	
Cabbage - European	2.0	0.1	0.1	0.5	1.2	0.1	0.1	-	-	
Capsicum	3.2	0.2	0.6	0.8	1.1	0.4	0.1	0.1	-	
Chilli	0.2	0.0	0.0	0.1	-	-	-	-	-	
Lettuce	2.0	0.2	0.4	0.4	1.0	0.0	-	-	-	
Melon	31.8	1.4	6.5	11.9	10.0	1.8	-	0.3	-	
Pineapple	4.5	0.5	1.3	1.3	1.4	-	0.0	-	-	
Tomato	9.9	0.4	1.9	3.0	2.6	0.9	0.4	0.7	-	
Other Vegetable Crops	14.6	1.2	2.9	4.8	4.0	1.3	0.4	-	-	
<b>ROOT CROPS</b>	268.2	34.8	85.0	84.1	53.1	9.1	1.4	0.8	-	
Cassava	65.8	8.5	23.2	19.3	12.8	1.4	0.1	0.5	-	
Kumara	15.5	1.3	5.2	4.0	4.4	0.4	0.3	0.1	-	
Puraka	1.6	0.4	0.4	0.8	0.0	-	-	-	-	
Taro-Dry	8.2	0.9	1.7	3.3	1.5	0.1	0.7	-	-	
Taro-Wet, Flooded	11.3	2.2	3.5	3.3	2.4	-	-	-	-	
Taro-Wet, Raised	136.6	18.6	43.9	43.5	24.9	5.3	0.0	0.3	-	
Taru	25.4	2.8	6.5	8.5	5.4	1.9	0.2	-	-	
Other Root Crops	3.8	0.2	0.6	1.4	1.7	-	-	-	-	
<b>OTHER CROPS</b>	12.4	1.4	2.8	3.9	3.9	0.1	0.4	-	-	
<b>NON-CROPS</b>	795.1	22.4	80.2	135.5	163.3	109.9	139.7	64.0	80.3	
Fallow/Waiting to be Planted	402.1	22.1	75.6	119.1	112.7	44.1	21.2	7.5	-	
Bush/Livestock	393.0	0.4	4.6	16.4	50.6	65.8	118.5	56.5	80.3	

Table 3.6 Single Crop Equivalent Area of Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type, Area Size and by Region

Type of Crop	Total Area	Size of Single Crop Equivalent Area (In Acre)									
		Less than 0.25	0.25 - 0.49	0.50 - 0.99	1.00 - 1.99	2.00 - 2.99	3.00 - 4.99	5.00 - 9.99	10.00 and Over		
<b>COOK ISLANDS</b>	1,406.2	70.9	214.0	316.6	326.0	145.8	164.0	72.6	96.3		
<b>TREE CROPS</b>	260.9	8.1	32.0	70.1	84.0	22.3	21.5	6.9	16.0		
Avocado	0.1	-	-	0.0	0.1	-	-	-	-		
Banana	70.3	5.7	16.6	23.6	20.5	2.4	1.2	0.3	-		
Breadfruit	0.1	-	-	-	-	-	0.1	-	-		
Chestnut	-	-	-	-	-	-	-	-	-		
Coconut	4.2	-	0.6	0.6	3.1	-	-	-	-		
Coffee	0.1	-	0.1	-	-	-	-	-	-		
Lemon	4.9	0.4	0.6	1.4	2.6	-	-	-	-		
Mango	-	-	-	-	-	-	-	-	-		
Nono	54.3	0.4	2.6	11.8	20.9	8.2	10.3	-	-		
Orange	47.7	0.4	2.9	7.8	11.8	3.7	0.5	4.7	16.0		
Pawpaw - Solo	43.5	0.5	4.7	15.6	14.0	6.8	0.6	1.3	-		
Other Tree Crops	35.7	0.6	3.9	9.1	11.1	1.2	9.0	0.8	-		
<b>VEGETABLE CROPS</b>	69.6	4.1	14.1	23.1	21.8	4.5	1.1	1.0	-		
Bean	1.4	0.1	0.4	0.3	0.5	0.0	-	-	-		
Cabbage - European	2.0	0.1	0.1	0.5	1.2	0.1	0.1	-	-		
Capsicum	3.2	0.2	0.6	0.8	1.1	0.4	0.1	0.1	-		
Chilli	0.2	0.0	0.0	0.1	-	-	-	-	-		
Lettuce	2.0	0.2	0.4	0.4	1.0	0.0	-	-	-		
Melon	31.8	1.4	6.5	11.9	10.0	1.8	-	0.3	-		
Pineapple	4.5	0.5	1.3	1.3	1.4	-	0.0	-	-		
Tomato	9.9	0.4	1.9	3.0	2.6	0.9	0.4	0.7	-		
Other Vegetable Crops	14.6	1.2	2.9	4.8	4.0	1.3	0.4	-	-		
<b>ROOT CROPS</b>	268.2	34.8	85.0	84.1	53.1	9.1	1.4	0.8	-		
Cassava	65.8	8.5	23.2	19.3	12.8	1.4	0.1	0.5	-		
Kumara	15.5	1.3	5.2	4.0	4.4	0.4	0.3	0.1	-		
Puraka	1.6	0.4	0.4	0.8	0.0	-	-	-	-		
Taro-Dry	8.2	0.9	1.7	3.3	1.5	0.1	0.7	-	-		
Taro-Wet, Flooded	11.3	2.2	3.5	3.3	2.4	-	-	-	-		
Taro-Wet, Raised	136.6	18.6	43.9	43.5	24.9	5.3	0.0	0.3	-		
Tarua	25.4	2.8	6.5	8.5	5.4	1.9	0.2	-	-		
Other Root Crops	3.8	0.2	0.6	1.4	1.7	-	-	-	-		
<b>OTHER CROPS</b>	12.4	1.4	2.8	3.9	3.9	0.1	0.4	-	-		
<b>NON-CROPS</b>	795.1	22.4	80.2	135.5	163.3	109.9	139.7	64.0	80.3		
Fallow/Waiting to be Planted	402.1	22.1	75.6	119.1	112.7	44.1	21.2	7.5	-		
Bush/Livestock	393.0	0.4	4.6	16.4	50.6	65.8	118.5	56.5	80.3		

# Proportion of Crop Area For Sale

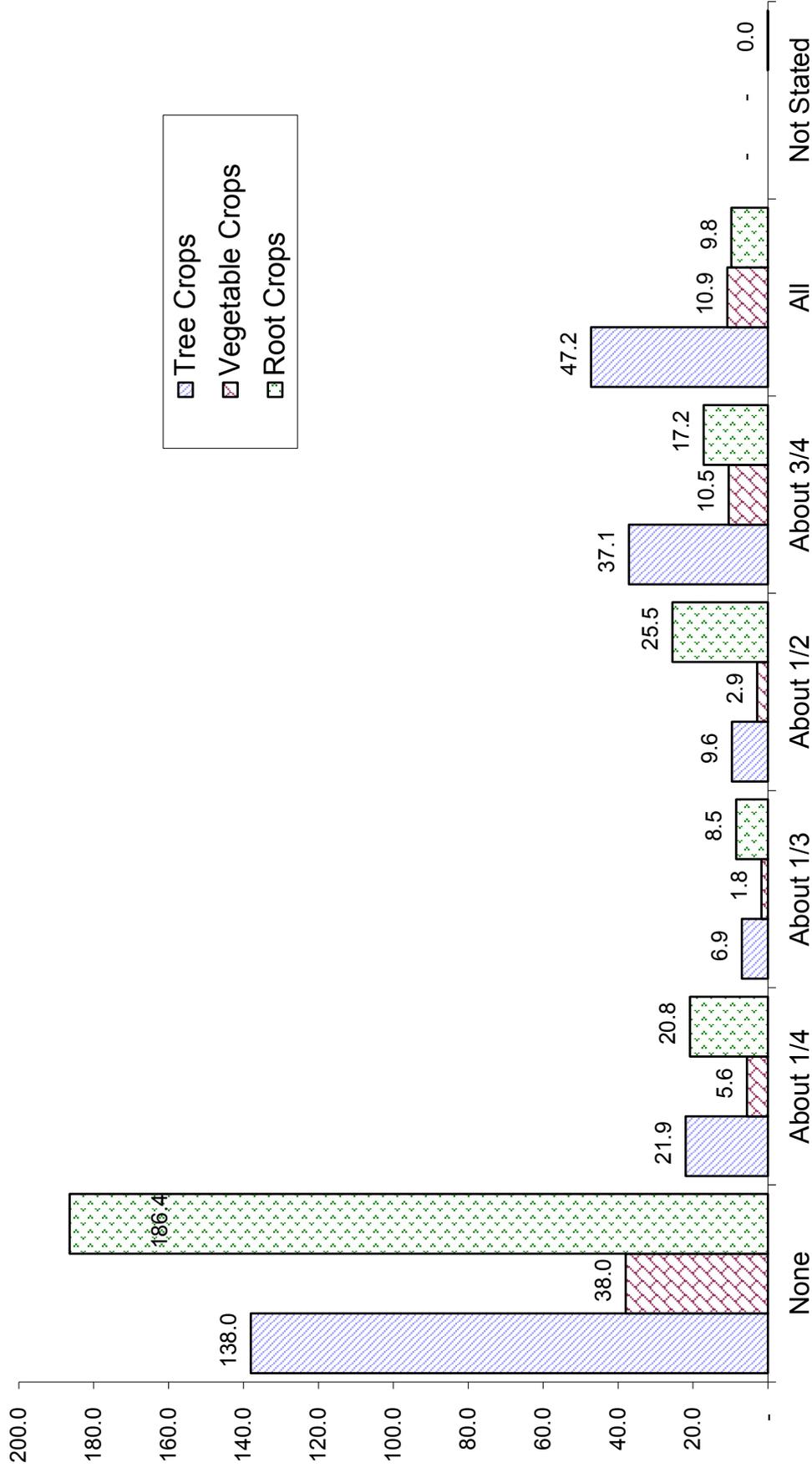


Table 3.7 Single Crop Equivalent Area (In Acres) of Separate Plots of Crops Growing in the Parcels Other Than Scattered Crops, by Type of Crop, Proportion for Sale and by Region

Type of Crop	Total Area	Proportion for Sale							All	Not Stated
		None	About 1/4	About 1/3	About 1/2	About 3/4	All	Not Stated		
<b>COOK ISLANDS</b>	<b>1,406.2</b>	<b>860.5</b>	<b>57.2</b>	<b>20.4</b>	<b>43.9</b>	<b>72.0</b>	<b>75.0</b>	<b>277.1</b>		
<b>TREE CROPS</b>	<b>260.9</b>	<b>138.0</b>	<b>21.9</b>	<b>6.9</b>	<b>9.6</b>	<b>37.1</b>	<b>47.2</b>			
Avocado	0.1	-	-	-	-	-	-	-	-	
Banana	70.3	48.3	8.4	2.6	4.0	2.3	4.6			
Breadfruit	0.1	0.1	-	-	-	-	-	-	-	
Chestnut	-	-	-	-	-	-	-	-	-	
Coconut	4.2	4.2	-	-	-	-	-	-	-	
Coffee	0.1	-	-	-	0.1	-	-	-	-	
Lemon	4.9	3.2	0.4	-	-	0.6	0.7			
Mango	-	-	-	-	-	-	-	-	-	
Nono	54.3	20.0	6.1	0.5	0.5	8.4	18.8			
Orange	47.7	13.9	1.5	1.6	2.0	19.3	9.4			
Pawpaw - Solo	43.5	27.3	2.6	1.0	1.0	4.6	6.9			
Other Tree Crops	35.7	20.9	2.8	1.2	1.9	2.0	6.8			
<b>VEGETABLE CROPS</b>	<b>69.6</b>	<b>38.0</b>	<b>5.6</b>	<b>1.8</b>	<b>2.9</b>	<b>10.5</b>	<b>10.9</b>			
Bean	1.4	1.0	0.3	-	0.0	0.1	0.0			
Cabbage - European	2.0	0.2	0.3	0.2	0.1	0.1	1.0			
Capiscium	3.2	2.1	0.4	0.1	0.2	0.1	0.4			
Chilli	0.2	0.1	-	-	-	-	0.1			
Lettuce	2.0	0.9	0.2	-	0.0	0.2	0.6			
Melon	31.8	16.3	2.8	0.9	1.5	6.5	3.9			
Pineapple	4.5	2.4	0.4	0.4	0.3	0.1	0.9			
Tomato	9.9	3.3	0.7	-	0.4	2.7	2.7			
Other Vegetable Crops	14.6	11.6	0.5	0.2	0.2	0.7	1.4			
<b>ROOT CROPS</b>	<b>268.2</b>	<b>186.4</b>	<b>20.8</b>	<b>8.5</b>	<b>25.5</b>	<b>17.2</b>	<b>9.8</b>	<b>0.0</b>		
Cassava	65.8	51.3	6.1	1.5	2.1	2.5	2.2			
Kumara	15.5	12.2	0.9	0.3	0.8	0.5	0.8			
Pureka	1.6	1.5	-	-	-	-	0.1			
Taro-Dry	8.2	5.5	0.3	0.8	0.8	0.3	0.5			
Taro-Wet, Flooded	11.3	7.1	0.6	-	2.4	0.9	0.3			
Taro-Wet, Raised	136.6	89.9	11.5	3.7	17.6	10.1	3.8			
Tarua	25.4	16.6	1.3	2.2	1.3	2.0	2.0		0.0	
Other Root Crops	3.8	2.2	0.1	-	0.5	1.0	0.1		-	
<b>OTHER CROPS</b>	<b>12.4</b>	<b>9.0</b>	<b>1.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.7</b>	<b>1.3</b>			
<b>NON-CROPS</b>	<b>795.1</b>	<b>489.1</b>	<b>7.7</b>	<b>3.0</b>	<b>5.9</b>	<b>6.5</b>	<b>5.9</b>	<b>277.1</b>		
Fallow/Waiting to be Planted	402.1	358.8	7.7	3.0	5.9	6.5	5.9	14.4		
Bush/Livestock	393.0	130.3	-	-	-	-	-	14.4	262.7	

Table 3.8 Single Crop Equivalent Area (in Acres) of Scattered Crops Growing in the Parcels, by Type of Crop and Island (Expanded for missing data)

Type of Crop	Cook Islands	Location of Parcel										
		Rarotonga	Aitutaki	Mangala	Atiu	Mauke	Mitiaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga
<b>COOK ISLANDS</b>	407	338	23	11	-	11	2	-	15	7	-	-
<b>TREE CROPS</b>	363	313	13	10	-	9	2	-	9	7	-	-
Avocado	22	22	-	-	-	-	-	-	-	-	-	-
Banana	65	41	6	3	-	6	2	-	6	1	-	-
Breadfruit	9	9	-	-	-	-	-	-	-	-	-	-
Chestnut	17	16	1	-	-	-	-	-	-	-	-	-
Coconut	120	110	1	2	-	1	-	-	-	6	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	16	16	-	-	-	-	-	-	-	-	-	-
Mango	46	43	1	-	-	2	-	-	-	-	-	-
Nono	5	5	-	-	-	-	-	-	-	-	-	-
Orange	13	9	1	3	-	-	-	-	-	-	-	-
Pawpaw - Solo	12	10	-	-	-	-	-	-	2	-	-	-
Other Tree Crops	38	32	3	2	-	-	-	-	1	-	-	-
<b>VEGETABLE CROPS</b>	16	9	5	-	-	1	-	-	1	-	-	-
Bean	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-	-	-
Chilli	1	1	-	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-	-
Melon	-	-	-	-	-	-	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	1	1	-	-	-	-	-	-	-	-	-	-
Other Vegetable Crops	14	8	4	-	-	1	-	-	1	-	-	-
<b>ROOT CROPS</b>	12	7	1	-	-	1	-	-	3	-	-	-
Cassava	1	-	-	-	-	1	-	-	-	-	-	-
Kumara	1	-	1	-	-	-	-	-	-	-	-	-
Puraka	1	-	-	-	-	-	-	1	-	-	-	-
Taro-Dry	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Flooded	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Raised	-	-	-	-	-	-	-	-	-	-	-	-
Tarua	3	1	-	-	-	-	-	-	2	-	-	-
Other Root Crops	6	6	-	-	-	-	-	-	-	-	-	-
<b>OTHER CROPS</b>	16	9	4	1	-	-	-	-	2	-	-	-

Table 3.8A Single Crop Equivalent Area (In Acres) of Scattered Crops Growing in the Parcels, by Type of Crop and Island (Expanded for missing data)

Type of Crop	Location of Parcel											
	Cook Islands	Rarotonga	Aitutaki	Mangaia	Atiu	Mauke	Mititaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga
<b>COOK ISLANDS</b>	201	132	23	11	-	11	2	-	15	7	-	-
<b>TREE CROPS</b>	172	122	13	10	-	9	2	-	9	7	-	-
Avocado	6	6	-	-	-	-	-	-	-	-	-	-
Banana	44	20	6	3	-	6	2	-	6	1	-	-
Breadfruit	1	1	-	-	-	-	-	-	-	-	-	-
Chestnut	4	3	1	-	-	-	-	-	-	-	-	-
Coconut	62	52	1	2	-	1	-	-	-	6	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	3	3	-	-	-	-	-	-	-	-	-	-
Mango	24	21	1	-	-	2	-	-	-	-	-	-
Nono	1	1	-	-	-	-	-	-	-	-	-	-
Orange	5	1	1	3	-	-	-	-	-	-	-	-
Pawpaw - Solo	5	3	-	-	-	-	-	-	2	-	-	-
Other Tree Crops	17	11	3	2	-	-	-	-	1	-	-	-
<b>VEGETABLE CROPS</b>	10	3	5	-	-	1	-	-	1	-	-	-
Bean	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-	-	-
Chilli	-	-	-	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-	-
Melon	-	-	-	-	-	-	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	1	-	1	-	-	-	-	-	-	-	-	-
Other Vegetable Crops	9	3	4	-	-	1	-	-	1	-	-	-
<b>ROOT CROPS</b>	9	4	1	-	-	1	-	-	3	-	-	-
Cassava	1	-	-	-	-	1	-	-	-	-	-	-
Kumara	1	-	1	-	-	-	-	-	-	-	-	-
Puraka	1	-	-	-	-	-	-	-	1	-	-	-
Taro-Dry	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Flooded	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Raised	-	-	-	-	-	-	-	-	-	-	-	-
Tarua	2	-	-	-	-	-	-	-	2	-	-	-
Other Root Crops	4	4	-	-	-	-	-	-	-	-	-	-
<b>OTHER CROPS</b>	10	3	4	1	-	-	-	-	2	-	-	-

Table 3.9 Single Crop Equivalent Area (In Acres) of Scattered Crops Growing in the Parcels, by Type of Crop and Island (Expanded for missing data)

Type of Crop	Cook Islands	Location of Parcel										
		Rarotonga	Aitutaki	Mangata	Atiu	Mauke	Mititaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga
<b>COOK ISLANDS</b>	8,050	3,275	2,784	188	-	1,297	22	-	157	327	-	-
<b>TREE CROPS</b>	3,279	2,123	360	178	-	177	22	-	92	327	-	-
Avocado	75	75	-	-	-	-	-	-	-	-	-	-
Banana	1,086	584	191	14	-	109	22	-	84	82	-	-
Breadfruit	-	-	-	-	-	-	-	-	-	-	-	-
Chestnut	93	84	9	-	-	-	-	-	-	-	-	-
Coconut	1,031	703	5	70	-	8	-	-	-	245	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	28	28	-	-	-	-	-	-	-	-	-	-
Mango	387	309	18	-	-	60	-	-	-	-	-	-
Nono	14	14	-	-	-	-	-	-	-	-	-	-
Orange	86	32	4	50	-	-	-	-	-	-	-	-
Pawpaw - Solo	12	7	-	-	-	-	-	-	5	-	-	-
Other Tree Crops	467	287	133	44	-	-	-	-	3	-	-	-
<b>VEGETABLE CROPS</b>	3,263	1,030	2,112	-	-	120	-	-	1	-	-	-
Bean	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-	-	-
Chilli	30	30	-	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-	-
Melon	-	-	-	-	-	-	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	2,000	-	2,000	-	-	-	-	-	-	-	-	-
Other Vegetable Crops	1,233	1,000	112	-	-	120	-	-	1	-	-	-
<b>ROOT CROPS</b>	1,302	80	180	-	-	1,000	-	-	42	-	-	-
Cassava	1,000	-	-	-	-	1,000	-	-	-	-	-	-
Kumara	180	-	180	-	-	-	-	-	-	-	-	-
Puraka	14	-	-	-	-	-	-	-	14	-	-	-
Taro-Dry	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Flooded	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Raised	-	-	-	-	-	-	-	-	-	-	-	-
Tarua	28	-	-	-	-	-	-	-	-	-	-	-
Other Root Crops	80	80	-	-	-	-	-	-	28	-	-	-
<b>OTHER CROPS</b>	206	42	132	10	-	-	-	-	22	-	-	-

Table 3.9A Single Crop Equivalent Area (in Acres) of Scattered Crops Growing in the Parcels, by Type of Crop and Island (Expanded for missing data)

Type of Crop	Location of Parcel												
	Cook Islands	Rarotonga	Aitutaki	Mangataia	Aitu	Mauke	Mitaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penrhyn
<b>COOK ISLANDS</b>	13,093	8,318	2,784	188	-	1,297	22	-	157	327	-	-	-
<b>TREE CROPS</b>	6,562	5,406	360	178	-	177	22	-	92	327	-	-	-
Avocado	275	275	-	-	-	-	-	-	-	-	-	-	-
Banana	1,699	1,197	191	14	-	109	22	-	84	82	-	-	-
Breadfruit	-	-	-	-	-	-	-	-	-	-	-	-	-
Chestnut	457	448	9	-	-	-	-	-	-	-	-	-	-
Coconut	1,815	1,487	5	70	-	8	-	-	-	245	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	149	149	-	-	-	-	-	-	-	-	-	-	-
Mango	711	633	18	-	-	60	-	-	-	-	-	-	-
Nono	70	70	-	-	-	-	-	-	-	-	-	-	-
Orange	342	288	4	50	-	-	-	-	-	-	-	-	-
Pawpaw - Solo	28	23	-	-	-	-	-	-	5	-	-	-	-
Other Tree Crops	1,015	835	133	44	-	-	-	-	3	-	-	-	-
<b>VEGETABLE CROPS</b>	4,900	2,667	2,112	-	-	120	-	-	1	-	-	-	-
Bean	-	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilli	-	-	-	-	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-	-	-
Melon	-	-	-	-	-	-	-	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	2,000	-	2,000	-	-	-	-	-	-	-	-	-	-
Other Vegetable Crops	2,900	2,667	112	-	-	120	-	-	1	-	-	-	-
<b>ROOT CROPS</b>	1,342	120	180	-	-	1,000	-	-	42	-	-	-	-
Cassava	1,000	-	-	-	-	1,000	-	-	-	-	-	-	-
Kumara	180	-	180	-	-	-	-	-	-	-	-	-	-
Puraka	14	-	-	-	-	-	-	-	14	-	-	-	-
Taro-Dry	-	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Flooded	-	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Raised	-	-	-	-	-	-	-	-	-	-	-	-	-
Tarua	28	-	-	-	-	-	-	-	28	-	-	-	-
Other Root Crops	120	120	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER CROPS</b>	290	126	132	10	-	-	-	-	22	-	-	-	-

Table 3.10 Single Crop Equivalent Area (In Acres) of Scattered Crops Growing in the Parcels, by Type of Crop and Island (Expanded for missing data)

Type of Crop	Cook Islands	Location of Parcel										
		Rarotonga	Aitutaki	Mangata	Atiu	Mauke	Mitiaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga
<b>COOK ISLANDS</b>	33.1	21.9	1.5	0.8	-	0.8	0.0	-	0.2	8.0	-	-
<b>TREE CROPS</b>	32.2	21.5	1.1	0.8	-	0.7	0.0	-	0.2	8.0	-	-
Avocado	0.6	0.6	-	-	-	-	-	-	-	-	-	-
Banana	1.3	0.5	0.3	0.1	-	0.2	0.0	-	0.1	0.0	-	-
Breadfruit	0.1	0.1	-	-	-	-	-	-	-	-	-	-
Chestnut	0.4	0.3	0.1	-	-	-	-	-	-	-	-	-
Coconut	23.8	14.8	0.4	0.4	-	0.2	-	-	-	7.9	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	0.4	0.4	-	-	-	-	-	-	-	-	-	-
Mango	4.0	3.7	0.1	-	0.2	-	-	-	-	-	-	-
Nono	0.0	0.0	-	-	-	-	-	-	-	-	-	-
Orange	0.3	0.1	0.1	0.2	-	-	-	-	-	-	-	-
Pawpaw - Solo	0.5	0.5	-	-	-	-	-	-	0.0	-	-	-
Other Tree Crops	0.7	0.6	0.1	0.0	-	-	-	-	0.0	-	-	-
<b>VEGETABLE CROPS</b>	0.6	0.2	0.3	-	-	0.0	-	-	0.0	-	-	-
Bean	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-	-	-
Chilli	-	-	-	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-	-
Melon	-	-	-	-	-	-	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	0.3	-	0.3	-	-	-	-	-	-	-	-	-
Other Vegetable Crops	0.3	0.2	0.0	-	0.0	-	-	-	0.0	-	-	-
<b>ROOT CROPS</b>	0.2	0.0	0.0	-	-	0.1	-	-	0.0	-	-	-
Cassava	0.1	-	-	-	-	0.1	-	-	-	-	-	-
Kumara	0.0	-	0.0	-	-	-	-	-	-	-	-	-
Puraka	0.0	-	-	-	-	-	-	-	0.0	-	-	-
Taro-Dry	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Flooded	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Raised	-	-	-	-	-	-	-	-	-	-	-	-
Tarua	0.0	-	-	-	-	-	-	-	0.0	-	-	-
Other Root Crops	0.0	0.0	-	-	-	-	-	-	-	-	-	-
<b>OTHER CROPS</b>	0.2	0.2	0.0	0.0	-	-	-	-	0.0	-	-	-

Table 3.10A Single Crop Equivalent Area (In Acres) of Scattered Crops Growing in the Parcels, by Type of Crop and Island (Expanded for missing data)

Type of Crop	Location of Parcel												
	Cook Islands	Rarotonga	Aitutaki	Mangalaia	Atiu	Mauke	Mititara	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penrhyn
<b>COOK ISLANDS</b>	<b>62.5</b>	<b>51.2</b>	<b>1.5</b>	<b>0.8</b>	<b>-</b>	<b>0.8</b>	<b>0.0</b>	<b>-</b>	<b>0.2</b>	<b>8.0</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TREE CROPS</b>	<b>60.8</b>	<b>50.1</b>	<b>1.1</b>	<b>0.8</b>	<b>-</b>	<b>0.7</b>	<b>0.0</b>	<b>-</b>	<b>0.2</b>	<b>8.0</b>	<b>-</b>	<b>-</b>	<b>-</b>
Avocado	2.0	2.0	-	-	-	-	-	-	-	-	-	-	-
Banana	1.8	1.0	0.3	0.1	-	0.2	0.0	-	0.1	0.0	-	-	-
Breadfruit	0.7	0.7	-	-	-	-	-	-	-	-	-	-	-
Chestnut	1.5	1.3	0.1	-	-	-	-	-	-	-	-	-	-
Coconut	40.4	31.4	0.4	0.4	-	0.2	-	-	-	7.9	-	-	-
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	1.9	1.9	-	-	-	-	-	-	-	-	-	-	-
Mango	7.9	7.6	0.1	-	-	0.2	-	-	-	-	-	-	-
Nono	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-
Orange	0.8	0.5	0.1	0.2	-	-	-	-	-	-	-	-	-
Pawpaw - Solo	1.8	1.8	-	-	-	-	-	-	0.0	-	-	-	-
Other Tree Crops	1.8	1.7	0.1	0.0	-	-	-	-	0.0	-	-	-	-
<b>VEGETABLE CROPS</b>	<b>0.9</b>	<b>0.6</b>	<b>0.3</b>	<b>-</b>	<b>-</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Bean	-	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-	-	-	-
Chilli	-	-	-	-	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-	-	-
Melon	-	-	-	-	-	-	-	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	0.3	-	0.3	-	-	-	-	-	-	-	-	-	-
Other Vegetable Crops	0.6	0.6	0.0	-	-	0.0	-	-	0.0	-	-	-	-
<b>ROOT CROPS</b>	<b>0.2</b>	<b>0.1</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>0.1</b>	<b>-</b>	<b>-</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Cassava	0.1	-	-	-	-	0.1	-	-	-	-	-	-	-
Kumara	0.0	-	0.0	-	-	-	-	-	-	-	-	-	-
Puraka	0.0	-	-	-	-	-	-	-	0.0	-	-	-	-
Taro-Dry	-	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Flooded	-	-	-	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Raised	-	-	-	-	-	-	-	-	-	-	-	-	-
Taruua	0.0	-	-	-	-	-	-	-	0.0	-	-	-	-
Other Root Crops	0.1	0.1	-	-	-	-	-	-	-	-	-	-	-

Table 3.11 Number of Separate Plots of Scattered Crops Growing in the Parcels, by Type of Crop and Size of Planting (Number of Plants)

Type of Crop	Total Number of Plots	Size of Planting (Number of Plants)				
		Less than 10	10 - 24	25 - 49	50 - 99	100 and Over
<b>COOK ISLANDS</b>	<b>407</b>	<b>305</b>	<b>58</b>	<b>20</b>	<b>16</b>	<b>8</b>
<b>TREE CROPS</b>	<b>363</b>	<b>279</b>	<b>52</b>	<b>19</b>	<b>11</b>	<b>2</b>
Avocado	22	21	1	-	-	-
Banana	65	34	18	10	3	-
Breadfruit	9	9	-	-	-	-
Chestnut	17	17	-	-	-	-
Coconut	120	86	19	7	8	-
Coffee	-	-	-	-	-	-
Lemon	16	14	1	1	-	-
Mango	46	40	6	-	-	-
Nono	5	5	-	-	-	-
Orange	13	10	3	-	-	-
Pawpaw - Solo	12	10	-	-	-	2
Other Tree Crops	38	33	4	1	-	-
<b>VEGETABLE CROPS</b>	<b>16</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>3</b>
Bean	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-
Chilli	1	1	-	-	-	-
Lettuce	-	-	-	-	-	-
Melon	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-
Tomato	1	-	-	-	-	1
Other Vegetable Crops	14	7	1	1	3	2
<b>ROOT CROPS</b>	<b>12</b>	<b>9</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>
Cassava	1	-	-	-	-	1
Kumara	1	-	-	-	-	1
Puraka	1	1	-	-	-	-
Taro-Dry	-	-	-	-	-	-
Taro-Wet, Flooded	-	-	-	-	-	-
Taro-Wet, Raised	-	-	-	-	-	-
Taru	3	3	-	-	-	-
Other Root Crops	6	5	-	-	-	1
<b>OTHER CROPS</b>	<b>16</b>	<b>9</b>	<b>5</b>	<b>-</b>	<b>2</b>	<b>-</b>

Table 3.12 Number of Scattered Crops/Plants Growing in the Parcels at the Time of the Census, by Type of Crop, Size of Planting

Type of Crop	Total Number of Plants	Size of Planting (Number of Plants)				
		Less than 10	10 - 24	25 - 49	50 - 99	100 and Over
<b>COOK ISLANDS</b>	<b>8,095</b>	<b>404</b>	<b>871</b>	<b>705</b>	<b>965</b>	<b>5,150</b>
<b>TREE CROPS</b>	<b>2,776</b>	<b>369</b>	<b>764</b>	<b>665</b>	<b>628</b>	<b>350</b>
Avocado	25	10	15	-	-	-
Banana	891	68	298	375	150	-
Breadfruit	3	3	-	-	-	-
Chestnut	15	15	-	-	-	-
Coconut	1,072	120	248	226	478	-
Coffee	-	-	-	-	-	-
Lemon	49	9	10	30	-	-
Mango	182	79	103	-	-	-
Nono	9	9	-	-	-	-
Orange	42	12	30	-	-	-
Pawpaw - Solo	360	10	-	-	-	350
Other Tree Crops	128	34	60	34	-	-
<b>VEGETABLE CROPS</b>	<b>3,357</b>	<b>4</b>	<b>13</b>	<b>40</b>	<b>180</b>	<b>3,120</b>
Bean	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-
Chilli	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-
Melon	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-
Tomato	2,000	-	-	-	-	2,000
Other Vegetable Crops	1,357	4	13	40	180	1,120
<b>ROOT CROPS</b>	<b>1,704</b>	<b>24</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,680</b>
Cassava	1,000	-	-	-	-	1,000
Kumara	180	-	-	-	-	180
Puraka	3	3	-	-	-	-
Taro-Diy	-	-	-	-	-	-
Taro-Wet, Flooded	-	-	-	-	-	-
Taro-Wet, Raised	-	-	-	-	-	-
Taruva	14	14	-	-	-	-
Other Root Crops	507	7	-	-	-	500
<b>OTHER CROPS</b>	<b>258</b>	<b>7</b>	<b>94</b>	<b>-</b>	<b>157</b>	<b>-</b>

Table 3.13 Number of Scattered Crops/Plants Growing in the Parcels, by Type of Crop and Proportion for Sale

Type of Crop	Total Number of Plants	Proportion for Sale						
		None	About 1/4	About 1/3	About 1/2	About 3/4	All	Not Stated
<b>COOK ISLANDS</b>	8,095	-	304	186	8	2,052	149	5,396
<b>TREE CROPS</b>	2,776	-	194	186	4	52	147	2,193
Avocado	25	-	2	15	-	2	1	5
Banana	891	-	54	-	-	24	18	795
Breadfruit	3	-	-	-	-	-	-	3
Chestnut	15	-	-	-	-	-	-	15
Coconut	1,072	-	96	19	-	24	60	873
Coffee	-	-	-	-	-	-	-	-
Lemon	49	-	9	-	-	-	-	40
Mango	182	-	29	2	-	2	34	115
Nono	9	-	-	-	-	-	-	9
Orange	42	-	-	-	4	-	-	38
Pawpaw - Solo	360	-	-	150	-	-	-	210
Other Tree Crops	128	-	4	-	-	-	34	90
<b>VEGETABLE CROPS</b>	3,357	-	50	-	-	2,000	-	1,307
Bean	-	-	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-
Chilli	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-
Melon	-	-	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-	-	-
Tomato	2,000	-	-	-	-	2,000	-	-
Other Vegetable Crops	1,357	-	50	-	-	-	-	1,307
<b>ROOT CROPS</b>	1,704	-	-	-	4	-	2	1,698
Cassava	1,000	-	-	-	-	-	-	1,000
Kumara	180	-	-	-	-	-	-	180
Puraka	3	-	-	-	-	-	-	3
Taro-Diy	-	-	-	-	-	-	-	-
Taro-Wet, Flooded	-	-	-	-	-	-	-	-
Taro-Wet, Raised	-	-	-	-	-	-	-	-
Tarua	14	-	-	-	-	-	-	14
Other Root Crops	507	-	-	-	4	-	2	501
<b>OTHER CROPS</b>	258	-	60	-	-	-	-	198

Table 3.14 Number of Separate Plantings of Scattered Crops Outside the Parcel, by Type of Crop and by Island

Type of Crop	Location of Parcel												
	Cook Islands	Rarotonga	Aitutaki	Mangata	Atiu	Mauke	Mititiro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penthyh
<b>COOK ISLANDS</b>	3,945	2,025	905	283	214	159	127	-	168	40	-	20	4
<b>TREE CROPS</b>	3,743	1,928	878	270	208	145	122	-	149	23	-	18	2
Avocado	198	121	45	13	14	3	2	-	-	-	-	-	-
Banana	299	141	33	34	11	4	19	-	52	1	-	2	2
Breadfruit	249	95	58	30	18	9	17	-	12	5	-	5	-
Chestnut	83	34	14	1	7	12	14	-	-	-	-	1	-
Coconut	750	336	213	67	51	29	21	-	29	4	-	-	-
Coffee	1	1	-	-	-	-	-	-	-	-	-	-	-
Lemon	293	194	70	10	13	2	1	-	1	2	-	-	-
Mango	659	315	197	37	46	30	19	-	15	-	-	-	-
Nono	31	19	9	2	1	-	-	-	-	-	-	-	-
Orange	141	78	22	15	10	1	13	-	1	1	-	-	-
Pawpaw - Solo	80	29	12	17	1	4	-	-	8	5	-	4	-
Other Tree Crops	959	565	205	44	36	51	16	-	31	5	-	6	-
<b>VEGETABLE CROPS</b>	73	50	14	2	1	1	-	-	2	-	-	2	1
Bean	-	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	2	1	1	-	-	-	-	-	-	-	-	-	-
Chilli	28	25	1	2	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-	-	-
Melon	1	-	-	-	-	-	-	-	-	-	-	1	-
Pineapple	2	1	-	-	-	1	-	-	-	-	-	-	-
Tomato	1	1	-	-	-	-	-	-	-	-	-	-	-
Other Vegetable Crops	39	22	12	-	1	-	-	-	2	-	-	1	1
<b>ROOT CROPS</b>	37	5	1	1	-	1	1	-	11	16	-	-	1
Cassava	1	-	-	-	-	-	-	-	1	-	-	-	-
Kumara	1	-	-	-	-	-	-	-	1	-	-	-	-
Puraka	8	-	-	-	-	-	-	-	1	7	-	-	-
Taro-Dry	2	1	1	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Flooded	2	-	-	-	-	-	-	-	1	-	-	-	1
Taro-Wet, Raised	-	-	-	-	-	-	-	-	-	-	-	-	-
Tarua	17	4	-	-	-	1	-	-	7	9	-	-	-
Other Root Crops	6	4	-	1	-	-	1	-	-	-	-	-	-
<b>OTHER CROPS</b>	92	42	12	10	5	12	4	-	6	1	-	-	-

Table 3.15 Number of Scattered Crops/Plants Growing Outside the Parcels at the time of the Census, by Type of Crop and by Island

Type of Crop	Location of Parcel												
	Cook Islands	Rarotonga	Aitutaki	Mangala	Atiu	Mauke	Mitaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penrhyn
<b>COOK ISLANDS</b>	28,337	11,460	5,130	2,928	1,781	1,417	2,396	-	2,118	705	-	255	147
<b>TREE CROPS</b>	25,590	10,060	4,899	2,790	1,711	1,325	2,354	-	1,906	358	-	102	85
Avocado	404	235	82	29	47	5	6	-	-	-	-	-	-
Banana	5,078	1,989	415	468	135	83	701	-	1,152	30	-	20	85
Breadfruit	685	184	128	67	70	31	148	-	20	16	-	21	-
Chestnut	326	57	38	4	16	50	160	-	-	-	-	1	-
Coconut	9,570	3,302	2,339	1,027	593	687	1,066	-	316	240	-	-	-
Coffee	10	10	-	-	-	-	-	-	-	-	-	-	-
Lemon	984	711	211	17	36	3	1	-	1	4	-	-	-
Mango	2,862	1,185	898	136	159	141	163	-	180	-	-	-	-
Nono	734	197	28	506	3	-	-	-	-	-	-	-	-
Orange	1,164	354	110	89	542	2	35	-	2	30	-	-	-
Pawpaw - Solo	630	214	79	183	5	19	-	-	61	23	-	46	-
Other Tree Crops	3,143	1,622	571	264	105	304	74	-	174	15	-	14	-
<b>VEGETABLE CROPS</b>	1,036	682	147	5	13	3	-	-	21	-	-	153	12
Bean	-	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	26	20	6	-	-	-	-	-	-	-	-	-	-
Chilli	227	221	1	5	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-	-	-
Melon	3	-	-	-	-	-	-	-	-	-	-	3	-
Pineapple	53	50	-	-	-	3	-	-	-	-	-	-	-
Tomato	20	20	-	-	-	-	-	-	-	-	-	-	-
Other Vegetable Crops	707	371	140	-	13	-	-	-	21	-	-	150	12
<b>ROOT CROPS</b>	748	181	10	50	-	4	4	-	106	343	-	-	50
Cassava	1	-	-	-	-	-	-	-	1	-	-	-	-
Kumara	1	-	-	-	-	-	-	-	1	-	-	-	-
Puraka	139	-	-	-	-	-	-	-	3	136	-	-	-
Taro-Dry	20	10	10	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Flooded	52	-	-	-	-	-	-	-	2	-	-	-	50
Taro-Wet, Raised	-	-	-	-	-	-	-	-	-	-	-	-	-
Tarua	310	-	-	-	-	4	-	-	99	207	-	-	-
Other Root Crops	225	171	-	50	-	-	4	-	-	-	-	-	-
<b>OTHER CROPS</b>	963	537	74	83	57	85	38	-	85	4	-	-	-

Table 3.16 Single Crop Equivalent Area (In Acres) of Scattered Crops/Plants Growing Outside the Parcels at the Time of the Census, by Type of Crop and by Island

Type of Crop	Cook Islands	Location of Parcel											
		Rarotonga	Aitutaki	Mangata	Atiu	Mauke	Mititaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penthy
<b>COOK ISLANDS</b>	<b>361.7</b>	<b>137.0</b>	<b>85.8</b>	<b>33.4</b>	<b>25.4</b>	<b>22.5</b>	<b>36.8</b>	<b>-</b>	<b>13.7</b>	<b>6.3</b>	<b>-</b>	<b>0.9</b>	<b>0.0</b>
<b>TREE CROPS</b>	<b>361.0</b>	<b>136.6</b>	<b>85.7</b>	<b>33.4</b>	<b>25.4</b>	<b>22.5</b>	<b>36.8</b>	<b>-</b>	<b>13.7</b>	<b>6.2</b>	<b>-</b>	<b>0.8</b>	<b>0.0</b>
Avocado	9.0	5.2	1.8	0.6	1.0	0.1	0.1	-	-	-	-	-	-
Banana	7.5	2.9	0.6	0.7	0.2	0.1	1.0	-	1.7	0.0	-	0.1	0.0
Breadfruit	17.1	4.6	3.2	1.7	1.8	0.8	3.7	-	0.5	0.4	-	0.5	-
Chestnut	8.2	1.4	1.0	0.1	0.4	1.3	4.0	-	-	0.0	-	0.0	-
Coconut	212.7	73.4	52.0	22.8	13.2	15.3	23.7	-	7.0	5.3	-	-	-
Coffee	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-
Lemon	7.3	5.3	1.6	0.1	0.3	0.0	0.0	-	0.0	0.0	-	-	-
Mango	63.6	26.3	20.0	3.0	3.5	3.1	3.6	-	4.0	-	-	-	-
Nono	3.6	1.0	0.1	2.5	0.0	-	-	-	-	-	-	-	-
Orange	8.6	2.6	0.8	0.7	4.0	0.0	0.3	-	0.0	0.2	-	-	-
Pawpaw - Solo	0.9	0.3	0.1	0.3	0.0	0.0	-	-	0.1	0.0	-	0.1	-
Other Tree Crops	22.4	13.4	4.5	0.9	0.9	1.8	0.3	-	0.3	0.1	-	0.1	-
<b>VEGETABLE CROPS</b>	<b>0.6</b>	<b>0.4</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>0.1</b>	<b>0.0</b>
Bean	-	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-
Chilli	0.2	0.2	0.0	0.0	-	-	-	-	-	-	-	-	-
Lettuce	-	-	-	-	-	-	-	-	-	-	-	-	-
Melon	0.0	-	-	-	-	-	-	-	-	-	-	0.0	-
Pineapple	0.0	0.0	-	-	-	0.0	-	-	-	-	-	-	-
Tomato	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-
Other Vegetable Crops	0.3	0.2	0.1	-	0.0	-	-	-	0.0	-	-	0.1	0.0
<b>ROOT CROPS</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>-</b>	<b>0.0</b>	<b>0.0</b>	<b>-</b>	<b>0.0</b>	<b>0.1</b>	<b>-</b>	<b>-</b>	<b>0.0</b>
Cassava	0.0	-	-	-	-	-	-	-	0.0	-	-	-	-
Kumara	0.0	-	-	-	-	-	-	-	0.0	-	-	-	-
Puraka	0.1	-	-	-	-	-	-	-	0.0	0.1	-	-	-
Taro-Dry	0.0	0.0	0.0	-	-	-	-	-	-	-	-	-	-
Taro-Wet, Flooded	0.0	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Taro-Wet, Raised	-	-	-	-	-	-	-	-	-	-	-	-	-
Tarua	0.1	-	-	-	-	0.0	-	-	0.0	0.0	-	-	-
Other Root Crops	0.0	0.0	-	0.0	-	-	0.0	-	-	-	-	-	-
<b>OTHER CROPS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

Due to rounding, areas of less than 0.01 are depicted with "0.0".

Table 3.17 Number of Separate Plantings of Scattered Crops Outside the Parcels by Size of Planting (Number of Plants) and by Type of Crop

Type of Crop	Total Number of Plants	Size of Planting (Number of Plants)				
		Less than 10	10 - 24	25 - 49	50 - 99	100 and Over
<b>COOK ISLANDS</b>	3,944	3,077	676	120	54	17
<b>TREE CROPS</b>	3,743	2,963	617	106	45	12
Avocado	198	197	1	-	-	-
Banana	299	95	151	32	17	4
Breadfruit	250	240	9	1	-	-
Chestnut	83	76	4	3	-	-
Coconut	750	384	283	59	18	6
Coffee	1	-	1	-	-	-
Lemon	293	283	7	1	2	-
Mango	659	601	55	2	1	-
Nono	31	24	4	1	1	1
Orange	141	121	17	2	-	1
Pawpaw - Solo	79	51	24	3	1	-
Other Tree Crops	959	891	61	2	5	-
<b>VEGETABLE CROPS</b>	72	41	22	2	5	2
Bean	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-
Capsicum	2	1	1	-	-	-
Chilli	28	24	2	-	1	1
Lettuce	-	-	-	-	-	-
Melon	-	-	-	-	-	-
Pineapple	2	1	-	-	1	-
Tomato	1	-	1	-	-	-
Other Vegetable Crops	39	15	18	2	3	1
<b>ROOT CROPS</b>	37	10	15	7	4	1
Cassava	1	1	-	-	-	-
Kumara	1	1	-	-	-	-
Puraka	8	1	5	2	-	-
Taro-Diy	2	-	2	-	-	-
Taro-Wet, Flooded	2	1	-	-	1	-
Taro-Wet, Raised	-	-	-	-	-	-
Tarua	17	4	7	5	1	-
Other Root Crops	6	2	1	-	2	1
<b>OTHER CROPS</b>	92	63	22	5	-	2

**Table 3.18 Number of Scattered Crops/Plants Growing Outside the Parcels at the Time of the Census, by Type of Crop and Size of Planting (Number of Plants)**

Type of Crop	Total Number of Plants	Size of Planting (Number of Plants)				
		Less than 10	10 - 24	25 - 49	50 - 99	100 and Over
<b>COOK ISLANDS</b>	<b>28,264</b>	<b>9,138</b>	<b>9,317</b>	<b>3,804</b>	<b>3,005</b>	<b>3,000</b>
<b>TREE CROPS</b>	<b>25,534</b>	<b>8,799</b>	<b>8,476</b>	<b>3,359</b>	<b>2,550</b>	<b>2,350</b>
Avocado	404	384	20	-	-	-
Banana	5,068	497	2,195	1,011	915	450
Breadfruit	685	542	108	35	-	-
Chestnut	326	178	42	106	-	-
Coconut	9,554	1,798	3,980	1,851	1,025	900
Coffee	10	-	10	-	-	-
Lemon	982	756	85	41	100	-
Mango	2,862	2,044	693	60	65	-
Nono	734	72	60	40	62	500
Orange	1,164	386	208	70	-	500
Pawpaw - Solo	605	187	284	84	50	-
Other Tree Crops	3,140	1,955	791	61	333	-
<b>VEGETABLE CROPS</b>	<b>1,033</b>	<b>128</b>	<b>325</b>	<b>80</b>	<b>250</b>	<b>250</b>
Bean	-	-	-	-	-	-
Cabbage - European	-	-	-	-	-	-
Capsicum	26	6	20	-	-	-
Chilli	227	57	20	-	50	100
Lettuce	-	-	-	-	-	-
Melon	-	-	-	-	-	-
Pineapple	53	3	-	-	50	-
Tomato	20	-	20	-	-	-
Other Vegetable Crops	707	62	265	80	150	150
<b>ROOT CROPS</b>	<b>748</b>	<b>23</b>	<b>217</b>	<b>203</b>	<b>205</b>	<b>100</b>
Cassava	1	1	-	-	-	-
Kumara	1	1	-	-	-	-
Puraka	139	3	78	58	-	-
Taro-Dry	20	-	20	-	-	-
Taro-Wet, Flooded	52	2	-	-	50	-
Taro-Wet, Raised	-	-	-	-	-	-
Tarua	310	11	99	145	55	-
Other Root Crops	225	5	20	-	100	100
<b>OTHER CROPS</b>	<b>949</b>	<b>188</b>	<b>299</b>	<b>162</b>	<b>-</b>	<b>300</b>

Table 3.19 Number of Separate Plantings of Crops Currently Grown by Minor Agricultural Households, by Type of Crop and by Island

Type of Crop	Cook Islands	Location of Parcel											
		Rarotonga	Aitutaki	Mangata	Atiu	Mauke	Mitiaro	Palmerston	Fukapuka	Nassau	Manihiki	Rakahanga	Penthy
<b>COOK ISLANDS</b>	3,098	2,387	102	7	8	-	-	63	58	11	241	24	197
<b>TREE CROPS</b>	2,833	2,258	79	1	-	-	-	46	31	9	214	20	175
Avocado	149	148	1	-	-	-	-	-	-	-	-	-	-
Banana	409	294	12	1	-	-	-	8	9	3	37	10	35
Breadfruit	181	114	9	-	-	-	-	7	1	2	27	4	17
Chestnut	15	12	3	-	-	-	-	-	-	-	-	-	-
Coconut	669	505	22	-	-	-	-	11	9	3	73	-	46
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	215	200	6	-	-	-	-	1	1	-	4	-	3
Mango	359	328	15	-	-	-	-	2	3	-	5	-	6
Nono	29	11	-	-	-	-	-	-	-	-	12	-	6
Orange	68	65	1	-	-	-	-	-	-	-	-	-	2
Pawpaw - Solo	81	67	2	-	-	-	-	1	6	-	-	2	3
Other Tree Crops	658	514	8	-	-	-	-	16	2	1	56	4	57
<b>VEGETABLE CROPS</b>	121	72	6	-	1	-	-	12	7	-	17	-	6
Bean	2	2	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	3	1	-	-	-	-	-	-	2	-	-	-	-
Capsicum	7	7	-	-	-	-	-	-	-	-	-	-	-
Chilli	10	1	1	-	-	-	-	4	2	-	1	-	1
Lettuce	4	2	-	-	-	-	-	1	-	-	1	-	-
Melon	3	1	-	-	-	-	-	-	-	-	2	-	-
Pineapple	-	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	15	4	1	-	-	-	-	6	-	-	4	-	-
Other Vegetable Crops	77	54	4	-	1	-	-	1	3	-	9	-	5
<b>ROOT CROPS</b>	114	34	13	6	5	-	-	5	19	2	10	4	16
Cassava	29	15	5	3	1	-	-	-	-	-	5	-	-
Kumara	14	5	4	-	2	-	-	1	-	-	1	-	1
Puraka	16	-	-	-	-	-	-	3	-	1	1	-	11
Taro-Dry	6	2	1	-	1	-	-	-	1	1	-	-	-
Taro-Wet, Flooded	7	-	-	-	-	-	-	1	-	-	2	-	4
Taro-Wet, Raised	30	2	2	3	-	-	-	-	18	-	1	4	-
Tarua	9	7	1	-	1	-	-	-	-	-	-	-	-
Other Root Crops	3	3	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER CROPS</b>	30	23	4	-	2	-	-	-	1	-	-	-	-

Table 3.20 Number of Crops/Plants Currently Grown by Minor Agricultural Households, by Type of Crop and by Island

Type of Crop	Cook Islands									Location of Parcel								
	Rarotonga	Aitutaki	Mangaia	Atiu	Mauke	Mitiaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penrhyn						
<b>COOK ISLANDS</b>	<b>35,315</b>	<b>13,050</b>	<b>4,779</b>	<b>6,200</b>	<b>1,010</b>	-	<b>906</b>	<b>2,236</b>	<b>745</b>	<b>2,915</b>	<b>625</b>	<b>2,849</b>						
<b>TREE CROPS</b>	<b>17,377</b>	<b>10,527</b>	<b>645</b>	<b>30</b>	-	-	<b>688</b>	<b>563</b>	<b>227</b>	<b>2,343</b>	<b>125</b>	<b>2,229</b>						
Avocado	252	245	7	-	-	-	-	-	-	-	-	-						
Banana	5,359	2,954	206	30	-	-	57	409	68	415	94	1,126						
Breadfruit	344	191	14	-	-	-	26	1	2	62	14	34						
Chestnut	26	22	4	-	-	-	-	-	-	-	-	-						
Coconut	6,297	3,721	304	-	-	-	471	82	155	1,216	-	348						
Coffee	-	-	-	-	-	-	-	-	-	-	-	-						
Lemon	539	499	28	-	-	-	1	2	-	5	-	4						
Mango	1,149	980	61	-	-	-	15	28	-	52	-	13						
Nono	104	37	-	-	-	-	-	-	-	28	-	39						
Orange	271	266	2	-	-	-	-	-	-	-	-	3						
Pawpaw - Solo	705	583	5	-	-	-	7	37	-	-	8	65						
Other Tree Crops	2,331	1,029	14	-	-	-	111	4	2	565	9	597						
<b>VEGETABLE CROPS</b>	<b>1,868</b>	<b>835</b>	<b>176</b>	<b>20</b>	<b>20</b>	<b>205</b>	<b>196</b>	<b>196</b>	<b>361</b>	<b>75</b>	<b>75</b>	<b>75</b>						
Bean	26	26	-	-	-	-	-	-	-	-	-	-						
Cabbage - European	60	20	-	-	-	-	-	40	-	-	-	-						
Capsicum	24	24	-	-	-	-	-	-	-	-	-	-						
Chilli	158	6	52	-	-	-	62	7	-	25	-	6						
Lettuce	74	34	-	-	-	-	20	-	-	20	-	-						
Melon	16	10	-	-	-	-	-	-	-	6	-	-						
Pineapple	-	-	-	-	-	-	-	-	-	-	-	-						
Tomato	278	45	62	-	-	-	118	-	-	53	-	-						
Other Vegetable Crops	1,232	670	62	-	-	-	5	149	-	257	-	69						
<b>ROOT CROPS</b>	<b>15,274</b>	<b>1,482</b>	<b>3,625</b>	<b>6,170</b>	<b>740</b>	<b>13</b>	<b>1,470</b>	<b>518</b>	<b>211</b>	<b>500</b>	<b>545</b>	<b>545</b>						
Cassava	3,664	620	1,805	1,070	160	-	-	-	9	-	-	-						
Kumara	800	110	560	-	120	-	2	-	1	-	-	7						
Puraka	378	-	-	-	-	-	10	-	18	1	-	349						
Taro-Dry	1,010	60	40	-	400	-	-	10	500	-	-	-						
Taro-Wet, Flooded	230	-	-	-	-	-	1	-	-	40	-	189						
Taro-Wet, Raised	8,385	65	1,100	5,100	-	-	-	1,460	-	160	500	-						
Tarua	297	117	120	-	60	-	-	-	-	-	-	-						
Other Root Crops	510	510	-	-	-	-	-	-	-	-	-	-						
<b>OTHER CROPS</b>	<b>796</b>	<b>206</b>	<b>333</b>	<b>250</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>						

Table 3.21 Single Crop Equivalent Area (In Acres) of Crops/Plants Currently Grown by Minor Agricultural Households, by Type of Crop and by Island

Type of Crop	Cook Islands	Location of Parcel											
		Rarotonga	Aitutaki	Mangala	Atiu	Mauke	Mitiaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penrhyn
<b>COOK ISLANDS</b>	210.3	136.0	10.0	0.5	0.1	-	-	11.9	3.3	3.7	32.0	0.6	12.2
<b>TREE CROPS</b>	208.0	135.5	9.4	0.0	-	-	-	11.8	3.2	3.6	31.9	0.6	12.0
Avocado	5.6	5.4	0.2	-	-	-	-	-	-	-	-	-	-
Banana	7.9	4.4	0.3	0.0	-	-	-	0.1	0.6	0.1	0.6	0.1	1.7
Breadfruit	8.6	4.8	0.4	-	-	-	-	0.7	0.0	0.1	1.6	0.4	0.9
Chestnut	0.7	0.6	0.1	-	-	-	-	-	-	-	-	-	-
Coconut	139.9	82.7	6.8	-	-	-	-	10.5	1.8	3.4	27.0	-	7.7
Coffee	-	-	-	-	-	-	-	-	-	-	-	-	-
Lemon	4.0	3.7	0.2	-	-	-	-	0.0	0.0	-	0.0	-	0.0
Mango	25.5	21.8	1.4	-	-	-	-	0.3	0.6	-	1.2	-	0.3
Nono	0.5	0.2	-	-	-	-	-	-	-	-	0.1	-	0.2
Orange	2.0	2.0	0.0	-	-	-	-	-	-	-	-	-	0.0
Pawpaw - Solo	1.0	0.9	0.0	-	-	-	-	0.0	0.1	-	-	0.0	0.1
Other Tree Crops	12.1	9.2	0.2	-	-	-	-	0.2	0.0	0.0	1.4	0.1	1.1
<b>VEGETABLE CROPS</b>	0.6	0.3	0.1	-	0.0	-	-	0.1	0.1	-	0.1	-	0.0
Bean	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-
Cabbage - European	0.0	0.0	-	-	-	-	-	-	0.0	-	-	-	-
Capsicum	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-
Chilli	0.2	0.0	0.1	-	-	-	-	0.1	0.0	-	0.0	-	0.0
Lettuce	0.0	0.0	-	-	-	-	-	0.0	-	-	0.0	-	-
Melon	0.0	0.0	-	-	-	-	-	-	-	-	0.0	-	-
Pineapple	-	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	0.0	0.0	0.0	-	-	-	-	0.0	-	-	0.0	-	-
Other Vegetable Crops	0.4	0.2	0.0	-	0.0	-	-	0.0	0.0	-	0.0	-	0.0
<b>ROOT CROPS</b>	1.4	0.1	0.3	0.4	0.1	-	-	0.0	0.1	0.1	0.0	0.0	0.2
Cassava	0.4	0.1	0.2	0.1	0.0	-	-	-	-	-	0.0	-	-
Kumara	0.0	0.0	0.0	-	0.0	-	-	0.0	-	-	0.0	-	0.0
Puraka	0.2	-	-	-	-	-	-	0.0	-	0.0	0.0	-	0.2
Taro-Dry	0.1	0.0	0.0	-	0.1	-	-	-	0.0	0.1	-	-	-
Taro-Wet, Flooded	0.0	-	-	-	-	-	-	0.0	-	-	0.0	-	0.0
Taro-Wet, Raised	0.5	0.0	0.1	0.3	-	-	-	-	0.1	-	0.0	0.0	-
Taru	0.1	0.0	0.0	-	0.0	-	-	-	-	-	-	-	-
Other Root Crops	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-
<b>OTHER CROPS</b>	0.3	0.1	0.2	-	0.0	-	-	-	0.0	-	-	-	-

Due to rounding, areas of less than 0.01 are depicted with "0.0".

**Table 3.22a Number and Area of Crops Planted by Minor Agricultural Households, by Type of Crop**

Type of Crop	Number of Crops/Plants	Area of Crop Currently Growing	
		Square Metres	Acres
<b>COOK ISLANDS</b>	<b>35,315</b>	<b>802,008.6</b>	<b>199.1</b>
<b>TREE CROPS</b>	<b>17,377</b>	<b>795,436.1</b>	<b>197.5</b>
Avocado	252	22,551.2	5.6
Banana	5,359	31,971.4	7.9
Breadfruit	344	34,632.2	8.6
Chestnut	26	2,617.6	0.7
Coconut	6,297	563,511.5	139.9
Coffee	-	-	-
Lemon	539	16,078.2	4.0
Mango	1,149	102,822.7	25.5
Nono	104	2,073.3	0.5
Orange	271	8,083.8	2.0
Pawpaw - Solo	705	4,212.2	1.0
Other Tree Crops	2,331	6,881.9	1.7
<b>VEGETABLE CROPS</b>	<b>1,868</b>	<b>868.2</b>	<b>0.2</b>
Bean	26	6.2	0.0
Cabbage - European	60	14.9	0.0
Capsicum	24	1.4	0.0
Chilli	158	628.7	0.2
Lettuce	74	17.7	0.0
Melon	16	23.9	0.0
Pineapple	-	-	-
Tomato	278	166.0	0.0
Other Vegetable Crops	1,232	9.4	0.0
<b>ROOT CROPS</b>	<b>15,274</b>	<b>5,553.1</b>	<b>1.4</b>
Cassava	3,664	1,458.3	0.4
Kumara	800	199.0	0.0
Puraka	378	846.1	0.2
Taro-Dry	1,010	603.0	0.1
Taro-Wet, Flooded	230	57.2	0.0
Taro-Wet, Raised	8,385	2,085.9	0.5
Taruua	297	206.9	0.1
Other Root Crops	510	96.7	0.0
<b>OTHER CROPS</b>	<b>796</b>	<b>151.2</b>	<b>0.0</b>

Due to rounding, areas of less than 0.01 are depicted with "0.0".

**Table 3.22b Number and Area of Crops Planted by Minor Agricultural Households in the 12 Months Preceding the Census and Already Harvested, by Type of Crop**

Type of Crop	Number of Crops/Plants	Area of Crop Harvested	
		Square Metres	Acres
<b>COOK ISLANDS</b>	<b>1,636</b>	<b>825</b>	<b>0</b>
<b>TREE CROPS</b>	<b>n.a</b>	<b>n.a</b>	<b>n.a</b>
Avocado			
Banana			
Breadfruit			
Chestnut			
Coconut			
Coffee			
Lemon			
Mango			
Nono			
Orange			
Pawpaw - Solo			
Other Tree Crops			
<b>VEGETABLE CROPS</b>	<b>460</b>	<b>76.7</b>	<b>0.0</b>
Bean	10	2.4	0.0
Cabbage - European			
Capsicum	24	1.4	0.0
Chilli	6	23.9	0.0
Lettuce			
Melon	20	29.9	0.0
Pineapple			
Tomato	24	14.3	0.0
Other Vegetable Crops	376	4.9	0.0
<b>ROOT CROPS</b>	<b>934</b>	<b>714.7</b>	<b>0.2</b>
Cassava	-	-	-
Kumara	31	7.7	0.0
Puraka	18	40.3	0.0
Taro-Dry	815	486.6	0.1
Taro-Wet, Flooded	-	-	-
Taro-Wet, Raised	-	-	-
Taruua	30	20.9	0.0
Other Root Crops	40	159.2	0.0
<b>OTHER CROPS</b>	<b>242</b>	<b>33.1</b>	<b>0.0</b>

Due to rounding, areas of less than 0.01 are depicted with "0.0".

Table 3.23 Total Area (in Acres) Harvested of Crops Planted in the Parcels in the 12 Months Preceding the Census and Already Harvested, by Type of Crop and Proportion Sold

Type of Crop	Total Area Harvested	Proportion Sold						
		None	About 1/4	About 1/3	About 1/2	About 3/4	All	Not Stated
<b>COOK ISLANDS</b>	<b>61.2</b>	<b>10.6</b>	<b>5.7</b>	<b>3.8</b>	<b>6.5</b>	<b>9.8</b>	<b>24.3</b>	<b>0.5</b>
<b>TREE CROPS</b>								
Avocado	-	-	-	-	-	-	-	-
Banana	-	-	-	-	-	-	-	-
Breadfruit	-	-	-	-	-	-	-	-
Chestnut	-	-	-	-	-	-	-	-
Coconut	-	-	-	-	-	-	-	-
Coffee	-	-	-	-	-	-	-	-
Lemon	-	-	-	-	-	-	-	-
Mango	-	-	-	-	-	-	-	-
Nono	-	-	-	-	-	-	-	-
Orange	-	-	-	-	-	-	-	-
Pawpaw - Solo	-	-	-	-	-	-	-	-
Other Tree Crops	-	-	-	-	-	-	-	-
<b>VEGETABLE CROPS</b>	<b>34.5</b>	<b>2.2</b>	<b>2.3</b>	<b>0.8</b>	<b>2.0</b>	<b>7.6</b>	<b>19.6</b>	<b>-</b>
Bean	0.7	0.2	0.0	-	0.1	0.2	0.3	-
Cabbage - European	2.6	0.1	0.0	-	0.1	0.1	2.3	-
Capsicum	0.1	0.0	0.0	0.0	0.0	0.0	0.1	-
Chilli	0.1	-	-	-	-	-	0.1	-
Lettuce	1.0	0.1	0.0	0.1	0.1	0.2	0.6	-
Melon	15.3	0.8	1.0	0.4	1.0	5.3	6.7	-
Pineapple	0.8	0.0	0.0	0.0	0.0	0.2	0.5	-
Tomato	7.0	0.5	0.2	0.2	0.4	0.6	5.1	-
Other Vegetable Crops	7.0	0.6	1.1	0.1	0.2	1.0	4.0	-
<b>ROOT CROPS</b>	<b>24.3</b>	<b>8.4</b>	<b>3.4</b>	<b>1.7</b>	<b>4.0</b>	<b>2.2</b>	<b>4.0</b>	<b>0.5</b>
Cassava	5.0	2.1	0.7	0.2	0.9	0.2	1.0	0.1
Kumara	2.5	0.7	0.5	0.1	0.2	0.5	0.5	0.0
Puraka	0.1	0.1	-	-	-	-	-	-
Taro-Dry	1.2	0.3	-	-	0.3	0.1	0.4	-
Taro-Wet, Flooded	4.8	1.7	0.4	0.3	1.1	0.9	-	0.5
Taro-Wet, Raised	7.3	2.0	1.3	1.1	1.1	0.5	1.3	-
Tarua	2.1	0.9	0.5	0.1	0.1	0.0	0.4	-
Other Root Crops	1.4	0.6	-	0.0	0.4	-	0.3	-
<b>OTHER CROPS</b>	<b>2</b>	<b>0.0</b>	<b>-</b>	<b>1.3</b>	<b>0.5</b>	<b>0.0</b>	<b>0.7</b>	<b>-</b>

Due to rounding, areas of less than 0.01 are depicted with "0.0".

**Table 3.24 Total Plants Harvested of Crops Planted in the Parcels in the 12 Months Preceding the Census and Already Harvested, by Type of Crop and Proportion Sold**

Type of Crop	Total Plants Harvested	Proportion Sold						All	Not Stated
		None	About 1/4	About 1/3	About 1/2	About 3/4			
<b>COOK ISLANDS</b>	<b>578,391</b>	<b>117,718</b>	<b>56,871</b>	<b>34,658</b>	<b>70,142</b>	<b>72,500</b>	<b>218,202</b>	<b>8,300</b>	
<b>TREE CROPS</b>									
Avocado	-	-	-	-	-	-	-	-	
Banana	-	-	-	-	-	-	-	-	
Breadfruit	-	-	-	-	-	-	-	-	
Chestnut	-	-	-	-	-	-	-	-	
Coconut	-	-	-	-	-	-	-	-	
Coffee	-	-	-	-	-	-	-	-	
Lemon	-	-	-	-	-	-	-	-	
Mango	-	-	-	-	-	-	-	-	
Nono	-	-	-	-	-	-	-	-	
Orange	-	-	-	-	-	-	-	-	
Pawpaw - Solo	-	-	-	-	-	-	-	-	
Other Tree Crops	-	-	-	-	-	-	-	-	
<b>VEGETABLE CROPS</b>	<b>253,495</b>	<b>16,445</b>	<b>11,330</b>	<b>5,400</b>	<b>13,062</b>	<b>39,070</b>	<b>168,188</b>	<b>-</b>	
Bean	11,728	2,552	50	-	1,146	3,600	4,380	-	
Cabbage - European	41,404	848	240	-	1,700	1,500	37,116	-	
Capsicum	7,732	150	360	400	656	50	6,116	-	
Chilli	60	-	-	-	-	-	60	-	
Lettuce	17,397	910	630	1,050	1,838	2,790	10,179	-	
Melon	41,292	2,250	2,640	1,200	2,750	14,320	18,132	-	
Pineapple	19,719	1,075	150	100	530	4,560	13,304	-	
Tomato	46,968	3,310	1,240	1,450	2,620	3,790	34,558	-	
Other Vegetable Crops	67,195	5,350	6,020	1,200	1,822	8,460	44,343	-	
<b>ROOT CROPS</b>	<b>310,830</b>	<b>101,103</b>	<b>45,541</b>	<b>26,208</b>	<b>50,080</b>	<b>33,280</b>	<b>46,318</b>	<b>8,300</b>	
Cassava	50,863	21,275	6,800	1,600	8,710	2,120	9,758	600	
Kumara	39,844	11,350	8,394	1,200	3,500	7,600	7,600	200	
Puraka	135	135	-	-	-	-	-	-	
Taro-Dry	7,800	2,000	-	-	1,800	1,000	3,000	-	
Taro-Wet, Flooded	77,435	27,962	6,113	4,200	17,160	14,500	-	7,500	
Taro-Wet, Raised	118,938	32,756	21,234	18,108	17,820	7,900	21,120	-	
Tarua	11,855	4,975	3,000	500	690	160	2,530	-	
Other Root Crops	3,960	650	-	600	400	-	2,310	-	
<b>OTHER CROPS</b>	<b>14,066</b>	<b>170</b>	<b>-</b>	<b>3,050</b>	<b>7,000</b>	<b>150</b>	<b>3,696</b>	<b>-</b>	

Table 3.25 Number and Area of Plots Fallow/Waiting to be Planted or Used for Other Purposes, by Island

Island	Total		Fallow		Bush		Used for Livestock	
	Number of Plots	Area in Acres	Number of Plots	Area in Acres	Number of Plots	Area in Acres	Number of Plots	Area in Acres
<b>COOK ISLANDS</b>	<b>1,820</b>	<b>795.0</b>	<b>1,642</b>	<b>402.1</b>	<b>177</b>	<b>390.0</b>	<b>1</b>	<b>3.0</b>
Rarotonga	869	191.4	869	191.4	-	-	-	-
Atitutaki	589	542.6	411	149.6	177	390.0	1	3.0
Mangaia	118	30.4	118	30.4	-	-	-	-
Atiu	83	9.3	83	9.3	-	-	-	-
Mauke	82	11.4	82	11.4	-	-	-	-
Mitiaro	62	8.5	62	8.5	-	-	-	-
Palmerston	16	-	-	-	-	-	-	-
Pukapuka	1	0.9	16	0.9	-	-	-	-
Nassau	-	0.5	1	0.5	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-

Table 3.26 Summary of Single Crop Equivalent Area (In Acres), by Type of Crop and Method of Planting

Type of Crop	Type of Crops Growing at the Time of the Census					Crops Planted & Harvested in the 12 Months Preceding the Census		
	Total	Single/Mixed Crops in the Parcel	Scattered Crops in the Parcel	Scattered Crops Outside the Parcel	Crops by Minor Agricultural Households	Total	In Parcels	By Minor Agricultural Households
<b>COOK ISLANDS</b>	<b>2,029.2</b>	<b>1,406.2</b>	<b>62.2</b>	<b>361.7</b>	<b>199.1</b>	<b>59.0</b>	<b>58.8</b>	<b>0.2</b>
<b>TREE CROPS</b>	<b>880.2</b>	<b>260.9</b>	<b>60.8</b>	<b>361.0</b>	<b>197.5</b>	-	-	-
Avocado	16.7	0.1	2.0	9.0	5.6	-	-	-
Banana	87.5	70.3	1.8	7.5	7.9	-	-	-
Breadfruit	26.5	0.1	0.7	17.1	8.6	-	-	-
Chestnut	10.3	-	1.5	8.2	0.7	-	-	-
Coconut	397.2	4.2	40.4	212.7	139.9	-	-	-
Coffee	0.2	0.1	-	0.0	-	-	-	-
Lemon	18.1	4.9	1.9	7.3	4.0	-	-	-
Mango	97.1	-	7.9	63.6	25.5	-	-	-
Nono	58.7	54.3	0.2	3.6	0.5	-	-	-
Orange	59.1	47.7	0.8	8.6	2.0	-	-	-
Pawpaw - Solo	47.2	43.5	1.8	0.9	1.0	-	-	-
Other Tree Crops	61.6	35.7	1.8	22.4	1.7	-	-	-
<b>VEGETABLE CROPS</b>	<b>71.3</b>	<b>69.6</b>	<b>0.9</b>	<b>0.6</b>	<b>0.2</b>	<b>34.5</b>	<b>34.5</b>	<b>0.0</b>
Bean	1.4	1.4	-	-	0.0	0.7	0.7	0.0
Cabbage - European	2.0	2.0	-	-	0.0	2.6	2.6	-
Capsicum	3.2	3.2	-	0.0	0.0	0.1	0.1	0.0
Chilli	0.5	0.2	-	0.2	0.2	0.1	0.1	0.0
Lettuce	2.0	2.0	-	-	0.0	1.0	1.0	-
Melon	31.9	31.8	-	0.0	0.0	15.3	15.3	0.0
Pineapple	4.5	4.5	-	0.0	-	0.8	0.8	-
Tomato	10.2	9.9	0.3	0.0	0.0	7.0	7.0	0.0
Other Vegetable Crops	15.5	14.6	0.6	0.3	0.0	7.0	7.0	0.0
<b>ROOT CROPS</b>	<b>269.9</b>	<b>268.2</b>	<b>0.2</b>	<b>0.2</b>	<b>1.4</b>	<b>24.5</b>	<b>24.3</b>	<b>0.2</b>
Cassava	66.2	65.8	0.1	0.0	0.4	5.0	5.0	-
Kumara	15.6	15.5	0.0	0.0	0.0	2.5	2.5	0.0
Puraka	1.9	1.6	0.0	0.1	0.2	0.1	0.1	0.0
Taro-Dry	8.3	8.2	-	0.0	0.1	1.3	1.2	0.1
Taro-Wet, Flooded	11.4	11.3	-	0.0	0.0	4.8	4.8	-
Taro-Wet, Raised	137.1	136.6	-	-	0.5	7.3	7.3	-
Taru	25.5	25.4	0.0	0.1	0.1	2.1	2.1	0.0
Other Root Crops	3.9	3.8	0.1	0.0	0.0	1.4	1.4	0.0
<b>OTHER CROPS</b>	<b>12.7</b>	<b>12.4</b>	<b>0.2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>NON-CROPS</b>	<b>795.1</b>	<b>795.1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Fallow/Waiting to be Planted	402.1	402.1	-	-	-	-	-	-
Bush/Livestock	393.0	393.0	-	-	-	-	-	-
Due to rounding, areas of less than 0.15 are depicted with "0.0".								

Table 3.27 Summary of Number of Plants/Trees, by Type of Crop and Method of Planting

Type of Crop	Type of Crops Growing at the Time of the Census					Crops Planted & Harvested in the 12 Months Preceding the Census		
	Total	Single/Mixed Crops in the Parcel	Scattered Crops in the Parcel	Scattered Crops Outside the Parcel	Crops Grown by Minor Agricultural Households	Total	In Parcels	By Minor Agricultural Households
<b>COOK ISLANDS</b>	<b>4,557,352</b>	<b>4,480,817</b>	<b>12,883</b>	<b>28,337</b>	<b>35,315</b>	<b>580,027</b>	<b>578,391</b>	<b>1,636</b>
<b>TREE CROPS</b>	<b>162,980</b>	<b>113,451</b>	<b>6,562</b>	<b>25,590</b>	<b>17,377</b>	-	-	-
Avocado	936	5	275	404	252	-	-	-
Banana	59,574	47,438	1,699	5,078	5,359	-	-	-
Breadfruit	1,031	2	-	685	344	-	-	-
Chestnut	809	-	457	326	26	-	-	-
Coconut	17,870	188	1,815	9,570	6,297	-	-	-
Coffee	60	50	-	10	-	-	-	-
Lemon	2,334	662	149	984	539	-	-	-
Mango	4,722	-	711	2,862	1,149	-	-	-
Nono	11,878	10,970	70	734	104	-	-	-
Orange	8,225	6,448	342	1,164	271	-	-	-
Pawpaw - Solo	30,647	29,284	28	630	705	-	-	-
Other Tree Crops	24,893	18,404	1,015	3,143	2,331	-	-	-
<b>VEGETABLE CROPS</b>	<b>767,590</b>	<b>759,786</b>	<b>4,900</b>	<b>1,036</b>	<b>1,868</b>	<b>253,955</b>	<b>253,495</b>	<b>460</b>
Bean	23,171	23,145	-	-	26	11,738	11,728	10
Cabbage - European	32,025	31,965	-	-	60	41,404	41,404	-
Capsicum	217,799	217,749	-	26	24	7,756	7,732	24
Chilli	546	161	-	227	158	66	60	6
Lettuce	34,350	34,276	-	-	74	17,397	17,397	-
Melon	85,944	85,925	-	3	16	41,312	41,292	20
Pineapple	113,801	113,748	-	53	-	19,719	19,719	-
Tomato	68,933	66,635	2,000	20	278	46,992	46,968	24
Other Vegetable Crops	191,021	186,182	2,900	707	1,232	67,571	67,195	376
<b>ROOT CROPS</b>	<b>3,544,053</b>	<b>3,526,689</b>	<b>1,342</b>	<b>748</b>	<b>15,274</b>	<b>311,764</b>	<b>310,830</b>	<b>934</b>
Cassava	670,118	665,453	1,000	1	3,664	50,863	50,863	-
Kumara	252,538	251,557	180	1	800	39,875	39,844	31
Puraka	3,360	2,829	14	139	378	153	135	18
Taro-Dry	56,226	55,196	-	20	1,010	8,615	7,800	815
Taro-Wet, Flooded	183,801	183,519	-	52	230	77,435	77,435	-
Taro-Wet, Raised	2,219,408	2,211,023	-	-	8,385	118,938	118,938	-
Tarua	147,348	146,713	28	310	297	11,885	11,855	30
Other Root Crops	11,254	10,399	120	225	510	4,000	3,960	40

## TABLE SET 4: LIVESTOCK DETAILS

### LIVESTOCK

Table 4.1	- Number of Households Keeping and Not Keeping Livestock, by Location of Household
Table 4.2	- Number of Households Keeping Livestock by Level of Agricultural Activity and Location of Household
Table 4.3	- Number of Households Keeping Livestock, by Type of Livestock and Location of Household
Table 4.4	- Number of Livestock, by Type of Livestock and Location of Household
Table 4.5	- Number of Households Keeping Cattle, by Size of Cattle Holding and Location of Household
Table 4.6	- Number of Cattle, by Size of Cattle Holding and Location of Household
Table 4.7	- Number of Households Keeping Horses, by Size of Horse Holding and Location of Household
Table 4.8	- Number of Horses, by Size of Horse Holding and Location of Household
Table 4.9	- Number of Households Keeping Goats, by Size of Goat Holding and Location of Household
Table 4.10	- Number of Goats, by Size of Goat Holding and Location of Household
Table 4.11	- Number of Households Keeping Pigs, by Size of Pig Holding and Location of Household
Table 4.12	- Number of Pigs, by Size of Pig Holding and Location of Household
Table 4.13	- Number of Households Keeping Chickens, by Size of Chicken Holding and Location of Household
Table 4.14	- Number of Chickens, by Size of Chicken Holding and Location of Household

### DISPOSAL OF LIVESTOCK

Table 4.15	- Number of Households Disposing Livestock, by Type of Livestock and Location of Household
Table 4.16	- Number of Disposed Livestock, by Nature of Disposal, Type of Livestock and by Region
Table 4.17	- Number of Sold (Slaughtered or Live) Livestock and Sales Revenue, Type of Livestock and by Region

**Table 4.1 Number of Households Keeping and Not Keeping Livestock of Any Type by Location of Household**

Location of Household	Total Number of Households	Households Keeping Livestock	Households Not Keeping Livestock
<b>RAROTONGA</b>	<b>1,271</b>	<b>698</b>	<b>573</b>
Kiikii-Ooa-Pue	114	59	55
Tupapa-Maraerenga	38	23	15
Takuvaine	62	50	12
Tutakimoo-Teotue	17	15	2
Avatiu-Ruatonga-Panama	110	87	23
Nikao-Panama	189	53	137
Ruaau-Arerenga-Arorangi	197	123	74
Akooa-Betela-Arorangi	46	41	5
Murienua-Arorangi	111	41	70
Titikaveka	234	84	150
Ngatangilia	59	37	22
Matavera	93	85	8
<b>OTHER SOUTHERN ISLANDS</b>	<b>798</b>	<b>690</b>	<b>108</b>
Aitutaki	420	327	93
Mangaia	141	138	3
Atiu	111	106	5
Mauke	81	76	5
Mitiaro	45	43	2
<b>NORTHERN ISLANDS</b>	<b>265</b>	<b>207</b>	<b>58</b>
Palmerston	14	7	7
Pukapuka	97	82	15
Nassau	13	9	4
Manihiki	78	69	9
Rakahanga	13	13	-
Penrhyn	50	27	23
<b>COOK ISLANDS</b>	<b>2,334</b>	<b>1,595</b>	<b>739</b>

Table 4.2 Number of Households Keeping Livestock, by Level of Agricultural Activity and Location of Household

Location of Household	Total Number of Households	Level of Agricultural activity				Agriculturally Active
		Non Agricultural	Minor Agricultural	Subsistence Only	Agricultural production primarily for sale	
<b>RAROTONGA</b>	<b>698</b>	<b>38</b>	<b>236</b>	<b>255</b>	<b>169</b>	<b>424</b>
Kiikii-Ooa-Pue	59	7	29	10	13	23
Tupapa-Maraerenga	23	-	8	10	5	15
Takuvaine	50	2	14	28	6	34
Tutakimooa-Teotue	15	-	8	3	4	7
Avatiu-Ruatonga-Panama	87	8	42	31	6	37
Nikao-Panama	53	-	27	14	12	26
Ruaau-Arerenga-Arorangi	123	10	27	74	12	86
Akooa-Betela-Arorangi	41	-	28	8	5	13
Murienua-Arorangi	41	-	11	9	21	30
Titikaveka	84	2	20	22	40	62
Ngatangia	37	2	4	11	20	31
Matavera	85	7	18	35	25	60
<b>OTHER SOUTHERN ISLANDS</b>	<b>690</b>	<b>96</b>	<b>31</b>	<b>399</b>	<b>164</b>	<b>563</b>
Aitutaki	327	27	16	218	66	284
Mangaia	138	27	4	74	33	107
Atiu	106	16	9	44	37	81
Mauke	76	21	1	37	17	54
Mitiaro	43	5	1	26	11	37
<b>NORTHERN ISLANDS</b>	<b>207</b>	<b>14</b>	<b>119</b>	<b>74</b>	<b>-</b>	<b>74</b>
Palmerston	7	-	7	-	-	-
Pukapuka	82	11	16	55	-	55
Nassau	9	-	-	9	-	9
Manihiki	69	2	66	1	-	1
Rakahanga	13	1	4	8	-	8
Penrhyn	27	-	26	1	-	1
<b>COOK ISLANDS</b>	<b>1,595</b>	<b>148</b>	<b>386</b>	<b>728</b>	<b>333</b>	<b>1,061</b>

**Table 4.3 Number of Households Keeping Livestock, by Type of Livestock and Location of Household**

Location of Household	Number of Households Keeping Livestock	Type of Livestock Kept									
		Cattle	Cow	Horse	Mare	Goat	Doe	Pig	Sow	Chicken	Duck
<b>RAROTONGA</b>	<b>698</b>	<b>44</b>	<b>39</b>	<b>2</b>	<b>1</b>	<b>223</b>	<b>177</b>	<b>622</b>	<b>563</b>	<b>83</b>	<b>9</b>
Kiikii-Ooa-Pue	59	2	2	-	-	12	6	48	42	10	1
Tupapa-Maraerenga	23	-	-	-	-	7	2	18	16	2	-
Takuvaine	50	1	1	-	-	11	11	47	43	5	1
Tutakimooa-Teotue	15	1	1	-	-	3	2	12	11	-	-
Avatiu-Ruatonga-Panama	87	6	6	-	-	16	11	76	65	13	1
Nikao-Panama	53	1	1	-	-	12	7	50	47	2	-
Ruaau-Arerenga-Arorangi	123	10	7	-	-	49	46	116	108	2	1
Akaoo-Betela-Arorangi	41	5	5	1	1	15	14	37	35	9	1
Murienua-Arorangi	41	6	6	-	-	16	13	37	35	-	-
Titikaveka	84	5	5	1	-	36	33	70	68	27	2
Ngatangia	37	4	3	-	-	15	13	34	28	5	2
Matavera	85	3	2	-	-	31	19	77	65	8	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>690</b>	<b>19</b>	<b>16</b>	<b>4</b>	<b>3</b>	<b>358</b>	<b>270</b>	<b>559</b>	<b>492</b>	<b>497</b>	<b>7</b>
Aitutaki	327	-	-	-	-	160	108	248	205	305	4
Mangaia	138	1	1	3	3	85	77	116	100	43	3
Atiu	106	2	2	1	-	49	46	91	87	67	-
Mauke	76	16	13	-	-	44	33	63	60	54	-
Mitiaro	43	-	-	-	-	20	6	41	40	28	-
<b>NORTHERN ISLANDS</b>	<b>207</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>173</b>	<b>104</b>	<b>114</b>	<b>-</b>
Palmerston	7	-	-	-	-	-	-	3	3	4	-
Pukapuka	82	-	-	-	-	-	-	70	27	70	-
Nassau	9	-	-	-	-	-	-	8	3	9	-
Manihiki	69	-	-	-	-	-	-	55	42	19	-
Rakahanga	13	-	-	-	-	-	-	12	9	10	-
Penrhyn	27	-	-	-	-	-	-	25	20	2	-
<b>COOK ISLANDS</b>	<b>1,595</b>	<b>63</b>	<b>55</b>	<b>6</b>	<b>4</b>	<b>581</b>	<b>447</b>	<b>1,354</b>	<b>1,159</b>	<b>694</b>	<b>16</b>

**Table 4.4 Number of Livestock, by Type of Livestock and Location of Household**

Location of Household	Type of Livestock Kept									
	Cattle	Cow	Horse	Mare	Goat	Doe	Pig	Sow	Chicken	Duck
<b>RAROTONGA</b>	<b>185</b>	<b>103</b>	<b>4</b>	<b>1</b>	<b>1,211</b>	<b>551</b>	<b>5,219</b>	<b>1,187</b>	<b>12,549</b>	<b>193</b>
Kiikii-Ooa-Pue	8	5	-	-	63	18	366	75	717	9
Tupapa-Maraerenga	-	-	-	-	25	2	203	35	122	-
Takuvaine	3	2	-	-	47	21	256	64	138	1
Tutakimooa-Teotue	2	2	-	-	8	3	68	23	-	-
Avatiu-Ruatonga-Panama	37	23	-	-	56	22	591	142	760	6
Nikao-Panama	24	4	-	-	42	17	441	92	100	-
Ruaau-Arerenga-Arorangi	32	16	-	-	273	120	824	213	60	40
Akooa-Betela-Arorangi	16	10	3	1	125	75	300	96	178	1
Murienua-Arorangi	22	11	-	-	104	40	271	63	-	-
Titikaveka	9	7	1	-	245	121	803	160	1,575	65
Ngatangia	17	11	-	-	124	70	350	86	8,077	71
Matavera	15	12	-	-	99	42	746	138	822	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>55</b>	<b>27</b>	<b>9</b>	<b>5</b>	<b>3,177</b>	<b>1,235</b>	<b>6,739</b>	<b>1,396</b>	<b>18,421</b>	<b>98</b>
Aitutaki	-	-	-	-	675	214	1,889	349	9,000	57
Mangaia	2	1	8	5	1,179	434	1,782	329	2,782	41
Atiu	11	4	1	-	790	366	1,512	349	2,611	-
Mauke	42	22	-	-	434	206	1,013	276	2,711	-
Mitiaro	-	-	-	-	99	15	543	93	1,317	-
<b>NORTHERN ISLANDS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,993</b>	<b>301</b>	<b>3,457</b>	<b>-</b>
Palmerston	-	-	-	-	-	-	7	3	150	-
Pukapuka	-	-	-	-	-	-	586	59	2,077	-
Nassau	-	-	-	-	-	-	59	10	351	-
Manihiki	-	-	-	-	-	-	886	133	490	-
Rakahanga	-	-	-	-	-	-	182	36	354	-
Penrhyn	-	-	-	-	-	-	273	60	35	-
<b>COOK ISLANDS</b>	<b>240</b>	<b>130</b>	<b>13</b>	<b>6</b>	<b>4,388</b>	<b>1,786</b>	<b>13,951</b>	<b>2,884</b>	<b>34,427</b>	<b>291</b>

**Table 4.5 Number of Households Keeping Cattle, by Size of Cattle Holding and Location of Household**

Location of Household	Number of Households Keeping Cattle	Size of Cattle Holding				
		1	2	3	4	5 and Over
<b>RAROTONGA</b>	<b>44</b>	<b>11</b>	<b>9</b>	<b>8</b>	<b>3</b>	<b>13</b>
Kiikii-Ooa-Pue	2	-	1	-	-	1
Tupapa-Maraerenga	-	-	-	-	-	-
Takuvaine	1	-	-	1	-	-
Tutakimooa-Teotue	1	-	1	-	-	-
Avatiu-Ruatonga-Panama	6	-	2	1	-	3
Nikao-Panama	1	-	-	-	-	1
Ruaau-Arerenga-Arorangi	10	3	1	2	2	2
Akooa-Betela-Arorangi	5	-	2	2	-	1
Murienua-Arorangi	6	1	1	2	-	2
Titikaveka	5	3	1	-	1	-
Ngatangia	4	2	-	-	-	2
Matavera	3	2	-	-	-	1
<b>OTHER SOUTHERN ISLANDS</b>	<b>19</b>	<b>5</b>	<b>8</b>	<b>-</b>	<b>3</b>	<b>3</b>
Aitutaki	-	-	-	-	-	-
Mangaia	1	-	1	-	-	-
Atiu	2	1	-	-	-	1
Mauke	16	4	7	-	3	2
Mitiaro	-	-	-	-	-	-
<b>NORTHERN ISLANDS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Palmerston	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>63</b>	<b>16</b>	<b>17</b>	<b>8</b>	<b>6</b>	<b>16</b>

Table 4.6 Number of Cattle, by Size of Cattle Holding and Location of Household

Location of Household	Total Number of Cattle	Size of Cattle Holding				
		1	2	3	4	5 and Over
<b>RAROTONGA</b>	<b>185</b>	<b>11</b>	<b>18</b>	<b>24</b>	<b>12</b>	<b>120</b>
Kiikii-Ooa-Pue	8	-	2	-	-	6
Tupapa-Maraerenga	-	-	-	-	-	-
Takuvaine	3	-	-	3	-	-
Tutakimooa-Teotue	2	-	2	-	-	-
Avatiu-Ruatonga-Panama	37	-	4	3	-	30
Nikao-Panama	24	-	-	-	-	24
Ruaau-Arerenga-Arorangi	32	3	2	6	8	13
Akaoo-Betela-Arorangi	16	-	4	6	-	6
Murienua-Arorangi	22	1	2	6	-	13
Titikaveka	9	3	2	-	4	-
Ngatangijia	17	2	-	-	-	15
Matavera	15	2	-	-	-	13
<b>OTHER SOUTHERN ISLANDS</b>	<b>55</b>	<b>5</b>	<b>16</b>	<b>-</b>	<b>12</b>	<b>22</b>
Aitutaki	-	-	-	-	-	-
Mangaia	2	-	2	-	-	-
Atiu	11	1	-	-	-	10
Mauke	42	4	14	-	12	12
Mitiaro	-	-	-	-	-	-
<b>NORTHERN ISLANDS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Palmerston	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>240</b>	<b>16</b>	<b>34</b>	<b>24</b>	<b>24</b>	<b>142</b>

Table 4.7 Number of Households Keeping Horses, by Size of Horse Holding and Location of Household

Location of Household	Number of Households Keeping Horses	Size of Horse Holding				
		1	2	3	4	5 and Over
<b>RAROTONGA</b>	<b>2</b>	<b>1</b>	-	<b>1</b>	-	-
Kiikii-Ooa-Pue	-	-	-	-	-	
Tupapa-Maraerenga	-	-	-	-	-	
Takuvaine	-	-	-	-	-	
Tutakimoo-Teotue	-	-	-	-	-	
Avatiu-Ruatonga-Panama	-	-	-	-	-	
Nikao-Panama	-	-	-	-	-	
Ruaau-Arerenga-Arorangi	-	-	-	-	-	
Akooa-Betela-Arorangi	<b>1</b>	-	-	<b>1</b>	-	
Murienua-Arorangi	-	-	-	-	-	
Titikaveka	<b>1</b>	<b>1</b>	-	-	-	
Ngatangia	-	-	-	-	-	
Matavera	-	-	-	-	-	
<b>OTHER SOUTHERN ISLANDS</b>	<b>4</b>	<b>3</b>	-	-	<b>1</b>	
Aitutaki	-	-	-	-	-	
Mangaia	<b>3</b>	<b>2</b>	-	-	<b>1</b>	
Atiu	<b>1</b>	<b>1</b>	-	-	-	
Mauke	-	-	-	-	-	
Mitiaro	-	-	-	-	-	
<b>NORTHERN ISLANDS</b>	-	-	-	-	-	
Palmerston	-	-	-	-	-	
Pukapuka	-	-	-	-	-	
Nassau	-	-	-	-	-	
Manihiki	-	-	-	-	-	
Rakahanga	-	-	-	-	-	
Penrhyn	-	-	-	-	-	
<b>COOK ISLANDS</b>	<b>6</b>	<b>4</b>	-	<b>1</b>	<b>1</b>	

**Table 4.8 Number of Horses, by Size of Horse Holding and Location of Household**

Location of Household	Total Number of Horses	Size of Horse Holding				
		1	2	3	4	5 and Over
<b>RAROTONGA</b>						
Kiikii-Ooa-Pue	4	1	-	3	-	-
Tupapa-Maraerenga	-	-	-	-	-	-
Takuvaine	-	-	-	-	-	-
Tutakimoo-Teotue	-	-	-	-	-	-
Avatiu-Ruatonga-Panama	-	-	-	-	-	-
Nikao-Panama	-	-	-	-	-	-
Ruaau-Arerenga-Arorangi	-	-	-	-	-	-
Akooa-Betela-Arorangi	3	-	-	3	-	-
Murienua-Arorangi	-	-	-	-	-	-
Titikaveka	1	1	-	-	-	-
Ngatangia	-	-	-	-	-	-
Matavera	-	-	-	-	-	-
<b>OTHER SOUTHERN ISLANDS</b>						
Aitutaki	9	3	-	-	-	6
Mangaia	-	-	-	-	-	-
Atiu	8	2	-	-	-	6
Mauke	1	1	-	-	-	-
Mitiaro	-	-	-	-	-	-
<b>NORTHERN ISLANDS</b>						
Palmerston	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>13</b>	<b>4</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>6</b>

Table 4.9 Number of Households Keeping Goats, by Size of Goat Holding and Location of Household

Location of Household	Number of Households Keeping Goats	Size of Goat Holding					
		1-4	5-9	10-19	20-29	30-49	50 and Over
<b>RAROTONGA</b>	<b>223</b>	<b>142</b>	<b>45</b>	<b>29</b>	<b>4</b>	<b>3</b>	<b>-</b>
Kiikii-Ooa-Pue	12	7	2	3	-	-	-
Tupapa-Maraerenga	7	5	2	-	-	-	-
Takuvaine	11	7	4	-	-	-	-
Tutakimooa-Teotue	3	2	1	-	-	-	-
Avatiu-Ruatonga-Panama	16	14	1	1	-	-	-
Nikao-Panama	12	9	1	2	-	-	-
Ruaau-Arerenga-Arorangi	49	29	12	7	-	1	-
Akaoo-Betela-Arorangi	15	7	4	3	-	1	-
Murienua-Arorangi	16	9	4	1	2	-	-
Titikaveka	36	19	9	7	-	1	-
Ngatangijia	15	7	3	3	2	-	-
Matavera	31	27	2	2	-	-	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>358</b>	<b>203</b>	<b>71</b>	<b>46</b>	<b>11</b>	<b>14</b>	<b>13</b>
Aitutaki	160	115	29	12	3	1	-
Mangaia	85	30	17	21	2	9	6
Atiu	49	21	12	5	3	4	4
Mauke	44	24	9	5	3	-	3
Mitiaro	20	13	4	3	-	-	-
<b>NORTHERN ISLANDS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Palmerston	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>581</b>	<b>345</b>	<b>116</b>	<b>75</b>	<b>15</b>	<b>17</b>	<b>13</b>

Table 4.10 Number of Goats, by Size of Goat Holding and Location of Household

Location of Household	Total Number of Goats	Size of Goat Holding						
		1-4	5-9	10-19	20-29	30-49	50 and Over	
<b>RAROTONGA</b>	<b>1,211</b>	<b>403</b>	<b>223</b>	<b>388</b>	<b>95</b>	<b>102</b>	<b>-</b>	
Kiikii-Ooa-Pue	63	21	6	36	-	-	-	
Tupapa-Maraerenga	25	19	6	-	-	-	-	
Takuvaine	47	21	26	-	-	-	-	
Tutakimoa-Teotue	8	8	-	-	-	-	-	
Avatiu-Ruatonga-Panama	56	31	6	19	-	-	-	
Nikao-Panama	42	20	-	22	-	-	-	
Ruaau-Arerenga-Arorangi	273	92	59	92	-	30	-	
Akooa-Betela-Arorangi	125	25	15	43	-	42	-	
Murienua-Arorangi	104	26	21	10	47	-	-	
Titikaveka	245	58	55	102	-	30	-	
Ngatangia	124	22	14	40	48	-	-	
Matavera	99	60	15	24	-	-	-	
<b>OTHER SOUTHERN ISLANDS</b>	<b>3,177</b>	<b>582</b>	<b>340</b>	<b>580</b>	<b>223</b>	<b>493</b>	<b>959</b>	
Aitutaki	675	311	115	153	61	35	-	
Mangata	1,179	100	94	268	41	316	360	
Atiu	790	63	57	62	60	142	406	
Mauke	434	79	44	57	61	-	193	
Mitiaro	99	29	30	40	-	-	-	
<b>NORTHERN ISLANDS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
Palmerston	-	-	-	-	-	-	-	
Pukapuka	-	-	-	-	-	-	-	
Nassau	-	-	-	-	-	-	-	
Manihiki	-	-	-	-	-	-	-	
Rakahanga	-	-	-	-	-	-	-	
Penrhyn	-	-	-	-	-	-	-	
<b>COOK ISLANDS</b>	<b>4,388</b>	<b>985</b>	<b>563</b>	<b>968</b>	<b>318</b>	<b>595</b>	<b>959</b>	

Table 4.11 Number of Households Keeping Pigs, by Size of Pig Holding and Location of Household

Location of Household	Number of Households Keeping Pigs	Size of Pig Holding					
		1-4	5-9	10-19	20-29	30-49	50 and Over
<b>RAROTONGA</b>	<b>622</b>	<b>261</b>	<b>180</b>	<b>128</b>	<b>34</b>	<b>14</b>	<b>5</b>
Kiikii-Ooa-Pue	48	22	14	8	3	1	-
Tupapa-Maraerenga	18	6	3	8	-	-	1
Takuvaine	47	29	12	3	3	-	-
Tutakimoo-Teotue	12	6	4	2	-	-	-
Avatiu-Ruatonga-Panama	76	28	29	15	1	2	1
Nikao-Panama	50	17	13	14	6	-	-
Ruaau-Arerenga-Arorangi	116	48	36	25	5	2	-
Akooa-Betela-Arorangi	37	18	10	7	1	-	1
Murienua-Arorangi	37	11	17	7	2	-	-
Titikaveka	70	28	19	11	5	6	1
Ngatangia	34	10	8	12	2	2	-
Matavera	77	38	15	16	6	1	1
<b>OTHER SOUTHERN ISLANDS</b>	<b>559</b>	<b>176</b>	<b>139</b>	<b>143</b>	<b>57</b>	<b>28</b>	<b>16</b>
Aitutaki	248	113	65	51	13	5	1
Mangaia	116	30	29	32	12	7	6
Atiu	91	16	21	23	16	10	5
Mauke	63	12	14	18	11	4	4
Mitiaro	41	5	10	19	5	2	-
<b>NORTHERN ISLANDS</b>	<b>173</b>	<b>44</b>	<b>48</b>	<b>51</b>	<b>18</b>	<b>9</b>	<b>3</b>
Palmerston	3	3	-	-	-	-	-
Pukapuka	70	23	25	16	5	1	-
Nassau	8	3	3	2	-	-	-
Manihiki	55	8	10	18	10	7	2
Rakahanga	12	1	2	6	2	1	-
Penrhyn	25	6	8	9	1	-	1
<b>COOK ISLANDS</b>	<b>1,354</b>	<b>481</b>	<b>367</b>	<b>322</b>	<b>109</b>	<b>51</b>	<b>24</b>

Table 4.12 Number of Pigs, by Size of Pig Holding and Location of Household

Location of Household	Total Number of Pigs	Size of Pig Holding					
		1-4	5-9	10-19	20-29	30-49	50 and Over
<b>RAROTONGA</b>	<b>5,219</b>	<b>650</b>	<b>1,186</b>	<b>1,672</b>	<b>795</b>	<b>464</b>	<b>452</b>
Kiiki-Ooa-Pue	366	55	91	113	76	31	-
Tupapa-Maraerenga	203	21	20	112	-	-	50
Takuvaine	256	80	77	32	67	-	-
Tutakimoo-Teotue	68	23	25	20	-	-	-
Avatiu-Ruatonga-Panama	591	56	202	189	28	66	50
Nikao-Panama	441	42	77	186	136	-	-
Ruaau-Arerenga-Arorangi	824	118	220	303	109	74	-
Akooa-Betela-Arorangi	300	40	72	97	21	-	70
Murienua-Arorangi	271	29	108	88	46	-	-
Titikaveka	803	80	130	144	119	198	132
Ngatangiaa	350	21	55	160	49	65	-
Matavera	746	85	109	228	144	30	150
<b>OTHER SOUTHERN ISLANDS</b>	<b>6,739</b>	<b>428</b>	<b>963</b>	<b>1,872</b>	<b>1,259</b>	<b>965</b>	<b>1,252</b>
Aitutaki	1,889	262	465	664	278	170	50
Mangaia	1,782	71	190	428	276	232	585
Atiu	1,512	41	143	308	350	341	329
Mauke	1,013	36	90	213	242	144	288
Mitiaro	543	18	75	259	113	78	-
<b>NORTHERN ISLANDS</b>	<b>1,993</b>	<b>118</b>	<b>333</b>	<b>660</b>	<b>412</b>	<b>310</b>	<b>160</b>
Palmerston	7	7	-	-	-	-	-
Pukapuka	586	61	164	208	113	40	-
Nassau	59	11	22	26	-	-	-
Manihiki	886	22	69	223	232	230	110
Rakahanga	182	1	17	77	47	40	-
Penrhyn	273	16	61	126	20	-	50
<b>COOK ISLANDS</b>	<b>13,951</b>	<b>1,196</b>	<b>2,482</b>	<b>4,204</b>	<b>2,466</b>	<b>1,739</b>	<b>1,864</b>

Table 4.13 Number of Households Keeping Chickens, by Size of Chicken Holding and Location of Household

Location of Household	Number of Households Keeping Chickens	Size of Chicken Holding						
		1-4	5-9	10-19	20-29	30-49	50-99	100 and Over
<b>RAROTONGA</b>	<b>83</b>	<b>3</b>	<b>6</b>	<b>20</b>	<b>18</b>	<b>12</b>	<b>12</b>	<b>12</b>
Kiikii-Ooa-Pue	10	-	-	3	2	3	-	2
Tupapa-Maraerenga	2	-	-	-	1	-	-	1
Takuvaine	5	1	1	-	-	2	1	-
Tutakimooa-Teotue	-	-	-	-	-	-	-	-
Avaitu-Ruatonga-Panama	13	-	-	4	1	1	4	3
Nikao-Panama	2	-	-	-	-	-	2	-
Ruaau-Arerenga-Arorangi	2	-	-	-	1	1	-	-
Akooa-Betela-Arorangi	9	-	2	3	2	1	1	-
Murienua-Arorangi	-	-	-	-	-	-	-	-
Titikaveka	27	-	3	7	7	4	3	3
Ngatangia	5	-	-	2	2	-	-	1
Matavera	8	2	-	1	2	-	1	2
<b>OTHER SOUTHERN ISLANDS</b>	<b>497</b>	<b>-</b>	<b>8</b>	<b>102</b>	<b>149</b>	<b>100</b>	<b>93</b>	<b>45</b>
Aitutaki	305	-	7	81	99	69	39	10
Mangaia	43	-	-	3	6	5	13	16
Atiu	67	-	-	8	19	14	22	4
Mauke	54	-	1	5	16	8	14	10
Mitiaro	28	-	-	5	9	4	5	5
<b>NORTHERN ISLANDS</b>	<b>114</b>	<b>5</b>	<b>7</b>	<b>17</b>	<b>37</b>	<b>24</b>	<b>19</b>	<b>5</b>
Palmerston	4	-	-	-	1	1	2	-
Pukapuka	70	5	5	12	21	15	8	4
Nassau	9	-	-	1	1	4	3	-
Manihiki	19	-	1	3	9	2	4	-
Rakahanga	10	-	-	1	5	1	2	1
Penrhyn	2	-	1	-	-	1	-	-
<b>COOK ISLANDS</b>	<b>694</b>	<b>8</b>	<b>21</b>	<b>139</b>	<b>204</b>	<b>136</b>	<b>124</b>	<b>62</b>

Table 4.14 Number of Chickens, by Size of Chicken Holding and Location of Household

Location of Household	Total Number of Chickens	Size of Chicken Holding						
		1-4	5-9	10-19	20-29	30-49	50-99	100 and Over
<b>RAROTONGA</b>	<b>12,549</b>	<b>10</b>	<b>32</b>	<b>247</b>	<b>367</b>	<b>420</b>	<b>733</b>	<b>10,740</b>
Kiikii-Ooa-Pue	717	-	-	37	40	100	-	540
Tupapa-Maraerenga	122	-	-	-	22	-	-	100
Takuvaine	138	3	5	-	-	70	60	-
Tutakimooa-Teotue	-	-	-	-	-	-	-	-
Avatiu-Ruatonga-Panama	760	-	-	52	20	30	258	400
Nikao-Panama	100	-	-	-	-	-	100	-
Ruaau-Arerenga-Arorangi	60	-	-	-	20	40	-	-
Akooa-Betela-Arorangi	178	-	12	36	40	30	60	-
Murienua-Arorangi	-	-	-	-	-	-	-	-
Titikaveka	1,575	-	15	80	140	150	190	1,000
Ngatangia	8,077	-	-	32	45	-	-	8,000
Matavera	822	7	-	10	40	-	65	700
<b>OTHER SOUTHERN ISLANDS</b>	<b>18,421</b>	<b>-</b>	<b>42</b>	<b>1,125</b>	<b>3,024</b>	<b>3,466</b>	<b>5,084</b>	<b>5,680</b>
Aitutaki	9,000	-	36	882	2,007	2,405	2,100	1,570
Mangaia	2,782	-	-	30	126	166	660	1,800
Atiu	2,611	-	-	95	391	495	1,230	400
Mauke	2,711	-	6	61	320	270	794	1,260
Mitiaro	1,317	-	-	57	180	130	300	650
<b>NORTHERN ISLANDS</b>	<b>3,457</b>	<b>13</b>	<b>48</b>	<b>203</b>	<b>778</b>	<b>815</b>	<b>1,000</b>	<b>600</b>
Palmerston	150	-	-	-	20	30	100	-
Pukapuka	2,077	13	36	150	443	505	430	500
Nassau	351	-	-	11	20	150	170	-
Manihiki	490	-	7	32	191	60	200	-
Rakahanga	354	-	-	10	104	40	100	100
Penrhyn	35	-	5	-	-	30	-	-
<b>COOK ISLANDS</b>	<b>34,427</b>	<b>23</b>	<b>122</b>	<b>1,575</b>	<b>4,169</b>	<b>4,701</b>	<b>6,817</b>	<b>17,020</b>

Table 4.15 Number of Households Disposing of Livestock, by Type of Livestock and Location of Household

Location of Household	Slaughtered				Live			
	Pigs	Goats	Cattle	Chickens	Pigs	Goats	Cattle	Chickens
<b>RAROTONGA</b>	<b>328</b>	<b>64</b>	<b>6</b>	<b>6</b>	<b>109</b>	<b>24</b>	<b>3</b>	<b>2</b>
Kiikii-Ooa-Pue	13	2	-	-	3	-	-	-
Tupapa-Maraerenga	1	2	-	-	-	-	-	-
Takuvaine	26	1	-	1	7	-	-	-
Tutakimoo-Teotue	8	1	-	-	1	-	-	-
Avatiu-Ruatonga-Panama	37	5	3	1	21	2	-	-
Nikao-Panama	34	4	-	-	4	-	-	-
Ruaau-Arerenga-Arorangi	56	7	1	1	16	-	-	-
Akooa-Betela-Arorangi	9	2	1	1	2	1	-	1
Murienua-Arorangi	36	11	-	2	6	-	-	-
Titikaveka	38	11	1	-	15	4	1	1
Ngatangia	24	5	-	-	4	6	1	-
Matavera	46	13	-	-	30	11	1	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>337</b>	<b>104</b>	<b>3</b>	<b>1</b>	<b>167</b>	<b>49</b>	<b>1</b>	<b>1</b>
Aitutaki	123	50	-	-	67	22	1	-
Mangaia	39	17	-	-	19	9	-	-
Atiu	74	19	1	-	29	10	-	-
Mauke	74	17	1	1	21	8	-	1
Mitiaro	27	1	1	-	31	-	-	-
<b>NORTHERN ISLANDS</b>	<b>60</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>9</b>	<b>-</b>	<b>-</b>	<b>-</b>
Palmerston	-	-	-	-	-	-	-	-
Pukapuka	21	-	1	-	1	-	-	-
Nassau	6	-	-	-	6	-	-	-
Manihiki	26	-	-	-	-	-	-	-
Rakahanga	3	-	-	-	2	-	-	-
Penrhyn	4	-	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>725</b>	<b>168</b>	<b>10</b>	<b>7</b>	<b>285</b>	<b>73</b>	<b>4</b>	<b>3</b>

Table 4.16 Number of Livestock Slaughtered/Sold Alive by Type of Livestock, Method of Disposal and Region

Location of Household/ Type of Livestock	Total Number of Livestock Disposals			Slaughtered			Live			
	Home Use	Feast/ Gifts	Sold	Total	Feast/ Gifts	Sold	Total	Feast/ Gifts	Sold	Total
<b>RAROTONGA</b>	<b>3,834</b>	<b>1,578</b>	<b>541</b>	<b>462</b>	<b>2,581</b>	<b>430</b>	<b>823</b>	<b>1,253</b>		
Weaners (Pigs)	181	42	12	100	154	18	9	27		
Fatteners (Pigs)	2,012	934	397	287	1,618	284	110	394		
Sows	211	91	42	29	162	47	2	49		
Boars	140	96	26	1	123	17	-	17		
Goats	138	77	19	5	101	22	15	37		
Does	71	29	19	-	48	21	2	23		
Cattle	5	3	-	-	3	-	2	2		
Cows	6	5	-	-	5	-	1	1		
Chicken (Broilers)	399	287	20	10	317	20	62	82		
Chicken (Layers)	671	14	6	30	50	1	620	621		
<b>OTHER SOUTHERN ISLANDS</b>	<b>5,423</b>	<b>2,536</b>	<b>1,262</b>	<b>346</b>	<b>4,144</b>	<b>799</b>	<b>480</b>	<b>1,279</b>		
Weaners (Pigs)	40	17	8	-	25	15	-	15		
Fatteners (Pigs)	2,765	1,098	728	254	2,080	430	255	685		
Sows	399	141	108	20	269	105	25	130		
Boars	260	108	58	12	178	45	37	82		
Goats	527	160	142	29	331	100	96	196		
Does	153	76	26	13	115	19	19	38		
Cattle	-	-	-	-	-	-	-	-		
Cows	5	1	-	-	1	4	-	4		
Chicken (Broilers)	1,214	920	187	18	1,125	81	8	89		
Chicken (Layers)	60	15	5	-	20	-	40	40		
<b>NORTHERN ISLANDS</b>	<b>1,361</b>	<b>929</b>	<b>378</b>	<b>-</b>	<b>1,307</b>	<b>52</b>	<b>2</b>	<b>54</b>		
Weaners (Pigs)	65	18	47	-	65	-	-	-		
Fatteners (Pigs)	398	249	136	-	385	11	2	13		
Sows	16	13	3	-	16	-	-	-		
Boars	30	24	3	-	27	3	-	3		
Goats	-	-	-	-	-	-	-	-		
Does	-	-	-	-	-	-	-	-		
Cattle	-	-	-	-	-	-	-	-		
Cows	-	-	-	-	-	-	-	-		
Chicken (Broilers)	846	619	189	-	808	38	-	38		
Chicken (Layers)	6	6	-	-	6	-	-	-		
<b>COOK ISLANDS</b>	<b>10,618</b>	<b>5,043</b>	<b>2,181</b>	<b>808</b>	<b>8,032</b>	<b>1,281</b>	<b>1,305</b>	<b>2,586</b>		
Weaners (Pigs)	286	77	67	100	244	33	9	42		
Fatteners (Pigs)	5,175	2,281	1,261	541	4,083	725	367	1,092		
Sows	626	245	153	49	447	152	27	179		
Boars	430	228	87	13	328	65	37	102		
Goats	665	237	161	34	432	122	111	233		
Does	224	105	45	13	163	40	21	61		
Cattle	5	3	-	-	3	-	2	2		
Cows	11	6	-	-	6	4	1	5		
Chicken (Broilers)	2,459	1,826	396	28	2,250	139	70	209		
Chicken (Layers)	737	35	11	30	76	1	660	661		

Table 4.17 Number of Livestock Sold (Slaughtered or Live) and Sales Revenue by Type of Livestock and Region

Location of Household/Type of Livestock	Total		Slaughtered		Live	
	Number Sold	Sales Revenue (NZ\$)	Number Sold	Sales Revenue (NZ\$)	Number Sold	Sales Revenue (NZ\$)
<b>RAROTONGA</b>	<b>759</b>	<b>82,420</b>	<b>571</b>	<b>56,630</b>	<b>188</b>	<b>25,790</b>
Weaners (Pigs)	22	7,700	15	6,000	7	1,700
Fatteners (Pigs)	458	57,820	347	42,230	111	15,590
Sows	90	5,700	62	5,500	28	200
Boars	56	100	46	100	10	-
Goats	59	2,890	47	500	12	2,390
Does	29	160	17	-	12	160
Cattle	4	100	3	-	1	100
Cows	4	2,000	3	-	1	2,000
Chicken (Broilers)	28	500	25	100	3	400
Chicken (Layers)	9	5,450	6	2,200	3	3,250
<b>OTHER SOUTHERN ISLANDS</b>	<b>888</b>	<b>57,282</b>	<b>619</b>	<b>26,491</b>	<b>269</b>	<b>30,791</b>
Weaners (Pigs)	7	-	3	-	4	-
Fatteners (Pigs)	409	35,722	292	19,861	117	15,861
Sows	124	3,730	70	1,480	54	2,250
Boars	76	4,330	48	1,000	28	3,330
Goats	109	9,740	73	2,820	36	6,920
Does	44	2,900	31	1,150	13	\$1,750.00
Cattle	-	-	-	-	-	-
Cows	2	-	1	-	1	-
Chicken (Broilers)	114	260	99	180	15	80
Chicken (Layers)	3	600	2	-	1	600
<b>NORTHERN ISLANDS</b>	<b>190</b>	<b>120</b>	<b>161</b>	<b>-</b>	<b>29</b>	<b>120</b>
Weaners (Pigs)	8	-	8	-	-	-
Fatteners (Pigs)	84	120	78	-	6	120
Sows	9	-	7	-	2	-
Boars	16	-	10	-	6	-
Goats	-	-	-	-	-	-
Does	-	-	-	-	-	-
Cattle	-	-	-	-	-	-
Cows	-	-	-	-	-	-
Chicken (Broilers)	72	-	57	-	15	-
Chicken (Layers)	1	-	1	-	-	-
<b>COOK ISLANDS</b>	<b>1,837</b>	<b>139,822</b>	<b>1,351</b>	<b>83,121</b>	<b>486</b>	<b>56,701</b>
Weaners (Pigs)	37	7,700	26	6,000	11	1,700
Fatteners (Pigs)	951	93,662	717	62,091	234	31,571
Sows	223	9,430	139	6,980	84	2,450
Boars	148	4,430	104	1,100	44	3,330
Goats	168	12,630	120	3,320	48	9,310
Does	73	3,060	48	1,150	25	1,910
Cattle	4	100	3	-	1	100
Cows	6	2,000	4	-	2	2,000
Chicken (Broilers)	214	760	181	280	33	480
Chicken (Layers)	13	6,050	9	2,200	4	3,850

## SET 5: CAPTURE FISHING

Table 5.1	-	Number of Households Engaged in Capture Fishing and Pearl Farming Activities by Agricultural Activity and Location of Household
Table 5.2	-	Number of Households Engaged in Capture Fishing, by Main Purpose of Fishing Activities and Location of Household
Table 5.3	-	Number of Households Engaged in Capture Fishing Activities, by Forms of Fishing and Location of Household
Table 5.4	-	Number of Households Engaged in Capture Fishing, by Location of Fishing Activities and Location of Household
Table 5.5	-	Number of Households Engaged in Capture Fishing Activities, Average Number of Fishing Trips Made During the Last 12 Months Preceding the Census and Average Hours Per Fishing Trip, by Location of the Household
Table 5.6	-	Number of Households Engaged in Capture Fishing Activities, by Forms of Fishing and by Location of Fishing Activities and by Region
Table 5.7	-	Number of Households Engaged in Capture Fishing Activities, by Forms of Fishing, by Average Number of Fishing Trips per Year and Region
Table 5.8	-	Number of Households Engaged in Capture Fishing Activities, by Type of Boat(s) Used and Location of Household
Table 5.9	-	Number of Households Engaged in Capture Fishing, by Proportion of Fish and Other Sea Products Sold and Location of Household
Table 5.10	-	Number of Households Engaged in Capture Fishing, by Proportion of Fish and Other Sea Products Consumed and Location of Household

Table 5.1 Number of Households Engaged in Capture Fishing and Pearl Farming Activities by Agricultural Activity and Location of Household

Location of Household	Engaged in Capture Fishing			Engaged in Pearl Farming		
	Fishing	Agriculturally Active	Agriculturally Not Active	Pearl Farming	Agriculturally Active	Agriculturally Not Active
<b>RAROTONGA</b>	<b>198</b>	<b>117</b>	<b>81</b>	<b>1</b>	<b>-</b>	<b>1</b>
Kiikii-Ooa-Pue	11	5	6	-	-	-
Tupapa-Maraerenga	8	6	2	-	-	-
Takuvaine	14	11	3	-	-	-
Tutakimooa-Teotue	6	3	3	-	-	-
Avatiu-Ruatonga-Panama	21	7	14	1	-	1
Nikao-Panama	13	6	7	-	-	-
Ruaau-Arerenga-Arorangi	41	29	12	-	-	-
Akooa-Betela-Arorangi	17	3	14	-	-	-
Murienua-Arorangi	2	1	1	-	-	-
Titikaveka	19	12	7	-	-	-
Ngatangia	16	14	2	-	-	-
Matavera	30	20	10	-	-	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>538</b>	<b>450</b>	<b>88</b>	<b>-</b>	<b>-</b>	<b>-</b>
Aitutaki	245	211	34	-	-	-
Mangaia	116	94	22	-	-	-
Atiu	75	63	12	-	-	-
Mauke	60	45	15	-	-	-
Mitiaro	42	37	5	-	-	-
<b>NORTHERN ISLANDS</b>	<b>194</b>	<b>66</b>	<b>128</b>	<b>34</b>	<b>1</b>	<b>33</b>
Palmerston	6	-	6	-	-	-
Pukapuka	73	47	26	-	-	-
Nassau	9	9	-	-	-	-
Manihiki	67	1	66	34	1	33
Rakahanga	13	8	5	-	-	-
Penrhyn	26	1	25	-	-	-
<b>COOK ISLANDS</b>	<b>930</b>	<b>633</b>	<b>297</b>	<b>35</b>	<b>1</b>	<b>34</b>

**Table 5.2 Number of Households Engaged in Capture Fishing by Main Purpose of Fishing Activities and Location of Household**

Location of Household	Households Engaged in Capture Fishing	Main Purpose of Fishing Activities			Not Stated
		Only for Home Consumption	Mainly Home Consumption but with Occasional Selling	Mainly for Sale	
<b>RAROTONGA</b>	<b>198</b>	<b>164</b>	<b>25</b>	<b>9</b>	-
Kiikii-Ooa-Pue	11	8	2	1	-
Tupapa-Maraerenga	8	7	1	-	-
Takuvaine	14	12	-	2	-
Tutakimoo-Teotue	6	2	2	2	-
Avatiu-Ruatonga-Panama	21	16	3	2	-
Nikao-Panama	13	6	7	-	-
Ruaau-Arerenga-Arorangi	41	40	1	-	-
Akooa-Betela-Arorangi	17	16	1	-	-
Murienua-Arorangi	2	-	1	1	-
Titikaveka	19	16	3	-	-
Ngatangia	16	15	-	1	-
Matavera	30	26	4	-	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>538</b>	<b>311</b>	<b>91</b>	<b>3</b>	<b>133</b>
Aitutaki	245	71	38	3	133
Mangaia	116	92	24	-	-
Atiu	75	55	20	-	-
Mauke	60	55	5	-	-
Mitiaro	42	38	4	-	-
<b>NORTHERN ISLANDS</b>	<b>194</b>	<b>189</b>	<b>5</b>	<b>-</b>	<b>-</b>
Palmerston	6	5	1	-	-
Pukapuka	73	72	1	-	-
Nassau	9	9	-	-	-
Manihiki	67	67	-	-	-
Rakahanga	13	13	-	-	-
Penrhyn	26	23	3	-	-
<b>COOK ISLANDS</b>	<b>930</b>	<b>664</b>	<b>121</b>	<b>12</b>	<b>133</b>

Table 5.3 Number of Households Engaged in Capture Fishing Activities by Form of Fishing and Location of Household

Location of Household	Households Engaged in Capture Fishing	Form of Fishing									
		Gill and Other Net	Vertical Long Lining	Drop Lining	Hook and Line	Trolling	Deep-Bottom	Speargun	Collecting/Gathering Shells	Flying (Maroro) fishing	Other
<b>RAROTONGA</b>	<b>198</b>	<b>84</b>	<b>8</b>	<b>8</b>	<b>77</b>	<b>19</b>	<b>11</b>	<b>39</b>	<b>58</b>	<b>17</b>	<b>7</b>
Kiikii-Ooa-Pue	11	3	-	-	2	4	1	3	-	2	1
Tupapa-Maraerenga	8	4	-	-	2	-	1	-	-	1	1
Takuvaine	14	2	-	-	8	1	2	-	6	-	-
Tutakimoo-Teotue	6	-	-	-	1	2	-	1	1	5	-
Avatiu-Ruatonga-Panama	21	4	1	3	9	2	1	4	8	4	1
Nikao-Panama	13	-	4	4	7	5	2	4	1	2	-
Ruaau-Arerenga-Arorangi	41	23	1	-	25	-	2	13	19	-	1
Akaoa-Betela-Arorangi	17	11	-	-	2	1	-	5	7	-	1
Murienua-Arorangi	2	2	-	-	-	-	1	-	-	-	-
Titikaveka	19	12	-	-	-	3	-	3	3	-	2
Ngatangia	16	13	-	-	5	-	-	2	5	-	-
Matavera	30	10	2	-	16	1	1	4	8	3	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>538</b>	<b>141</b>	<b>20</b>	<b>36</b>	<b>264</b>	<b>97</b>	<b>64</b>	<b>90</b>	<b>183</b>	<b>57</b>	<b>4</b>
Aitutaki	245	54	1	6	36	33	8	21	7	7	4
Mangaia	116	40	3	1	83	6	4	25	81	6	-
Atiu	75	26	9	8	55	15	9	15	46	11	-
Mauke	60	14	-	-	52	18	18	16	20	8	-
Mitiaro	42	7	7	21	38	25	25	13	29	25	-
<b>NORTHERN ISLANDS</b>	<b>194</b>	<b>158</b>	<b>7</b>	<b>29</b>	<b>91</b>	<b>135</b>	<b>15</b>	<b>81</b>	<b>19</b>	<b>64</b>	<b>5</b>
Palmerston	6	4	-	-	3	3	-	1	-	-	1
Pukapuka	73	63	4	11	30	61	11	10	1	50	-
Nassau	9	6	1	-	9	8	-	5	-	-	-
Manihiki	67	53	2	10	19	30	4	37	17	12	4
Rakahanga	13	12	-	6	6	9	-	7	-	2	-
Penrhyn	26	20	-	2	24	24	-	21	1	-	-
<b>COOK ISLANDS</b>	<b>930</b>	<b>383</b>	<b>35</b>	<b>73</b>	<b>432</b>	<b>251</b>	<b>90</b>	<b>210</b>	<b>260</b>	<b>138</b>	<b>16</b>

**Table 5.4 Number of Households Engaged in Capture Fishing, by Location of Fishing Activities and Location of Household**

Location of Household	Households Engaged in Capture Fishing	Location of Fishing Activity			
		Lagoon	Reef (outer reef slope)	Outside or Over Reef	Freshwater
<b>RAROTONGA</b>	<b>198</b>	<b>122</b>	<b>136</b>	<b>67</b>	<b>3</b>
Kiikii-Ooa-Pue	11	4	4	7	1
Tupapa-Maraerenga	8	4	3	2	-
Takuvaine	14	2	11	5	1
Tutakimoo-Teotue	6	1	1	9	-
Avatiu-Ruatonga-Panama	21	10	15	12	-
Nikao-Panama	13	7	7	15	-
Ruaau-Arerenga-Arorangi	41	38	44	1	1
Akaoo-Betela-Arorangi	17	13	13	1	-
Murienua-Arorangi	2	1	-	2	-
Titikaveka	19	17	2	4	-
Ngatangijia	16	13	11	1	-
Matavera	30	12	25	8	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>538</b>	<b>273</b>	<b>381</b>	<b>296</b>	<b>6</b>
Aitutaki	245	86	28	60	3
Mangaia	116	111	111	26	1
Atiu	75	46	90	58	-
Mauke	60	19	74	52	1
Mitiaro	42	11	78	100	1
<b>NORTHERN ISLANDS</b>	<b>194</b>	<b>156</b>	<b>170</b>	<b>278</b>	<b>-</b>
Palmerston	6	6	4	2	-
Pukapuka	73	53	51	137	-
Nassau	9	-	20	9	-
Manihiki	67	69	52	67	-
Rakahanga	13	7	18	17	-
Penrhyn	26	21	25	46	-
<b>COOK ISLANDS</b>	<b>930</b>	<b>551</b>	<b>687</b>	<b>641</b>	<b>9</b>

**Table 5.5 Number of Households Engaged in Capture Fishing Activities: Average Number of Fishing Trips made during the Last 12 Months by Location of Household**

Location of Household	Households Engaged in Capture Fishing	Fishing Trips During Last 12 Months Preceding Census					
		Trips Per Month		Trips Per Year		Average Hours per Trip	Average Hours per Trip
		Average Number of Trips	Average Hours per Trip	Average Number of Trips	Average Number of Trips		
<b>RAROTONGA</b>	<b>198</b>	<b>3.7</b>	<b>3.1</b>	<b>14.7</b>	<b>5.3</b>		
Kiikii-Ooa-Pue	11	4.8	3.4	9.0	3.4		
Tupapa-Maraerenga	8	4.1	2.3	8.9	2.3		
Takuvaine	14	3.4	3.1	7.7	3.1		
Tutakimooa-Teotue	6	3.4	4.5	7.5	4.5		
Avatiu-Ruatonga-Panama	21	4.2	3.3	8.2	3.3		
Nikao-Panama	13	4.2	5.6	8.3	5.6		
Ruaau-Arerenga-Arorangi	41	2.8	2.5	7.9	2.5		
Akooa-Betela-Arorangi	17	2.6	2.6	8.0	2.6		
Murienua-Arorangi	2	6.0	4.0	12.0	4.0		
Titikaveka	19	2.9	2.0	8.3	1.9		
Ngatangitia	16	3.1	1.9	8.4	1.9		
Matavera	30	3.2	2.2	8.4	2.2		
<b>OTHER SOUTHERN ISLANDS</b>	<b>538</b>	<b>3.4</b>	<b>3.7</b>	<b>13.5</b>	<b>6.0</b>		
Aitutaki	245	4.3	3.9	8.3	4.0		
Mangaia	116	4.3	3.2	8.0	3.3		
Atiu	75	3.0	4.0	8.0	4.0		
Mauke	60	2.4	3.4	7.8	2.8		
Mitiaro	42	3.1	3.8	8.3	3.8		
<b>NORTHERN ISLANDS</b>	<b>194</b>	<b>5.1</b>	<b>3.0</b>	<b>9.4</b>	<b>3.4</b>		
Palmerston	6	5.4	3.8	8.6	3.8		
Pukapuka	73	5.1	3.3	6.8	3.1		
Nassau	9	6.5	2.4	7.7	1.8		
Manihiki	67	3.8	3.5	7.6	3.3		
Rakahanga	13	4.5	2.9	8.2	2.7		
Penrhyn	26	5.1	2.5	8.3	2.3		
<b>COOK ISLANDS</b>	<b>930</b>	<b>4.1</b>	<b>3.3</b>	<b>12.5</b>	<b>4.9</b>		

**Table 5.6 Number of Households Engaged in Capture Fishing Activities by Form of Fishing, Location of Fishing Activities and Region**

Location of Fishing Activity/Region	Form of Fishing									
	Gill and Other Net	Vertical Long Lining	Drop Lining	Hook and Line	Trolling	Deep-Bottom	Speargun	Collecting/Gathering Shells	Flying (Maroro) fishing	Other
<b>RAROTONGA</b>	<b>84</b>	<b>8</b>	<b>8</b>	<b>77</b>	<b>19</b>	<b>11</b>	<b>39</b>	<b>58</b>	<b>17</b>	<b>7</b>
Lagoon	68	1	1	9	-	3	25	12	-	3
Reef	13	1	1	60	1	-	13	45	-	2
Outside or Over Reef	3	6	6	7	18	8	1	1	17	-
Freshwater	-	-	-	1	-	-	-	-	-	2
<b>OTHER SOUTHERN ISLANDS</b>	<b>141</b>	<b>20</b>	<b>36</b>	<b>264</b>	<b>97</b>	<b>64</b>	<b>90</b>	<b>183</b>	<b>57</b>	<b>4</b>
Lagoon	117	2	2	42	2	-	25	79	-	4
Reef	20	2	2	211	3	2	36	103	2	-
Outside or Over Reef	3	16	32	10	91	61	29	-	54	-
Freshwater	1	-	-	1	1	1	-	1	1	-
<b>NORTHERN ISLANDS</b>	<b>158</b>	<b>7</b>	<b>29</b>	<b>91</b>	<b>135</b>	<b>15</b>	<b>81</b>	<b>19</b>	<b>64</b>	<b>5</b>
Lagoon	87	2	5	19	4	2	13	17	3	4
Reef	67	-	5	51	7	-	35	2	2	1
Outside or Over Reef	4	5	19	21	124	13	33	-	59	-
Freshwater	-	-	-	-	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>383</b>	<b>35</b>	<b>73</b>	<b>432</b>	<b>251</b>	<b>90</b>	<b>210</b>	<b>260</b>	<b>138</b>	<b>16</b>
Lagoon	272	5	8	70	6	5	63	108	3	11
Reef	100	3	8	322	11	2	84	150	4	3
Outside or Over Reef	10	27	57	38	233	82	63	1	130	-
Freshwater	1	-	-	2	1	1	-	1	1	2

**Table 5.7 Number of Households Engaged in Capture Fishing Activities, by Forms of Fishing, by Average Number of Fishing Trips per Year and Region**

Form of Fishing	Average Number of Trips Per Year			
	Cook Islands	Rarotonga	Other Southern Islands	Northern Islands
Gill and Other Net	15.7	12.6	13.8	19.0
Vertical Long Lining	13.3	15.5	11.6	15.4
Drop Lining	15.1	13.0	15.6	15.0
Hook and Line	15.3	13.3	14.3	20.0
Trolling	17.4	18.1	14.5	19.3
Deep-Bottom	14.1	19.6	12.9	15.3
Speargun	14.1	10.5	13.3	16.7
Collecting/ Gathering Shells	12.6	11.3	13.5	8.2
Flying (Maroro) fishing	17.9	26.1	14.7	18.6
Other	13.0	13.7	14.0	11.2
<b>Total Households Engaged in Capture Fishing</b>	<b>930</b>	<b>198</b>	<b>538</b>	<b>194</b>

Table 5.8 Number of Households Engaged in Capture Fishing Activities, by Type of Boat(s) Used by Location of Household

Location of Household	Households Engaged in Fishing Activities	Households that Used a Boat, by Type of Boat					
		Non-Motorized		Motorized			
		Number	Average Length	Number	Average Length	Average Length	Average HP*
<b>RAROTONGA</b>	<b>198</b>	<b>4</b>	<b>3.0</b>	<b>43</b>	<b>4.6</b>	<b>44</b>	
Kiikii-Ooa-Pue	11	-	-	4	5.8	65	
Tupapa-Maraerenga	8	-	-	3	5.0	40	
Takuvaine	14	1	2.0	3	6.0	63	
Tutakimooa-Teotue	6	-	-	5	4.8	23	
Avatiu-Ruatonga-Panama	21	-	-	7	5.9	69	
Nikao-Panama	13	1	2.0	8	5.1	40	
Ruaau-Arerenga-Arorangi	41	1	4.0	-	-	-	
Akooa-Betela-Arorangi	17	-	-	-	-	-	
Murienua-Arorangi	2	-	-	1	6.0	60	
Titikaveka	19	1	4.0	3	5.7	47	
Ngatangijia	16	-	-	4	5.8	66	
Matavera	30	-	-	5	5.4	52	
<b>OTHER SOUTHERN ISLANDS</b>	<b>538</b>	<b>18</b>	<b>3.6</b>	<b>117</b>	<b>4.7</b>	<b>28</b>	
Aitutaki	245	5	3.8	67	5.9	53	
Mangaia	116	-	-	11	4.7	18	
Atiu	75	2	3.5	16	4.1	27	
Mauke	60	11	3.5	20	4.0	18	
Mitiaro	42	-	-	3	4.7	25	
<b>NORTHERN ISLANDS</b>	<b>194</b>	<b>1</b>	<b>3.0</b>	<b>193</b>	<b>5.1</b>	<b>23</b>	
Palmerston	6	-	-	6	5.2	19	
Pukapuka	73	1	3.0	71	5.7	23	
Nassau	9	-	-	4	5.0	23	
Manihiki	67	-	-	61	5.1	23	
Rakahanga	13	-	-	10	4.9	27	
Penthyne	26	-	-	41	5.0	23	
<b>COOK ISLANDS</b>	<b>930</b>	<b>23</b>	<b>3.2</b>	<b>353</b>	<b>4.8</b>	<b>32</b>	

\*HP refers to the horse-power size of the boat's motor.

Table 5.9 Number of Households Engaged in Capture Fishing by Proportion of Fish and Other Sea Products Sold and Location of Household

Location of Household	Households Engaged in Fishing Activities	Proportion of Fish and Other Sea Products Sold						
		None	About <sup>1</sup> / <sub>4</sub>	About <sup>1</sup> / <sub>3</sub>	About <sup>1</sup> / <sub>2</sub>	About <sup>3</sup> / <sub>4</sub>	All	Not Stated
<b>RAROTONGA</b>	<b>198</b>	<b>154</b>	<b>8</b>	<b>1</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>4</b>
Kiikii-Ooa-Pue	11	8	1	-	-	2	-	-
Tupapa-Maraerenga	8	7	1	-	-	-	-	-
Takuvaine	14	13	1	-	-	-	-	-
Tutakimooa-Teotue	6	2	-	1	1	2	1	-
Avatiu-Ruatonga-Panama	21	15	1	-	2	-	2	1
Nikao-Panama	13	6	2	-	2	3	-	-
Ruaau-Arerenga-Arorangi	41	31	-	-	-	1	8	1
Akooa-Betela-Arorangi	17	15	-	-	1	-	-	1
Murienua-Arorangi	2	1	-	-	-	-	1	-
Titikaveka	19	17	1	-	1	-	-	-
Ngatangia	16	13	-	-	2	-	-	1
Matavera	30	26	1	1	-	2	-	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>538</b>	<b>289</b>	<b>38</b>	<b>4</b>	<b>25</b>	<b>26</b>	<b>2</b>	<b>154</b>
Aitutaki	245	56	9	-	13	18	2	147
Mangaia	116	89	10	3	7	4	-	3
Atiu	75	54	14	-	2	4	-	1
Mauke	60	55	4	1	-	-	-	-
Mitiaro	42	35	1	-	3	-	-	3
<b>NORTHERN ISLANDS</b>	<b>194</b>	<b>186</b>	<b>5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>
Palmerston	6	5	1	-	-	-	-	-
Pukapuka	73	71	1	-	-	-	-	1
Nassau	9	7	-	-	-	-	-	2
Manihiki	67	67	-	-	-	-	-	-
Rakahanga	13	13	-	-	-	-	-	-
Penrhyn	26	23	3	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>930</b>	<b>629</b>	<b>51</b>	<b>5</b>	<b>34</b>	<b>36</b>	<b>14</b>	<b>161</b>

**Table 5.10 Number of Households Engaged in Capture Fishing, by Proportion of Fish and Other Sea Products Consumed and Location of Household**

Location of Household	Households Engaged in Fishing Activities	Proportion of Fish and Other Sea Products Consumed						
		None	About <sup>1</sup> / <sub>4</sub>	About <sup>1</sup> / <sub>3</sub>	About <sup>1</sup> / <sub>2</sub>	About <sup>3</sup> / <sub>4</sub>	All	Not Stated
<b>RAROTONGA</b>	<b>198</b>	<b>10</b>	<b>13</b>	<b>1</b>	<b>7</b>	<b>10</b>	<b>132</b>	<b>25</b>
Kiikii-Ooa-Pue	11	-	2	-	-	2	7	-
Tupapa-Maraerenga	8	-	-	-	-	-	-	8
Takuvaine	14	-	-	-	-	-	-	14
Tutakimoo-Teotue	6	-	2	-	1	1	2	-
Avatiu-Ruatonga-Panama	21	2	-	-	2	1	15	1
Nikao-Panama	13	-	4	-	1	2	6	-
Ruaau-Arerenga-Arorangi	41	8	1	-	-	-	30	2
Akooa-Betela-Arorangi	17	-	-	-	1	2	14	-
Murienua-Arorangi	2	-	1	-	-	-	1	-
Titikaveka	19	-	-	-	1	1	17	-
Ngatangijia	16	-	1	-	1	-	14	-
Matavera	30	-	2	1	-	1	26	-
<b>OTHER SOUTHERN ISLANDS</b>	<b>538</b>	<b>2</b>	<b>26</b>	<b>2</b>	<b>26</b>	<b>48</b>	<b>280</b>	<b>154</b>
Aitutaki	245	2	18	1	14	11	52	147
Mangaia	116	-	4	1	7	17	84	3
Atiu	75	-	4	-	2	14	54	1
Mauke	60	-	-	-	-	5	55	-
Mitiaro	42	-	-	-	3	1	35	3
<b>NORTHERN ISLANDS</b>	<b>194</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>182</b>	<b>4</b>
Palmerston	6	-	-	-	-	1	5	-
Pukapuka	73	-	-	-	-	3	68	2
Nassau	9	-	-	-	-	1	6	2
Manihiki	67	-	-	-	-	-	67	-
Rakahanga	13	-	-	-	-	-	13	-
Penrhyn	26	-	-	-	-	3	23	-
<b>COOK ISLANDS</b>	<b>930</b>	<b>12</b>	<b>39</b>	<b>3</b>	<b>33</b>	<b>66</b>	<b>594</b>	<b>183</b>



## TABLE SET 6: PEARL FARMING DETAILS

### EXTENT OF PEARL FARMING ACTIVITY

- Table 6.1 - Number of Pearl Farms, Farm Lines and Spat Collector Lines by Island
- Table 6.2 - Number of Pearl Farms, by Length of Farm Lines, Length of Spat Collector Lines and by Island
- Table 6.3 - Number of Farm Lines, Spat Collector Lines, by Length of Farm Lines and by Island
- Table 6.4 - Number of Pearl Farms and Farm Shells, by Type of Farm Shell and by Island

### LABOUR INPUTS

- Table 6.5 - Number of Household Members, Aged 15 and Over, Working in the Pearl Farm During the Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household
- Table 6.6 - Number of Non-Household Members, Aged 15 and Over, Working in the Pearl Farm During the Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household
- Table 6.7 - Average Weekly Hours Worked by Persons Aged 15 and Over, on Pearl Farm During the Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household
- Table 6.8 - Average Wages (In NZ\$) Per Month by Persons Aged 15 and Over, Working in Paid Capacity on the Pearl Farm During the Month Prior to Enumeration, by Sex, Age Group, and by Location of the Household
- Table 6.9 - Number of Persons Aged 15 and Over, Working in Paid Capacity on the Pearl Farm During the Month Prior to Enumeration, by Sex, Other Benefits Received and Location of the Household
- Table 6.10 - Number of Persons Aged 15 and Over, Working on the Pearl Farm During the Month Prior to Enumeration But With Other Paid Jobs, by Sex, Status of Other Paid Job, Type of Labor and by Location of the Household

### EQUIPMENT

- Table 6.11 - Number of Pearl Farms Using Boats and Number of Trips Per Week, by Island

### PRODUCTION PROJECTIONS

- Table 6.12 - Number of Farm Shells Perceived to be Seeded Three Years and Five Years From Now, by Island

### PEARL FARM INCOME AND LOANS

- Table 6.13 - Number of Pearl Farm Operation, by Proportion of Total Income Usually Derived from Pearl Farm Operation and by Location of Household
- Table 6.14 - Number of Pearl Farm Operation, by Source of Loans and by Location of Household

**Table 6.1 Number of Operators, Pearl Farms, Farm Lines and Spat Collector Lines, by Island**

Island	Number of Pearl Farm Operators	Number of Pearl Farms	Number of Farm Lines	Number of Spat Collector Lines
Rarotonga	1	-	100	30
Manihiki	34	35	1,352	426
Rakahanga	-	-	-	-
Penrhyn	-	-	-	-
<b>COOK ISLANDS</b>	<b>35</b>	<b>35</b>	<b>1,452</b>	<b>456</b>

**Table 6.2 Number of Pearl Farms , by Length of Spat Lines and by Island**

Island	Total Number of Pearl Farms	Length of Lines (In Metres)				Not Stated*
		Less than 100	100 -199	200 - 299	300-399	
<b>SPAT COLLECTOR LINES</b>						
Manihiki	35	2	17	14	-	2
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>35</b>	<b>2</b>	<b>17</b>	<b>14</b>	<b>-</b>	<b>2</b>

\* In the case of Spat Collector Lines, this figure includes farms that have reported "Nil".

**Table 6.3 Number of Spat Collector Lines, by Length of Lines and by Island**

Island	Total Number of Lines	Length of Lines (In Metres)				Not Stated*
		Less than 100	100 -199	200 - 299	300 - 399	
<b>SPAT COLLECTOR LINES</b>						
Manihiki	456	14	237	179	2	24
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>456</b>	<b>14</b>	<b>237</b>	<b>179</b>	<b>2</b>	<b>24</b>

\* In the case of Spat Collector Lines, this figure includes farms that have reported "Nil".

**Table 6.4 Number of Pearl Farms and Farm Shells, by Type of Farm Shell and by Island**

Island	All Types		Type of Farm Shells					
			Seeded		Drilled Un-seeded		Other	
			Number of Pearl Farms	Number of Farm Shells	Number of Pearl Farms	Number of Farm Shells	Number of Pearl Farms	Number of Farm Shells
Manihiki	35	889,221	27	330,430	21	489,400	5	69,391
Rakahanga	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-
<b>COOK ISLANDS</b>	<b>35</b>	<b>889,221</b>	<b>27</b>	<b>330,430</b>	<b>21</b>	<b>489,400</b>	<b>5</b>	<b>69,391</b>

**Table 6.5 Number of Household Members, Aged 15 and Over, Working in the Pearl Farm During the Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household**

Type of Labour/Location of Household	Total Household Members by Age Group						Male Members by Age Group						Female Members by Age Group											
	15 - 19		20 - 39		40 - 59		60 and Over		Not Stated		Total		15 - 19		20 - 39		40 - 59		60 and Over		Not Stated		Total	
<b>OPERATORS</b>																								
Rarotonga	-	9	6	-	1	16	-	9	5	-	1	15	-	-	-	-	1	-	-	-	-	-	1	1
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	9	6	-	1	16	-	9	5	-	1	15	-	-	-	-	1	-	-	-	-	-	1	1
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>PAID WORKERS</b>																								
Rarotonga	1	3	1	-	-	5	1	3	-	-	4	-	-	-	-	1	-	-	-	-	-	-	1	
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rakahanga	1	3	1	-	-	5	1	3	-	-	4	-	-	-	-	1	-	-	-	-	-	-	1	
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>UNPAID WORKERS</b>																								
Rarotonga	2	2	3	-	1	8	1	2	2	-	5	1	2	1	-	4	-	-	-	-	-	1	3	
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rakahanga	2	2	3	-	1	8	1	2	2	-	5	1	2	1	-	4	-	-	-	-	-	1	3	
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>ALL WORKERS</b>																								
Rarotonga	3	14	10	-	2	29	2	14	7	-	24	1	2	1	-	4	-	-	-	-	1	5		
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rakahanga	3	14	10	-	2	29	2	14	7	-	24	1	2	1	-	4	-	-	-	-	1	5		
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**Table 6.6 Number of Non-Household Members, Aged 15 and Over, Working in the Pearl Farm During the Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household**

Type of Labour/ Location of Household	Total Non-Household Members by Age Group					Male Members by Age Group					Female Members by Age Group							
	15 - 19	20 -39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 -39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 -39	40 - 59	60 and Over	Not Stated	Total
<b>OPERATORS</b>																		
Rarotonga	-	13	6	-	1	20	-	13	5	-	1	19	-	-	1	-	-	1
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	13	6	-	1	20	-	13	5	-	1	19	-	-	1	-	-	1
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>PAID WORKERS</b>																		
Rarotonga	7	23	9	-	-	39	6	19	5	-	-	30	1	4	4	-	-	9
Manihiki	-	4	-	-	-	-	-	3	-	-	-	3	-	1	-	-	-	1
Rakahanga	7	19	9	-	-	35	6	16	5	-	-	27	1	3	4	-	-	8
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>UNPAID WORKERS</b>																		
Rarotonga	2	7	4	-	-	13	2	4	2	-	-	8	-	3	2	-	-	5
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	2	7	4	-	-	13	2	4	2	-	-	8	-	3	2	-	-	5
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>ALL WORKERS</b>																		
Rarotonga	9	43	19	-	1	72	8	36	12	-	1	57	1	7	7	-	-	15
Manihiki	-	4	-	-	-	-	-	3	-	-	-	3	-	1	-	-	-	1
Rakahanga	9	39	19	-	1	68	8	33	12	-	1	54	1	6	7	-	-	14
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 6.7 Average Weekly Hours Worked by Persons Aged 15 and Over, on Pearl Farm During the Month Prior to Enumeration, by Sex, Age Group, Type of Labour and by Location of the Household**

Type of Labour/ Location of Household	Total Household Members by Age Group					Male Members by Age Group					Female Members by Age Group							
	15 - 19	20 -39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 -39	40 - 59	60 and Over	Not Stated	Total	15 - 19	20 -39	40 - 59	60 and Over	Not Stated	Total
	<b>OPERATORS</b>	<b>40.0</b>	<b>29.3</b>	<b>18.1</b>	-	-	<b>29.1</b>	<b>40.0</b>	<b>29.3</b>	<b>15.0</b>	-	-	<b>28.1</b>	-	-	<b>40.0</b>	-	-
Rarotonga	-	40.0	-	-	-	40.0	-	40.0	-	-	40.0	-	-	-	-	-	-	-
Manihiki	40.0	28.8	18.1	-	-	25.8	40.0	28.8	15.0	-	-	25.4	-	-	40.0	-	-	40.0
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>PAID WORKERS</b>	<b>42.5</b>	<b>38.1</b>	<b>36.4</b>	-	-	<b>39.0</b>	<b>42.9</b>	<b>38.0</b>	<b>38.3</b>	-	-	<b>39.7</b>	<b>40.0</b>	<b>40.0</b>	<b>35.0</b>	-	-	<b>38.3</b>
Rarotonga	-	40.0	-	-	-	40.0	-	40.0	-	-	40.0	-	-	-	-	-	-	40.0
Manihiki	42.5	37.8	36.4	-	-	38.6	42.9	37.6	38.3	-	-	37.5	40.0	40.0	35.0	-	-	37.5
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>UNPAID WORKERS</b>	<b>9.0</b>	<b>2.0</b>	<b>14.0</b>	-	-	<b>9.6</b>	<b>15.0</b>	<b>2.5</b>	<b>17.5</b>	-	-	<b>13.9</b>	-	-	-	-	-	-
Rarotonga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manihiki	9.0	3.3	17.5	-	-	6.9	15.0	2.5	17.5	-	-	11.3	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>ALL WORKERS</b>	<b>30.4</b>	<b>30.7</b>	<b>23.5</b>	-	-	<b>28.2</b>	<b>35.0</b>	<b>30.9</b>	<b>20.7</b>	-	-	<b>28.9</b>	<b>13.3</b>	<b>26.7</b>	<b>30.0</b>	-	-	<b>23.3</b>
Rarotonga	-	40.0	-	-	-	40.0	-	40.0	-	-	40.0	-	-	40.0	-	-	-	40.0
Manihiki	30.4	29.7	23.5	-	-	27.7	35.0	30.1	20.7	-	-	28.7	13.3	20.0	30.0	-	-	21.7
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

14 out of 67 Persons did NOT report hours worked

**Table 6.8 Average Wages (In NZ\$) Per Month by Persons Aged 15 and Over, Working in Paid Capacity on the Pearl Farm During the Month Prior to Enumeration, by Sex, Age Group, and by Location of the Household**

Location of Household	Age Group					Total
	15 - 19	20 -39	40 - 59	60 and Over	Not Stated	
<b>MALE</b>						
Rarotonga	-	1,215.00	-	-	-	1,215.00
Manihiki	636.36	440.36	488.57	-	-	473.10
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
<b>Total</b>	<b>636.36</b>	<b>501.11</b>	<b>488.57</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>FEMALE</b>						
Rarotonga	-	500.00	-	-	-	500.00
Manihiki	266.67	503.50	266.67	-	-	283.91
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
<b>Total</b>	<b>266.67</b>	<b>502.33</b>	<b>266.67</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>TOTAL</b>						
Rarotonga	-	1,072.00	-	-	-	1,072.00
Manihiki	557.14	442.94	422.00	-	-	446.40
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
<b>Total</b>	<b>557.14</b>	<b>501.18</b>	<b>422.00</b>	<b>-</b>	<b>-</b>	<b>-</b>

32 out of the 67 Persons did NOT report wages

**Table 6.9 Number of Persons 15 and Over, Working in Paid Capacity on the Pearl Farm During the Month Prior to Enumeration, by Sex, Other Benefits Received, by Location of Household**

Location of Household	Other Benefits Received							No Benefits/ Not Stated
	Free Subsidized Housing Only	Free Subsidized Meals Only	Other Benefits Only	Free Subsidized Housing and Meals	Free Subsidized Housing and Other Benefits	Free Subsidized Meals and Other Benefits	Free Subsidized Housing, Meals and Other Benefits	
<b>MALE</b>								
Rarotonga	-	-	-	-	-	-	4	-
Manihiki	-	24	-	-	-	-	-	29
Rakahanga	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-
<b>Total</b>	-	<b>24</b>	-	-	-	-	<b>4</b>	<b>29</b>
<b>FEMALE</b>								
Rarotonga	-	-	-	-	-	-	1	-
Manihiki	-	2	-	-	-	-	-	7
Rakahanga	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-
<b>Total</b>	-	<b>2</b>	-	-	-	-	<b>1</b>	<b>7</b>
<b>TOTAL</b>								
Rarotonga	-	-	-	-	-	-	5	-
Manihiki	-	26	-	-	-	-	-	36
Rakahanga	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-
<b>Total</b>	-	<b>26</b>	-	-	-	-	<b>5</b>	<b>36</b>

**Table 6.10 Number of Persons Aged 15 and Over, Working on the Pearl Farm During the Month Prior to Enumeration But With Other Paid Jobs, by Sex, Status of Other Paid Job, Type of Labor and by Location of the Household**

Location of Household	TOTAL					MALE					FEMALE				
	No Other Paid Job	Full Time	Part Time	Not Stated	Total	No Other Paid Job	Full Time	Part Time	Not Stated	Total	No Other Paid Job	Full Time	Part Time	Not Stated	Total
	<b>OPERATORS</b>	16	3	7	-	26	15	3	7	-	25	1	-	-	-
Rarotonga	1	-	-	-	1	1	-	-	-	1	-	-	-	-	-
Manihiki	15	3	7	-	25	14	3	7	-	24	1	-	-	-	1
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>PAID WORKERS</b>	23	1	4	-	28	19	-	4	-	23	4	1	-	-	5
Rarotonga	4	-	-	-	4	3	-	-	-	3	1	-	-	-	1
Manihiki	19	1	4	-	24	16	-	4	-	20	3	1	-	-	4
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>UNPAID WORKERS</b>	8	1	4	-	13	4	1	4	-	9	4	-	-	-	4
Rarotonga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manihiki	8	1	4	-	13	4	1	4	-	9	4	-	-	-	4
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>ALL WORKERS</b>	47	5	15	-	67	38	4	15	-	57	9	1	-	-	10
Rarotonga	5	-	-	-	5	4	-	-	-	4	1	-	-	-	1
Manihiki	42	5	15	-	62	34	4	15	-	53	8	1	-	-	9
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Table 6.11 Number of Pearl Farms Using Boats and Number of Trips Per Week, by Island**

Island	Number of Pearl Farms	Number of Pearl Farms Using Boats	Number of Boat Trips Per Week
Manihiki	35	32	293
Rakahanga	-	-	-
Penrhyn	-	-	-
<b>COOK ISLANDS</b>	<b>35</b>	<b>32</b>	<b>293</b>

**Table 6.12 Number of Farm Shells Perceived to be Seeded Three Years and Five Years From Now, by Island**

Island	Three Years From Now		Five Years From Now	
	Number of Pearl Farms	Number of Shells to be Seeded	Number of Pearl Farms	Number of Shells to be Seeded
Manihiki	22	761,000	22	953,000
Rakahanga	-	-	-	-
Penrhyn	-	-	-	-
<b>COOK ISLANDS</b>	<b>22</b>	<b>761,000</b>	<b>22</b>	<b>953,000</b>

Table 6.13 Number of Pearl Farm Operation, by Proportion of Total Income Usually Derived from Pearl Farm Operation and by Location of Household

Location of Household	Total Number of Pearl Farms	Proportion of Income						
		None	About $\frac{1}{4}$	About $\frac{1}{3}$	About $\frac{1}{2}$	About $\frac{3}{4}$	All	Not Stated
Rarotonga	1	-	-	-	1	-	-	-
Manihiki	34	6	4	4	5	2	4	9
Rakahanga	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-
<b>COOK ISLANDS</b>	35	6	4	4	6	2	4	9

Table 6.14 Number of Pearl Farm Operation, by Source of Loans and by Location of Household

Location of Household	Total Number of Pearl Farms	Total Number of Pearl Farms With No Loans	Number of Pearl Farm Operations With Loan by		
			Bank of Cook Islands	Other commercial bank	Not Stated
Rarotonga	1	-	-	1	-
Manihiki	34	22	5	-	7
Rakahanga	-	-	-	-	-
Penrhyn	-	-	-	-	-
<b>COOK ISLANDS</b>	35	22	5	1	7



## SET 7: CENSUS OF POPULATION AND DWELLINGS 2011

Table 4.11T	- Resident Population Aged 15 Years and Over Engaged in Unpaid Work by Usual Residence - Both Sexes
Table 4.11M	- Resident Population Aged 15 Years and Over Engaged in Unpaid Work by Usual Residence - Male
Table 4.11F	- Resident Population Aged 15 Years and Over Engaged in Unpaid Work by Usual Residence - Female
Table 4.12	- Resident Population Aged 15 Years and Over Engaged in Unpaid Work by Age Group
Table 8.9	- Number of Households by Level of Agricultural Activity and Types of Crops Grown by Usual Residence
Table 8.10	- Number of Households Using Coconuts for Human Consumption, Livestock Feed and Other Uses by Usual Residence
Table 8.11	- Number of Households by Level of Fishing Activity and Location of Fishing Activity: Number of Households Engaged in Pearl Farming by Usual Residence
Table 8.12	- Numbers of Farm Equipment Owned by Households by Types of Equipment and Usual Residence
Table 8.13	- Numbers of Fishing Equipment Owned by Households by Types of Equipment and Usual Residence

Table 4.11-Resident Population aged 15 years and over engaged in Unpaid Work by Usual Residence - Both Sex

Location	Total Resident Population Aged 15 Years and Over	Unpaid Work							
		Looking after children	Housework	Handicraft making	Gardening	Tending the livestock	Fishing	Sewing	Other
<b>RAROTONGA</b>	<b>7703</b>	<b>3,527</b>	<b>5,798</b>	<b>616</b>	<b>3,643</b>	<b>1,801</b>	<b>1,084</b>	<b>857</b>	<b>484</b>
Kikii-Ooa-Pue	906	432	691	64	446	209	105	94	72
Tupapa-Maraerenga	325	174	286	31	145	67	54	40	22
Takuvaine	482	234	300	53	206	105	54	65	17
Tutakimoa-Teotue	197	71	115	23	65	31	25	23	11
Avatiu-Ruatonga-Atupa	674	301	562	53	342	197	100	77	34
Nikao-Panama	1003	451	760	66	382	138	108	101	48
Ruaau-Arerenga	893	405	746	77	378	223	145	89	26
Akooa-Betela	516	284	427	60	291	170	115	91	35
Murienua	554	241	437	36	304	131	88	50	42
Titikaveka	897	386	637	55	475	188	98	102	90
Ngatangia	588	235	365	48	271	140	87	59	39
Matavera	668	313	472	50	338	202	105	66	48
<b>SOUTHERN ISLANDS</b>	<b>2254</b>	<b>1,015</b>	<b>1,522</b>	<b>393</b>	<b>1,372</b>	<b>1,139</b>	<b>1,005</b>	<b>466</b>	<b>105</b>
Aitutaki	1212	559	788	123	661	466	438	241	59
Mangata	376	178	261	111	260	245	230	77	11
Atiu	316	134	246	55	215	176	122	68	18
Mauke	221	84	141	55	154	165	133	38	7
Mitiaro	129	60	86	49	82	87	82	42	10
<b>NORTHERN ISLANDS</b>	<b>685</b>	<b>343</b>	<b>582</b>	<b>263</b>	<b>296</b>	<b>338</b>	<b>399</b>	<b>209</b>	<b>22</b>
Palmerston	35	17	34	17	18	24	25	10	2
Pukapuka	261	114	206	79	92	99	116	57	11
Nassau	38	24	38	16	30	31	24	17	-
Manihiki	167	89	141	66	61	103	115	50	5
Rakahanga	59	29	52	30	42	39	41	28	3
Penrhyn	125	70	111	55	53	42	78	47	1
<b>COOK ISLANDS</b>	<b>10642</b>	<b>4,885</b>	<b>7,902</b>	<b>1,272</b>	<b>5,311</b>	<b>3,278</b>	<b>2,488</b>	<b>1,532</b>	<b>611</b>

Table 4.11-Resident Population aged 15 years and over engaged in Unpaid Work by Usual Residence - Male

Location	Total Resident Population Aged 15 Years and Over	Unpaid Work							
		Looking after children	Housework	Handicraft making	Gardening	Tending the livestock	Fishing	Sewing	Other
<b>RAROTONGA</b>	<b>3807</b>	<b>1,360</b>	<b>2,415</b>	<b>150</b>	<b>1,934</b>	<b>1,248</b>	<b>872</b>	<b>63</b>	<b>246</b>
Kiikii-Ooa-Pue	466	176	289	17	247	164	91	9	38
Tupapa-Maraerenga	165	70	131	9	80	52	44	5	9
Takuvaine	235	81	129	10	106	73	47	5	11
Tutakimoo-Teotue	96	26	49	4	36	20	22	1	2
Avatiu-Ruatonga-Atupa	329	107	239	17	185	132	81	7	13
Nikao-Panama	484	169	308	12	193	96	96	4	34
Ruaau-Arerenga	448	155	317	15	200	155	108	2	14
Akooa-Betela	252	113	177	18	146	108	77	16	18
Murienua	277	99	188	9	166	88	71	3	23
Titikaveka	429	150	249	13	250	129	79	3	38
Ngatangia	295	91	156	14	142	97	69	3	19
Matavera	331	123	183	12	183	134	87	5	27
<b>SOUTHERN ISLANDS</b>	<b>1098</b>	<b>346</b>	<b>573</b>	<b>58</b>	<b>686</b>	<b>695</b>	<b>663</b>	<b>19</b>	<b>57</b>
Aitutaki	584	205	304	25	344	293	319	11	30
Mangaia	182	53	94	9	131	143	123	1	5
Atiu	154	41	94	7	94	112	87	3	12
Mauke	108	27	51	8	73	93	81	3	4
Mitiaro	70	20	30	9	44	54	53	1	6
<b>NORTHERN ISLANDS</b>	<b>365</b>	<b>120</b>	<b>287</b>	<b>80</b>	<b>140</b>	<b>225</b>	<b>307</b>	<b>12</b>	<b>15</b>
Palmerston	17	5	16	4	9	12	16	-	1
Pukapuka	137	31	97	33	35	76	104	3	7
Nassau	18	10	18	2	14	16	18	-	-
Manihiki	92	36	69	18	31	66	82	3	4
Rakahanga	32	12	27	8	24	22	27	4	2
Penrhyn	69	26	60	15	27	33	60	2	1
<b>COOK ISLANDS</b>	<b>5270</b>	<b>1,826</b>	<b>3,275</b>	<b>288</b>	<b>2,760</b>	<b>2,168</b>	<b>1,842</b>	<b>94</b>	<b>318</b>

Table 4.11-Resident Population aged 15 years and over engaged in Unpaid Work by Usual Residence - Female

Location	Total Resident Population Aged 15 Years and Over	Unpaid Work							
		Looking after children	Housework	Handicraft making	Gardening	Tending the livestock	Fishing	Sewing	Other
<b>RAROTONGA</b>	<b>3896</b>	<b>2,167</b>	<b>3,383</b>	<b>466</b>	<b>1,709</b>	<b>553</b>	<b>212</b>	<b>794</b>	<b>238</b>
Kiikii-Ooa-Pue	440	256	402	47	199	45	14	85	34
Tupapa-Maraerenga	160	104	155	22	65	15	10	35	13
Takuvaine	247	153	171	43	100	32	7	60	6
Tutakimoa-Teotue	101	45	66	19	29	11	3	22	9
Avatiu-Ruatonga-Atupa	345	194	323	36	157	65	19	70	21
Nikao-Panama	519	282	452	54	189	42	12	97	14
Ruaau-Arerenga	445	250	429	62	178	68	37	87	12
Akaoa-Betela	264	171	250	42	145	62	38	75	17
Murienua	277	142	249	27	138	43	17	47	19
Titikaveka	468	236	388	42	225	59	19	99	52
Ngatangia	293	144	209	34	129	43	18	56	20
Matavera	337	190	289	38	155	68	18	61	21
<b>SOUTHERN ISLANDS</b>	<b>1156</b>	<b>669</b>	<b>949</b>	<b>335</b>	<b>686</b>	<b>444</b>	<b>342</b>	<b>447</b>	<b>48</b>
Aitutaki	628	354	484	98	317	173	119	230	29
Mangaia	194	125	167	102	129	102	107	76	6
Atiu	162	93	152	48	121	64	35	65	6
Mauke	113	57	90	47	81	72	52	35	3
Mitiaro	59	40	56	40	38	33	29	41	4
<b>NORTHERN ISLANDS</b>	<b>320</b>	<b>223</b>	<b>295</b>	<b>183</b>	<b>156</b>	<b>113</b>	<b>92</b>	<b>197</b>	<b>7</b>
Palmerston	18	12	18	13	9	12	9	10	1
Pukapuka	124	83	109	46	57	23	12	54	4
Nassau	20	14	20	14	16	15	6	17	-
Manihiki	75	53	72	48	30	37	33	47	1
Rakahanga	27	17	25	22	18	17	14	24	1
Penrhyn	56	44	51	40	26	9	18	45	-
<b>COOK ISLANDS</b>	<b>5372</b>	<b>3,059</b>	<b>4,627</b>	<b>984</b>	<b>2,551</b>	<b>1,110</b>	<b>646</b>	<b>1,438</b>	<b>293</b>

Table 4.12-Resident Population aged 15 years and over engaged in Unpaid Work by Age Group

Age Group	Total Resident Population Aged 15 Years and Over	Unpaid Work							
		Looking after children	Housework	Handicraft making	Gardening	Tending the livestock	Fishing	Sewing	Other
<b>BOTH SEXES</b>									
<b>Total</b>	<b>10642</b>	<b>4,885</b>	<b>7,902</b>	<b>1,272</b>	<b>5,311</b>	<b>3,278</b>	<b>2,488</b>	<b>1,532</b>	<b>611</b>
15-19	916	417	926	75	447	406	255	52	54
20-24	745	436	768	87	368	274	225	71	40
25-29	727	512	714	90	380	234	219	90	50
30-34	672	517	659	92	369	231	205	95	39
35-39	750	625	776	120	529	304	266	146	49
40-44	784	626	814	142	596	369	305	180	68
45-49	749	527	780	168	585	392	323	175	76
50-54	602	367	616	108	442	284	234	162	51
55-59	485	274	509	104	427	231	165	148	43
60-64	397	211	426	84	378	203	133	115	37
65-69	336	163	339	76	323	151	91	113	32
70-74	278	130	293	64	249	111	45	98	25
75-79	163	56	161	40	133	64	15	55	26
> 79	99	24	121	22	85	24	7	32	21
<b>MALE</b>									
<b>Total</b>	<b>5270</b>	<b>1,826</b>	<b>3,275</b>	<b>288</b>	<b>2,760</b>	<b>2,168</b>	<b>1,842</b>	<b>94</b>	<b>318</b>
15-19	484	127	426	19	285	295	202	6	27
20-24	365	165	327	32	216	198	181	10	24
25-29	345	186	290	24	209	149	162	8	26
30-34	309	186	262	32	178	142	149	9	21
35-39	351	238	310	25	256	174	180	9	19
40-44	387	255	328	41	292	238	229	17	32
45-49	366	217	335	36	316	259	238	12	36
50-54	311	146	257	20	228	184	170	7	34
55-59	246	102	219	18	211	158	119	7	21
60-64	213	82	186	18	198	143	102	4	19
65-69	172	56	129	10	148	98	63	2	18
70-74	139	42	108	6	121	73	33	1	16
75-79	77	19	56	5	62	40	10	1	14
> 79	42	5	42	2	40	17	4	1	11
<b>FEMALE</b>									
<b>Total</b>	<b>5372</b>	<b>3,059</b>	<b>4,627</b>	<b>984</b>	<b>2,551</b>	<b>1,110</b>	<b>646</b>	<b>1,438</b>	<b>293</b>
15-19	432	290	500	56	162	111	53	46	27
20-24	380	271	441	55	152	76	44	61	16
25-29	382	326	424	66	171	85	57	82	24
30-34	363	331	397	60	191	89	56	86	18
35-39	399	387	466	95	273	130	86	137	30
40-44	397	371	486	101	304	131	76	163	36
45-49	383	310	445	132	269	133	85	163	40
50-54	291	221	359	88	214	100	64	155	17
55-59	239	172	290	86	216	73	46	141	22
60-64	184	129	240	66	180	60	31	111	18
65-69	164	107	210	66	175	53	28	111	14
70-74	139	88	185	58	128	38	12	97	9
75-79	86	37	105	35	71	24	5	54	12
> 79	57	19	79	20	45	7	3	31	10

Table 8.9 - Number of Households, Engaged in Agricultural Activity

Location of Household	Total Number of Households	Level of Agricultural Activity				Sale of crops exceeding \$1000	Households growing Crops			
		Non-Agricultural	Subsistence Only	Subsistence and Commercial	Commercial Producers		Vegetables, Spices, Herbs	Fruit and Tree Crops	Flowers	Other
<b>RAROTONGA</b>	<b>3,154</b>	<b>1,056</b>	<b>1,860</b>	<b>215</b>	<b>23</b>	<b>94</b>	<b>881</b>	<b>1,325</b>	<b>1,094</b>	<b>43</b>
Kiikii-Ooa-Pue	374	138	210	22	4	8	94	157	127	2
Tupapa-Maraerenga	120	48	65	7	-	2	19	50	37	3
Takuvaine	187	57	118	12	-	7	54	78	73	7
Tutakimoa-Teotue	76	24	46	4	2	1	13	31	22	2
Avatiu-Ruatonga-Atupa	266	86	166	14	-	4	56	126	97	2
Nikao-Panama	413	152	243	17	1	10	89	181	128	9
Ruaau-Aterenga	376	163	195	17	1	6	108	135	125	1
Akaoa-Betela	217	64	129	17	7	5	59	88	75	-
Murienua	220	63	131	23	3	12	83	76	68	8
Titikaveka	377	124	211	40	2	15	132	148	131	4
Ngatangia	257	76	167	12	2	5	84	121	98	3
Matavera	271	61	179	30	1	19	90	134	113	2
<b>SOUTHERN ISLANDS</b>	<b>939</b>	<b>152</b>	<b>638</b>	<b>141</b>	<b>8</b>	<b>52</b>	<b>340</b>	<b>431</b>	<b>341</b>	<b>83</b>
Aitutaki	482	96	312	67	7	22	180	194	171	39
Mangala	170	21	129	20	-	9	26	76	45	-
Atiu	137	13	90	33	1	13	52	79	50	8
Mauke	92	12	61	19	-	7	45	50	50	36
Mitiaro	58	10	46	2	-	1	37	32	25	-
<b>NORTHERN ISLANDS</b>	<b>279</b>	<b>38</b>	<b>238</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>123</b>	<b>126</b>	<b>89</b>	<b>1</b>
Palmerston	13	1	10	2	-	-	11	5	5	-
Pukapuka	101	10	91	-	-	-	30	54	46	-
Nassau	13	-	13	-	-	-	11	5	5	-
Manihiki	78	11	67	-	-	-	43	25	13	1
Rakahanga	21	3	17	1	-	-	10	17	10	-
Penrhyn	53	13	40	-	-	-	18	20	10	-
<b>COOK ISLANDS</b>	<b>4,372</b>	<b>1,246</b>	<b>2,736</b>	<b>359</b>	<b>31</b>	<b>146</b>	<b>1,344</b>	<b>1,882</b>	<b>1,524</b>	<b>127</b>

Table 8.10 - Number of Households Using Coconuts for Human Consumption and Livestock Feeds

Location of Household	Coconuts for Human Consumption			Coconuts for Livestock			Coconuts for Other Uses		
	Number of Households	Number of Coconuts	Average Household Consumption	Number of Households	Number of Coconuts	Average Livestock Consumption	Number of Households	Number of Coconuts	Average Consumption
<b>RAROTONGA</b>	<b>2,001</b>	<b>14,830</b>	<b>7</b>	<b>903</b>	<b>45,745</b>	<b>51</b>	<b>42</b>	<b>1,965</b>	<b>47</b>
Kiikii-Ooa-Pue	237	1,589	7	102	5,464	54	6	184	31
Tupapa-Maraerenga	84	433	5	29	976	34	2	20	10
Takuvaine	109	1,169	11	55	3,587	65	5	442	88
Tutakimooa-Teotue	32	410	13	14	630	45	1	6	6
Avatiu-Ruatonga-Atupa	195	1,286	7	96	4,298	45	-	-	-
Nikao-Panama	237	1,766	7	81	3,255	40	3	103	34
Ruaau-Arerenga	234	1,945	8	115	7,277	63	3	45	15
Akooa-Betela	143	837	6	76	3,592	47	1	60	60
Murienua	143	1,016	7	68	3,346	49	5	84	17
Titikaveka	247	2,167	9	99	4,729	48	8	855	107
Ngatangia	154	1,029	7	62	2,292	37	6	106	18
Matavera	186	1,183	6	106	6,299	59	2	60	30
<b>OTHER SOUTHERN ISLA</b>	<b>710</b>	<b>7,178</b>	<b>10</b>	<b>538</b>	<b>53,506</b>	<b>99</b>	<b>46</b>	<b>2,839</b>	<b>62</b>
Aitutaki	322	4,485	14	203	11,814	58	17	232	14
Mangaia	131	1,183	9	120	17,421	145	3	174	58
Atiu	121	673	6	100	15,057	151	11	735	67
Mauke	83	577	7	72	5,778	80	5	376	75
Mitiaro	53	260	5	43	3,436	80	10	1,322	132
<b>NORTHERN ISLANDS</b>	<b>236</b>	<b>6,453</b>	<b>27</b>	<b>204</b>	<b>24,176</b>	<b>119</b>	<b>29</b>	<b>843</b>	<b>29</b>
Palmerston	12	365	30	11	1,176	107	3	13	4
Pukapuka	80	2,933	37	74	6,721	91	-	-	-
Nassau	13	740	57	13	1,335	103	9	51	6
Manihiki	68	1,663	24	57	6,794	119	13	715	55
Rakahanga	18	236	13	14	3,684	263	2	60	30
Penrhyn	45	516	11	35	4,466	128	2	4	2
<b>COOK ISLANDS</b>	<b>2,947</b>	<b>28,461</b>	<b>10</b>	<b>1,645</b>	<b>123,427</b>	<b>75</b>	<b>117</b>	<b>5,647</b>	<b>48</b>

Table 8.11 - Number of Households Engaged in Fishing Activity

Location of Household	Number of Households	Level of Fishing Activity			Location of Fishing Activity			Households Engaged in Pearl Farming	
		Non-Fishing	Subsistence Only	Subsistence and Commercial	Commercial	Both in and outside reef or lagoon			
						Inside reef or lagoon	Outside reef or ocean		
<b>RAROTONGA</b>	<b>3,154</b>	<b>2,203</b>	<b>852</b>	<b>27</b>	<b>72</b>	<b>607</b>	<b>88</b>	<b>256</b>	<b>17</b>
Kiikii-Ooa-Pue	374	278	85	3	8	56	9	31	-
Tupapa-Maraerenga	120	81	35	-	4	26	2	11	1
Takuvaine	187	128	52	2	5	34	3	22	-
Tutakimoa-Teotue	76	53	18	1	4	12	1	10	2
Avatiu-Ruatonga-Atupa	266	177	84	-	5	53	5	31	3
Nikao-Panama	413	320	77	5	11	35	22	36	6
Ruaau-Arerenga	376	258	115	-	3	90	5	23	-
Akaooa-Betela	217	145	58	8	6	57	4	11	-
Murienua	220	146	69	-	5	59	5	10	1
Titikaveka	377	282	85	4	6	65	11	19	1
Ngatangia	257	166	81	1	9	58	10	23	1
Matavera	271	169	93	3	6	62	11	29	2
<b>SOUTHERN ISLANDS</b>	<b>939</b>	<b>278</b>	<b>561</b>	<b>9</b>	<b>91</b>	<b>375</b>	<b>23</b>	<b>263</b>	<b>-</b>
Aitutaki	482	175	246	9	52	186	9	112	-
Mangaia	170	30	127	-	13	76	9	55	-
Atiu	137	45	77	-	15	65	3	24	-
Mauke	92	19	65	-	8	26	2	45	-
Mitiaro	58	9	46	-	3	22	-	27	-
<b>NORTHERN ISLANDS</b>	<b>279</b>	<b>36</b>	<b>236</b>	<b>-</b>	<b>7</b>	<b>49</b>	<b>3</b>	<b>191</b>	<b>42</b>
Palmerston	13	2	6	-	5	3	-	8	-
Pukapuka	101	13	88	-	-	11	3	74	-
Nassau	13	-	13	-	-	1	-	12	-
Manihiki	78	8	70	-	-	20	-	50	38
Rakahanga	21	3	18	-	-	10	-	8	3
Penthyh	53	10	41	-	2	4	-	39	1
<b>COOK ISLANDS</b>	<b>4,372</b>	<b>2,517</b>	<b>1,649</b>	<b>36</b>	<b>170</b>	<b>1,031</b>	<b>114</b>	<b>710</b>	<b>59</b>

Table 8.12 - Number of Fishing Equipment owned by the Household

Location of Dwelling	Fishing Equipment						
	Speargun	Fishing Rod imported	Fishing Net	Scuba (full set)	Canoe	Boat	Outboard Motor
<b>RAROTONGA</b>	<b>635</b>	<b>1,317</b>	<b>565</b>	<b>109</b>	<b>126</b>	<b>162</b>	<b>154</b>
Kiikii-Ooa-Pue	79	215	47	15	21	19	25
Tupapa-Maraerenga	22	63	32	2	1	8	6
Takuvaine	35	107	44	3	4	11	8
Tutakimooa-Teotue	15	31	11	5	5	12	10
Avatiu-Ruatonga-Atupa	41	134	49	10	4	13	10
Nikao-Panama	77	155	45	15	6	27	24
Ruaau-Arerenga	69	99	66	12	4	9	10
Akaooa-Betela	36	107	45	1	7	3	3
Murienua	55	65	41	10	6	8	6
Titikaveka	79	135	77	15	28	18	15
Ngatangia	65	100	67	9	30	17	19
Matavera	62	106	41	12	10	17	18
<b>SOUTHERN ISLANDS</b>	<b>447</b>	<b>1,182</b>	<b>638</b>	<b>50</b>	<b>162</b>	<b>197</b>	<b>217</b>
Aitutaki	267	596	338	40	61	157	140
Mangaia	82	219	148	1	11	9	18
Atiu	37	190	81	5	13	10	10
Mauke	37	122	45	2	40	18	24
Mitiaro	24	55	26	2	37	3	25
<b>NORTHERN ISLANDS</b>	<b>285</b>	<b>354</b>	<b>395</b>	<b>88</b>	<b>33</b>	<b>234</b>	<b>244</b>
Palmerston	7	28	19	-	1	12	15
Pukapuka	59	136	139	6	15	55	60
Nassau	8	24	38	-	7	5	3
Manihiki	116	88	130	67	7	83	92
Rakahanga	15	15	19	1	1	11	12
Penrhyn	80	63	50	14	2	68	62
<b>COOK ISLANDS</b>	<b>1,367</b>	<b>2,853</b>	<b>1,598</b>	<b>247</b>	<b>321</b>	<b>593</b>	<b>615</b>

Table 8.13 - Number of Farm Equipments owned by the Household

Location of Dwelling	Farm Equipment														
	Tractor	Rotary Hoe	Mist Blower	Grass Cutter	Motor Mower	Disc harrow	Plough	Roto vator	Slasher	Tyne	Ripper	Chain saw	Knap sack	Water pump	Other
<b>RAROTONGA</b>	171	179	145	2,150	1,742	67	100	29	120	27	58	983	926	525	33
Kiiki-Ooa-Pue	14	25	13	269	208	5	5	1	15	-	3	107	107	72	6
Tupapa-Maraerenga	1	2	3	81	45	1	1	-	2	-	1	28	28	4	1
Takuvaine	3	6	5	131	82	-	-	-	-	-	-	49	41	20	-
Tutakimoo-Teotue	-	3	3	45	24	-	-	-	4	-	-	23	11	7	-
Avetiu-Ruatonga-Atupa	3	8	15	197	126	-	1	-	3	-	2	80	65	60	1
Nikao-Panama	14	12	12	279	234	7	6	3	15	1	5	118	95	109	4
Ruaau-Arerenga	22	24	15	249	193	7	14	1	13	2	3	98	83	112	6
Akaooa-Betela	15	20	9	175	134	9	10	3	10	5	6	95	76	44	3
Murienua	22	10	12	137	131	8	12	2	11	3	3	62	58	19	1
Titikaveka	41	38	30	244	256	16	27	11	27	3	17	144	175	37	7
Ngatangia	18	11	12	168	147	6	9	3	8	5	6	92	82	21	1
Matavera	18	20	16	175	162	8	15	5	12	8	12	87	105	20	3
<b>SOUTHERN ISLANDS</b>	50	33	21	641	620	25	26	3	31	5	10	490	442	174	9
Aitutaki	41	18	8	305	396	20	18	2	23	4	7	219	216	96	4
Mangaia	3	6	6	125	54	2	3	-	2	1	2	92	134	16	2
Atiu	3	5	6	103	100	2	3	1	4	-	1	85	59	50	1
Mauke	2	4	1	74	47	1	2	-	2	-	-	59	22	7	-
Mitaro	1	-	-	34	23	-	-	-	-	-	-	35	11	5	2
<b>NORTHERN ISLANDS</b>	3	-	1	61	3	-	-	-	-	-	-	86	11	63	7
Palmerston	-	-	-	-	-	-	-	-	-	-	-	6	-	2	7
Pukapuka	-	-	-	4	-	-	-	-	-	-	-	36	2	27	-
Nassau	-	-	-	2	1	-	-	-	-	-	-	3	1	-	-
Manihiki	3	-	1	42	-	-	-	-	-	-	-	21	4	26	-
Rakahanga	-	-	-	2	-	-	-	-	-	-	-	2	-	-	-
Penrhyn	-	-	-	11	2	-	-	-	-	-	-	18	4	8	-
<b>COOK ISLANDS</b>	224	212	167	2,852	2,365	92	126	32	151	32	68	1,559	1,379	762	49

# ANNEX 1

## Sample Questionnaires

Five questionnaires were used to capture the information pertaining to agricultural, fishing, and pearl farming activities of the household.

**Household Form:** This was completed for all households covered in the enumeration to determine the involvement of the household in agricultural and fishing, or pearl farming activities.

**SECTION VII - Other Relevant Questions**

1. Do you use traditional methods for food storage?  Yes - fill our details below  NO

Food	Method used	How was this method learnt?
	<input type="checkbox"/>	

Codes for methods used: 1. Buried underground 2. Salted/dried 3. Other

2. Do you use traditional knowledge for planting? e.g. arapo  Yes - fill our details below  NO

Crops	How was this method learnt?

3. When travelling overseas, do you take locally grown food with you? e.g taro or rukau/crafts/pearls  Yes - fill our details below  NO

Food/Crafts/Pearls taken	Weight (Kgs)	Number of packages

4. Water usage: What type of irrigation methods did you use for crop production in the last 12 months?

Water use	Yes	No	Hours of use per day	Capacity (ltrs)
Drip tape irrigation	<input type="checkbox"/>	<input type="checkbox"/>		
Sprinkler system	<input type="checkbox"/>	<input type="checkbox"/>		
Water tank	<input type="checkbox"/>	<input type="checkbox"/>		
Water holes (Vaa'arua vai)	<input type="checkbox"/>	<input type="checkbox"/>		
Other, specify	<input type="checkbox"/>	<input type="checkbox"/>		

### COOK ISLANDS CENSUS OF AGRICULTURE & FISHERIES 2011

**Collection Authority**  
This Census is taken under the authority of the Statistics Act 1966. Your cooperation is sought in completing this form.

**Confidentiality**  
Under the Statistics Act 1966, the Statistics Office must not release any information you provide in a way which would enable an individual's or household's data to be identified.

*For help on the Census feel free to ring our Office on 29511 or contact your Enumerator or the District Supervisor*

**How to write your answers:**

- use a *black* pen only
- mark the mark box like this:
- if you make a mistake in mark box, do this: (shade completely)
- mark the text box like this: 1 5
- if you make a mistake in text box, do this: (cross it out like this) 1 5
- Print answers in CAPITAL LETTERS like this:

A	V	A	A	V	A	R	O	A
M	A	U	K	E				

- Please answer all the questions unless the form asks you not to.

### HOUSEHOLD FORM

**GEOGRAPHIC IDENTIFICATION**

CD  HEAD OF HOUSEHOLD:

EA  ENUMERATOR:

DN  DATE:  /  /

**SECTION I - LEVELS OF AGRICULTURAL ACTIVITY OF THE HOUSEHOLD (DURING THE LAST 12 MONTHS)**

1. Did you or any member of your household grow garden crops, coconut trees, pawpaw trees, or other tree crops during the last 12 months?  
 Yes  No → GO TO Livestock form and Fisheries form and end interview

2. Did you have more than 64m<sup>2</sup> (8M x 8M) of land under garden crops or coconut trees or pawpaw trees or other tree crops during the last 12 months?  
 Yes  No → GO TO section III Crops currently growing and continue to end.

3. Did you produce or sell any vegetables or fruit crops or other agricultural produce primarily for sale/export during the last 12 months?  
 Yes  No → GO TO section 11 List holding; and continue to end.

**SECTION II - LIST OF AGRICULTURAL HOLDINGS** (That the household was engaged in during the last 12 MONTHS)

List the different agricultural holdings that the household is engaged in. (Sole operation, family or other group operation - each combination forms a different holding. Check for parcels adjacent to the house, fallow land and parcels with abandoned crops)

Holding Number	Name(s) of operators	Total Area (insert code)	Number of separate parcels	Location (District)
1	2	3	4	5
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Code for total area (acres): 1. less than 1/4 2. 1/4-1/2 3. 1/2-1 4. 1-2 5. 2-3 6. 3-4 7. 4-5 8. >5

**SECTION III - CROPS CURRENTLY GROWING AND / OR HARVESTED**

List the crops currently growing and / or harvested during the last 12 months by type. Estimate the area of each crop in square meters (m2) or the number of trees / plants.

Name of Crops currently growing	Total Area (in Acres)	Number of Plants / trees	Name of Crops planted and / or Harvested	Total Area (in Acres)	Number of Trees / plants
1	2	3	4	5	6
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Code for total area (acres): 1. less than 1/4 2. 1/4-1/2 3. 1/2-1 4. 1-2 5. 2-3 6. 3-4 7. 4-5 8. >5

**SECTION IV - PROPORTION OF HOUSEHOLD INCOME FROM AGRICULTURE**

1. What was the proportion of your households total income (in kind or cash) usually derived from agricultural activities during the last 12 months? (Note that "in kind" means agricultural products that were produced and consumed by the household for the last 12 months or maybe, the wages received in terms of agricultural products by any member employed in own household or other households holding. Indicate below which proportion.

1. About 1/4  2. About 1/3  3. About 1/2  4. About 3/4  5. All  6. None

**SECTION V - LOANS BY HOUSEHOLD FOR AGRICULTURE PURPOSES** (during the last five years)

1. Did you obtain any loan for your households agricultural activities?  
 Yes  No
2. What was your main source of loan that you used for your households agricultural activities?  
 Bank of Cook Islands  Other Commercial bank  Small Business loan  Other Sources

**SECTION VI - FERTILIZERS, AGRICULTURAL CHEMICALS, IMPROVED VARIETIES AND SELECTED AGRICULTURAL ACTIVITIES** (during the last 12 months)

1. Did you or your household use/apply any of the following on any of the crops grown?

	YES	NO	Quantity Used	Unit
a) Inorganic fertilizers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Kgs
b) Organic fertilizers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Kgs
c) Compost & animal manure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Kgs
d) Agricultural chemicals i.e herbicides/Weedicides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Litres or Kgs
			<input type="checkbox"/>	Litres or Kgs
			<input type="checkbox"/>	Litres or Kgs

2. Did you or your household use improved varieties?

Improved varieties	From where?
<input type="checkbox"/>	<input type="checkbox"/>

From where code: 1. Ministry of Agriculture 2. Private sector 3. Personal

3. Did you or your household engage in any of the following selected agricultural activities? (indicate with a cross your answer)
- |   | YES                      | NO                       |
|---|--------------------------|--------------------------|
| a) Bee keeping for honey production                       | <input type="checkbox"/> | <input type="checkbox"/> |
| b) Hydroponics crop production? (if yes use holding form) | <input type="checkbox"/> | <input type="checkbox"/> |
| c) Floriculture (if yes use holding form)                 | <input type="checkbox"/> | <input type="checkbox"/> |
| d) Handicrafts e.g. carving, basket making etc            | <input type="checkbox"/> | <input type="checkbox"/> |









## ANNEX 2

### CROP INFORMATION

The following table lists all crops identified separately in the census. Crops were categorized by type (root, fruit, vegetable, herb/spice, ornamental/flowers, timber, and rare fruit/nut). Crop density based on current standard spacing as recommended by the Ministry of Agriculture is provided in the last two columns.

Code	Name, crop	Name, type/other	Name(s), maori	Name, botanical	Area/Plant	Plants/acre
					(m <sup>2</sup> )	2011
<b>ROOT CROPS</b>						
1	Cassava		Maniota	<i>Manihot esculenta</i>	0.4	10118
2	Cocoyam/ Xanthosoma		Tarua/Tarotarua	<i>Xanthosoma sagittifolium</i>	0.7	5781
3	Taro	Taro, dryland	Taro maro	<i>Colocasia esculenta</i>	0.6	6745
4	Taro	Taro, wet/flooded	Taro vai	<i>Colocasia esculenta</i>	0.25	16188
5	Taro	Taro, wet/raised	Taro pai	<i>Colocasia esculenta</i>	0.25	16188
6	Giant Taro		Kape	<i>Alocasia macchiza</i>	1.5	2698
7	Giant Swamp Taro		Puraka	<i>Cyrtosperma merkusii</i>	2.25	1799
8	Ginger			<i>Zingiber officinale</i>	0.3	13490
9	Potato	Potato, Irish	Pitete	<i>Solanum tuberosum</i>	0.25	16188
10	Sweet Potato		Kumara/Kuara	<i>Ipomoea batatas</i>	0.25	16188
11	Tumeric		Renga	<i>Curcuma domestica</i>	0.3	13490
12	Yam	African yam	U'i apirika	<i>Dioscorea rotundata</i>	0.6	6745
13	Yam	Pacific yam	U'i tamoe	<i>Dioscorea nummularia</i>	4	1012
14	Yam	Sweet yam	U'i venevene	<i>Dioscorea esculenta</i>	0.6	6745
15	Yam	Winged Yam	U'i toka/U'i parai	<i>Dioscorea alata</i>	0.6	6745
<b>FRUIT/TREE CROPS</b>						
16	Avocado	Avocado	Apuka	<i>Persea americana</i>	90	45
17	Banana	Cavendish	Amoa/Kina	<i>Musa spp.</i>	6	675
18	Banana	Ladyfinger	Mario/Tiki	<i>Musa spp.</i>	6	675
19	Banana/ Plantain	Cooking	Tarua/Tarotarua/ Mangaro/ Maori/Utu	<i>Musa spp.</i>	8	506
20	Breadfruit	Breadfruit	Kuru	<i>Artocarpus altilis</i>	100	40
21	Carambola	Starfruit	Raparapa	<i>Averrhoa carambola</i>	36	112
22	Cashewnut			<i>Anacardium occidentale</i>	49	83
23	Chestnut	Polynesian chestnut	l'i	<i>Inocarpus fagiferus</i>	100	40
24	Citrus	Grapefruit	Anani	<i>Citrus paradisi</i>	24	169
25	Citrus	Kaffir	Anani	<i>Citrus hystrix</i>	24	169
26	Citrus	Lemon	Remene	<i>Citrus limon</i>	24	169
27	Citrus	Lime	Tiporo	<i>Citrus aurantifolia</i>	24	169
28	Citrus	Mandarin	Anani papaa	<i>Citrus reticulata</i>	24	169
29	Citrus	Pummelo	Anani	<i>Citrus maxima</i>	24	169
30	Citrus	Tangerine	Anani	<i>Citrus reticulata</i>	24	169

Code	Name, crop	Name, type/other	Name(s), maori	Name, botanical	Area/Plant	Plants/acre 2011
					(m <sup>2</sup> )	
31	Citrus	Sweet orange/Navel	Anani	<i>Citrus sinensis</i>	24	169
32	Coconut		Akari/Nu/Niu	<i>Cocos nucifera</i>	24	169
33	Cocoa		Koko	<i>Theobroma cacao</i>	49	83
34	Coffee		Kaope	<i>Coffea arabica</i>	12	337
35	Custard apple	African pride	Kataraapa	<i>Annona spp.</i>	49	83
36	Custard apple	Soursop	Kataraapa	<i>Annona muricata</i>	49	83
37	Custard apple	Sweetsop	Tapotapo/ Naponapo	<i>Annona squamosa</i>	49	83
38	Granadilla	Giant granadilla	Maratini	<i>Passiflora macrocarpa</i>	6	675
39	Guava		Tuava	<i>Psidium guajava</i>	49	83
40	Ice-cream bean		Koko	<i>Inga edulis</i>	90	45
41	Jaboticaba			<i>Myrciaria cauliflora</i>	49	83
42	Jackfruit	Jackfruit	Kuru papaa	<i>Artocarpus heterophyllus</i>	90	45
43	Kava		Kava maori	<i>Piper methysticum</i>	6	675
44	Loquat		Koata	<i>Eriobotrya japonica</i>	49	83

Code	Name, crop	Name, type/other	Name(s), maori	Name, botanical	Area/Plant	Plants/ acre 2011
					(m <sup>2</sup> )	
45	Lychee/Litchi			<i>Litchi chinensis</i>	64	63
46	Macadamia			<i>Macadamia integrifolia</i>	64	63
47	Malayapple		Kaika	<i>Syzygium malaccense</i>	81	50
48	Mango		Vi	<i>Mangifera indica</i>	90	45
49	Morinda	Indian mulberry	Nono	<i>Morinda citrifolia</i>	20	202
50	Passionfruit	Passionfruit	Parapotini	<i>Passiflora edulis</i>	6	675
51	Papaw/Papaya	Papaw – solo	Nita/Vi puaka	<i>Carica papaya</i>	6	675
52	Papaw/Papaya	Papaw – other	Nita/Vi puaka	<i>Carica papaya</i>	6	675
53	Pineapple	Ripley Queen	Ara tara	<i>Ananas comosus</i>	0.16	25294
54	Pineapple	Smooth Cayenne	Ara vai'i	<i>Ananas comosus</i>	0.16	25294
55	Pineapple	Supersweet	Ara ou	<i>Ananas comosus</i>	0.16	25294
56	Pomegranate		Remuna	<i>Punica granatum</i>	20	202
57	Sapodilla			<i>Manilkara zapota</i>	30	135
58	Spondias	Hog plum	Vikavakava	<i>Spondias cytherea</i>	90	45
59	Starapple			<i>Chrysophyllum cainito</i>	90	45
60	Surinam cherry		Venevene	<i>Eugenia uniflora</i>	49	83
61	Tamarind		Tamereni	<i>Tamarindus indicus</i>	90	45
62	Tawa	Oceanic lychee	Tawa	<i>Pometia pinnata</i>	90	45
<b>VEGETABLE CROPS</b>						
63	Asparagus			<i>Asparagus officinalis</i>	1.2	3373
64	Bean	Bean, climbing	Pi potopoto	<i>Phaseolus vulgaris</i>	0.24	16863
65	Bean	Bean, dwarf	Pi potopoto	<i>Phaseolus vulgaris</i>	0.24	16863
66	Bean	Bean, snake	Pi roroa	<i>Phaseolus vulgaris</i>	0.24	16863
67	Bele		Rukau viti	<i>Abelmoschus esculentus</i>	3	1349

Code	Name, crop	Name, type/other	Name(s), maori	Name, botanical	Area/Plant	Plants/acre 2011
					(m <sup>2</sup> )	
68	Broccoli			<i>Brassica oleracea var. italic</i>	0.25	16188
69	Brussels sprouts			<i>Brassica oleracea var. gemmifera</i>	0.25	16188
70	Cabbage	Cabbage, Chinese	Pinapi	<i>Brassica chinensis</i>	0.25	16188
71	Cabbage	Cabbage, head,/English	Kapati	<i>Brassica oleracea var. capitata</i>	0.25	16188
72	Capsicum	Pepper, hot	Oporo	<i>Capsicum frutescens</i>	4	1012
73	Capsicum	Pepper, sweet		<i>Capsicum annuum</i>	0.6	6745
74	Carrot			<i>Daucus carota</i>	0.015	269800
75	Cauliflower			<i>Brassica oleracea var. botrytis</i>	0.25	16188
76	Celery			<i>Apium graveolens</i>	0.16	25294
77	Choko			<i>Sechium edule</i>	0.6	6745
78	Courgette/Zucchini	Marrow		<i>Cucumis pepo</i>	0.6	6745
79	Eggplant		Uarao puakanio	<i>Solanum melongena</i>	0.9	4497
80	Kang Kong			<i>Ipomoea aquatica</i>	0.6	6745
81	Lettuce		Tarati	<i>Lactuca sativa</i>	0.24	16863
82	Melon	Honeydew/Musk	Mereni	<i>Cucumis melo</i>	1.5	2698
83	Melon	Rock	Mereni	<i>Cucumis melo</i>	1.5	2698
84	Melon	Water	Mereni	<i>Citrullus lanatus</i>	1.5	2698
85	Okra			<i>Hibiscus esculentus</i>	0.72	5621
86	Onion		Oniani	<i>Allium cepa</i>	0.02	202350
87	Parsley			<i>Petroselinum crispum</i>	0.19	21300
88	Peanut	Groundnut	Aratita	<i>Arachis hypogaea</i>	0.6	6745
89	Pumpkin	Crown	Mautini	<i>Cucurbita pepo</i>	2.4	1686

Code	Name, crop	Name, type/other	Name(s), maori	Name, botanical	Area/Plant	Plants/ acre 2011
					(m <sup>2</sup> )	
90	Pumpkin	Buttercup	Mautini	<i>Cucurbita pepo</i>	1.2	3373
91	Pumpkin	Butternut	Mautini	<i>Cucurbita pepo</i>	1.2	3373
92	Pumpkin		Mautini maori	<i>Cucurbita maxima</i>	2.4	1686
93	Radish			<i>Raphanus sativus</i>	0.015	269800
94	Rukau	Taro		<i>Colocasia esculenta</i>	0.72	5621
95	Silverbeet	Swisschard		<i>Beta vulgaris</i>	0.6	6745
96	Snowpeas	Chinese peas	Pi	<i>Pisum sativum</i>	0.24	16863
97	Spinach			<i>Basella alba</i>	0.5	8094
98	Spring onions		Oniani rau	<i>Allium cepa var. cepa</i>	0.015	269800
99	Sweet corn		Kaoni	<i>Zea mays</i>	0.72	5621
100	Tomato	Cocktail/cherry	Tomato	<i>Solanum lycopersicon</i>	0.6	6745
101	Tomato	Fresh	Tomato	<i>Solanum lycopersicon</i>	0.6	6745
<b>HERB &amp; SPICE CROPS</b>						
102	Basil		Miri kai	<i>Ocimum basilicum</i>	0.6	6745

Code	Name, crop	Name, type/other	Name(s), maori	Name, botanical	Area/Plant	Plants/acre 2011
					(m <sup>2</sup> )	
103	Cardamom			<i>Elletaria cardamomum</i>	2	2024
104	Clove			<i>Syzygium aromaticum</i>	8	506
105	Chive			<i>Allium schoenoprasum</i>	0.015	269800
106	Coriander			<i>Coriandrum sativum</i>	0.015	269800
107	Curry leaf			<i>Murraya koenigii</i>	2	2024
108	Dill		Taretare	<i>Anethum graveolens</i>	0.25	16188
109	Galangal			<i>Alpinia galangal</i>	2	2024
110	Lemongrass		Ti varani	<i>Cymbopogon citrates</i>	2	2024
111	Nutmeg			<i>Myristica fragrans</i>	30	135
112	Oregano			<i>Origanum vulgare</i>	0.3	13490
113	Rocket			<i>Hesperis matronalis</i>	0.06	67450
114	Rosemary			<i>Rosmarinus officinalis</i>	0.3	13490
115	Sage			<i>Salvia officinalis</i>	0.3	13490
116	Mint	Spearmint	Miriti	<i>Mentha spicata</i>	0.25	16188
117	Vanilla		Vanira	<i>Vanilla fragrans</i>	3	1349
118	Watercress		Toatoa	<i>Rorippa nasturtium – aquatica</i>	0.3	13490
<b>FLOWERING &amp; ORNAMENTAL PLANTS</b>						
119	Alpinia			<i>Alpinia purpurata</i>	0.36	11242
120	Anthurium			<i>Anthurium spp.</i>	2	2024
121	Heliconia			<i>Heliconia spp.</i>	2	2024
122	Orchids			<i>Orchid spp.</i>	1	4047
<b>IMPORTANT TIMBER TREES</b>						
123	Miro	Portia	Miro	<i>Thespesia populnea</i>	81	50
124	Sandalwood		Ai	<i>Santalum newcaledonicum</i>	20	202
125	Tamanu	Pacific laurel	Tamanu	<i>Callophyllum inophyllum</i>	100	40
126	Tou		Tou	<i>Cordia subcordata</i>	100	40

Code	Name, crop	Name, type/other	Name(s), maori	Name, botanical	Area/Plant	Plants/ acre 2011
					(m <sup>2</sup> )	
<b>RARE FRUIT AND NUT CROPS</b>						
127	Abiu			<i>Pouteria caimito</i>	30	135
128	Canarium	Pili nut	Mape	<i>Canarium indicum</i>	81	50
129	Canistel	Sapote		<i>Pouteria campechiana</i>	49	83
130	Chempaddek		Kuru papa'a	<i>Artocarpus integer</i>	49	83
131	Dragonfruit/Pita ya	White flesh		<i>Hylocereus undatus</i>	3	1349
132	Dragonfruit/Pita ya	Red flesh		<i>Hylocereus polyrhizus</i>	3	1349
133	Durian			<i>Durio zibenthinus</i>	81	50
134	Edible barringtonia			<i>Barringtonia edulis</i>	49	83
135	Kwaimuk			<i>Artocarpus anisophyllum</i>	30	135

Code	Name, crop	Name, type/other	Name(s), maori	Name, botanical	Area/Plant	Plants/acre 2011
					(m <sup>2</sup> )	
136	Longan			<i>Euphoria longana</i>	81	50
137	Long Kong			<i>Lansium domesticum</i>	49	83
138	Mangosteen	Mangosteen, purple		<i>Garcinia mangostana</i>	81	50
139	Mangosteen	Mangosteen, yellow		<i>Garcinia dulcis</i>	81	50
140	Matisia			<i>Matisia cordata</i>	81	50
141	Miracle fruit			<i>Synsepalum dulcificum</i>	4	1012
142	Peanut butter tree			<i>Bunchosia argentea</i>	24	169
143	Rambutan			<i>Nephelium lappaceum</i>	81	50
144	Rollinia			<i>Rollinia deliciosa</i>	81	50
145	Sapote	Sapote, pink		<i>Pouteria sapota</i>	81	50
146	Sapote	Sapote, ross		<i>Pouteria campechiana</i>	49	83
147	Santol			<i>Sandoricum koatjape</i>	64	63

## ANNEX 3

### DEFINITIONS OF TERMS & CONCEPTS

#### Household Related

**Agriculturally Active Household:** This refers to a household whose level of agricultural activity was neither subsistence only, subsistence with cash cropping or commercial producers.

**Commercial:** - The level of agricultural activity where a household's main purpose for agricultural production is to have their produce sold locally or for export.

**Household:** Based on the arrangements made by persons, individually or in groups, for providing themselves with food or other essentials for living, a household may be either

- A one person household, that is, a person who makes provision for his or her own food or other essentials for living without combining with any other person to form part of a multi-person household; or
- A multi-person household, that is, a group of two or more persons living together who make common provision for food or other essentials for living. They may be related or unrelated persons or a combination of both. They may live in one house or in one or more than one house.

**Minor Agricultural:** The level of agricultural activity where a household has only very few crops defined as no more than 64m<sup>2</sup> (8m x 8m) of land under garden crops or no more than 10 coconut trees or any other no more than 10 bearing other tree crops.

**Operator:** The person exercising the management control over the operation of the agricultural holding. Where the holding is being operated by a single household the head of the household is in most cases the operator. A holding can also have more than one operator.

**Subsistence Only:** The level of agricultural activity where a household produces crops for own use.

**Subsistence with Cash Cropping/Semi-Subsistence:** The level of agricultural activity where a household's main purpose for agricultural production is to feed it-self but some crops or surplus crops are sold.

#### Farm Related

**Holding:** An economic unit of agricultural production under **single management** comprising all livestock kept and all land used wholly or partly for agricultural production purposes, without regard to title, legal form, size, or location. Single management may be exercised by **either** an individual or household; jointly by two or more individuals or households; by a clan or by a tribe. The holding's land may consist of one or more parcels, located in one or more separate areas or in one or more enumeration or census areas, providing the parcels share the same production means utilized by the holding, such as labour, farm buildings or machinery.

**Inorganic Fertilizers:** Manufactured mineral substances applied either directly to soil; through the leaves, or irrigation water, to supply plants/crops with the necessary nutrients. Examples include Nitrophoska Blue or Perfekt, N-P-K mixes, urea, ammonium sulphate, superphosphate, nitrosol.

**Organic Fertilizers:** Materials of organic origin, either natural or processed, that can be used as sources of plant nutrients.

**Parcel:** Any piece of land entirely surrounded by other land, water, road, forest etc. not forming part of this holding. A parcel may consist of one or more plots adjacent to each other.

**Plot:** A part or whole of a parcel on which a specific crop or crop mixture is cultivated. A plot can also be fallow land or land waiting to be planted.

**Hydroponics:** Refers to crop production in soil-less medium.

**Floriculture:** Refers to cultivation of flowering and ornamental plants including Alpinia (flowering ginger), Anthuriums, Gingers, Heliconias, and Orchids.

**Compost:** A mixture of decaying organic matter, as from leaves and manure (animal) used to improve soil structure and provide nutrients.

**Insecticides:** A chemical substance used to kill insects.

**Fungicides:** A chemical substance that inhibits or kills the growth of fungi.

**Herbicides or Weedicides:** A chemical substance used to inhibit or kill the growth of weeds.

### *Land Related*

**Crown Land:** Any land which has not been alienated from the Crown for a subsisting estate in fee simple, other than Native land. Examples of such land types include the main road, schools, hospitals, government premises, beaches, and usually inaccessible lands such as the interior of Rarotonga.

**Borrowed Land:** Land belonging to another household or person that the borrower has borrowed for use usually on a temporary basis. Terms of the agreement are between the two parties concerned, such agreements are usually verbal in nature and not legally-binding.

**Customary Land:** Alias Native land, Native Freehold land, is a land which, being vested in the Crown, is held by Natives or the descendants of Natives under the Native customs and usage in the Cook Islands. Customary land is not investigated by the land court but is being looked after and handled by the Natives.

**Freehold Leased Land:** Freehold land which is obtained through a land court contract by which one party (lessor), usually in consideration of rent, conveys land to another (lessee) for a specified time period.

**Freehold Licensed Land:** Freehold land belonging to another household or person that the borrower has borrowed for use usually on a temporary basis. Terms of the agreement are between the two parties concerned; i.e. It need not go through the land court.

**Occupation Right:** The operator has an exclusive right to use a piece of land, such right being obtained through the land court system of the Cook Islands.

**Long-occupation Right Land:** Alias vested order; that is, if any person or persons has lived on Crown or Customary land without any right for 20 years or more, such person(s) can apply to the land court for a right to occupy the same land indefinitely.

### Crop Related

**Mixed Crop:** Refers to “two or more crops” which are interplanted over a plot in a regular pattern such as rows. Sometimes there are a few scattered plantings of other crops but not considered to be part of the mixed crop.

**Single Row:** Refers to “one crop” planted over a plot in a regular pattern of “single rows”. If there are a few scattered trees or plants of different crops within the plot, the plot is still considered to be single rows.

**Double Rows:** Refers to “one crop” planted over a plot in a regular pattern of “double rows”. If there are a few scattered trees or plants of different crops within the plot, the plot is still considered to be double rows.

**Scattered Crop:** Refers to trees or plants, which have not been planted with any uniform method of spacing over a plot. Important timber trees including; Miro, Tamanu, Tou shall also be recorded.

**Tree Crops:** Trees bearing edible fruits or nuts. The economic lifespan of such trees vary significantly, at more than five years.

### Livestock Related

#### Pigs

- Weaners – Piglets separated from the sow. Their live weight is less than 24Kg.
- Growers – Pigs from 3-months after weaning. Their live weight ranging from 20-40Kg.
- Fatteners – Middle aged pigs. Their live weight ranging from 40Kg.
- Sows – Adult female pigs that has given birth at least once.
- Boars – Adult male pigs. Their live weight is over 40Kg.

#### Goat

- Buck – Adult male goat.
- Doe – Adult female goat.

#### Chicken

- Chicken (broilers) – Refers to chicken raised for meat and not for eggs.

- Chicken (layers) – Refers to chicken raised for laying eggs.
- Chicken (local) – Refers to chickens of local breed (moa kainga).

### **Cattle**

- Bulls – Adult male cattle.
- Cows – Adult female cattle.

### **Horse**

- Mare – Adult female horse.
- Stallion – Adult male horse.

### **Ducks**

- Drakes – Refers to male ducks.
- Hens – Refers to female ducks.

## **Fishing Related**

**Collecting/Gleaning Sea Products (Angota):** Method of fishing using limited equipment and gear for gathering seafood like clams (paua), sea urchins (avake/atuke), sea cucumbers (rori), turban snails (ariri), octopus, crabs etc. It is usually done in the lagoon and on the reef during low tide.

**Gill and other Net Fishing (Kupenga):** Gill nets are used to catch a number of different reef fish in a lagoon or along the reefs edge. Other netting includes scoop nets, cast nets etc.

**Vertical Long Lining (Tukutuku pouto):** A fishing method that involves setting-out a large number of short-lines carrying hooks, which are attached to a longer main line at regular intervals. The short-lines are suspended horizontally at a predetermined depth with the help of surface floats.

**Drop Lining (I'i):** Method of fishing usually done by dropping a baited hook to great depths to catch deep-sea fish such as grouper, snapper and pelagic fish like tuna, wahoo, barracuda, marlin etc.

**Hook and Line Fishing (I'i):** One of the oldest methods for catching fish. It is considered an environmentally friendly method as it catches primarily target species, and causes minimal damage to the surrounding environment.

**Trolling (Tavere):** Method of deep-sea fishing where baited or artificial hooks are trolled behind an outboard motor boat.

**Deep Bottom Fishing (I'i):** Method of fishing used in catching tuna and other pelagic fishes in large quantities.

**Spear Fishing (Titia):** Method of fishing using either a home-made spear or spear gun for catching fish among coral reefs, in the lagoon, or beyond the reef.

**Flying Fishing (Rama Maroro):** A method of fishing using a scooping net to catch maroro. This type of fishing is normally done at night.

### *Pearl Related*

**Farm Lines:** The main lines used to hang cultured black pearl oysters.

**Spat Collector Lines:** The lines used to hang spat collectors or devices used to for the collection of oyster larva.

**Seeded Shells:** These are cultured black lip pearl oysters which have a nucleus inserted into their gonads to generate black pearls.

**Virgin Shells/Unseeded Shells:** These are black lip pearl oysters which are not yet ready for nucleus insertion.

**Seeding Equipment:** These are equipment used for the insertion of the nucleus into the gonads of the black lip oysters.

**Seeding Houses:** Shelter used for black pearl seeding activities. It is also used for the cleaning of pearl shells.

### *Diving Related*

**Scuba Tanks:** These contain compressed-air and used with a breathing apparatus to assist deep-sea divers stay underwater for extended periods.

**Scuba Compressor:** Equipment used to fill the scuba tanks with compressed air.

**Hookah Dive Compressor:** The use of a small air compressor which is located at the surface, or on the boat. Air is delivered to the diver via a floating air hose.

**Motorised Boats:** Small-type boats with an engine to assist with movement on the water. Also known as “outboard motor” boats.

## ANNEX 4

### CENSUS FIELD STAFF

Twelve (12) census trainers, seventeen (17) supervisors, and ninety-one (91) enumerators were involved in the census undertaking. Trainers were selected from the Ministry of Agriculture and the Statistics Office of the Ministry of Finance and Economic Management. Most of the supervisors and enumerators on all islands were recruited from government ministries and were required to conduct the census after regular hours. William Wigmore and Moe Tutira of the Ministry of Agriculture travelled to the Northern Islands on the police patrol boat “Te Kukupa” to conduct the census in the islands of Palmerston, Nassau, Rakahanga, and Penrhyn with the assistance of recruited personnel from the respective islands. They trained the supervisors and enumerators on Pukapuka and Manihiki in the conduct of the census.

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