



Cook Islands

Census of Agriculture

1988

MAIN REPORT



COOK ISLANDS

CENSUS OF AGRICULTURE

1988

DEMOGRAPHY SECTION

6/7/90

Main Report

This report contains the main findings of the Cook Islands Census of Agriculture conducted in September 1988. For more detailed data, the user is requested to contact the two organisations below.

Ministry of Agriculture
Rarotonga

Phone: 28711

Statistics Office
Rarotonga

Phone: 29390

Published September 1989

COVER DESIGN

Digger and Rope

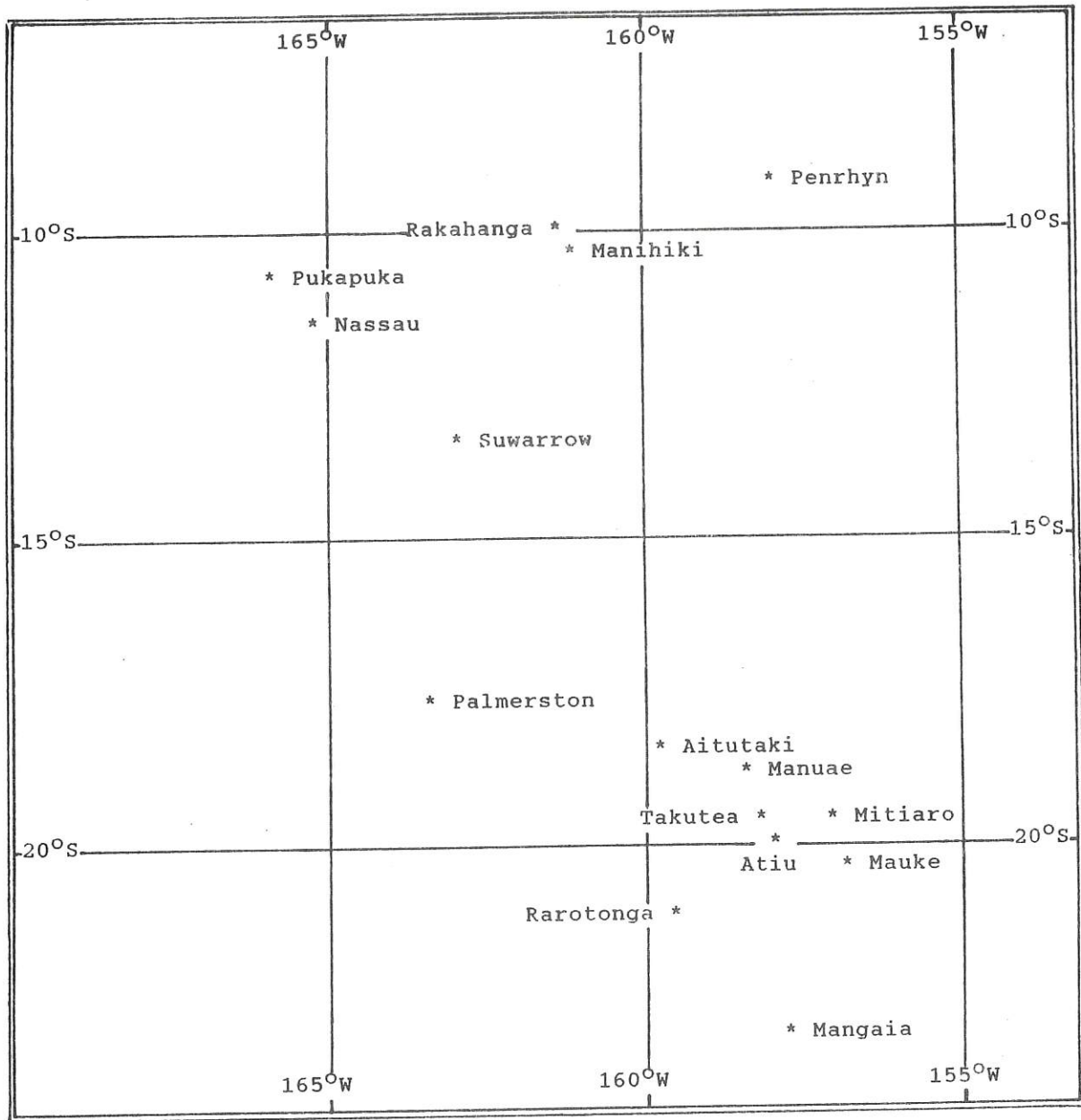
"*MOU I TE KO, MOU I TE ERE*" is a traditional phrase (believed to be of Rarotongan origin) often used amongst those working off the land. The "*KO*" (digger) is a representation of the traditional system of land cultivation. Wooden diggers (like the one depicted on our cover) were believed to have been widely used before the first missionary contact in the early nineteenth century and also for sometime thereafter (iron was obviously non-existent in that era).

Today, for ease of burden, the "*KO*" is being partly relieved by farm machinery and equipment such as tractor and plough, shovel, spade, hole digger, tyne, cultivator, rotavator and garden tools.

The "*ERE*" (rope) represents livestock keepers. It is made from the bark of the "A'u" tree (*Hibiscus Tiliusis*) and is hand-plaited for common use in teetering of pigs, goats and horses. Teetering is one way of keeping the livestock from wandering. In fact wandering livestock (particularly pigs, goats and horses) can inflict considerable damage to crops. The "*ERE*" has been, to a degree, replaced by modern rope, wire fencing, cemented housing and lately electric fencing.

The principle behind "*MOU I TE KO, MOU I TE ERE*" has obviously established itself in history by its contribution to the traditional agricultural system that has prevailed in the Cook Islands in the years gone by. There is little doubt that this piece of history has in some way helped lay the foundation of the present day system of cultivation and livestock raising throughout the Cook Islands. It is a piece of history and heritage that every Cook Islander should treasure and be proud of.

The Cook Islands



Foreword

It gives us immense pleasure to present the information contained in this report, the result of a year's dedication and interminable effort invested by all those involved in the Cook Islands Census of Agriculture 1988. It is our credence that this document, in addition to removing the contemporary agricultural statistics' data-gap, will be of consequential use to planners and others involved in the social and economic progression of this country.

The aim of our Government is for planned development in the agricultural sector so that the fruits of such are dispensed equitably amongst the farmers. To be able to do this, we need bench-mark data on which development policies can be based. To this end, we are pleased that this report addresses this need directly.

We wish to extend our sincere appreciation to the people of the Cook Islands for their willing co-operation in supplying to the Census field staff the necessary particulars for the Census. They are in fact the people who will ultimately benefit from the activities that will emerge from the findings of this undertaking.

We also wish to express our gratitude to the United Nations Development Programme (UNDP) and the Food and Agriculture Organisation of the United Nations (FAO) who provided assistance and continuous support to this project.

Finally, preeminent recognition goes to the field staff, data entry clerks and the Agricultural Census Unit staff. These are the conscientious individuals who worked professionally and tirelessly to complete this report within the twelve months succeeding the commencement of field enumeration. An exceedingly admirable achievement!

Kia manuia tatou katoatoa.



Hon. Vainé Tairea
Minister of Agriculture



Hon. Tekatiki Matapo
Minister in charge of Statistics

Preface

This Report contains results from the Cook Islands Census of Agriculture conducted during September of 1988. This is the first comprehensive agricultural census to be carried out covering all inhabited islands of the Cook Islands. A previous attempt was made in 1975, but coverage was limited to the island of Rarotonga.

The data collected in this census relates to the common agricultural activities prevalent amongst households in the Cook Islands. Information was obtained on land use, land tenure, livestock, agricultural labour and credit, machinery and equipments, household income, crop types, levels of agricultural activity, scattered fruit bearing trees, coconut consumption and the nature of holdings, parcels and plots.

The report is divided into three sections. The first section gives a brief introduction and background to the country and describes the conduct of the census in detail, ranging from census inception to definitions of terms and concepts employed throughout the undertaking. Section two is confined to an in-depth table by table analysis of the tabulations in this report of which can be found in the third section.

It is our belief that the information in this report will no doubt form a valuable foundation of reliable agricultural statistics. We hope that its existence contributes towards overcoming obstacles commonly encountered by present-day economic and social planners and forecasters.

In conclusion, we would like to extend our sincere gratitude to all the respondents who, without their co-operation, would not have made this report possible. Credit is also indisputable to all those who contributed to the enormous task of putting this report together.

May this document attain the objectives to which the Census of Agriculture initially set out to achieve.

Kia Manuia tatou katoatoa.



W. J. Hosking
Secretary of Agriculture



A. M. Turua
Government Statistician

ACKNOWLEDGEMENTS

The support and assistance of the following organisations which enabled this report to come to fruition are greatly appreciated:

Cook Islands Government

Ministry of Agriculture:
The Secretary
Agriculture Staff
Financial Support
Full-time Personnel Input

Statistics Office:
Government Statistician
Statistics Staff
Office Accommodation
Use of Facilities

National Agricultural Census Committee

United Nations Development Programme

Financial and Technical Support
Lourdes Homecillo - UNV Agricultural Statistician

Food and Agriculture Organisation

Technical Advisers:

David Marshall - Regional Agricultural Census Adviser
A.A.D.C. Yasasiri - Agricultural Census Consultant
Paul Duncombe - Data Processing Consultant

In addition to the organisations acknowledged above, special appreciation is extended to all the respondents and the following individuals. Without their dedicated indulgence, this report would not have materialised.

Agricultural Census Unit

Ngatokorua Mataio - Project Co-ordinator
Stephen Wearing - Assistant Project Co-ordinator
Andrew Turua - General Adviser
Tearoa Iorangi - Data Processing Supervisor
Moetu Tangitamaiti - Office Assistant

Field and Census Personnel

(see Annex 3 for names)

Census Supervisors
Census Enumerators
Data Processing Personnel

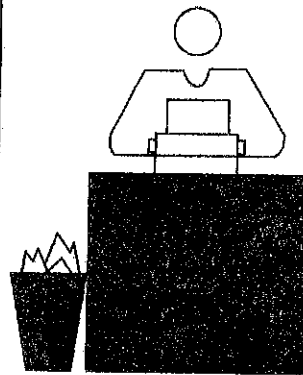
CONTENTS

	Page
FOREWORD	i
PREFACE	ii
ACKNOWLEDGEMENTS	iii
I. INTRODUCTION	1
Background	1
Objectives	2
Legal Authority	2
Confidentiality of Data	3
Inception of the Project	3
II. SCOPE AND COVERAGE	4
Household	4
Holding	4
Parcel	4
III. CENSUS ADMINISTRATION AND ORGANIZATION.....	4
Administration	4
Design of Questionnaires	5
Types of Questionnaires	6
Preparation of Instruction Manual	7
Publicity	7
Pilot Test	8
IV. CENSUS FRAME	9
V. METHODOLOGY OF ENUMERATION	9
Recruitment and Training of Census Supervisors and Enumerators.....	9
Field Enumeration	10

	Page
VI. POST ENUMERATION SURVEY	12
Objective	12
Scope	12
Methodology	12
Results	13
VII. DATA PROCESSING	14
Office Editing and Coding	15
Machine Processing	15
VIII. TABULATION PROGRAMME	16
IX. BUDGET	16
X. DEFINITION OF TERMS AND CONCEPTS.....	17
XI. SUMMARY OF THE RESULTS	21
XII. RESULTS IN DETAIL	22
LIST OF FIGURES	48
LIST OF TABLES	49
TABLES 1 TO 71	
ANNEXES:	
1. Questionnaires	
2. Crop Density	
3. Census Field Staff	

GENERAL

AGRI
INFO
HERE



I. INTRODUCTION

Background

The Cook Islands consist of a group of 15 small islands scattered over approximately 2 million square kilometers of the South Pacific Ocean located between 156 and 167 degrees west and 8 and 23 degrees south. The islands are geographically split into two groups, commonly referred to as the Northern Islands and the Southern Islands. The total land area is 237 square kilometers.

The following table presents the area and population by individual islands:

Area and Population by Island			
Island	Area Acre	Sq. Km.	Population 1986*
Rarotonga	16569	67.1	9678
Aitutaki	4519	18.3	2391
Atiu	6643	26.9	955
Mangaia	12791	51.8	1235
Mauke	4544	18.4	687
Mitiaro	5507	22.3	272
Manuae	1531	6.2	-
Takutea	321	1.3	-
Southern Islands	52425	212.3	15218
Manihiki	1333	5.4	508
Pukapuka	321	1.3	760
Nassau	321	1.3	118
Palmerston	519	2.1	66
Rakahanga	1012	4.1	283
Penrhyn	2420	9.8	496
Suvarrow	101	0.4	6
Northern Islands	6027	24.4	2237
At Sea	-	-	8
TOTAL, COOK ISLANDS	58452	236.7	17463
* Provisional figures from the 1986 Census of Population and Dwellings			

The two groups of islands making up the country portray marked differences in their agricultural activities. The Northern Islands remains relatively isolated from the Southern Islands and employment opportunities outside the agricultural sector are limited. About 88 percent of the households are engaged in agriculture, i.e. copra production and pearl shell farming (Pearl shell farming is becoming a profitable venture in the islands of Manihiki and Rakahanga).

The Southern Islands, on the other hand, presents a much more diversified agricultural industry. This group has the benefit of a cooler climate and more fertile soil enabling a wider variety of agricultural production. Regular air and sea transportation enhances export opportunities particularly to New Zealand. The main crops are banana in Aitutaki; pineapple in Atiu and Mangaia; pawpaw, citrus, taro and vegetables in Rarotonga. Coffee and vanilla are likewise being developed in Atiu, Mauke, Aitutaki and Mangaia.

Agriculture is still the main activity in the Southern Islands with the exception of Rarotonga where trade, tourism and the service-related sectors are becoming increasingly important.

For the country as a whole, agriculture and fishing is the principal productive sector of the economy, contributing an estimated 12.7 percent of the country's Gross Domestic Product (GDP) in 1986.

Objectives

The 1988 Census of Agriculture was undertaken primarily to provide current and comprehensive statistics on the agricultural activities of the Cook Islands as the basis for development planning and project formulation.

The other specific objectives of the census were as follows:

1. To provide a frame for other agricultural surveys; and
2. To obtain benchmark data for improving current crop production estimates.

Legal Authority

The Statistics Act 1966 empowers the Government Statistician to collect statistical information relating to all activities in the Cook Islands. The 1988 Census of Agriculture was conducted under this Act.

Confidentiality of Data

Section 17 of the Statistics Act 1966 provides that "the information furnished under the provisions of this Act shall be used for statistical purposes only." Information relating to an individual will not be disclosed.

Inception of the Project

The only previous attempt at a Census of Agriculture in the Cook Islands was in 1975. Although the original intention was to cover all the islands of the group, this did not eventuate and the coverage was limited to the island of Rarotonga. More than ten years later, the need for updated and comprehensive data on the agricultural sector of the Cook Islands prompted the Government to request assistance from the Food and Agricultural Organization of the United Nations (FAO) to assist and advise on the conduct of another census of agriculture.

Initial assistance was provided through the FAO's Technical Co-operation Programme (TCP) in the form of a sub-regional project designed to provide the six FAO member countries of the sub-region with assistance in their preparations for the 1990 agricultural census round (TCP/RAS/4513). The main components of the project related to training and project planning.

As part of this TCP project, an FAO Agricultural Census Adviser visited the Cook Islands in March 1987 to assess the data requirements and to draw up a detailed proposal to conduct an agricultural census. This proposal was subsequently submitted by the Government to the United Nations Development Programme (UNDP) for funding.

The project was approved in May 1988 as project CKI/87/003 - Agricultural Census. The main components of the project were the provision of the services of an UNV statistician for two years, equipment (vehicle and micro-computer system), training and the provision of two consultancies by FAO, one for census planning (two months) and one for data processing (two months).

The activities were further supported by the UNDP/FAO Sub-Regional Project RAS/86/035 - Development of Agricultural Statistics. This project, based in Apia, Western Samoa, was designed to provide technical support to twelve Pacific Island Nations (including the Cook Islands) in the field of Agricultural Statistics.

II. SCOPE AND COVERAGE

The 1988 Census of Agriculture covered all households and holdings in the Cook Islands. Excluded were all institutions.

The scope of the census included items of information regarding the following:

A. Household

1. household and holding location;
2. level of agricultural activity;
3. size and number of holdings and parcels;
4. land currently in use;
5. land not in use;
6. livestock;
7. consumption of coconuts;
8. household composition;
9. unpaid labour inputs;
10. agricultural income;
11. agricultural loans; and
12. equipment used.

B. Holding

1. Number, area, location, land tenure and current use of individual parcels;
2. Scattered plants/trees outside parcels; and
3. Paid labour inputs.

C. Parcel

1. Area of individual plots as a proportion of parcel, crops planted, current use of plots, proportion of crops for sale, age of tree crops; and
2. Crops planted and harvested during the last 12 months.

III. CENSUS ADMINISTRATION AND ORGANIZATION

Administration

To co-ordinate the various stages of conducting the Census of Agriculture, it was necessary to establish a committee known as the National Agricultural Census Committee (NACC). Membership of the committee included representatives from the Departments of Agriculture, Statistics, Planning, Justice, Survey, Foreign Affairs and the Public Service Commission.

The function of the NACC was to ensure that the prime objectives of the census were met, by providing direction and advice as required.

A Project Co-ordinator was appointed and an Agricultural Census Unit (ACU) established. Although the project was executed by the Ministry of Agriculture, a decision was taken at the start of the project's activities to physically locate the ACU at the Statistics Office and to run the project as a joint operation between the two government agencies. This arrangement worked extremely well and the project had the benefit of the support of both agencies, a major factor in the overall success of the project.

The ACU was responsible for the following:

- Finalizing the questionnaires and the Instruction Manual for enumerators;
- Testing of census questionnaires and manuals;
- Recruitment and training of field staff;
- Despatching all materials and forms required for field enumeration;
- Publicity;
- Monitoring the progress of field enumeration;
- Responding to queries from the field staff as well as from respondents;
- Making arrangements for the compensation of field staff;
- Post-enumeration Survey;
- Informing authorities on the progress of the project;
- Training of editors/coders and data entry clerks;
- Office editing/coding and verification of completed questionnaires;
- Data entry into the microcomputers;
- Manual checking, machine editing and validation of the data entered into the microcomputer;
- Generation of statistical tables;
- Review and analysis of statistical tables;
- Preparation of the census report; and
- Publication and dissemination of the census results.

Design of Questionnaires

The initial design of the questionnaires for the census was done by the FAO Agricultural Census Adviser (TCP/RAS/4513) in collaboration with the staff from the Ministry of Agriculture and the Statistics Office. All aspects of the agricultural system being practised in the Cook Islands were taken into account in the initial and subsequent stages of the questionnaire design.

The questionnaires went through several revisions until the final version was arrived at. Considerable emphasis was put on a design appropriate to the agricultural system of the Cook Islands (mixed cropping, small crop areas,

scattered trees). They were designed in a format that would provide ease in the field enumeration and data processing stages. Concepts and definitions used were those commonly understood by respondents and easily explained by enumerators. The questions and instructions for filling in the questionnaires were worded in a simple manner and arranged in a logical sequence.

Types of Questionnaires

Three types of questionnaires were used for the census, which were as follows:

1. Household Form - This was completed for all households covered in the enumeration, regardless of the level of their agricultural activity.
2. Holding Form - This form was completed only for agriculturally active households with a holding area of at least one-eighth ($1/8$) of an acre. The number of holding forms to be completed had to correspond to the number of holdings operated by the households.
3. Parcel Form - This was completed only for those households that completed a holding form. The number of parcel forms to be completed corresponded to the number of parcels, whether in use or fallow, as reported in the holding form.

The questionnaires made wide use of pre-coding to assist at the coding and data entry stages.

The three types of questionnaires were printed on different coloured paper to assist with ease of identification in the field.

There are two points of particular note in the questionnaire design. The first was the linking of the three questionnaires to ensure internal consistency of the data. This was done through such items as the number of holdings operated by the household and the area of these holdings and the number and area of the parcels of land.

The other feature of particular note was the handling of plot areas and mixed cropping. The census was designed using the interview approach. Whilst this has the advantages of being the least burdensome in terms of resource inputs, this approach suffers from inaccuracies of reporting by the respondents. In the Cook Islands it was felt that whilst respondents would have some idea of holding and parcel areas, they would have little idea of individual plot areas. To get round this problem the questionnaires were designed in such a way that the total area of the holding was first established usually by summing the individual parcel areas.

Once the individual parcel areas had been established, the individual plot areas on the parcel form were recorded in terms of proportions (fractions) of the parcel area.

Likewise when handling mixed crops, the proportion (fraction) of the land used by the individual crops in the mix was recorded to enable 'single crop equivalent areas' to be calculated. Scattered plants and trees were also separately identified.

Preparation of the Instruction Manual

The Instruction Manual was prepared for the purpose of ensuring uniform interpretation of the concepts and definitions used and to ensure standard procedures in field enumeration. It was used extensively at the training stage and also served as a reference guide for census supervisors, enumerators, editors/coders during the field enumeration and data processing.

The Instruction Manual for enumerators went through four stages of preparation. The first draft, based on the initial questionnaire design, was completed in November 1987. The second draft which was used during the training for the Northern Islands supervisors was completed in June 1988. The final draft was completed in July 1988 and used during the training of the Southern Islands supervisors and enumerators. A revised version of the final draft was completed in August 1988.

The Instruction Manual contained, amongst other things, the objectives of the census, scope and coverage, methodology of enumeration, instructions for filling in the questionnaires and control forms, concepts and definitions used, coding schemes used and the duty list for census supervisors and enumerators.

Publicity

The media used in publicizing the census were newspaper, radio broadcast, and lectures. The newspaper medium was in the form of a letter signed by the heads of the two departments undertaking the project, Mr. Hosking for Agriculture and Mr. Turua for Statistics. The letter, which was published shortly before the field work commenced, outlined in brief the objectives and scope of the census and at the same time requested the cooperation of the population towards the undertaking.

The two radio stations in Rarotonga, Cook Islands Broadcasting and Newspaper Corporation (CIBNC) and Kia Orana Country-FM (KC-FM) were also requested to get the message of the census across to the community. Important aspects of the census were announced for one week through the use of the

community programme of the Ministry of Internal Affairs on CIBNC. On radio KC-FM, a spot programme about the census was on the air for one week.

Lectures covering the census were delivered by ACU to senior students and students taking agriculture classes at Tereora and Titikaveka Colleges on Rarotonga.

Although the publicity programme was implemented over a short period of time, its effectiveness was nevertheless evidenced by the satisfactory response on the part of the respondents.

Pilot Test

A two-part pilot test was undertaken during the training of supervisors as a means of testing the effectiveness of the questionnaires. The supervisors were split into 4 groups comprising 5 persons in each group. Each group interviewed 4 full-time growers on all aspects of their farming activities in selected areas in Rarotonga. In the first pilot census, the villages selected were Matavera, Tupapa, Nikao and Arorangi. The second pilot census covered the villages of Nikao, Tupapa, Ngatangia and Arorangi.

A review and evaluation of the pilot test results called for revisions and alterations in the questionnaires as well as the approach in the manner of interviewing. It was realised that certain aspects of the questionnaires lacked sufficient definition that some questions and/or responses were not well understood. Minor changes to the structure and format of the questionnaires were then made in time for the actual field enumeration.

The time involved in the interviewing process particularly on households engaged in some form of agricultural activity was rather extensive. It was realised that the interest of the growers tended to drift away if the interview was lengthy. Some suggestions were considered as a means of getting around this problem. These included the following:

1. Using 10 years in case the grower could not recall the exact duration of the land not being used;
2. Defining terms and concepts clearly to speed up explanation;
3. Bringing back the respondents to the census subject once they start talking about other subjects;
4. Doing the coding at home or in the office rather than during the interview; and

5. Providing a good estimate in cases such as the number of trees/plants, area of parcels, etc.

IV. CENSUS FRAME

The frame used in the 1988 Census of Agriculture was the updated listing of households by Enumeration Area (EA) compiled during the 1986 Census of Population and Dwellings (CPD) of the Cook Islands. During the actual enumeration, new households were added to the list and those households no longer existing at the time of visit were deleted from the list.

Similarly, the Census of Agriculture adopted the same geographic subdivisions and coding scheme as used in the 1986 CPD. For census purposes, each of the islands are divided into Census Districts (CDs), which in turn are further subdivided into a number of EAs.

The following shows the number of CDs and EAs by island:

<u>Island</u>	<u>No. of CDs</u>	<u>No. of EAs</u>
Rarotonga	11	72
Aitutaki	4	17
Manuae	1	1
Mangaia	6	7
Atiu	5	8
Mauke	3	4
Palmerston	1	1
Mitiaro	2	2
Pukapuka	3	4
Nassau	1	1
Manihiki	2	2
Rakahanga	2	2
Penrhyn	2	3
TOTAL	43	124

V. METHODOLOGY OF ENUMERATION

Recruitment and Training of Census Supervisors and Enumerators

Twenty three (23) census supervisors and eighty-three (83) enumerators were involved in the census undertaking. In Rarotonga, a team of enumerators were specially recruited, mostly from the government sector, with the staff of the Ministry of Agriculture acting as census supervisors. In

the Northern Islands and the other islands in the Southern Islands, the extension staff of the Ministry of Agriculture were responsible for the enumeration in their respective areas.

The following shows the distribution of supervisors and enumerators by area:

	<u>Number of Supervisors</u>	<u>Number of Enumerators</u>
Rarotonga	11	53
Aitutaki	2	9
Other Southern Islands	4	15
Northern Islands	6	6
Total	<u>23</u>	<u>83</u>

Training for field enumeration was conducted at two levels. The first level, which was held in Rarotonga, was for census supervisors and lasted for three days in August 1988. Training for the Northern Islands supervisors was, however, conducted earlier in June 1988 due to transport limitation to and from these islands. The second level of training, for enumerators, also lasted for three days. At both levels, special emphasis was given to the objectives of the census, concepts and definitions used, instructions on the proper filling in of the questionnaires and forms, techniques in enumeration and the duties and responsibilities of both the supervisors and enumerators as contained in the Instruction Manual.

The training was conducted by senior members of the Ministry of Agriculture and the Statistics Office with assistance and support from the FAO Census Planning Consultant and the Chief Technical Adviser of the sub-regional project (RAS/86/035).

Field Enumeration

The enumeration period was scheduled from 1st to 30th September 1988. In some areas, however, the enumeration commenced later than the scheduled date due to delays in the distribution of the forms to the outer islands.

Enumerators were assigned to one or more EAs. Maps and Census Household Listings were provided for each EA to assist in the physical location of the households and to ensure completeness of coverage.

Visits to the households were done mostly in the late afternoons (after 4:00 pm) and/or on weekends as it was during these times that many of the respondents were available for interview.

Close supervision was exercised in the field by the census supervisors who helped minimize the possible errors during enumeration. Thus, field editing of the work of the enumerators permitted the early detection of errors where immediate action to correct them was taken.

One important form completed by the enumerators, aside from the regular census questionnaires, was the Census Household Listing and Field Sheet for each enumeration area. This was the 1988 Updated Listing of Households that contained information on the level of agricultural activity and the number of questionnaires used.

The completed questionnaires were then returned by the enumerators to the supervisors, who in turn checked the questionnaires for consistency and acceptability of the figures and correctness of the codes used. After ensuring that the questionnaires had been properly completed and all corrections and/or verifications done, the supervisors submitted all questionnaires to the ACU on an EA basis.

The field work was generally well conducted and completed on schedule. However, in a few areas the field work got delayed and was not completed until December 1988.

A large undertaking such as the Census of Agriculture will inevitably experience some difficulties and problems. However, every effort was made to anticipate likely problems and in the event no insurmountable problems were encountered.

The following briefly outlines the main problems encountered during the census:

1. Irregular transportation to effectively conduct training of staff particularly in the Northern Islands;
2. Lack of adequate use of communication facilities to enhance efficient national supervision as well as monitoring of activities;
3. Lack of understanding leading to a misinterpretation of definitions and underlying concepts due primarily to the training programme as a direct result of other collectively related problems;
4. Reluctancy of respondents to supply information for fear of it being used for purposes other than statistical;

5. Respondents' recollection of agricultural activities conducted during the 12 months prior to enumeration; and
6. Estimation of areas, number of trees/plants and the proportion of land under mixed crops.

VI. POST ENUMERATION SURVEY

Objective

The objective of the Post Enumeration Survey (PES) was to check the accuracy of the data collected during actual field enumeration. Ideally, this survey should be conducted as soon as practicable after the field enumeration to minimize structural changes over time. In the case of the Cook Islands, PES was started immediately after the field enumeration of the census but the work dragged on in a number of areas and the survey was not completed until June 1989.

Scope

The scope of the PES was restricted to selected items of information due to time and budgetary limitations. As such, the following items were covered:

1. Area of individual parcels; and
2. Number, type and proportion mix of crops currently growing in each parcel.

Since there were no actual measurements made of parcel areas during the field enumeration, objective measurements were conducted during the PES.

Methodology

The methodology of PES was as follows:

1. The islands of Rarotonga, Aitutaki, Atiu, Mauke and Mangaia were selected for the PES.
2. For Rarotonga, 4 CDs were selected where 10 holdings were randomly selected from each CD. For the other islands, 10 holdings were randomly selected from each island, regardless of CD. All 80 holdings selected for PES were from the two major agricultural levels; subsistence (level 3) and subsistence/cash (level 4).
3. Eight supervisors were selected, four were assigned in Rarotonga and one in each of the other islands. Each supervisor was assigned 10 holdings to survey, and the maximum number of parcels for each holding was set at 4.

4. Having established the boundaries for the parcel, the actual measurements for the area were taken using a compass and measuring tape.
5. The data obtained were then entered in a programmable pocket calculator to derive the area (in acres) and the error ratio for each parcel.
6. The parcels were then re-measured if the error ratio significantly exceeded 4 percent. This ratio indicated the level of inaccuracy in the field measurement.
7. In the case of fallow parcels that were not accessible, eye estimation of the area was used. This was, however, not very common.
8. The measured areas of the parcels were then compared with the area supplied by the respondents for the same parcels during the field enumeration.

Results

The PES was planned to be undertaken in October 1988 straight after the census. This would have minimized the effects of structural changes to the parcels. Due to the pressure of the census, however, PES unfortunately dragged on and was finally completed after 8 months. By this time, changes to the parcels would have occurred and this no doubt contributed to the marked differences in some of the parcels measured.

As expected, there was an over-estimation of the areas reported in the census relative to those objectively measured in PES. After disregarding those parcels whose estimated areas were unrealistically high (>150 %) - perhaps due to changes mentioned above - the findings of PES are presented in the table below.

PES Results

PES and Census Comparison of Parcel Areas (in acres)

Islands	Total Recorded Parcels	Total Sample Parcels	Area of Census Parcels	Census Sample Parcel Area	PES Sample Parcel Area	%diff. From Area Meas.
Rarotonga	2435	51	2045.6	23.77	19.60	+21
Aitutaki	1440	24	1446.4	16.50	14.09	+17
Atiu	599	7	797.5	4.50	3.70	+22
Mauke	405	12	519.4	12.51	12.44	+1
Mangaia	925	18	905.7	12.09	8.47	+43
Total	5804	112	5714.6	69.37	58.30	+19

When the PES is taken in its totality, there was an area over-estimation in the order of 19 %. In other words PES is suggesting that a more realistic area measurement is to reduce by an average of 19 % the area reported in the census for those islands covered by PES. The same interpretation applies on an island by island basis for the above 5 islands. For example on Aitutaki a more realistic measure of the total area of the 1440 parcels reported is 1200 acres (1446.40 less 17 %).

The message here, therefore, is to exercise caution when dealing with the area data reported throughout this report. For the 5 islands covered by PES, one should ideally reduce the areas reported by the specified percentages to arrive at more accurate area measurements. However, in cases where estimates only will suffice, the areas given in this report meets this need nevertheless.

VII. DATA PROCESSING

Under the auspices of the sub-regional project (RAS/86/035) a three week training course was conducted to train staff in all aspects of checking, editing and coding census questionnaires and in data entry procedures. The course was organized and conducted by the Chief Technical Adviser (RAS/86/035). This training ensured that this important part of the census operation was properly executed.

For the purpose of data processing, a Batch Control Sheet (BCS) was designed to be used in keeping track of activities conducted during the various stages of data processing.

Preliminary totals for a few variables and record types were compiled on this BCS during the office editing, coding and machine processing stages.

Office Editing and Coding

Upon receipt of the completed questionnaires and forms, initial checks were made for completeness and general acceptability of the questionnaires, listing sheets and maps.

Office editing of the completed questionnaires was done using the Instruction Manual for enumerators to check for the completeness, accuracy and consistency of the data. Inconsistencies and omissions or doubtful entries in the questionnaires which could not be corrected in the office were referred back to the census supervisors for correction and/or verification.

A coding scheme was formulated assigning alpha and numeric codes to as many questionnaire variates as possible in order to make data entry easier and quicker. During actual field enumeration, enumerators used the majority of these codes to help reduce office coding time.

To control the quality of the data, editing and coding verification was undertaken in final preparation of the data to be entered into the microcomputer.

Machine Processing

At an early stage in the census planning, a decision was taken to use the User-Friendly Survey Package (U-SP) for the processing of the data.

The structure of the survey was set up in such a way as to provide maximum flexibility in the data set. Training was given to a member of the Statistics Office in this procedure by the Chief Technical Adviser (RAS/86/035).

The data were entered onto the microcomputer on an EA (batch) basis. Range checks and logical checks were performed on the data at the entry stage to minimize punching errors and detect obvious inconsistencies in the data.

A hard copy of the data was also produced on a batch basis and manually checked against the data in the questionnaires. Corrections were then entered onto the microcomputer before the final machine editing of the data.

Despite the lack of experience in such data processing operations it is apparent that this part of the census was carried out to very high standards and much credit goes to the staff assigned to this operation.

VIII. TABULATION PROGRAMME

A tabulation plan was drawn up at the early stages of the census operation. This plan contained the list of 'priority tables' to be included in the main census report. It should be noted, however, that the number of tables and cross-tables that could be produced from this set of data is almost limitless and the list of priority tables contained in this report only represents the main findings of the census. It is planned that a secondary analysis of the data will follow in the near future to provide a more 'in-depth' analysis of the data for the major crops and regions of the country.

The tabulation programme took into account the relative importance of the items of information that would best serve the national and international needs of the data users. A Data Processing Consultant visited the Cook islands for three weeks in April 1989 to train local staff in creating tables using U-SP and to produce a provisional set of tables. These tables were subsequently revised and re-formatted prior to the production of the final set of tables for this report. By using the macro facility within the software package, these revisions were accommodated with the minimum of effort and the package proved particularly versatile and flexible in this aspect of the data processing operation.

IX. BUDGET

The major financial inputs to the project came from the Government and the UNDP.

The Governments' contribution, originally budgeted at NZ\$42,000, finished up around NZ\$60,000. The major components were payments to field staff, travel, printing and training.

The UNDP's contribution was NZ\$120,000. The major components were project personnel (UNV, statistician and consultants), training and equipment (vehicle and microcomputer system).

To these figures must be added the cost of salaries and other expenses of staff employed by the Government on a regular basis who worked on the census.

X. DEFINITION OF TERMS AND CONCEPTS

Agricultural Census - An agricultural census is a large-scale, government sponsored operation for the collection of quantitative information on agricultural structure, using the agricultural holding as the statistical unit and covering the whole country within a single agricultural year.

Agricultural Activities - For purposes of the 1988 Agricultural Census, this refers to all activities rendered by members of the households for agricultural production. These activities can either be on paid or unpaid arrangements. Activities directly related to fishing and/or marine relationships are excluded.

Holding - An agricultural holding is 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 or size. Single management may be exercised by an individual or household, jointly by two or more individuals or households, by a clan or tribe or by a juridical person such as corporation, cooperative or government agency. The holding's land may consist of one or more parcels, located in one or more separate areas or in one or more enumeration areas, provided the parcels share the same production means utilized by the holding such as labour, farm buildings or machinery/equipment.

Parcel - A holding parcel is 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 plot is 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 ready for planting.

Fallow Land - This refers to land with no crop in a plantation mode yet to be harvested. Where the crop has been harvested completely but the remnants of it are still visible, this will also be referred to as fallow land. Fallow land may be long term (10 years or more) or short term.

Land Waiting to be Planted - The land has been prepared (i.e. ploughed) and waiting to be planted with crops.

Land in Use - As on the day of the census, the land was planted to crops irrespective of how long it has been fallow previously.

Household - The concept of a household is based on the arrangements made by persons, individually or groups, for providing themselves with food or other essentials for living. A household may be either:

1. 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
2. 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 combination of both.

Agriculturally Active Household - This refers to a household whose level of agricultural activity was either subsistence only, subsistence/cash, commercial part-time or commercial full-time.

Institution - An organization providing specified service for performing some general public function or a group of individuals such as a prison, hospital, hotel, boarding school, etc.

Operator - An operator of an agricultural holding is the person who exercises 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 have more than one operator especially in cases where the holding is being operated as a partnership or some other form of joint operation.

Livestock - The categories of livestock include all animals, regardless of age. For example, in the category of pigs, all the animals (sows, boars, weaners, fatteners) kept by the household are stated. In the category of sows, only the female animals that have already given birth and are still capable of giving birth are stated. Potential breeders, i.e. female animals that will be used for breeding purposes, are not included.

Tree Crops - These are trees bearing edible fruits or nuts. The trees themselves have an economic life of more than five years. Examples are mango, litchi, banana, spondias, avocado, coconut, citrus, custard apple, macadamia, chestnut, carambola, pawpaw, etc. Pistachio, fig, guava and other like trees are not included.

Levels of Agricultural Activity

1. **Non-Agricultural** - The household does not engage in any crop production. Such households may own or look after land not in use and also own or look after livestock.
2. **Minor Agricultural Activity** - The household has only very few crops defined as less than 625 square yards (25 yards x 25 yards) of land under garden crops OR less than 10 coconut trees OR less than 10 trees bearing other than tree crops.
3. **Subsistence Only** - The household produces crops but does not sell for any significant amount.
4. **Subsistence/Cash** - The household's main purpose of agricultural production is to feed itself (sustenance) but some crops or surplus crops are sold.
5. **Commercial Part-Time** - Households in this category differ from those in category 4 by the fact that their main purpose of production is for their produce to be sold locally or for export. Members of the household work on the holding only on a part-time basis.
6. **Commercial Full-Time** - The household's main purpose of production is for their produce to be sold locally or for export and one or more members of the household work on the holding on a full-time basis.

Land Tenure

1. **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, usually inaccessible lands such as the interior of Rarotonga.
2. **European Land** - Any land which has been alienated from the Crown for a subsisting estate in fee simple other than Native Land. In other words, Crown land (i.e. not native or customary land) leased or put aside by the Crown for specific purposes such as some churches.
3. **Customary Land** (alias Native Land, Native Freehold Land) - 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.

4. **Freehold Land** - This is the land which have been investigated by the land court and held by the individuals under the following terms:

- (i) **Leased** - Contract by which one party (lessor), usually in consideration of rent, conveys land to another (lessee) for a specified time period.
- (ii) **License (borrowed)** - 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 parties concerned, i.e. it need not go through the court.
- (iii) **Occupation Right** - Where the operator (or his/her spouse) has an exclusive right to use a piece of land, such right being obtained through the land court system of the Cook Islands.
- (iv) **Long Occupation Right (alias vested order)** - 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. When such right is granted, this is referred to as long occupation right or vested order.

Reference Period by Specific Topics

<u>Topic</u>	<u>Reference Period</u>
1988 Census of Agriculture	1 September 1988
Enumeration Period	1-30 September 1988
Crops currently growing and/or planted and harvested during the last 12 months	Last 12 months preceding the month of September 1988
Land not in use	"Years unused" is last 10 years, i.e. since September 1978
Working on holding in unpaid capacity	Last month, i.e. August 1988 The same reference period applies to paid labour.
Loans	Last 5 years, i.e. since 1983
Equipment in operational condition	Last 12 months, i.e. since August 1987

XI. SUMMARY OF THE RESULTS

To provide the reader with a general overview of the findings of the Census, the following facts for the Cook Islands have been extracted from the Tables in this report and have been condensed to solicit the magnitude of the concepts utilized in the Census. For further details to these figures, the reader is invited to refer to the respective tables in this report.

Total number of households	3,170
Number of non-agricultural and minor agricultural households	1,035
Number of agriculturally active households	2,135
Total number of holdings	2,188
Total number of parcels	6,399
Number of parcels in use	5,101
Number of parcels fallow	1,429
Total acreage of parcels	6,435
Acreage of parcels in use	5,006
Acreage of parcels fallow	1,429
Average size of holdings (acres)	2.9
Total number of households keeping livestock	2,305
Total number of households not keeping livestock	865
Total number of pigs	16,459
Total number of cattle	246
Total number of chicken	44,687
Total number of goats	5,472
Total number of horses	355
Number of households using coconuts for human consumption	2,615
Total weekly human consumption of coconuts	41,994
Average weekly human consumption of coconuts per household using coconuts for this purpose	16.1
Number of households using coconuts for feeding animals	2,011
Total weekly animal consumption of coconuts	129,453
Average weekly animal consumption of coconuts per household using coconuts for this purpose	64.4
Persons in agriculturally active households:	
Persons under 10 years old	3,138
Persons over 10 years old	8,749
Total persons	11,887
Number of agriculturally active households with loans for agricultural purposes	337
Number of agriculturally active households with no loans for agricultural purposes	1,798

VANILLA



Vanilla production has spread to Mauke, Mangaia and Aitutaki (experimental) after being developed in Atiu as a commercial "diversification" crop. Vanilla is commonly supported by "Tecoma" trees (above) and "Fiki" trees (below - also used for medicines) with generous mulching at its base.



All Photographs Were Supplied By The Ministry Of Agriculture

PAWPAW

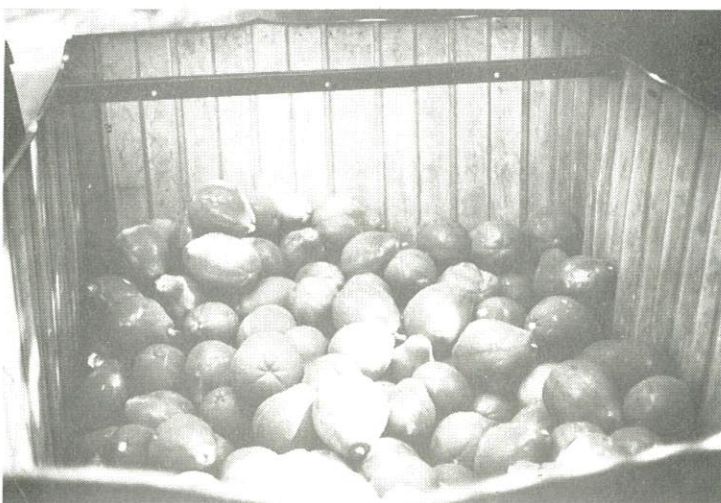


A typical pawpaw tree of the "Solo" variety boasts export quality fruit.



Harvesting of mature pawpaw using tractor with attached front-end-loader is becoming more frequent where ladders fall short.

Harvesting commences 10 months after planting & may last for 3 yrs thereafter. Two export quality fruits per tree per week is common.

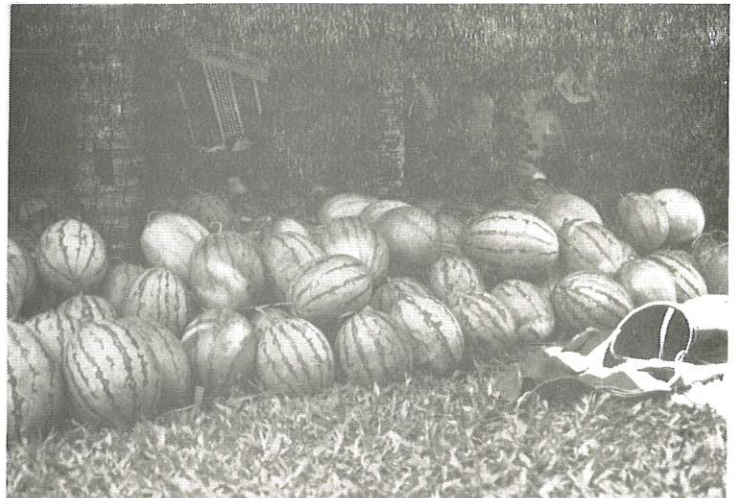


Harvested pawpaw in container ready for selection & packing. Pawpaw being a major crop on Rarotonga is exported by air to NZ. Pawpaw exports in 1988 totalled 994 tonnes.

Traditionally water melons were grown for harvest during the Xmas/New Year festivities. Today melons are grown all year round.



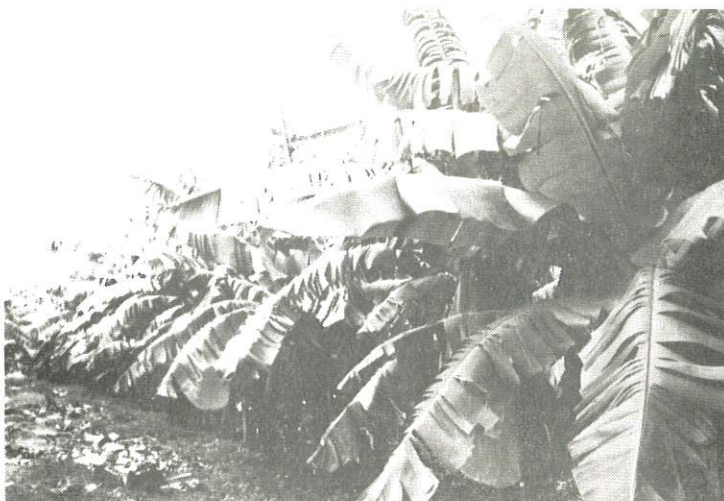
"Family Fun" melons kept cool as they await to be put on the local market & distributed to family & friends.



Inter-cropping, a common sight, with "Drum Head" cabbages in the foreground of tomatoes using the inverted "V" trellis as opposed to the more common vertical stakes.



TREE CROPS



Banana-cavendish is the main banana export variety of the Cook Islands and is mass-produced on Aitutaki.



Citrus-mandarine is commonly grown on Rarotonga. This particular variety has been grafted on "Trifoliata", a frequently used citrus root stock.



Arabica Coffee, being developed in Atiu, shows signs of potential production.

Scattered Crops Growing in Parcels

Table 54: Scattered Crops Growing in Parcels - Number of Separate Plantings by Type of Crop and Island

Table 55: Scattered Crops Growing in Parcels - Number of Plants Growing at the Time of the Census by Type of Crop and Island

Table 55A: Scattered Crops Growing in Parcels - Single Crop Equivalent Area (acres) of Crops Growing at the Time of the Census by Type of Crop and Island

Table 56: Scattered Crops Growing in Parcels - Number of Plants by Region, Type of Crop and Proportion for Sale

Table 57: Scattered Crops Growing in Parcels - Number of Separate Plantings by Region, Type of Crop and Size of Planting

Table 58: Scattered Crops Growing in Parcels - Number of Plants Growing at the Time of the Census by Region, Type of Crop and Size of Planting

Scattered Crops Growing Outside Parcels

Table 59: Scattered Crops Growing Outside Parcels - Number of Separate Plantings by Type of Crop and Island

Table 60: Scattered Crops Growing Outside Parcels - Number of Plants by Type of Crop and Island

Table 60A: Scattered Crops Growing Outside Parcels - Single Crop Equivalent Area (acres) by Type of Crop and Island

Table 61: Scattered Crops Growing Outside Parcels - Number of Separate Plantings by Region, Type of Crop and Size of Planting

Table 62: Scattered Crops Growing Outside Parcels - Number of Plants by Region, Type of Crop and Size of Planting

Crops Grown By Minor Households

Table 63: Crops Currently Grown by Minor Agricultural Households - Number of Separate Plantings by Type of Crop and Island

Table 64: Crops Currently Grown by Minor Agricultural Households - Number of Plants by Type of Crop and Island

Table 65: Crops Currently Grown by Minor Agricultural Households - Area (acres) of Minor Crops by Type of Crop and Island

Table 66: Crops Planted by Minor Agricultural Households in the 12 Months Preceding the Census and Already Harvested - Number of Separate Plantings, Number of Plants Harvested and Area Harvested by Type of Crop

Crops Planted in Parcels in the 12 Months Preceding the Census and Already Harvested

Table 67: Crops Planted in Parcels in the 12 Months Preceding the Census and Already Harvested - Number of Plantings Reporting in Acres, Square Yards and Number of Plants; Area Reported in Acres and Square Yards and Number of Plants Reported by Type of Crop

Table 68: Crops Planted in Parcels in the 12 Months Preceding the Census and Already Harvested - Total Area (acres) Harvested by Type of Crop and Proportion Sold

Land Waiting to be Planted and Fallow in Parcels

Table 69: Land Waiting to be Planted and Fallow Land in Parcels - Number of Plots and Area (acres) of Plots by Island

Crops - Summary Data

Table 70: Summary of Single Crop Equivalent Areas (acres) by Type of Crop and Method of Planting

Table 71: Summary of Number of Plants by Type of Crop and Method of Planting

Table 1: Number of Households by Location of Household and Level of Agricultural Activity

Location of Household	Level of Agricultural Activity					
	Non-Agricultural	Minor Agricultural	Subsistence Only	Subsistence/Cash	Commercial Part-Time	Commercial Full-Time
						Total
Pue-Matavera	20	72	69	4	3	3
Tupapa-Maraerenga	28	22	47	6	-	2
Takuvaine-Parekura	38	36	70	2	3	-
Tutakimoa-Teotue	20	38	24	-	1	-
Avatiu-Ruatonga	52	33	89	13	2	1
Nikao-Panama	28	113	74	8	3	2
Ruaau-Arorangi	38	47	66	13	5	6
Murienua-Arorangi	48	41	127	26	11	6
Titikaveka	64	34	72	36	13	13
Ngatangia	35	22	42	14	8	5
Matavera	15	27	42	15	6	8
	386	485	722	137	55	46
RAROTONGA						1831
Aitutaki	31	34	187	139	16	3
Mangaia	13	4	138	49	14	4
Atiu	14	-	120	31	7	-
Hauke	6	11	59	20	13	5
Mitiaro	3	3	44	-	-	-
	67	52	548	239	50	12
OTHER SOUTHERN IS.						968
Palmerston	-	-	9	-	-	-
Pukapuka	10	7	99	-	-	-
Nassau	-	-	18	-	-	-
Manihiki	1	4	75	2	-	-
Rakahanga	6	2	18	23	-	-
Penrhyn	5	10	78	4	-	-
	22	23	297	29	-	-
NORTHERN ISLANDS						371
COOK ISLANDS	475	560	1567	405	105	58
						3170

Table 2: Number of Holdings by Location of Household and Level of Agricultural Activity

Location of Household	Level of Agricultural Activity				Total
	Subsistence Only	Subsistence/Cash	Commercial Part-Time	Commercial Full-Time	
Pue-Matavera	69	4	3	3	79
Tupapa-Maraere	47	6	-	2	55
Takuvaine-Parekura	71	2	3	-	76
Tutakimoa-Teotue	24	-	1	-	25
Avatiu-Ruatonga	89	13	2	1	105
Nikao-Panama	74	8	4	2	88
Ruaau-Arorangi	66	13	5	6	90
Murienua-Arorangi	127	26	11	6	170
Titikaveka	72	36	13	13	134
Ngatangia	42	14	8	5	69
Matavera	42	16	7	8	73
RAROTONGA	723	138	57	46	964
Aitutaki	205	163	21	5	394
Mangaia	138	49	14	4	205
Atiu	120	31	7	-	158
Mauke	59	20	13	5	97
Mitiaro	44	-	-	-	44
OTHER SOUTHERN IS.	566	263	55	14	898
Palmerston	9	-	-	-	9
Pukapuka	99	-	-	-	99
Nassau	18	-	-	-	18
Manihiki	75	2	-	-	77
Rakahanga	18	23	-	-	41
Penrhyn	78	4	-	-	82
NORTHERN ISLANDS	297	29	-	-	326
COOK ISLANDS	1586	430	112	60	2188

Note: Holdings for Non-agricultural and Minor Agricultural Activities do not exist.

Table 3: Number of Parcels by Location of Household and Level of Agricultural Activity

Location of Household	Level of Agricultural Activity				
	Subsistence Only	Subsistence/ Cash	Commercial Part-Time	Commercial Full-Time	Total
Pue-Matavera	134	12	9	19	174
Tupapa-Maraerenga	123	19	-	20	162
Takuvaine-Parekura	120	7	14	-	141
Tutakimoa-Teotue	35	-	4	-	39
Avatiu-Ruatonga	172	31	5	4	212
Nikao-Panama	133	28	10	9	180
Ruaau-Arorangi	161	50	24	21	256
Murienua-Arorangi	254	78	43	27	402
Titikaveka	153	127	46	101	427
Ngatangia	99	47	44	39	229
Matavera	94	52	33	33	212
RAROTONGA	1478	451	232	273	2434
Aitutaki	583	730	100	21	1434
Mangaia	576	243	82	24	925
Atiu	409	141	49	-	599
Mauke	230	86	65	24	405
Mitiaro	101	-	-	-	101
OTHER SOUTHERN IS.	1899	1200	296	69	3464
Palmerston	9	-	-	-	9
Pukapuka	197	-	-	-	197
Nassau	18	-	-	-	18
Manihiki	77	3	-	-	80
Rakahanga	27	60	-	-	87
Penrhyn	100	10	-	-	110
NORTHERN ISLANDS	428	73	-	-	501
COOK ISLANDS	3805	1724	528	342	6399

Note: Parcels for Non-agricultural and Minor Agricultural Activities do not exist.

**Table 4: Number of Holdings, Parcels, Parcels In Use and Fallow
by Location of Household**

Location of Household	Number of Parcels			
	Number of Holdings	Total	In Use	Fallow
Pue-Matavera	79	174	142	32
Tupapa-Maraerenga	55	162	129	33
Takuvaine-Parekura	76	141	116	25
Tutakimoa-Teotue	25	39	32	7
Avatiu-Ruatonga	105	212	184	28
Nikao-Panama	88	180	159	21
Ruaau-Arorangi	90	256	225	31
Murienua-Arorangi	170	402	331	71
Titikaveka	134	427	348	79
Ngatangia	69	229	190	39
Matavera	73	212	173	39
RAROTONGA	964	2434	2029	405
Aitutaki	394	1434	1142	292
Mangaia	205	925	629	296
Atiu	158	599	412	187
Mauke	97	405	318	87
Mitiaro	44	101	98	3
OTHER SOUTHERN IS.	898	3464	2599	865
Palmerston	9	9	9	—
Pukapuka	99	197	170	27
Nassau	18	18	18	—
Manihiki	77	80	80	—
Rakahanga	41	87	87	—
Penrhyn	82	110	109	1
NORTHERN ISLANDS	326	501	473	28
COOK ISLANDS	2188	6399	5101	1298

Table 5: Land Not In Use that the Household has Tenure of -
Number of Parcels by Location of Land and Land Tenure

Location of Land	Land Tenure					Total
	Customary	Freehold- Leased	Freehold- License	Freehold- Occupation Right	Long Occupation Right	
Pue-Matavera	4	4	8	17	5	38
Tupapa-Maraerenga	5	4	4	13	4	30
Takuvaine-Parekura	5	-	5	7	3	20
Tutakimoa-Teotue	-	1	-	-	-	1
Avatiu-Ruatonga	4	3	13	12	2	34
Nikao-Panama	10	6	11	15	2	44
Ruaau-Arorangi	7	-	9	11	-	27
Murienua-Arorangi	14	1	4	15	-	34
Titikaveka	7	6	8	11	2	34
Ngatangia	3	-	12	18	6	39
Matavera	7	3	5	8	1	24
RAROTONGA	66	28	79	127	25	325
Aitutaki	193	1	-	7	1	202
Mangaia	317	-	-	2	-	319
Atiu	-	-	5	41	-	46
Mauke	-	-	1	119	-	120
Mitiaro	17	-	-	-	-	17
OTHER SOUTHERN IS.	527	1	6	169	1	704
Palmerston	-	-	-	-	-	-
Pukapuka	13	-	-	-	-	13
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	14	-	-	-	-	14
Penrhyn	-	-	-	-	-	-
NORTHERN ISLANDS	27	-	-	-	-	27
COOK ISLANDS	620	29	85	296	26	1056

Note: No Land under Crown or European Tenure was recorded

Table 6: Land Not In Use that the Household has Tenure of - Number of Parcels
by Location of Land and Number of Continuous Years Unused

Location of Land	Number of Continuous Years Unused								10 & over	Total
	1	2	3	4	5	6-9	10 & over			
Pue-Matavera	11	7	3	1	1	-	15	38		
Tupapa-Maraerenga	5	3	-	3	2	5	12	30		
Takuvaine-Parekura	3	5	2	2	2	1	5	20		
Tutakimoa-Teotue	-	-	-	-	-	1	-	1		
Avatiu-Ruatonga	8	2	3	-	6	3	12	34		
Nikao-Panama	5	9	8	3	8	4	7	44		
Ruaau-Arorangi	2	3	3	2	6	3	8	27		
Murienua-Arorangi	9	5	4	3	2	2	9	34		
Titikaveka	5	5	6	3	4	6	5	34		
Ngatangia	1	5	2	4	5	1	21	39		
Matavera	2	2	3	4	1	1	11	24		
RAROTONGA	51	46	34	25	37	27	105	325		
Aitutaki	-	1	2	2	1	2	194	202		
Mangaia	-	-	-	-	2	-	317	319		
Atiu	2	-	3	-	4	5	32	46		
Mauke	2	5	1	5	12	5	90	120		
Mitiaro	-	2	1	-	-	-	14	17		
OTHER SOUTHERN IS.	4	8	7	7	19	12	647	704		
Palmerston	-	-	-	-	-	-	-	-		
Pukapuka	-	-	-	-	-	-	13	13		
Nassau	-	-	-	-	-	-	-	-		
Manihiki	-	-	-	-	-	-	-	-		
Rakahanga	-	1	-	-	-	3	10	14		
Penrhyn	-	-	-	-	-	-	-	-		
NORTHERN ISLANDS	-	1	-	-	-	3	23	27		
COOK ISLANDS	55	55	41	32	56	42	775	1056		

**Table 7: Land Not In Use that the Household has Tenure of - Area (acres) of
Parcels by Location of Land and Number of Continuous Years Unused**

Location of land	Number of Continuous Years Unused									Total
	1	2	3	4	5	6-9	10 & over			
Pue-Matavera	8.1	4.4	9.3	.5	.3	-	29.3	51.8		
Tupapa-Maraerenga	4.1	1.5	-	1.8	.4	4.3	21.0	33.0		
Takuvaine-Parekura	1.0	1.5	.5	3.3	3.3	.3	2.0	11.8		
Tutakimoa-Teotue	-	-	-	-	-	.3	-	.3		
Avatiu-Ruatonga	5.3	.8	5.8	-	-	4.0	16.2	40.2		
Nikao-Panama	4.0	11.8	22.0	2.8	3.3	1.8	24.5	70.5		
Ruaau-Arorangi	5.5	1.1	8.8	2.8	10.5	8.0	15.3	51.9		
Murienua-Arorangi	3.9	4.0	5.5	6.5	1.3	12.5	11.3	44.9		
Titikaveka	2.1	4.7	6.3	3.3	8.3	1.6	6.0	32.3		
Ngatangia	.5	4.5	3.3	15.8	8.3	.5	65.8	98.5		
Matavera	1.0	2.5	7.3	2.3	.8	.3	52.5	66.5		
RAKOTONGA	35.5	36.8	68.5	38.8	44.9	33.4	243.7	501.5		
Aitutaki	-	1.0	2.3	1.0	2.5	1.0	611.6	619.3		
Mangaia	-	-	-	-	8.5	-	638.6	647.1		
Atiu	.8	-	2.0	-	2.0	6.3	41.6	52.6		
Mauke	2.3	6.8	5.0	15.3	19.8	20.5	226.8	296.3		
Mitiaro	-	1.5	2.5	-	-	-	26.8	30.8		
OTHER SOUTHERN IS.	3.0	9.3	11.8	16.3	32.8	27.8	1545.4	1646.1		
Palmerston	-	-	-	-	-	-	-	-		
Pukapuka	-	-	-	-	-	-	15.0	15.0		
Nassau	-	-	-	-	-	-	-	-		
Manihiki	-	-	-	-	-	-	-	-		
Rakahanga	-	.5	-	-	-	1.5	3.3	5.3		
Penrhyn	-	-	-	-	-	-	-	-		
NORTHERN ISLANDS	-	.5	-	-	-	1.5	18.3	20.3		
COOK ISLANDS	38.5	46.5	80.3	55.0	77.6	62.6	1807.3	2167.9		

Table 8: Land Not In Use that the Household is Looking After
for Persons Living Overseas - Number of Parcels
by Location of Land and Number of Continuous Years Unused

Location of Land	Number of Continuous Years Unused						
	1	2	3	4	5	6-9	10 & over Total
Pue-Matavera	2	-	-	-	-	-	3
Tupapa-Maraerenga	1	-	2	1	-	-	2
Takuvaine-Parekura	1	-	-	-	-	2	3
Tutakimoa-Teotue	-	-	1	-	-	-	-
Avatiu-Ruatonga	1	-	1	-	4	1	2
Nikao-Panama	4	1	2	-	1	1	2
Ruaau-Arorangi	1	1	2	-	1	-	3
Murienua-Arorangi	3	3	2	-	3	1	2
Titikaveka	2	2	1	-	-	3	3
Ngatangia	2	1	1	1	1	-	3
Matavera	3	-	-	2	-	-	1
RAROTONGA	20	8	12	4	10	8	24
							86
Aitutaki	-	2	-	-	-	-	6
Mangaia	-	-	1	1	-	-	18
Atiu	-	-	-	-	2	1	1
Mauke	-	-	-	-	1	1	2
Mitiaro	-	-	-	-	-	-	-
OTHER SOUTHERN IS.	-	2	1	1	3	2	27
							36
Palmerston	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	1	-	-
Penrhyn	-	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	1	-	1
COOK ISLANDS	20	10	13	5	14	10	51
							123

Table 9: Land Not In Use that the Household is Looking After
for Persons Living Overseas - Area (acres) of Parcels
by Location of Land and Number of Continuous Years Unused

Location of Land	Number of Continuous Years Unused							
	1	2	3	4	5	6-9	10 & over	Total
Pue-Matavera	.5	-	-	-	-	-	2.8	3.3
Tupapa-Maraerenga	1.0	-	8.3	.3	-	-	1.5	11.0
Takuvaine-Parekura	.1	-	-	-	-	2.3	46.3	48.6
Tutakimoa-Teotue	-	-	.3	-	-	-	-	.3
Avatiu-Ruatonga	.5	-	.3	-	8.3	.5	3.0	12.5
Nikao-Panama	5.0	.3	1.3	-	.5	.3	1.5	8.8
Ruaau-Arorangi	.5	.3	1.0	-	.5	-	.8	3.0
Murienua-Arorangi	1.5	1.5	1.3	-	4.3	.3	3.3	12.0
Titikaveka	.4	2.3	.3	-	-	1.6	11.3	15.8
Ngatangiaia	6.5	.3	.3	.5	.3	-	9.3	17.0
Matavera	.7	-	-	22.0	-	-	1.0	23.7
RAROTONGA	16.8	4.5	12.8	22.8	13.8	4.9	80.5	155.9
Aitutaki	-	1.3	-	-	-	-	4.6	5.9
Mangaia	-	-	.3	2.0	-	1.5	40.6	44.4
Atiu	-	-	-	-	4.3	-	.5	4.8
Mauke	-	-	-	-	1.0	1.5	1.3	3.8
Mitiaro	-	-	-	-	-	-	-	-
OTHER SOUTHERN IS.	-	1.3	.3	2.0	5.3	3.0	47.0	58.8
Palmerston	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	.5	-	-	.5
Penrhyn	-	-	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	.5	-	-	.5
COOK ISLANDS	16.8	5.7	13.0	24.8	19.5	7.9	127.5	215.2

Table 10: Total Number of Households Enumerated, Number of Households Keeping Livestock of Any Type and Number of Households Not Keeping Livestock of Any Type by Location of Household

Location of Household	Total Number of Households	Number of Households	
		Keeping Livestock	Not Keeping Livestock
Pue-Matavera	171	96	75
Tupapa-Maraerenga	105	59	46
Takuvaine-Parekura	149	99	50
Tutakimoa-Teotue	83	37	46
Avatiu-Ruatonga	190	136	54
Nikao-Panama	228	125	103
Ruaau-Arorangi	175	115	60
Murienua-Arorangi	259	165	94
Titikaveka	232	133	99
Ngatangia	126	84	42
Matavera	113	82	31
RAROTONGA	1831	1131	700
Aitutaki	410	333	77
Mangaia	222	207	15
Atiu	172	155	17
Mauke	114	105	9
Mitiaro	50	48	2
OTHER SOUTHERN IS.	968	848	120
Palmerston	9	9	0
Pukapuka	116	109	7
Nassau	18	17	1
Manihiki	82	73	9
Rakahanga	49	43	6
Penrhyn	97	75	22
NORTHERN ISLANDS	371	326	45
COOK ISLANDS	3170	2305	865

Table 11: Number of Households Keeping Livestock by Type of Livestock and Location of Household

Location of Household		Type of Livestock									
		Pig	Sow	Cattle	Cow	Chicken	Goat	Doe	Horse	Mare	
Pue-Matavera		87	78	4	2	38	30	23	5	1	
Tupapa-Maraerenga		58	50	2	2	17	17	12	3	1	
Takuvaine-Parekura		85	71	-	-	51	22	15	6	4	
Tutakimoa-Teotue		30	22	-	-	16	3	2	-	-	
Avatiu-Ruatonga		128	108	6	5	83	39	30	10	7	
Nikao-Panama		121	101	4	3	37	28	25	6	2	
Ruaau-Arorangi		108	93	10	8	49	49	39	20	7	
Murienua-Arorangi		151	115	7	5	58	58	45	40	20	
Titikaveka		118	105	17	14	24	45	38	27	12	
Ngatangia		81	77	7	6	31	36	32	18	10	
Matavera		76	72	7	7	43	31	28	13	4	
RAROTONGA		1043	892	64	52	447	358	289	148	68	
Aitutaki		258	214	10	9	244	157	133	30	10	
Mangaia		190	163	1	1	172	107	76	34	12	
Atiu		147	135	2	2	136	106	100	3	2	
Mauke		92	85	9	8	99	67	66	11	7	
Mitiaro		43	40	-	-	44	18	12	-	-	
OTHER SOUTHERN IS.		730	637	22	20	695	455	387	78	31	
Palmerston		9	9	-	-	8	-	-	-	-	
Pukapuka		93	75	-	-	107	-	-	-	-	
Nassau		17	14	-	-	17	-	-	-	-	
Manihiki		66	58	-	-	59	-	-	-	-	
Rakahanga		41	38	-	-	17	-	-	-	-	
Penrhyn		74	47	-	-	41	-	-	-	-	
NORTHERN ISLANDS		300	241	-	-	249	-	-	-	-	
COOK ISLANDS		2073	1770	86	72	1391	813	676	226	99	

Table 11A: Number of Livestock by Type of Livestock and Location of Household

Location of Household	Type of Livestock									
	Pig	Sow	Cattle	Cow	Chicken	Goat	Doe	Horse	Mare	
Pue-Matavera	579	153	10	4	895	116	66	6	1	
Tupapa-Maraerenga	434	102	4	3	429	61	23	3	1	
Takuvaine-Parekura	439	118	-	-	1470	99	35	9	4	
Tutakimoa-Teotue	132	34	-	-	412	8	5	-	-	
Avatiu-Ruatonga	801	222	33	18	2807	220	115	15	8	
Nikao-Panama	753	239	6	3	1162	163	75	6	2	
Ruaau-Arorangi	1035	307	31	22	1336	255	135	32	9	
Murienua-Arorangi	942	246	11	6	1629	282	134	66	31	
Titikaveka	1057	234	43	24	646	333	126	43	13	
Ngatangiia	792	240	14	11	812	129	88	34	20	
Matavera	563	153	13	9	1449	157	70	25	5	
RAROTONGA	7527	2048	165	100	13047	1823	872	239	94	
Aitutaki	1634	482	52	21	9660	956	368	45	14	
Mangaia	1740	444	1	1	4122	853	338	45	13	
Atiu	2333	493	3	3	6116	1109	396	6	4	
Mauke	920	197	25	13	3521	681	281	20	8	
Mitiaro	342	75	-	-	1324	48	19	-	-	
OTHER SOUTHERN IS.	6969	1691	81	38	24743	3647	1402	116	39	
Palmerston	66	33	-	-	482	-	-	-	-	
Pukapuka	508	180	-	-	3317	-	-	-	-	
Nassau	34	22	-	-	735	-	-	-	-	
Manihiki	663	151	-	-	1650	-	-	-	-	
Rakahanga	322	93	-	-	183	-	-	-	-	
Pentryn	370	85	-	-	530	-	-	-	-	
NORTHERN ISLANDS	1963	564	-	-	6897	-	-	-	-	
COOK ISLANDS	16459	4303	246	138	44687	5470	2274	355	133	

Table 12: Number of Households Keeping Pigs by Location of Household and Size of Pig Holding

Location of Household	Size of Pig Holding						
	1-4	5-9	10-19	20-29	30-49	50 & over	Total
Pue-Matavera	46	22	14	3	1	1	87
Tupapa-Maraerenga	22	22	10	2	2	-	58
Takuvaine-Parekura	51	18	14	2	-	-	85
Tutakimoa-Teotue	21	6	2	-	1	-	30
Avatiu-Ruatonga	80	20	19	7	2	-	128
Nikao-Panama	70	33	14	1	1	2	121
Ruaau-Arorangi	42	28	19	15	4	-	108
Murienua-Arorangi	90	33	18	5	4	-	151
Titikaveka	59	29	18	6	5	1	118
Ngatangia	31	18	25	4	1	2	81
Matavera	36	24	9	4	2	1	76
RAROTONGA	548	253	162	49	23	8	1043
Aitutaki	134	74	38	9	2	1	258
Mangaia	75	47	50	10	6	2	190
Atiu	20	31	52	27	9	8	147
Hauke	25	37	16	8	6	-	92
Mitiaro	8	25	9	-	1	-	43
OTHER SOUTHERN IS.	262	214	165	54	24	11	730
Palmerston	2	6	-	1	-	-	9
Pukapuka	45	34	14	-	-	-	93
Nassau	15	2	-	-	-	-	17
Manihiki	17	17	29	1	2	-	66
Rakahanga	16	12	9	3	1	-	41
Penrhyn	41	27	4	-	2	-	74
NORTHERN ISLANDS	136	98	56	5	5	-	300
COOK ISLANDS	946	565	383	108	52	19	2073

Table 13: Number of Pigs by Location of Household and Size of Pig Holding

Location of Household	Size of Pig Holding						
	1-4	5-9	10-19	20-29	30-49	50 & over	Total
Pue-Matavera	100	145	180	69	35	50	579
Tupapa-Maraerenga	40	155	122	45	72	-	434
Takuvaine-Parekura	98	115	185	41	-	-	439
Tutakimoa-Teotue	31	40	29	-	32	-	132
Avatiu-Ruatonga	160	145	264	157	75	-	801
Nikao-Panama	127	210	193	26	32	165	753
Ruaau-Arorangi	92	193	246	333	171	-	1035
Murienua-Arorangi	181	217	252	105	137	50	942
Titikaveka	138	195	263	143	186	132	1057
Ngatangia	67	118	322	100	35	150	792
Matavera	60	163	117	83	74	66	563
RAROTONGA	1094	1696	2173	1102	849	613	7527
Aitutaki	300	495	505	206	68	60	1634
Mangaia	160	313	703	213	231	120	1740
Atiu	47	206	692	593	356	439	2333
Hauke	58	250	208	187	217	-	920
Mitiaro	18	177	117	-	30	-	342
OTHER SOUTHERN IS.	583	1441	2225	1199	902	619	6969
Palmerston	7	39	-	20	-	-	66
Pukapuka	129	205	174	-	-	-	508
Nassau	23	11	-	-	-	-	34
Manihiki	45	108	406	29	75	-	663
Rakahanga	38	76	106	67	35	-	322
Penrhyn	96	163	47	-	64	-	370
NORTHERN ISLANDS	338	602	733	116	174	-	1963
COOK ISLANDS	2015	3739	5131	2417	1925	1232	16459

Table 14: Number of Households Keeping Cattle by Location of Household and Size of Cattle Holding

Location of Household	Size of Cattle Holding					
	1	2	3	4	5 & over	Total
Pue-Matavera	2	-	1	-	1	4
Tupapa-Maraerenga	1	-	1	-	-	2
Takuvaine-Parekura	-	-	-	-	-	-
Tutakimoa-Teotue	-	-	-	-	-	-
Avatiu-Ruatonga	1	-	-	1	4	6
Nikao-Panama	2	2	-	-	-	4
Ruaau-Arorangi	3	4	2	-	1	10
Murienua-Arorangi	4	2	1	-	-	7
Titikaveka	4	4	6	2	1	17
Ngatangia	3	1	3	-	-	7
Matavera	4	2	-	-	1	7
RAROTONGA	24	15	14	3	8	64
Aitutaki	4	1	2	1	2	10
Mangaia	1	-	-	-	-	1
Atiu	1	1	-	-	-	2
Mauke	1	3	2	3	-	9
Mitiaro	-	-	-	-	-	-
OTHER SOUTHERN IS.	7	5	4	4	2	22
Palmerston	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	-	-
COOK ISLANDS	31	20	18	7	10	86

Table 15: Number of Cattle by Location of Household and Size of Cattle Holding

Location of Household	Size of Cattle Holding					
	1	2	3	4	5 & over	Total
Pue-Matavera	2	-	3	-	5	10
Tupapa-Maraerenga	1	-	3	-	-	4
Takuvaine-Parekura	-	-	-	-	-	-
Tutakimoa-Teotue	-	-	-	-	-	-
Avatiu-Ruatonga	1	-	-	4	28	33
Nikao-Panama	2	4	6	-	14	26
Ruaau-Arorangi	3	8	3	-	-	31
Murienua-Arorangi	4	4	18	8	5	43
Titikaveka	4	8	9	-	-	31
Ngatangia	3	2	-	-	-	14
Matavera	4	4	-	-	5	13
RAROTONGA	24	30	42	12	57	165
Aitutaki	4	2	6	4	36	52
Mangaia	1	-	-	-	-	1
Atiu	1	2	-	-	-	3
Mauke	1	6	6	12	-	25
Mitiaro	-	-	-	-	-	-
OTHER SOUTHERN IS.	7	10	12	16	36	81
Palmerston	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	-	-
COOK ISLANDS	31	40	54	28	93	246

Table 16: Number of Households Keeping Chickens by Location of Household and Size of Chicken Holding

Location of Household	Size of Chicken Holding						
	1-4	5-9	10-19	20-29	30-49	50-99	100 & over Total
Pue-Matavera	3	1	13	9	7	4	1 38
Tupapa-Maraerenga	1	1	3	3	7	2	- 17
Takuvaine-Parekura	2	5	15	6	11	9	3 51
Tutakimoa-Teotue	-	1	4	8	1	1	1 16
Avatiu-Ruatonga	2	15	15	29	16	12	6 83
Nikao-Panara	1	3	12	7	4	6	4 37
Ruaau-Arorangi	5	1	10	14	9	8	2 49
Murienua-Arorangi	4	9	13	8	8	13	3 58
Titikaveka	2	1	8	8	2	2	1 24
Ngatangia	1	3	7	9	6	3	2 31
Matavera	2	-	9	8	12	9	3 43
RAROTONGA	23	28	109	109	83	69	26 447
Aitutaki	8	13	46	49	56	45	27 244
Mangaia	13	22	48	41	26	18	4 172
Atiu	2	5	16	28	37	30	18 136
Mauke	1	2	13	28	33	17	5 99
Mitiaro	4	7	7	10	8	4	4 44
OTHER SOUTHERN IS.	28	49	130	156	160	114	58 695
Palmerston	-	-	1	1	-	3	3 8
Pukapuka	3	4	29	23	31	6	11 107
Nassau	-	-	2	1	8	5	1 17
Manihiki	1	3	19	16	9	9	2 59
Rakahanga	3	6	5	2	1	-	- 17
Penrhyn	4	12	15	6	3	1	- 41
NORTHERN ISLANDS	11	25	71	49	52	24	17 249
COOK ISLANDS	62	102	310	314	295	207	101 1,391

Table 17: Number of Chickens by Location of Household and Size of Chicken Holding

Location of Household	Size of Chicken Holding						
	1-4	5-9	10-19	20-29	30-49	50-99	100 & over Total
Pue-Matavera	7	6	154	188	230	210	100 895
Tupapa-Maraerenga	1	9	39	60	210	110	- 429
Takuvaine-Parekura	3	32	166	125	344	500	300 1,470
Tutakimoa-Teotue	-	5	52	166	30	59	100 412
Avatiu-Ruatonga	8	21	159	601	515	623	880 2,807
Nikao-Panara	3	17	133	159	130	320	400 1,162
Ruaau-Arorangi	19	6	122	290	299	400	200 1,336
Murienua-Arorangi	11	53	160	170	270	665	300 1,629
Titikaveka	4	7	108	167	60	100	200 646
Ngatangia	2	19	79	180	180	152	200 812
Matavera	4	-	115	165	375	490	300 1,449
RAROTONGA	62	175	1,287	2,271	2,643	3,629	2,980 13,047
Aitutaki	19	80	540	1,030	1,875	2,420	3,696 9,660
Mangaia	29	136	561	848	871	977	700 4,122
Atiu	5	29	192	608	1,237	1,725	2,320 6,116
Mauke	3	12	140	576	1,100	1,040	650 3,521
Mitiaro	8	41	94	211	260	210	500 1,324
OTHER SOUTHERN IS.	64	298	1,527	3,273	5,343	6,372	7,866 24,743
Palmerston	-	-	12	20	-	150	300 482
Pukapuka	10	24	364	479	1,000	310	1,130 3,317
Nassau	-	-	25	20	280	260	150 735
Manihiki	4	22	216	359	309	526	214 1,650
Rakahanga	10	42	56	45	30	-	- 183
Penrhyn	12	76	162	120	100	60	- 530
NORTHERN ISLANDS	36	164	835	1,043	1,719	1,306	1,794 6,857
COOK ISLANDS	162	637	3,649	6,587	9,705	11,307	12,640 44,687

Table 18: Number of Households Keeping Goats by Location of Household and Size of Goat Holding

Location of Household	Size of Goat Holding						50 & over	Total
	1-4	5-9	10-19	20-29	30-49	50 & over		
Pue-Matavera	22	5	2	1	-	-	-	30
Tupapa-Maraerenga	12	4	1	-	-	-	-	17
Takuvaine-Parekura	16	2	4	-	-	-	-	22
Tutakimoa-Teotue	3	-	-	-	-	-	-	3
Avatiu-Ruatonga	24	11	3	-	-	-	-	39
Nikao-Panama	17	7	3	1	-	-	-	28
Ruaau-Arorangi	40	2	2	3	1	1	-	49
Murienua-Arorangi	40	13	7	3	2	-	-	58
Titikaveka	25	10	7	1	1	1	-	45
Ngatangila	29	4	2	1	-	-	-	36
Matavera	20	5	6	-	-	-	-	31
RAROTONGA	248	63	33	7	4	3	-	358
Aitutaki	94	42	15	3	1	2	-	157
Mangaia	56	16	16	2	5	2	-	107
Atiu	40	32	20	6	5	3	-	106
Mauke	25	21	12	3	4	2	-	67
Mitiaro	16	2	-	-	-	-	-	18
OTHER SOUTHERN IS.	241	113	63	14	15	9	-	455
Palmerston	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	-	-	-	-
COOK ISLANDS	489	176	96	21	19	12	-	813

Table 19: Number of Goats by Location of Household and Size of Goat Holding

Location of Household	Size of Goat Holding						50 & over	Total
	1-4	5-9	10-19	20-29	30-49	50 & over		
Pue-Matavera	35	32	29	20	-	-	-	116
Tupapa-Maraerenga	22	27	12	-	-	-	-	61
Takuvaine-Parekura	35	12	52	-	-	-	-	99
Tutakimoa-Teotue	8	-	-	-	-	-	-	8
Avatiu-Ruatonga	46	77	37	-	-	-	-	220
Nikao-Panama	39	49	53	22	-	-	-	163
Ruaau-Arorangi	70	12	24	63	31	55	-	255
Murienua-Arorangi	77	78	50	-	77	-	-	282
Titikaveka	49	64	96	21	30	73	-	333
Ngatangila	56	29	22	22	-	-	-	129
Matavera	40	31	86	-	-	-	-	157
RAROTONGA	477	411	461	148	138	188	-	1823
Aitutaki	209	268	213	66	30	170	-	956
Mangaia	141	112	210	45	170	175	-	853
Atiu	97	207	246	131	158	270	-	1109
Mauke	60	132	151	75	143	120	-	681
Mitiaro	36	12	-	-	-	-	-	48
OTHER SOUTHERN IS.	543	731	820	317	501	735	-	3647
Palmerston	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	-	-	-	-
COOK ISLANDS	1020	1142	1281	465	639	923	-	5470

Table 20: Number of Households Keeping Horses by Location of Household and Size of Horse Holding

Location of Household	Size of Horse Holding					Total
	1	2	3	4	5 & over	
Pue-Matavera	4	1	-	-	-	5
Tupapa-Maraerenga	3	-	-	-	-	3
Takuvaine-Parekura	5	-	-	1	-	6
Tutakimoa-Teotue	-	-	-	-	-	-
Avatiu-Ruatonga	6	3	1	-	-	10
Nikao-Panama	6	-	-	-	-	6
Ruaau-Arurangi	15	3	-	1	1	20
Murienua-Arorangi	28	7	3	1	1	40
Titikaveka	16	8	1	2	-	27
Ngatangia	9	5	1	3	-	18
Matavera	8	2	1	-	2	13
RAROTONGA	100	29	7	8	4	148
Aitutaki	21	5	2	2	-	30
Mangaia	25	7	2	-	-	34
Atiu	1	1	1	-	-	3
Mauke	4	6	-	1	-	11
Mitiaro	-	-	-	-	-	-
OTHER SOUTHERN IS.	51	19	5	3	-	78
Palmerston	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	-	-
COOK ISLANDS	151	48	12	11	4	226

Table 21: Number of Horses by Location of Household and Size of Horse Holding

Location of Household	Size of Horse Holding					Total
	1	2	3	4	5 & over	
Pue-Matavera	4	2	-	-	-	6
Tupapa-Maraerenga	3	-	-	-	-	3
Takuvaine-Parekura	5	-	-	4	-	9
Tutakimoa-Teotue	-	-	-	-	-	-
Avatiu-Ruatonga	6	6	3	-	-	15
Nikao-Panama	6	-	-	-	-	6
Ruaau-Arurangi	15	6	-	4	7	32
Murienua-Arorangi	28	14	9	4	11	66
Titikaveka	16	16	3	8	-	43
Ngatangia	9	10	3	12	-	34
Matavera	8	4	3	-	10	25
RAROTONGA	100	58	21	32	28	239
Aitutaki	21	10	6	8	-	45
Mangaia	25	14	6	-	-	45
Atiu	1	2	3	-	-	6
Mauke	4	12	-	4	-	20
Mitiaro	-	-	-	-	-	-
OTHER SOUTHERN IS.	51	38	15	12	-	116
Palmerston	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	-	-
COOK ISLANDS	151	96	36	44	28	355

Table 22: Coconuts Used for Human Consumption - Number of Households, Number of Households using Coconuts, Total Weekly and Average Weekly Consumption by Location of Household

Location of Household	Total Number of Households	Number of Households Using Coconuts	Total Weekly Consumption	Average Weekly Consumption per Household*
Pue-Matavera	171	118	633	5.4
Tupapa-Maraerenga	105	85	446	5.2
Takuvaine-Parekura	149	100	636	6.4
Tutakimoa-Teotue	83	70	389	5.6
Avatiu-Ruatonga	190	126	699	5.5
Nikao-Panama	228	166	744	4.5
Ruaau-Arorangi	175	127	927	7.3
Murienua-Arorangi	259	178	1454	8.2
Titikaveka	232	171	1278	7.5
Ngatangia	126	94	943	10.0
Matavera	113	80	812	10.2
RAROTONGA	1831	1315	8961	6.8
Aitutaki	410	394	9776	24.8
Mangai	222	214	4761	22.2
Atiu	172	168	3844	22.9
Mauke	114	106	2990	28.2
Mitiaro	50	50	916	18.3
OTHER SOUTHERN IS.	968	932	22287	23.9
Palmerston	9	9	174	19.3
Pukapuka	116	115	4335	37.7
Nassau	18	18	560	31.1
Manihiki	82	80	2231	27.9
Rakahanga	49	49	1289	26.3
Penrhyn	97	97	2157	22.2
NORTHERN ISLANDS	371	368	10746	29.2
COOK ISLANDS	3170	2615	41994	16.1

* Households using Coconuts for Human Consumption

Table 23: Coconuts Used for Feeding Animals - Number of Households, Number of Households using Coconuts, Total Weekly and Average Weekly Consumption by Location of Household

Location of Household	Total Number of Households	Number of Households Using Coconuts	Total Weekly Consumption	Average Weekly Consumption per Household*
Pue-Matavera	171	80	2394	29.9
Tupapa-Maraerenga	105	49	1137	23.2
Takuvaine-Parekura	149	60	1298	21.6
Tutakimoa-Teotue	83	26	509	19.6
Avatiu-Ruatonga	190	97	2064	21.3
Nikao-Panama	228	94	1768	18.8
Ruaau-Arorangi	175	97	3717	38.3
Murienua-Arorangi	259	130	3055	23.5
Titikaveka	232	110	4528	41.2
Ngatangia	126	74	3297	44.6
Matavera	113	66	2655	40.2
RAROTONGA	1831	883	26422	29.9
Aitutaki	410	292	23920	81.9
Mangai	222	206	18741	91.0
Atiu	172	154	22281	144.7
Mauke	114	103	11919	115.7
Mitiaro	50	48	3203	66.7
OTHER SOUTHERN IS.	968	803	80064	99.7
Palmerston	9	9	1009	112.1
Pukapuka	116	109	7879	72.3
Nassau	18	17	813	47.8
Manihiki	82	73	7651	104.8
Rakahanga	49	42	2459	58.5
Penrhyn	97	75	3156	42.1
NORTHERN ISLANDS	371	325	22967	70.7
COOK ISLANDS	3170	2011	129453	64.4

* Households using Coconuts for Feeding Animals

**Table 24: Number of Persons in Agriculturally Active Households by Sex,
Location of Household and Age Group**

Location of Household	Sex and Age Group						
	MALE			FEMALE			TOTAL
	Under 10	10 and over	Total	Under 10	10 and over	Total	
Pue-Matavera	42	171	213	48	146	194	317
Tupapa-Maraerenga	40	117	157	37	97	134	291
Takuvaine-Parekura	44	178	222	52	158	210	432
Tutakimoa-Teotue	13	51	64	17	57	74	108
Avatiu-Ruatonga	57	263	320	55	221	276	484
Nikao-Panama	60	176	236	50	187	237	363
Ruaau-Arorangi	60	208	268	61	172	233	380
Murienua-Arorangi	121	374	495	93	333	426	707
Titikaveka	82	272	354	70	247	317	519
Ngatangia	37	151	188	31	116	147	267
Matavera	50	138	188	41	151	192	289
RAROTONGA	606	2099	2705	555	1885	2440	5145
Aitutaki	320	708	1028	283	677	960	1385
Mangaia	162	437	599	156	395	551	832
Atiu	106	361	467	131	319	450	680
Mauke	105	213	318	77	210	287	423
Mitiaro	36	86	122	28	70	98	156
OTHER SOUTHERN IS.	729	1805	2534	675	1671	2346	4880
Palmerston	8	26	34	9	17	26	43
Pukapuka	109	213	322	125	231	356	678
Nassau	13	36	49	18	31	49	67
Manihiki	52	134	186	53	133	186	267
Rakahanga	39	88	127	31	86	117	174
Penrhyn	56	156	212	60	138	198	294
NORTHERN ISLANDS	277	653	930	296	636	932	1862
COOK ISLANDS	1612	4557	6169	1526	4192	5718	11887

Table 25: Number of Persons Working in an Unpaid Capacity on Holdings during the Month Prior to Enumeration (August 1988) by Status, Sex, Location of Household and Age Group

Household Membership Status: NON-MEMBER

Sex: MALE

Location of Household	Age Group				Total
	10-19	20-39	40-59	60 & over	
Rarotonga	16	43	7	6	72
Aitutaki	—	4	—	—	4
Mangaia	6	3	—	—	9
Atiu	2	2	1	—	5
Mauke	1	5	—	—	6
Mitiaro	—	—	—	—	—
Palmerston	—	—	—	—	—
Pukapuka	—	—	—	—	—
Nassau	—	—	—	—	—
Manihiki	—	—	—	—	—
Rakahanga	—	—	—	—	—
Penrhyn	—	—	—	—	—
COOK ISLANDS	25	57	8	6	96

Sex: FEMALE

Rarotonga	1	5	1	—	7
Aitutaki	—	—	—	—	—
Mangaia	—	—	—	—	—
Atiu	—	—	1	—	1
Mauke	—	—	—	—	—
Mitiaro	—	—	—	—	—
Palmerston	1	—	—	—	1
Pukapuka	1	1	—	—	2
Nassau	—	—	—	—	—
Manihiki	—	—	—	—	—
Rakahanga	—	—	—	—	—
Penrhyn	—	—	—	—	—
COOK ISLANDS	3	6	2	—	11

Sex: TOTAL

Rarotonga	17	48	8	6	79
Aitutaki	—	4	—	—	4
Mangaia	6	3	—	—	9
Atiu	2	2	2	—	6
Mauke	1	5	—	—	6
Mitiaro	—	—	—	—	—
Palmerston	1	—	—	—	1
Pukapuka	1	1	—	—	2
Nassau	—	—	—	—	—
Manihiki	—	—	—	—	—
Rakahanga	—	—	—	—	—
Penrhyn	—	—	—	—	—
COOK ISLANDS	28	63	10	6	107

Table 25: Number of Persons Working in an Unpaid Capacity on Holdings during the Month Prior to Enumeration by Status, Sex, Location of Household and Age Group (continued)

Household Membership Status: MEMBER

Sex: MALE

Location of Household	Age Group				Total
	10-19	20-39	40-59	60 and over	
Rarotonga	476	523	437	129	1565
Aitutaki	198	170	150	57	575
Mangaia	141	119	78	51	389
Atiu	101	74	76	30	281
Mauke	69	45	41	20	175
Mitiaro	19	21	15	13	68
Palmerston	—	1	—	4	5
Pukapuka	49	53	43	25	170
Nassau	7	8	4	1	20
Manihiki	1	9	4	5	19
Rakahanga	16	10	12	2	40
Penrhyn	2	—	3	4	9
COOK ISLANDS	1079	1033	863	341	3316

Sex: FEMALE

Rarotonga	241	267	240	51	799
Aitutaki	76	78	69	13	236
Mangaia	98	55	62	14	229
Atiu	29	22	28	5	84
Mauke	30	29	26	9	94
Mitiaro	4	5	4	1	14
Palmerston	—	2	1	1	4
Pukapuka	54	66	46	14	180
Nassau	10	12	6	1	29
Manihiki	—	4	2	—	6
Rakahanga	6	10	10	—	26
Penrhyn	—	—	—	—	—
COOK ISLANDS	548	550	494	109	1701

Sex: TOTAL

Rarotonga	717	790	677	180	2364
Aitutaki	274	248	219	70	811
Mangaia	239	174	140	65	618
Atiu	130	96	104	35	365
Mauke	99	74	67	29	269
Mitiaro	23	26	19	14	82
Palmerston	—	3	1	5	9
Pukapuka	103	119	89	39	350
Nassau	17	20	10	2	49
Manihiki	1	13	6	5	25
Rakahanga	22	20	22	2	66
Penrhyn	2	—	3	4	9
COOK ISLANDS	1627	1583	1357	450	5017

Table 25: Number of Persons Working in an Unpaid Capacity on Holdings during the Month Prior to Enumeration by Status, Sex, Location of Household and Age Group (continued)

Household Membership Status: MEMBER AND NON-MEMBER

Sex: MALE

Location of Household	Age Group				Total
	10-19	20-39	40-59	60 and over	
Rarotonga	492	566	444	135	1637
Aitutaki	198	174	150	57	579
Mangaia	147	122	78	51	398
Atiu	103	76	77	30	286
Mauke	70	50	41	20	181
Mitiaro	19	21	15	13	68
Palmerston	—	1	—	4	5
Pukapuka	49	53	43	25	170
Nassau	7	8	4	1	20
Manihiki	1	9	4	5	19
Rakahanga	16	10	12	2	40
Penrhyn	2	—	3	4	9
COOK ISLANDS	1104	1090	871	347	3412

Sex: FEMALE

Rarotonga	242	272	241	51	806
Aitutaki	76	78	69	13	236
Mangaia	98	55	62	14	229
Atiu	29	22	29	5	85
Mauke	30	29	26	9	94
Mitiaro	4	5	4	1	14
Palmerston	1	2	1	1	5
Pukapuka	55	67	46	14	182
Nassau	10	12	6	1	29
Manihiki	—	4	2	—	6
Rakahanga	6	10	10	—	26
Penrhyn	—	—	—	—	—
COOK ISLANDS	551	556	496	109	1712

Sex: TOTAL

Rarotonga	734	838	685	186	2443
Aitutaki	274	252	219	70	815
Mangaia	245	177	140	65	627
Atiu	132	98	106	35	371
Mauke	100	79	67	29	275
Mitiaro	23	26	19	14	82
Palmerston	1	3	1	5	10
Pukapuka	104	120	89	39	352
Nassau	17	20	10	2	49
Manihiki	1	13	6	5	25
Rakahanga	22	20	22	2	66
Penrhyn	2	—	3	4	9
COOK ISLANDS	1655	1646	1367	456	5124

Table 26: Number of Persons Working in an Unpaid Capacity on Holdings during the Month Prior to Enumeration (August 1988) by Sex, Location of Household and Paid Employment Status

Sex: MALE

Location of Household	Paid Employment Status				
	No employment	Full-time only	Part-time only	Both full and part-time	All workers
Rarotonga	514	1006	79	38	1637
Aitutaki	303	232	41	3	579
Mangaia	215	161	18	4	398
Atiu	119	95	70	2	286
Mauke	99	74	7	1	181
Mitiaro	31	36	0	1	68
Palmerston	2	2	1	0	5
Pukapuka	143	27	0	0	170
Nassau	6	2	12	0	20
Manihiki	13	6	0	0	19
Rakahanga	32	6	2	0	40
Penrhyn	7	2	0	0	9
COOK ISLANDS	1484	1649	230	49	3412

Sex: FEMALE

Rarotonga	382	348	58	18	806
Aitutaki	189	38	9	0	236
Mangaia	200	23	5	1	229
Atiu	52	11	22	0	85
Mauke	78	11	5	0	94
Mitiaro	13	1	0	0	14
Palmerston	1	1	3	0	5
Pukapuka	176	6	0	0	182
Nassau	5	1	23	0	29
Manihiki	4	2	0	0	6
Rakahanga	18	6	2	0	26
Penrhyn	0	0	0	0	0
COOK ISLANDS	1118	448	127	19	1712

Sex: TOTAL

Rarotonga	896	1354	137	56	2443
Aitutaki	492	270	50	3	815
Mangaia	415	184	23	5	627
Atiu	171	106	92	2	371
Mauke	177	85	12	1	275
Mitiaro	44	37	0	1	82
Palmerston	3	3	4	0	10
Pukapuka	319	33	0	0	352
Nassau	11	3	35	0	49
Manihiki	17	8	0	0	25
Rakahanga	50	12	4	0	66
Penrhyn	7	2	0	0	9
COOK ISLANDS	2602	2097	357	68	5124

Table 26A: Average Hours Worked per Week by Persons Working in an Unpaid Capacity on Holdings during the Month Prior to Enumeration (August 1988) by Sex, Location of Household and Paid Employment Status

Sex: MALE

Location of Household	Paid Employment Status				
	No employment	Full-time only	Part-time only	Both full and part-time	All workers
Rarotonga	15	10	15	13	12
Aitutaki	11	9	14	15	11
Mangaia	17	12	20	11	15
Atiu	14	14	20	5	16
Mauke	14	13	21	17	14
Mitiaro	19	15	—	10	17
Palmerston	17	9	30	—	16
Pukapuka	7	9	—	—	8
Nassau	16	12	12	—	13
Manihiki	14	12	—	—	13
Rakahanga	7	7	4	—	7
Penrhyn	22	15	—	—	21
COOK ISLANDS	13	11	17	13	12

Sex: FEMALE

Rarotonga	9	7	11	9	8
Aitutaki	8	6	7	—	8
Mangaia	11	9	7	14	11
Atiu	6	6	16	—	8
Mauke	8	9	8	—	8
Mitiaro	7	5	—	—	7
Palmerston	4	12	22	—	16
Pukapuka	11	19	—	—	11
Nassau	17	15	14	—	15
Manihiki	13	13	—	—	13
Rakahanga	5	3	4	—	4
Penrhyn	—	—	—	—	—
COOK ISLANDS	9	7	12	9	9

Sex: TOTAL

Rarotonga	12	9	13	12	11
Aitutaki	10	9	13	15	10
Mangaia	14	12	17	11	14
Atiu	12	14	19	5	14
Mauke	11	12	16	17	12
Mitiaro	16	14	—	10	15
Palmerston	13	10	24	—	16
Pukapuka	9	11	—	—	9
Nassau	17	13	13	—	14
Manihiki	14	12	—	—	13
Rakahanga	6	5	4	—	6
Penrhyn	22	15	—	—	21
COOK ISLANDS	12	10	15	12	11

Table 27: Number of Agriculturally Active Households by Location of Household and Proportion of Household's Total Income Usually Derived from Agricultural Activities

Location of Household	Proportion of Income					Total
	None	1/4	1/2	3/4	All	
Pue-Matavera	71	5	2	-	1	79
Tupapa-Maraerenga	47	6	1	1	-	55
Takuvaine-Parekura	70	4	1	-	-	75
Tutakimoa-Teotue	24	1	-	-	-	25
Avatiu-Ruatonga	91	10	3	-	1	105
Nikao-Panama	74	10	1	-	2	87
Ruaau-Arorangi	64	17	3	-	6	90
Murienua-Arorangi	125	29	8	4	4	170
Titikaveka	71	41	9	8	5	134
Ngatangiia	42	14	10	2	1	69
Matavera	41	16	6	1	7	71
RAROTONGA	720	153	44	16	27	960
Aitutaki	193	104	28	17	3	345
Mangaia	138	36	21	10	-	205
Atiu	116	34	7	1	-	158
Mauke	59	14	20	4	-	97
Mitiaro	44	-	-	-	-	44
OTHER SOUTHERN IS.	550	188	76	32	3	849
Palmerston	9	-	-	-	-	9
Pukapuka	99	-	-	-	-	99
Nassau	18	-	-	-	-	18
Manihiki	75	2	-	-	-	77
Rakahanga	18	21	2	-	-	41
Penrhyn	78	4	-	-	-	82
NORTHERN ISLANDS	297	27	2	-	-	326
COOK ISLANDS	1567	368	122	48	30	2135

Table 28: Number of Agriculturally Active Households by Location of Household and Source of Agricultural Loans

Location of Household	Source of Agricultural loan					Total
	Development Bank	Economic Development Fund	Other Sources	Development Bank plus Economic Fund	No loan	
Pue-Matavera	3	-	10	-	66	79
Tupapa-Maraerenga	-	-	1	-	54	55
Takuvaine-Parekura	-	-	1	-	74	75
Tutakimoa-Teotue	-	-	-	-	25	25
Avatiu-Ruatonga	1	3	1	-	100	105
Nikao-Panama	4	-	2	-	81	87
Ruaau-Arorangi	9	-	2	-	79	90
Murienua-Arorangi	7	-	2	-	161	170
Titikaveka	13	2	2	-	117	134
Ngatangia	12	1	-	-	56	69
Matavera	7	-	-	-	64	71
RAROTONGA	56	6	21	-	877	960
Aitutaki	2	156	-	25	162	345
Mangaia	36	1	5	-	163	205
Atiu	6	-	5	-	147	158
Mauke	15	1	1	-	80	97
Mitiaro	-	-	1	-	43	44
OTHER SOUTHERN IS.	59	158	12	25	595	849
Palmerston	-	-	-	-	9	9
Pukapuka	-	-	-	-	99	99
Nassau	-	-	-	-	18	18
Manihiki	-	-	-	-	77	77
Rakahanga	-	-	-	-	41	41
Penrhyn	-	-	-	-	82	82
NORTHERN ISLANDS	-	-	-	-	326	326
COOK ISLANDS	115	164	33	25	1798	2135

Table 29: Number of Households Owning Equipment by Location of Household and Type of Equipment

Location of Household	TYPE OF EQUIPMENT															
	Manual Equipment					Mechanical Equipment										
	Digging spade	Digging fork	Shovel	Bush knife	Copra driers	Reap hook	Other manual eqpmnt	Tractor	Vehicle	Rotovator/Gravelly Slasher	Weed eater	Chain-saw	Sprayer*	Trailer	Tractor	Other eqpmnt
Pue-Matavera	68	52	71	73	50	18	12	8	23	16	3	33	19	21	1	12
Tupapa-Maraereanga	46	39	49	53	37	12	10	3	24	12	2	23	12	17	-	8
Takuvaine-Parekura	64	49	72	72	55	26	43	1	11	7	-	38	17	20	-	2
Tutakimoa-Teotue	17	13	21	24	12	4	1	1	7	4	1	2	3	5	-	2
Avatiu-Ruatonga	86	68	99	103	77	3	3	5	35	21	3	51	24	29	-	4
Nikao-Panama	76	53	79	82	64	47	31	10	44	20	2	31	14	32	-	13
Ruaau-Arorangi	87	62	87	88	66	17	14	26	63	32	12	46	44	50	1	22
Murienua-Arorangi	144	107	148	159	107	64	39	22	93	30	22	52	37	67	1	59
Titikaveka	118	93	124	128	84	8	14	31	66	47	23	41	54	97	1	31
Ngatangia	62	50	62	66	52	28	13	19	39	11	9	32	32	59	-	16
Matavera	65	51	66	70	50	10	10	9	33	18	4	20	23	42	1	12
RAROTONGA	833	637	878	918	654	237	190	135	438	218	81	369	279	439	5	181
Aitutaki	293	141	309	333	251	170	224	19	67	11	5	9	70	170	-	17
Mangaia	164	22	195	203	137	47	76	4	70	3	1	20	48	54	-	6
Atiu	136	68	147	157	132	5	7	7	63	7	3	10	32	26	-	25
Mauke	85	49	85	96	87	29	18	3	60	2	1	17	43	23	-	2
Mitiaro	24	28	37	42	33	22	4	-	-	-	-	-	-	-	-	-
OTHER SOUTHERN IS.	702	308	773	831	640	273	329	33	260	23	10	56	193	273	-	50
Palmerston	6	2	6	6	6	-	-	1	-	-	2	-	4	1	-	3
Pukapuka	57	70	74	86	67	-	2	-	5	-	-	-	6	-	-	-
Nassau	16	17	18	18	18	-	-	1	-	-	-	-	1	-	-	-
Manihiki	16	5	25	28	18	-	-	-	5	-	-	-	4	-	-	-
Rakahanga	31	7	33	35	11	-	7	1	3	-	-	-	4	-	-	-
Penrhyn	6	9	10	28	11	13	3	-	12	-	-	-	-	-	-	-
NORTHERN ISLANDS	132	110	166	201	131	13	12	3	25	-	2	-	19	1	-	3
COOK ISLANDS	667	1055	1817	1950	1425	523	531	171	723	241	93	425	491	713	5	234

* including both manual and mechanical sprayers

Table 30: Number of Items of Equipment Owned by Location of Household and Type of Equipment

Location of Household	TYPE OF EQUIPMENT									
	Manual Equipment					Mechanical Equipment				
	Digging spade	Digging fork	Shovel	Bush knife	Axe	Copra driers	Reap hook	Other manual eqmnt	Tractor	Vehicle
									Rotatorator/Gravely	Slasher
									Weed eater	Chain-saw
									Sprayer*	Tractor loader
									Other mechnl eqmnt	
Pue-Matavera	99	67	149	135	60	-	33	15	8	26
Tupapa-Maraeenga	62	52	89	99	41	-	23	11	4	39
Takuvaine-Parekura	90	62	148	163	72	-	50	56	1	12
Tutakimoa-Teotue	20	15	34	46	13	-	4	1	1	8
Avatiu-Ruatonga	120	84	230	234	90	-	6	3	5	41
Nikao-Panama	102	67	172	159	76	-	91	40	10	56
Ruaau-Arorangi	147	85	195	202	86	-	34	24	28	114
Murienua-Arorangi	191	128	314	333	130	-	126	54	28	155
Titikaveka	155	112	235	263	103	1	13	19	35	73
Ngatangia	93	63	145	142	65	-	81	15	21	54
Matavera	97	60	148	162	65	-	26	14	11	38
RAROTONGA	1176	795	1859	1938	801	1	487	252	152	616
Aitutaki	425	159	518	748	289	7	275	263	24	91
Mangaia	222	23	330	499	145	-	57	122	4	92
Atiu	177	79	234	392	176	5	8	18	8	95
Mauke	136	56	157	204	126	1	45	22	4	91
Mitiaro	26	29	44	70	42	-	24	6	-	-
OTHER SOUTHERN IS.	986	346	1283	1913	778	13	409	431	40	369
Palmerston	12	3	15	20	11	6	-	-	1	-
Pukapuka	68	94	123	231	119	-	-	3	-	5
Nassau	18	28	28	65	29	-	-	-	1	-
Manihiki	24	5	55	56	30	-	-	-	-	5
Rakahanga	40	7	49	69	13	22	-	11	1	4
Penrhyn	6	9	10	28	11	2	13	3	-	13
NORTHERN ISLANDS	168	146	280	469	213	42	13	17	3	27
COOK ISLANDS	2330	1287	3422	4320	1792	56	909	700	195	1012
									265	101
									463	581
									840	5
									260	

* including both manual and mechanical sprayers

Table 31: Number of Households Hiring Equipment in the 12 months Preceding the Census by Location of Household and Type of Equipment

Location of Household	Manual Equipment					TYPE OF EQUIPMENT							
	Digging spade	Digging fork	Shovel	Bush knife	Copra driers	Reap hook	Other manual eqpmnt	Tractor	Vehicle	Mechanical Equipment	Weed eater	Chain-saw	Trailer/Tractor mechnc'l loader eqpmnt
Pue-Matavera	-	-	-	-	-	-	-	4	1	-	1	1	-
Tupapa-Maraerenga	-	-	-	-	-	-	-	22	-	-	18	-	-
Takuvaine-Parekura	-	-	-	-	1	-	-	8	1	1	7	-	1
Tutakimoa-Teotue	-	-	-	-	-	-	-	2	-	-	-	-	-
Avatiu-Ruatonga	1	-	-	-	-	-	-	27	3	2	8	4	-
Nikao-Panama	-	-	-	-	-	-	-	15	2	1	9	1	-
Ruaau-Arorangi	-	-	-	-	-	-	-	30	1	2	7	2	-
Murienua-Arorangi	1	1	-	-	2	-	-	56	5	2	15	-	-
Titikaveka	2	1	1	1	1	-	-	65	11	7	35	4	-
Ngatangia	-	-	-	-	-	-	-	14	1	3	9	1	-
Matavera	-	-	-	1	1	-	-	31	5	4	26	4	-
RAROTONGA	4	2	1	2	5	-	-	274	30	22	135	17	13
Atutaki	6	-	-	2	2	2	-	241	46	35	109	5	4
Mangaia	4	-	1	-	2	-	-	91	14	11	85	6	3
Atiu	-	1	1	-	1	-	-	110	31	84	103	66	124
Hauke	1	-	-	1	1	2	-	65	21	13	56	4	4
Mitiaro	1	-	-	-	-	-	-	5	1	2	-	-	-
OTHER SOUTHERN IS.	12	1	3	3	6	-	-	512	113	145	353	81	149
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	1	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	2	-	-	23	-	-	-	3	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	2	-	-	24	-	-	-	3	-
COOK ISLANDS	16	3	4	5	13	-	-	810	143	167	488	98	162
						4	-					4	132

* including both manual and mechanical sprayers

Table 32: Number of Households Borrowing Equipment in the 12 months Preceding the Census by Location of Household and Type of Equipment

Location of Household	TYPE OF EQUIPMENT									
	Manual Equipment					Mechanical Equipment				
	Digging spade	Digging fork	Shovel	Bush knife	Axe	Copra driers	Reap hook	Other manual eqpmnt	Tractor	Vehicle
									Rotovator/Gravelly	Slasher
									Weed eater	Chain-saw
									Sprayer*	Trailer/Tractor loader
										Other eqpmnt
Pue-Matavera	2	2	2	1	-	-	-	-	1	4
Tupapa-Maraerenga	4	4	1	-	3	-	-	-	-	-
Takuvaine-Parekura	8	5	7	3	2	1	-	-	3	3
Tutakimoa-Teotue	1	1	-	-	3	-	-	-	1	-
Avatiu-Ruatonga	3	2	1	-	4	-	-	-	5	-
Nikao-Panama	3	8	7	3	5	-	3	-	8	-
Ruaau-Arorangi	2	1	2	-	1	-	-	-	3	-
Murienua-Arorangi	5	5	7	3	5	-	2	-	8	-
Titikaveka	11	14	4	4	13	-	-	2	36	-
Ngatangila	5	5	5	-	4	-	-	-	19	-
Matavera	4	5	2	1	9	-	-	4	22	-
RAROTONGA	48	52	38	15	49	1	5	6	99	18
Aitutaki	40	16	33	6	29	-	4	26	17	5
Mangaia	15	4	12	2	11	-	2	3	10	2
Atiu	17	40	7	1	8	-	-	-	11	1
Maue	13	13	7	-	4	-	-	-	16	3
Mitiaro	6	6	4	1	6	-	-	-	8	-
OTHER SOUTHERN IS.	91	79	63	10	58	-	6	29	45	11
Palmerston	-	-	-	-	-	-	-	-	-	-
Pukapuka	13	4	8	1	5	-	-	-	-	-
Nassau	8	3	8	1	4	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-	-	-	-
Rakahanga	9	3	6	3	14	1	-	-	5	-
Penrhyn	-	-	-	-	-	-	-	-	-	-
NORTHERN ISLANDS	30	10	22	5	23	1	-	-	5	-
COOK ISLANDS	169	141	123	30	130	2	11	35	134	29

* including both manual and mechanical sprayers

Table 33: Number of Holdings by Location of Land and Size of Holding

Location of Land	Size of Holding (Acres)										Total	
	Less than											10.00 & over
	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					
Pue-Matavera	2	13	24	19	8	8	3	-	77			
Tupapa-Maraerenga	-	7	16	12	7	8	1	1	52			
Takuvaine-Parekura	11	30	13	13	4	5	3	-	79			
Tutakimoa-Teotue	2	8	9	5	1	-	-	-	25			
Avatiu-Ruatonga	15	24	25	20	9	9	6	-	108			
Nikao-Panama	6	25	23	11	10	3	3	1	82			
Ruaau-Arorangi	1	7	17	19	15	10	11	7	87			
Murienua-Arorangi	3	27	38	39	23	20	16	6	172			
Titikaveka	-	14	23	30	17	13	26	12	135			
Ngatangiaia	-	9	14	18	10	10	2	8	71			
Matavera	1	14	13	20	11	7	8	3	77			
RAROTONGA	41	178	215	206	115	93	79	38	965			
Aitutaki	2	18	33	74	82	91	71	23	394			
Mangaia	-	2	17	38	36	49	47	15	204			
Atiu	1	1	4	26	27	44	34	22	159			
Mauke	-	-	5	12	13	20	39	8	97			
Mitiaro	-	-	2	17	16	6	4	-	45			
OTHER SOUTHERN IS.	3	21	61	167	174	210	195	68	899			
Palmerston	-	-	-	2	3	1	3	-	9			
Pukapuka	-	1	47	38	7	5	-	-	98			
Nassau	-	-	5	6	5	2	-	-	18			
Manihiki	1	1	10	9	18	27	8	2	76			
Rakahanga	-	9	3	8	8	10	3	-	41			
Penrhyn	1	11	13	33	19	1	2	2	82			
NORTHERN ISLANDS	2	22	78	96	60	46	16	4	324			
COOK ISLANDS	46	221	354	469	349	349	290	110	2188			

Table 34: Area (acres) of Holdings by Location of Land and Size of Holding

Location of Land	Size of Holding (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 & over Total
Pue-Matavera	.3	3.3	13.8	24.7	19.0	28.5	16.8	106.2
Tupapa-Maraerenga	-	2.0	9.4	15.9	16.3	28.8	5.0	89.1
Takuvaine-Parekura	1.4	7.8	7.9	16.4	8.8	17.0	19.6	78.8
Tutakimoa-Teotue	.3	2.2	5.4	5.8	2.8	-	-	16.3
Avatiu-Ruatonga	2.1	6.2	15.3	23.4	20.1	31.0	33.8	131.9
Nikao-Panama	.9	6.6	14.4	13.5	23.8	9.3	22.4	103.2
Ruaau-Arorangi	.1	1.9	11.1	25.2	34.4	38.8	67.8	258.3
Murienua-Arorangi	.4	7.2	23.3	50.3	53.5	76.0	100.8	388.1
Titikaveka	-	3.8	14.8	40.0	37.1	47.0	165.8	217.6
Ngatangilia	-	2.3	8.6	24.1	24.8	36.5	14.0	104.8
Matavera	.1	3.7	8.4	28.0	27.0	25.5	51.0	186.5
RAKOTONGA	5.6	46.8	132.2	267.3	267.5	338.4	496.8	2099.6
Aitutaki	.3	4.6	21.4	99.2	194.6	332.4	468.0	1439.6
Mangaia	-	.5	9.8	53.0	84.2	179.7	308.5	861.2
Atiu	.1	.3	2.0	34.5	60.6	155.8	214.0	802.3
Mauke	-	-	3.3	15.9	29.3	78.0	264.5	550.7
Mitiaro	-	-	1.5	20.6	35.0	21.6	24.0	102.8
OTHER SOUTHERN IS.	.4	5.4	37.9	223.3	403.6	767.4	1279.1	3756.4
Palmerston	-	-	-	2.0	6.3	4.0	18.0	30.2
Pukapuka	-	.3	26.8	44.3	16.5	16.5	-	104.4
Nassau	-	-	2.5	7.0	10.0	6.0	-	25.5
Manihiki	.1	.3	5.0	11.8	40.1	89.9	45.0	212.1
Rakahanga	-	2.4	1.8	10.5	17.0	34.5	16.5	82.6
Penrhyn	.1	2.8	6.8	37.5	39.0	4.0	11.0	124.1
NORTHERN ISLANDS	.3	5.6	42.9	113.0	128.9	154.9	90.5	579.0
COOK ISLANDS	6.3	57.8	213.0	603.6	799.9	1260.7	1866.3	6435.0

Table 35: Area (acres) of Holdings by Location of Household and Location of Land

Location of Household		Location of Land										
	Pue-Matavera	Tupapa-Maraerenga	Takuvaine-Parekura	Tutakimoa-Teotue	Kvatiu-Ruatonga	Nikao-Panama	Ruaau-Arorangi	Murienua-Arorangi	Titikaveka	Ngatangia	Matavera	RAKOTONGA
	99.9	.3	.8	-	.1	-	-	-	.8	-	1.3	102.4
	1.8	88.9	-	-	-	.8	1.9	-	-	.8	-	94.0
	-	-	76.8	-	-	-	-	-	-	-	-	77.6
	-	-	.3	15.9	-	-	-	-	-	-	-	16.2
	1.0	-	-	-	130.3	-	-	-	-	1.0	-	132.3
	-	-	1.0	.4	1.5	101.9	-	-	-	-	.8	105.5
	2.5	-	-	-	-	.5	256.5	4.8	-	-	-	264.2
	-	-	-	-	-	-	-	383.4	-	-	-	383.4
	-	-	-	-	-	-	-	-	525.4	-	-	525.4
	-	-	-	-	-	-	-	-	-	213.2	-	213.2
	-	-	-	-	-	-	-	-	-	-	184.4	184.4
RAKOTONGA	105.2	89.1	78.8	16.3	131.9	103.2	258.3	388.1	526.2	215.0	186.5	2098.6
Aitutaki	-	-	-	-	-	-	-	-	-	-	-	1.0
Mangaia	1.0	-	-	-	-	-	-	-	-	-	-	-
Atiu	-	-	-	-	-	-	-	-	-	-	-	-
Mauke	-	-	-	-	-	-	-	-	-	-	-	-
Mitiaro	-	-	-	-	-	-	-	-	-	-	-	-
OTHER SOUTHERN IS.	1.0	-	-	-	-	-	-	-	-	-	-	1.0
Palmerston	-	-	-	-	-	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-	-	-	-	-	-
Kanibiki	-	-	-	-	-	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	-	-	-	-	-	-	-	-
COOK ISLANDS	106.2	89.1	78.8	16.3	131.9	103.2	258.3	388.1	526.2	215.0	186.5	2099.6

Table 36: Number of Parcels by Location of Land and Size of Parcel

Location of Land	Size of Parcel (Acres)									Total
	Less than								10.00 & over	
	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			
Pue-Matavera	20	64	71	38	12	2	1	-	208	
Tupapa-Maraerenga	19	39	19	11	4	-	-	-	92	
Takuvaine-Parekura	44	57	19	17	5	1	2	-	145	
Tutakimoa-Teotue	7	12	10	4	1	-	-	-	34	
Avatiu-Ruatonga	49	103	41	33	6	6	-	-	238	
Nikao-Panama	23	58	45	30	6	3	5	-	170	
Ruaau-Arorangi	2	39	59	62	27	9	6	1	205	
Murienua-Arorangi	44	112	147	88	38	18	4	1	452	
Titikaveka	17	107	113	113	46	25	6	6	433	
Ngatangia	4	67	58	51	26	8	1	1	216	
Matavera	13	75	65	62	15	6	2	-	238	
RAROTONGA	242	733	647	509	186	78	27	9	2431	
Aitutaki	61	379	416	366	136	53	19	7	1437	
Mangaia	40	271	258	227	86	25	14	4	925	
Atiu	2	75	145	243	64	50	16	4	599	
Mauke	5	61	101	139	55	31	9	4	405	
Mitiaro	2	16	20	45	15	3	-	-	101	
OTHER SOUTHERN IS.	110	802	940	1020	356	162	58	19	3467	
Palmerston	-	-	-	2	3	1	3	-	9	
Pukapuka	22	74	56	39	6	-	-	-	197	
Nassau	-	-	5	6	5	2	-	-	18	
Manihiki	1	1	13	9	20	26	9	1	80	
Rakahanga	6	18	23	23	14	3	-	-	87	
Penrhyn	1	17	27	48	8	6	3	-	110	
NORTHERN ISLANDS	30	110	124	127	56	38	15	1	501	
COOK ISLANDS	382	1645	1711	1656	598	278	100	29	6399	

Table 37: Area (acres) of Parcels by Location of Land and Size of Parcel

Location of Land	Size of Parcel (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 & over	Total	
Pue-Matavera	2.6	16.1	41.4	44.1	26.0	6.0	5.0	-	141.2	
Tupapa-Maraerenga	2.5	9.9	10.5	13.5	8.5	-	-	-	44.9	
Takuvaine-Parekura	5.3	14.4	10.6	17.8	10.0	3.0	12.0	-	73.0	
Tutakimoa-Teotue	.9	3.0	5.3	4.0	2.5	-	-	-	15.7	
Avatiu-Ruatonga	6.0	26.2	21.9	35.5	12.8	21.7	-	-	124.0	
Nikao-Panama	2.7	14.5	25.8	33.3	13.0	10.0	36.0	-	135.2	
Ruaau-Arorangi	.3	9.8	32.8	71.8	55.0	32.0	34.0	12.0	247.5	
Murienua-Arorangi	4.9	28.4	80.8	104.1	79.3	64.8	24.0	10.0	396.1	
Titikaveka	2.2	26.8	64.8	127.5	96.5	82.7	35.0	85.5	521.0	
Ngatangia	.4	16.8	30.3	54.3	54.5	29.2	5.0	12.0	202.5	
Matavera	1.6	18.9	37.3	73.8	31.3	21.5	12.0	-	196.3	
RAROTONGA	29.5	184.6	361.1	579.4	389.3	271.0	163.0	119.5	2097.3	
Aitutaki	7.6	95.1	226.9	418.5	284.5	175.3	114.0	119.0	1440.9	
Mangaia	4.9	68.0	139.4	255.6	178.3	87.3	79.5	49.3	862.2	
Atiu	.3	18.8	75.3	257.5	130.0	168.0	91.0	61.0	801.8	
Mauke	.6	15.3	53.5	156.3	111.3	106.8	54.0	53.0	550.7	
Mitiaro	.3	4.2	10.0	46.0	31.3	9.0	-	-	100.8	
OTHER SOUTHERN IS.	13.7	201.3	505.0	1133.9	735.3	546.3	338.5	282.3	3756.2	
Palmerston	-	-	-	2.0	6.3	4.0	18.0	-	30.3	
Pukapuka	2.9	18.5	29.5	41.5	12.5	-	-	-	104.9	
Nassau	-	-	2.5	7.0	10.0	6.0	-	-	25.5	
Manihiki	.1	.3	6.5	11.8	44.6	86.9	54.0	10.0	214.1	
Rakahanga	.8	5.1	12.0	26.5	29.3	9.0	-	-	82.6	
Penrhyn	.1	4.3	14.0	55.8	16.0	19.0	15.0	-	124.1	
NORTHERN ISLANDS	3.9	28.1	64.5	144.5	118.6	124.9	87.0	10.0	581.5	
COOK ISLANDS	47.1	414.0	930.7	1857.8	1243.1	942.1	588.5	411.8	6435.0	

Table 12: Number of Households Keeping Pigs by Location of Household and Size of Pig Holding

Location of Household	Size of Pig Holding						
	1-4	5-9	10-19	20-29	30-49	50 & over	Total
Pue-Matavera	46	22	14	3	1	1	87
Tupapa-Maraerenga	22	22	10	2	2	-	58
Takuvaine-Parekura	51	18	14	2	-	-	85
Tutakimoa-Teotue	21	6	2	-	1	-	30
Avatiu-Ruatonga	80	20	19	7	2	-	128
Nikao-Panama	70	33	14	1	1	2	121
Ruaau-Arorangi	42	28	19	15	4	-	108
Murienua-Arorangi	90	33	18	5	4	1	151
Titikaveka	59	29	18	6	5	1	118
Ngatangia	31	18	25	4	1	2	81
Matavera	36	24	9	4	2	1	76
RAROTONGA	548	253	162	49	23	8	1043
Aitutaki	134	74	38	9	2	1	258
Mangaia	75	47	50	10	6	2	190
Atiu	20	31	52	27	9	8	147
Mauke	25	37	16	8	6	-	92
Mitiaro	8	25	9	-	1	-	43
OTHER SOUTHERN IS.	262	214	165	54	24	11	730
Palmerston	2	6	-	1	-	-	9
Pukapuka	45	34	14	-	-	-	93
Nassau	15	2	-	-	-	-	17
Manihiki	17	17	29	1	2	-	66
Rakahanga	16	12	9	3	1	-	41
Penrhyn	41	27	4	-	2	-	74
NORTHERN ISLANDS	136	98	56	5	5	-	300
COOK ISLANDS	946	565	383	108	52	19	2073

Table 13: Number of Pigs by Location of Household and Size of Pig Holding

Location of Household	Size of Pig Holding						
	1-4	5-9	10-19	20-29	30-49	50 & over	Total
Pue-Matavera	100	145	180	69	35	50	579
Tupapa-Maraerenga	40	155	122	45	72	-	434
Takuvaine-Parekura	98	115	185	41	-	-	439
Tutakimoa-Teotue	31	40	29	-	32	-	132
Avatiu-Ruatonga	160	145	264	157	75	-	801
Nikao-Panama	127	210	193	26	32	165	753
Ruaau-Arorangi	92	193	246	333	171	-	1035
Murienua-Arorangi	181	217	252	105	137	50	942
Titikaveka	138	195	263	143	186	132	1057
Ngatangia	67	118	322	100	35	150	792
Matavera	60	163	117	83	74	66	563
RAROTONGA	1094	1696	2173	1102	849	613	7527
Aitutaki	300	495	505	206	68	60	1634
Mangaia	160	313	703	213	231	120	1740
Atiu	47	206	692	593	356	439	2333
Mauke	58	250	208	187	217	-	920
Mitiaro	18	177	117	-	30	-	342
OTHER SOUTHERN IS.	583	1441	2225	1199	902	619	6969
Palmerston	7	39	-	20	-	-	66
Pukapuka	129	205	174	-	-	-	508
Nassau	23	11	-	-	-	-	34
Manihiki	45	108	406	29	75	-	663
Rakahanga	38	76	106	67	35	-	322
Penrhyn	96	163	47	-	64	-	370
NORTHERN ISLANDS	338	602	733	116	174	-	1963
COOK ISLANDS	2015	3739	5131	2417	1925	1232	16459

Table 14: Number of Households Keeping Cattle by Location of Household and Size of Cattle Holding

Location of Household	Size of Cattle Holding					Total
	1	2	3	4	5 & over	
Pue-Matavera	2	-	1	-	1	4
Tupapa-Maraerenga	1	-	1	-	-	2
Takuvaine-Parekura	-	-	-	-	-	-
Tutakimoa-Teotue	-	-	-	-	-	-
Avatiu-Ruatonga	1	-	-	1	4	6
Nikao-Panama	2	2	-	-	-	4
Ruaau-Arorangi	3	4	2	-	1	10
Murienua-Arorangi	4	2	1	-	1	7
Titikaveka	4	4	6	2	1	17
Ngatangilia	3	1	3	-	-	7
Matavera	4	2	-	-	1	7
RAROTONGA	24	15	14	3	8	64
Aitutaki	4	1	2	1	2	10
Mangata	1	-	-	-	-	1
Atiu	1	1	-	-	-	2
Mauke	1	3	2	3	-	9
Mitiaro	-	-	-	-	-	-
OTHER SOUTHERN IS.	7	5	4	4	2	22
Palmerston	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	-	-
COOK ISLANDS	31	20	18	7	10	86

Table 15: Number of Cattle by Location of Household and Size of Cattle Holding

Location of Household	Size of Cattle Holding					Total
	1	2	3	4	5 & over	
Pue-Matavera	2	-	3	-	5	10
Tupapa-Maraerenga	1	-	3	-	-	4
Takuvaine-Parekura	-	-	-	-	-	-
Tutakimoa-Teotue	-	-	-	-	-	-
Avatiu-Ruatonga	1	-	-	4	28	33
Nikao-Panama	2	4	-	-	-	6
Ruaau-Arorangi	3	8	6	-	14	31
Murienua-Arorangi	4	4	3	-	-	11
Titikaveka	4	8	18	8	5	43
Ngatangilia	3	2	9	-	-	14
Matavera	4	4	-	-	5	13
RAROTONGA	24	30	42	12	57	165
Aitutaki	4	2	6	4	36	52
Mangata	1	-	-	-	-	1
Atiu	1	2	-	-	-	3
Mauke	1	6	6	12	-	25
Mitiaro	-	-	-	-	-	-
OTHER SOUTHERN IS.	7	10	12	16	36	81
Palmerston	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-
NORTHERN ISLANDS	-	-	-	-	-	-
COOK ISLANDS	31	40	54	28	93	246

Table 38: Number of Parcels by In Use/Fallow Classification, Location of Land and Land Tenure (continued)
In Use/Fallow Classification: ALL PARCELS

Location of Land	Land Tenure							
	Crown	European	Customary	Freehold- Leased	Freehold- License	Freehold- Occupation Right	Freehold- Long Occupation Right	Not Stated Total
Pue-Matavera	-	-	12	19	75	67	35	208
Tupapa-Maraerenga	-	-	6	8	23	26	29	92
Takuvaine-Parekura	-	-	34	11	50	40	5	145
Tutakimoa-Teotue	-	1	-	6	18	4	5	34
Avatiu-Ruatonga	-	-	35	7	109	75	10	238
Nikao-Panama	-	-	39	18	45	56	11	170
Ruaau-Arorangi	-	-	31	16	96	56	6	205
Murienua-Arorangi	1	-	173	36	61	171	7	452
Titikaveka	-	1	142	46	140	87	15	433
Ngatangila	-	-	11	6	71	59	68	216
Matavera	-	-	74	6	94	51	13	238
RAROTONGA	1	2	557	179	782	692	204	2431
Aitutaki	1	-	1257	3	54	122	-	1437
Mangaia	-	1	924	-	-	-	-	925
Atiu	-	-	1	3	89	493	13	599
Mauke	-	-	-	-	4	401	-	405
Mitiaro	-	-	101	-	-	-	-	101
OTHER SOUTHERN IS.	1	1	2283	6	147	1016	13	3467
Palmerston	-	-	5	-	-	-	4	9
Pukapuka	-	-	197	-	-	-	-	197
Nassau	-	-	18	-	-	-	-	18
Manihiki	-	-	79	-	-	1	-	80
Rakahanga	-	-	83	4	-	-	-	87
Penrhyn	-	-	110	-	-	-	-	110
NORTHERN ISLANDS	-	-	492	4	-	1	4	501
COOK ISLANDS	2	3	3332	189	929	1709	221	6399

Table 39: Number and Area (acres) of Parcels by Location of Land and In Use/Fallow Classification

Location of Land	In Use/Fallow Classification					
	IN USE		FALLOW		ALL PARCELS	
	Number	Area	Number	Area	Number	Area
Pue-Matavera	168	110.7	40	30.5	208	141.2
Tupapa-Maraerenga	74	34.8	18	10.1	92	44.9
Takuvaine-Parekura	124	56.0	21	17.0	145	73.0
Tutakimoa-Teotue	29	14.7	5	1.0	34	15.7
Avatiu-Ruatonga	215	98.0	23	26.0	238	124.0
Nikao-Panama	141	105.7	29	29.5	170	135.2
Ruaau-Arorangi	176	210.3	29	37.3	205	247.5
Murienua-Arorangi	377	332.6	75	63.5	452	396.1
Titikaveka	349	423.1	84	97.9	433	521.0
Ngatanglia	180	177.6	36	24.9	216	202.5
Matavera	193	161.0	45	35.3	238	196.3
RAROTONGA	2026	1724.4	405	372.9	2431	2097.3
Aitutaki	1145	1177.9	292	262.9	1437	1440.9
Mangala	629	483.9	296	378.3	925	862.2
Atiu	412	528.8	187	273.0	599	801.8
Mauke	318	422.1	87	128.5	405	550.7
Mitiaro	98	96.8	3	4.0	101	100.8
OTHER SOUTHERN IS.	2602	2709.5	865	1046.7	3467	3756.2
Palmerston	9	30.3	0	.0	9	30.3
Pukapuka	170	98.2	27	6.7	197	104.9
Nassau	18	25.5	0	.0	18	25.5
Manihiki	80	214.1	0	.0	80	214.1
Rakahanga	87	82.6	0	.0	87	82.6
Penrhyn	109	121.1	1	3.0	110	124.1
NORTHERN ISLANDS	473	571.8	28	9.7	501	581.5
COOK ISLANDS	5101	5005.7	1298	1429.4	6399	6435.0

**Table 40: Area (acres) of Parcels In Use by location of land and
Number of Years in Continuous Use**

Location of land	Number of years									Total
	less than 5	5-9	10-14	15-19	20-29	30-39	40-49	50 & over		
Pue-Matavera	26.9	21.9	29.1	7.0	10.1	14.5	.8	.4	110.7	
Tupapa-Maraerenga	12.5	7.0	4.5	4.0	2.3	2.5	2.0	-	34.8	
Takuvaine-Parekura	10.8	7.9	8.9	9.5	6.8	1.6	2.8	7.8	56.0	
Tutakimoa-Teotue	2.4	1.3	6.1	.3	1.6	.3	1.0	1.8	14.7	
Avatiu-Ruatonga	13.7	15.1	43.3	4.9	11.1	1.4	7.8	.8	98.0	
Nikao-Panama	22.3	20.3	31.4	.3	3.5	17.0	9.5	1.5	105.7	
Ruaau-Arorangi	45.8	23.5	50.4	.8	34.6	37.5	13.8	4.0	210.3	
Murienua-Arorangi	54.3	53.4	88.0	19.9	68.1	18.5	20.3	10.0	332.6	
Titikaveka	76.3	83.8	164.3	5.2	41.0	11.5	26.5	14.5	423.1	
Ngatangia	23.5	44.1	66.1	4.3	13.9	6.3	.5	19.0	177.6	
Matavera	36.5	16.4	28.0	16.3	39.8	8.5	6.0	9.6	161.0	
RAROTONGA	325.0	294.5	520.1	72.4	232.8	119.6	90.8	69.3	1724.4	
Aitutaki	215.5	159.0	201.1	58.5	161.6	90.9	109.3	182.0	1177.9	
Mangaia	125.4	67.4	290.1	1.0	-	-	-	-	483.9	
Atiu	181.3	86.0	214.8	2.3	16.8	27.8	-	-	528.8	
Mauke	87.0	51.0	130.6	34.8	50.8	36.3	13.0	18.8	422.1	
Mitiaro	7.1	1.5	18.3	2.0	10.8	9.0	22.3	25.8	96.8	
OTHER SOUTHERN IS.	616.2	364.9	854.9	98.5	240.0	163.9	144.5	226.5	2709.5	
Palmerston	-	-	2.3	-	-	2.0	-	26.0	30.3	
Pukapuka	15.2	.8	8.0	14.2	21.0	10.0	10.0	19.0	98.2	
Nassau	-	-	21.0	2.5	2.0	-	-	-	25.5	
Manihiki	10.0	18.0	5.6	11.6	22.6	70.5	51.8	24.0	214.1	
Rakahanga	1.5	9.4	38.0	22.3	11.3	-	.3	-	82.6	
Penrhyn	-	2.6	10.3	.5	7.3	78.8	14.0	7.7	121.1	
NORTHERN ISLANDS	26.7	30.8	85.1	51.1	64.1	161.3	76.0	76.8	571.8	
COOK ISLANDS	967.9	690.2	1460.2	222.0	536.9	444.7	311.3	372.6	5005.7	

1

Table 42: Number of Persons Working in a Paid Capacity on Holdings during the Month Prior to Enumeration (August 1988) by Location of Household and Age Group

Island	Age Group				Total
	10-19	20-39	40-59	60 & over	
Rarotonga	31	70	9	1	111
Aitutaki	11	3	1	—	15
Mangaia	5	12	2	1	20
Atiu	3	11	—	—	14
Mauke	—	2	—	—	2
Mitiaro	—	2	—	—	2
Palmerston	—	—	—	—	—
Pukapuka	—	—	—	—	—
Nassau	—	—	—	—	—
Manihiki	—	—	—	—	—
Rakahanga	—	—	—	—	—
Penrhyn	—	—	—	—	—
COOK ISLANDS	50	100	12	2	164

Table 43: Average Hours Worked per Month by Persons Working in a Paid Capacity on Holdings during the Month Prior to the Enumeration by Location of Household and Age Group

Island	Age Group				Total
	10-19	20-39	40-59	60 & over	
Rarotonga	63	51	101	140	59
Aitutaki	8	9	20	—	9
Mangaia	26	7	12	60	15
Atiu	93	144	—	—	133
Mauke	—	36	—	—	36
Mitiaro	—	160	—	—	160
Palmerston	—	—	—	—	—
Pukapuka	—	—	—	—	—
Nassau	—	—	—	—	—
Manihiki	—	—	—	—	—
Rakahanga	—	—	—	—	—
Penrhyn	—	—	—	—	—
COOK ISLANDS	49	56	79	100	56

Table 44: Average Wages (NZ\$) per Month of Persons Working in a Paid Capacity on Holdings during the Month Prior to the Enumeration by Location of Household and Age Group

Island	Age Group				Total
	10-19	20-39	40-59	60 & over	
Rarotonga	140	116	232	360	134
Aitutaki	25	11	15	—	21
Mangaia	47	17	23	120	30
Atiu	187	281	—	—	261
Mauke	—	59	—	—	59
Mitiaro	—	160	—	—	160
Palmerston	—	—	—	—	—
Pukapuka	—	—	—	—	—
Nassau	—	—	—	—	—
Manihiki	—	—	—	—	—
Rakahanga	—	—	—	—	—
Penrhyn	—	—	—	—	—
COOK ISLANDS	108	119	179	240	121

Table 45: Number of Persons Working on a Paid Capacity on Holdings during the Month Prior to Enumeration
by Location of Household and Type of Other Benefits Received

Island	Other Benefits						Total
	Free/ Subsidized Housing Only	Free/ Subsidized Meals Only	Free/ Subsidized Housing and Meals	Free/ Subsidized Housing, Meals and Private Use of Owner's Equipment	Free/ Subsidized Meals and Private Use of Owner's Equipment	Others	
Rarotonga	-	63	5	1	1	11	30
Aitutaki	-	5	1	-	-	2	7
Mangaia	-	12	-	-	-	-	8
Atiu	2	4	2	-	-	-	6
Mauke	-	1	-	-	-	1	-
Mitiaro	-	-	-	-	-	-	2
Palmerston	-	-	-	-	-	-	-
Pukapuka	-	-	-	-	-	-	-
Nassau	-	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-	-
Rakahanga	-	-	-	-	-	-	-
Penrhyn	-	-	-	-	-	-	-
COOK ISLANDS	2	85	8	1	1	14	53
							164

Table 46: Crops Growing in Parcels Other than Scattered Crops - Number of Separate Plantings by Type of Crop and Island

Type of Crop	ISLAND												COOK ISLANDS
	Raro-tonga	Aitu-taki	Mangaia	Atiu	Mauke	Mitiaro	Palmerston	Puka-puka	Nassau	Manihiki	Rakahanga	Penrhyn	
Avocado	11	-	-	-	-	-	-	-	-	-	-	-	11
Banana-Cavendish	222	217	25	33	5	-	-	-	-	1	-	-	505
Banana-Ladyfinger	44	6	16	44	35	8	-	-	-	6	-	2	159
Banana-Plantain	33	36	5	25	32	-	-	3	1	-	-	21	156
Bean-Export	36	2	-	-	1	-	-	-	-	-	-	-	39
Breadfruit	5	1	-	-	-	-	-	-	-	-	-	2	8
Cabbage-European	26	11	2	9	3	-	-	-	-	1	-	-	52
Capsicum	7	2	1	-	9	-	-	-	-	-	-	-	19
Cassava	665	567	193	140	146	64	6	-	-	1	-	9	1791
Chestnut	1	4	-	-	-	1	-	-	-	-	-	-	6
Chilli	4	-	-	-	-	4	-	-	-	-	-	-	17
Citrus-Orange	380	64	11	15	2	-	-	-	-	-	-	-	472
Coconut	142	128	11	20	46	43	9	94	-	76	110	88	767
Coffee	1	-	6	25	2	-	-	-	-	-	-	-	34
Kumara	322	268	156	32	75	60	-	-	-	9	-	3	925
Mango	15	1	-	-	1	-	-	-	-	-	-	-	17
Melon-Water	42	12	2	3	8	-	-	-	-	-	-	-	67
Pawpaw-Solo	222	4	1	-	-	-	-	-	-	1	-	9	237
Pineapple	8	19	45	22	-	-	-	-	-	-	-	-	100
Puraka	1	27	-	-	6	-	7	80	6	15	43	5	205
Taro-dry	221	89	2	-	-	21	-	11	-	-	-	-	325
Taro-wet, flooded	118	-	292	27	4	1	-	36	28	-	-	-	507
Taro-wet, raised	552	153	103	141	76	33	-	34	3	-	1	-	1096
Taro	193	402	173	110	73	26	-	-	-	1	1	1	979
Tomato	87	18	2	13	17	-	1	-	-	2	-	1	141
Vanilla	4	-	1	11	7	-	-	-	-	-	-	-	23
Other root crops	18	21	22	63	10	10	-	-	-	-	-	-	144
Other tree crops	79	5	2	14	4	-	-	-	-	-	-	-	104
Other vegetable crops	120	21	5	20	16	-	-	-	-	5	-	2	189
Other crops-Not stated	7	3	1	-	-	1	-	-	-	-	-	-	12
All Crops	3586	2081	1077	767	589	272	23	258	38	118	155	143	9107

Table 46A: Crops Growing in Parcels Other Than Scattered Crops -
Number of Plants by Type of Crop and Island

Type of Crop	ISLAND												COOK ISLANDS
	Raro-tonga	Aitu-taki	Mangaia	Atiu	Mauke	Mitiaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penthyrn	
Avocado	169	-	-	-	-	-	-	-	-	-	-	-	169
Banana-Cavendish	26649	116809	3211	13285	201	-	-	-	-	15	-	30	160200
Banana-Ladyfinger	4087	255	1945	5500	4597	554	-	-	-	69	-	-	17007
Banana-Plantain	3354	2548	403	3440	4375	-	-	90	130	-	-	430	14770
Bean-Export	305650	9000	-	-	5000	-	-	-	-	-	-	-	319650
Breadfruit	16	100	-	-	-	-	-	-	-	-	-	15	131
Cabbage-European	44942	19570	225	8600	800	-	-	-	-	50	-	-	74187
Capsicum	6450	4200	60	-	12760	-	-	-	-	-	-	-	23470
Cassava	989237	438068	235081	413510	499640	27835	21050	-	-	500	-	6800	2631721
Chestnut	10	180	-	-	-	4	-	-	-	-	-	-	194
Chilli	1660	-	-	-	1720	220	-	-	-	-	-	-	3600
Citrus-Orange	51893	3722	590	3320	140	-	-	-	-	-	-	-	59665
Coconut	16189	77725	3270	2215	18932	2210	786	11284	-	26498	21250	7610	188169
Coffee	25	-	1500	22680	550	-	-	-	-	-	-	-	24755
Kumara	340620	75681	82237	25650	77434	16950	-	-	-	2300	-	500	621372
Mango	623	7	-	-	2	-	-	-	-	-	-	-	632
Melon-Water	54090	7820	4500	850	2568	-	-	-	-	-	-	-	69828
Pawpaw-Solo	115397	465	50	-	-	-	-	-	-	10	-	133	116055
Pineapple	14341	13098	776200	779500	3765	-	-	-	-	-	-	-	1586904
Puraka	200	56510	-	-	-	3460	6200	18658	3200	4950	8748	1680	103606
Taro-dry	218526	21777	530	-	6000	-	-	3420	-	-	-	-	250253
Taro-wet, flooded	188890	-	562858	57800	3150	50	-	26550	103630	-	765	-	943693
Taro-wet, raised	781317	54740	114350	398120	152600	9575	-	17050	5500	-	200	-	1533452
Taruia	86710	153403	113485	116650	97530	1827	-	-	-	400	-	400	570405
Tomato	168129	12695	400	9790	17930	-	50	-	-	149	-	50	209193
Vanilla	1063	-	220	3974	1800	-	-	-	-	-	-	-	7057
Other root crops	14799	10367	7522	147060	2200	252	-	-	-	-	-	-	182200
Other tree crops	4283	176	60	12130	302	-	-	-	-	-	-	-	16951
Other vegetable crops	221456	12682	280	9675	24950	-	-	-	-	775	-	430	270248
Other crops-Not stated	5620	120	600	-	-	100	-	-	-	-	-	-	6440
All Crops	3666395	1091718	1909577	2033749	938946	63037	28086	77052	112460	35716	30963	18278	10005977

Table 47: Crops Growing in Parcels Other than Scattered Crops -

Number of Separate Plantings by Region, Type of Crop and Size of Planting

Region: RAROTONGA

Type of Crop	Size of Planting (number of plants)								Total
	Less than 20	20-49	50-99	100-499	500-999	1000-4999	5000-9999	10000 & over	
Avocado	7	4	-	-	-	-	-	-	11
Banana-Cavendish	19	56	60	75	10	2	-	-	222
Banana-Ladyfinger	8	15	10	9	2	-	-	-	44
Banana-Plantain	9	10	7	5	1	1	-	-	33
Bean-Export	-	-	-	3	1	14	6	12	36
Breadfruit	5	-	-	-	-	-	-	-	5
Cabbage-European	1	1	1	6	5	10	-	2	26
Capsicum	1	-	-	2	2	3	-	-	7
Cassava	1	7	-	211	128	255	42	7	665
Chestnut	1	-	-	-	-	-	-	-	1
Chilli	-	-	-	1	2	-	-	-	4
Citrus-Orange	12	56	1	161	7	3	-	-	380
Coconut	46	48	28	16	2	1	1	-	142
Coffee	-	1	-	-	-	-	-	-	1
Kumara	1	4	-	132	60	104	8	1	322
Mango	8	2	3	2	-	-	-	-	15
Melon-Water	-	-	-	13	11	15	3	-	42
Pawpaw-Solo	6	7	16	106	60	26	1	-	222
Pineapple	-	1	-	4	1	-	2	-	8
Puraka	-	-	-	1	-	-	-	-	1
Taro-dry	-	4	13	98	42	55	8	1	221
Taro-wet, flooded	-	-	2	30	33	46	5	2	118
Taro-wet, raised	-	-	6	154	136	220	34	2	552
Taru	-	12	12	111	38	19	1	-	193
Tomato	1	4	7	15	13	40	3	4	87
Vanilla	1	-	1	1	1	-	-	-	4
Other root crops	2	-	3	6	1	5	1	-	18
Other tree crops	33	31	5	7	3	-	-	-	79
Other vegetable crops	4	3	6	39	16	38	8	6	120
Other crops-Not stated	-	1	-	3	1	2	-	-	7
All Crops	165	267	348	1211	576	859	123	37	3586

Table 47: Crops Growing in Parcels Other than Scattered Crops -

Number of Separate Plantings by Region, Type of Crop and Size of Planting (continued)

Region: OTHER SOUTHERN ISLANDS

Type of Crop	Size of Planting (number of plants)								Total
	less than 20	20-49	50-99	100-499	500-999	1000- 4999	5000- 9999	10000 & over	
Avocado	-	-	-	-	-	-	-	-	-
Banana-Cavendish	7	14	22	147	51	37	2	-	280
Banana-Ladyfinger	7	24	23	51	4	-	-	-	109
Banana-Plantain	5	23	24	44	2	-	-	-	98
Bean-Export	-	-	-	-	-	1	2	-	3
Breadfruit	-	-	-	1	-	-	-	-	1
Cabbage-European	-	2	-	9	2	10	2	-	25
Capsicum	-	-	2	4	2	2	2	-	12
Cassava	-	8	23	364	255	388	55	17	1110
Chestnut	3	1	2	-	-	-	-	-	5
Chilli	-	-	5	6	1	-	-	-	13
Citrus-Orange	5	36	28	22	-	1	-	-	92
Coconut	9	44	37	109	20	27	2	-	248
Coffee	-	-	1	19	9	2	2	-	33
Kumara	1	11	37	390	93	53	5	1	591
Mango	2	-	-	-	-	-	-	-	2
Melon-Water	-	-	1	14	5	5	-	-	25
Pawpaw-Solo	1	-	1	3	-	-	-	-	5
Pineapple	1	2	3	7	6	17	12	44	92
Puraka	-	5	1	24	8	7	-	3	48
Taro-dry	-	5	8	71	6	2	1	-	93
Taro-wet, flooded	-	-	2	25	41	227	26	-	324
Taro-wet, raised	-	2	6	220	109	126	33	10	506
Taru	2	17	47	445	152	111	9	1	784
Tomato	-	-	4	20	13	11	2	-	50
Vanilla	-	-	-	16	2	1	-	-	19
Other root crops	6	4	18	44	9	40	1	4	126
Other tree crops	3	7	3	7	1	3	1	-	25
Other vegetable crops	1	4	6	25	9	15	2	-	62
Other crops-Not stated	-	1	2	1	1	-	-	-	5
All Crops	53	210	306	2088	801	1086	159	83	4786

Table 47: Crops Growing in Parcels Other than Scattered Crops -
Number of Separate Plantings by Region, Type of Crop and Size of Planting (continued)

Region: COOK ISLANDS

Type of Crop	Size of Planting (number of plants)								Total
	Less than 20	20-49	50-99	100-499	500-999	1000- 4999	5000- 9999	10000 & over	
Avocado	7	4	-	-	-	-	-	-	11
Banana-Cavendish	28	71	82	222	61	39	2	-	505
Banana-Ladyfinger	20	40	33	60	6	-	-	-	159
Banana-Plantain	29	40	32	51	3	1	-	-	156
Bean-Export	-	-	-	3	1	15	8	12	39
Breadfruit	7	-	-	1	-	-	-	-	8
Cabbage-European	1	3	2	15	7	20	2	2	52
Capsicum	-	-	2	6	4	5	2	-	19
Cassava	1	15	38	581	386	648	97	25	1791
Chestnut	4	-	2	-	-	-	-	-	6
Chilli	-	1	6	7	3	-	-	-	17
Citrus-Orange	17	92	169	183	7	4	-	-	472
Coconut	65	150	168	301	47	33	3	-	767
Coffee	-	1	1	19	9	2	2	-	34
Kumara	2	15	53	529	154	157	13	2	925
Mango	10	2	3	2	-	-	-	-	17
Melon-Water	-	-	1	27	16	20	3	-	67
Pawpaw-Solo	15	8	18	109	60	26	1	-	237
Pineapple	1	3	3	11	7	17	14	44	100
Puraka	1	8	7	146	25	15	-	3	205
Taro-dry	-	9	24	176	48	58	9	1	325
Taro-wet, flooded	-	-	4	76	97	288	33	9	507
Taro-wet, raised	-	2	12	398	249	356	67	12	1096
Taru	2	29	59	558	190	130	10	1	979
Tomato	1	5	13	36	26	51	5	4	141
Vanilla	1	-	1	17	3	1	-	-	23
Other root crops	8	4	21	50	10	45	2	4	144
Other tree crops	36	38	8	14	4	3	1	-	104
Other vegetable crops	6	10	12	66	26	53	10	6	189
Other crops-Not stated	-	2	2	4	2	2	-	-	12
All Crops	262	552	776	3668	1451	1989	284	125	9107

Table 48: Crops Growing in Parcels Other than Scattered Crops -
Number of Separate Plantings by Region, Type of Crop and Size of Planting
Region: RAROTONGA

Type of Crop	Size of Planting (single crop equivalent area)								Total
	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 & over	
Avocado	8	1	1	1	-	-	-	-	11
Banana-Cavendish	92	76	39	13	2	-	-	-	222
Banana-ladyfinger	30	9	3	2	-	-	-	-	44
Banana-Plantain	21	8	2	2	-	-	-	-	33
Bean-Export	5	14	4	12	1	-	-	-	36
Breadfruit	5	-	-	-	-	-	-	-	5
Cabbage-European	12	7	5	2	-	-	-	-	26
Capsicum	2	4	-	1	-	-	-	-	7
Cassava	231	232	149	46	5	-	2	-	665
Chestnut	-	1	-	-	-	-	-	-	1
Chilli	3	1	-	-	-	-	-	-	4
Citrus-Orange	31	86	123	96	33	8	1	2	380
Coconut	40	37	33	19	8	1	3	1	142
Coffee	1	-	-	-	-	-	-	-	1
Kumara	156	112	37	15	2	-	-	-	322
Mango	8	-	3	8	3	4	-	-	15
Melon-Water	8	13	9	8	4	1	-	-	42
Pawpaw-Solo	25	43	82	58	11	3	-	-	222
Pineapple	2	3	1	2	-	-	-	-	8
Puraka	-	-	1	-	-	-	-	-	1
Taro-dry	108	76	25	12	-	-	-	-	221
Taro-wet, flooded	55	38	18	6	1	-	-	-	118
Taro-wet, raised	238	196	94	22	2	-	-	-	552
Taru	115	52	22	3	1	-	-	-	193
Tomato	39	28	12	6	1	1	-	-	87
Vanilla	1	3	-	-	-	-	-	-	4
Other root crops	7	10	1	-	-	-	-	-	18
Other tree crops	34	23	13	8	1	-	-	-	79
Other vegetable crops	69	27	14	9	1	-	-	-	120
Other crops-Not stated	5	-	1	1	-	-	-	-	7
All Crops	1351	1100	692	344	76	14	6	3	3586

Table 48: Crops Growing in Parcels Other than Scattered Crops -
Number of Separate Plantings by Region, Type of Crop and Size of Planting (continued)
Region: OTHER SOUTHERN ISLANDS

Type of Crop	Size of Planting (single crop equivalent area)										Total
	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 & over			
Avocado	-	-	-	-	-	-	-	-	-	-	
Banana-Cavendish	31	64	91	69	15	9	1	-	-	280	
Banana-Ladyfinger	34	32	33	9	1	-	-	-	-	109	
Banana-Plantain	45	28	16	8	1	-	-	-	-	98	
Bean-Export	1	2	-	-	-	-	-	-	-	3	
Breadfruit	1	-	-	-	-	-	-	-	-	1	
Cabbage-European	17	4	3	1	-	-	-	-	-	25	
Capiscum	2	7	3	-	-	-	-	-	-	12	
Cassava	320	340	329	104	15	2	-	-	-	1110	
Chestnut	1	1	-	-	2	-	1	-	-	5	
Chilli	8	5	-	-	1	-	-	-	-	13	
Citrus-Orange	20	25	31	15	1	-	-	-	-	92	
Coconut	20	40	54	54	24	31	18	7	-	248	
Coffee	4	9	9	8	1	-	2	-	-	33	
Kumara	321	198	58	14	-	-	-	-	-	591	
Mango	1	-	-	1	-	-	-	-	-	2	
Melon-Water	5	4	8	8	-	-	-	-	-	25	
Pawpaw-Solo	2	3	-	8	-	-	-	-	-	5	
Pineapple	21	8	20	22	7	8	4	2	-	92	
Puraka	18	16	8	3	2	-	1	-	-	48	
Taro-dry	71	18	3	1	-	-	-	-	-	93	
Taro-wet, flooded	87	148	73	15	1	-	-	-	-	324	
Taro-wet, raised	202	157	123	24	-	-	-	-	-	506	
Tarua	345	269	138	30	2	-	-	-	-	784	
Tomato	29	15	6	-	-	-	-	-	-	50	
Vanilla	3	7	7	2	-	-	-	-	-	19	
Other root crops	47	48	23	6	2	-	-	-	-	126	
Other tree crops	8	5	9	2	-	1	-	-	-	25	
Other vegetable crops	36	18	7	1	-	-	-	-	-	62	
Other crops-Not stated	3	2	-	-	-	-	-	-	-	5	
All Crops	1703	1473	1052	397	74	51	27	9	-	4786	

Table 48: Crops Growing in Parcels Other than Scattered Crops -
Number of Separate Plantings by Region, Type of Crop and Size of Planting (continued)
Region: NORTHERN ISLANDS

Type of Crop	less than 0.25	Size of Planting (single crop equivalent area)								Total
		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 & over		
Avocado	-	-	-	-	-	-	-	-	-	
Banana-Cavendish	1	2	-	-	-	-	-	-	3	
Banana-ladyfinger	4	-	1	1	-	-	-	-	6	
Banana-Plantain	9	8	7	1	-	-	-	-	25	
Bean-Export	-	-	-	-	-	-	-	-	-	
Breadfruit	1	1	-	-	-	-	-	-	2	
Cabbage-European	-	1	-	-	-	-	-	-	1	
Capsicum	-	-	-	-	-	-	-	-	-	
Cassava	-	6	4	4	1	1	-	-	16	
Chestnut	-	-	-	-	-	-	-	-	-	
Chilli	-	-	-	-	-	-	-	-	-	
Citrus-Orange	-	-	-	-	-	-	-	-	-	
Coconut	43	69	88	101	37	28	10	1	377	
Coffee	-	-	-	-	-	-	-	-	-	
Kumara	3	8	1	-	-	-	-	-	12	
Mango	-	-	-	-	-	-	-	-	-	
Melon-Water	-	-	-	-	-	-	-	-	-	
Pawpaw-Solo	7	2	1	-	-	-	-	-	10	
Pineapple	-	-	-	-	-	-	-	-	-	
Puraka	94	33	21	7	1	-	-	-	156	
Taro-dry	8	2	1	-	-	-	-	-	11	
Taro-wet, flooded	37	13	7	7	1	-	-	-	65	
Taro-wet, raised	21	9	7	1	-	-	-	-	38	
Tarua	-	2	-	-	-	-	-	-	2	
Tomato	3	1	-	-	-	-	-	-	4	
Vanilla	-	-	-	-	-	-	-	-	-	
Other root crops	-	-	-	-	-	-	-	-	-	
Other tree crops	-	-	-	-	-	-	-	-	-	
Other vegetable crops	5	2	-	-	-	-	-	-	7	
Other crops-Not stated	-	-	-	-	-	-	-	-	-	
All Crops	236	159	138	122	40	29	10	1	735	

Table 48: Crops Growing in Parcels Other than Scattered Crops -

Number of Separate Plantings by Region, Type of Crop and Size of Planting (continued)

Region: COOK ISLANDS

Type of Crop	Size of Planting (single crop equivalent area)										Total
	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 & over			
Avocado	8	1	1	1	-	-	-	-	11		
Banana-Cavendish	124	142	130	82	17	9	1	-	505		
Banana-Ladyfinger	68	41	37	12	1	-	7	-	159		
Banana-Plantain	75	44	25	11	1	-	-	-	156		
Bean-Export	6	16	4	12	1	-	-	-	39		
Breadfruit	7	1	-	-	-	-	-	-	8		
Cabbage-European	29	12	8	3	-	-	-	-	52		
Capsicum	4	11	3	1	-	-	-	-	19		
Cassava	551	578	482	154	21	3	2	-	1791		
Chestnut	1	2	-	-	2	-	1	-	6		
Chilli	11	6	-	-	-	-	-	-	17		
Citrus-Orange	51	111	154	111	34	8	1	2	472		
Coconut	103	146	175	174	69	60	31	9	767		
Coffee	5	9	9	8	1	-	2	-	34		
Kumara	480	318	96	29	2	-	-	-	925		
Mango	9	-	3	1	3	1	-	-	17		
Melon-Water	13	17	17	16	4	-	-	-	67		
Pawpaw-Solo	34	48	83	58	11	3	-	-	237		
Pineapple	23	11	21	24	7	8	4	2	100		
Puraka	112	49	30	10	3	-	1	-	205		
Taro-dry	187	96	29	13	-	-	-	-	325		
Taro-wet, flooded	179	199	98	28	3	-	-	-	507		
Taro-wet, raised	461	362	224	47	2	-	-	-	1096		
Taru	460	323	160	33	3	-	-	-	979		
Tomato	71	44	18	6	1	1	-	-	141		
Vanilla	4	10	7	2	-	-	-	-	23		
Other root crops	54	58	24	6	2	-	-	-	144		
Other tree crops	42	28	22	10	1	1	-	-	104		
Other vegetable crops	110	47	21	10	1	-	-	-	189		
Other crops-Not stated	8	2	1	1	-	-	-	-	12		
All Crops	3290	2732	1882	863	190	94	43	13	9107		

Actual Area (acres) of Separate Plantings by Type of Crop and Island

Type of Crop	Raro-tonga	Aitu-taki	Mangaia	Atiu	Mauke	Mitiaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penrhyn	COOK ISLANDS
Avocado	5.8	-	-	-	-	-	-	-	-	-	-	-	5.8
Banana-Cavendish	94.0	205.5	8.3	14.9	1.2	-	-	-	-	.5	-	.8	325.1
Banana-Ladyfinger	18.4	1.3	5.7	19.9	29.6	2.2	-	-	-	4.1	-	-	81.1
Banana-Plantain	14.2	9.2	.9	11.2	20.6	-	-	-	-	-	-	-	-
Bean-Export	23.1	.4	-	-	.3	-	-	1.3	.8	-	-	10.4	68.5
Breadfruit	1.4	.1	-	-	-	-	-	-	-	-	-	-	23.8
Cabbage-European	11.4	3.6	.1	3.5	.5	-	-	-	-	-	-	1.0	2.5
Capsicum	3.2	.9	.5	-	3.5	-	-	-	-	.3	-	-	19.4
Cassava	275.1	229.7	60.4	73.8	113.2	27.1	10.0	-	-	-	-	-	8.1
Chestnut	.3	46.5	-	-	-	.3	-	-	-	1.0	-	5.0	795.4
Chilli	.9	-	-	-	-	1.0	-	-	-	-	-	-	47.1
Citrus-Orange	372.6	35.0	3.8	12.6	1.5	-	-	-	-	-	-	-	5.1
Coconut	139.1	381.5	7.1	15.7	77.8	31.1	14.7	61.2	-	-	78.6	101.1	425.5
Coffee	.3	-	2.8	25.7	.9	-	-	-	203.9	-	-	-	111.7
Kumara	111.5	57.0	36.4	13.1	35.0	25.7	-	-	-	5.5	-	-	29.7
Mango	13.4	.4	-	-	1.0	-	-	-	-	-	-	1.0	285.0
Melon-Water	32.3	9.2	2.0	.9	4.5	-	-	-	-	-	-	-	14.8
Pawpaw-Solo	184.6	.7	.3	-	-	-	-	-	-	.3	-	3.3	189.2
Pineapple	5.8	4.3	68.4	59.6	1.4	-	-	-	-	-	-	-	139.6
Puraka	.5	58.8	-	-	-	7.8	13.0	12.3	5.4	8.5	25.3	2.2	133.7
Taro-dry	72.5	18.2	.3	-	1.0	-	-	3.3	-	-	-	-	95.3
Taro-wet, flooded	37.0	-	88.1	19.9	1.3	.1	-	2.8	21.8	-	.3	-	171.3
Taro-wet, raised	161.3	26.6	23.3	67.4	32.3	13.4	-	7.6	2.8	-	.1	-	334.9
Taru	59.1	110.1	50.7	47.0	37.1	10.8	-	-	-	.3	-	.5	315.6
Tomato	37.4	3.8	.4	3.2	5.9	-	.3	-	-	.8	-	.3	52.0
Vanilla	1.3	-	.1	6.0	3.4	-	-	-	-	-	-	-	10.7
Other root crops	6.1	4.1	5.8	30.0	3.4	2.6	-	-	-	-	-	-	51.9
Other tree crops	48.5	1.0	.2	11.6	2.4	-	-	-	-	-	-	-	63.6
Other vegetable crops	51.9	4.4	.7	6.3	7.5	-	-	-	-	3.3	-	.5	74.5
Other crops-Not stated	3.1	1.2	.3	-	-	.4	-	-	-	-	-	-	4.9
All Crops	1785.9	1213.1	366.7	442.2	388.4	122.6	37.9	88.4	30.6	228.6	104.4	125.9	4934.6

Table 50: Crops Growing in Parcels Other than Scattered Crops -
Single Crop Equivalent Area (acres) of Separate Plantings by Type of Crop and Island

Type of Crop	ISLAND												COOK ISLANDS
	Raro-tonga	Aitu-taki	Mangaia	Atiu	Mauke	Mitiaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penrhyn	
Avocado	2.9	-	-	-	-	-	-	-	-	-	-	-	2.9
Banana-Cavendish	72.0	204.6	8.3	13.8	1.0	-	-	-	-	.3	-	-	300.3
Banana-Ladyfinger	9.9	.6	5.7	18.3	18.3	-	-	-	-	1.9	-	-	56.9
Banana-Plantain	7.2	6.4	.9	10.2	16.0	2.1	-	1.3	.8	-	-	-	49.1
Bean-Export	21.5	.4	-	-	.3	-	-	-	-	-	-	-	22.1
Breadfruit	.3	.1	-	-	-	-	-	-	-	-	-	-	.9
Cabbage-European	8.5	2.3	.1	3.5	.5	-	-	-	-	.3	-	-	15.1
Capsicum	2.6	.4	.5	-	3.2	-	-	-	-	-	-	-	6.7
Cassava	251.5	222.0	60.0	73.4	110.3	21.1	10.0	-	-	.3	-	-	753.3
Chestnut	.3	11.8	-	-	-	.1	-	-	-	-	-	-	12.1
Chilli	.7	-	-	-	1.8	.8	-	-	-	-	-	-	3.3
Citrus-Orange	342.6	31.9	3.8	12.1	.8	-	-	-	-	-	-	-	391.1
Coconut	111.4	353.9	7.1	12.3	75.6	23.4	10.4	60.9	-	201.8	67.5	99.0	1023.3
Coffee	.1	-	2.8	25.5	.9	-	-	-	-	-	-	-	29.2
Kumara	91.1	47.8	35.9	11.1	29.1	18.4	-	-	-	2.4	-	-	236.6
Mango	11.5	.2	-	-	1.0	-	-	-	-	-	-	-	12.7
Melon-Water	28.7	8.6	2.0	.9	4.5	-	-	-	-	-	-	-	44.7
Pawpaw-Solo	171.6	.7	.3	-	-	-	-	-	-	.1	-	-	174.4
Pineapple	4.3	3.2	68.4	59.6	1.4	-	-	-	-	-	-	-	137.0
Puraka	.5	19.9	-	-	-	-	-	-	-	5.6	13.6	1.9	68.5
Taro-dry	60.2	14.0	.3	-	1.0	6.6	8.6	10.1	1.5	-	-	-	77.7
Taro-wet, flooded	36.2	-	88.1	19.3	.8	-	-	2.2	-	-	.2	-	168.3
Taro-wet, raised	159.0	26.2	23.3	67.4	31.3	.1	-	2.8	20.9	-	-	-	329.2
Taru	45.2	96.1	50.3	46.1	33.3	12.2	-	7.2	2.4	.3	-	-	278.7
Tomato	31.5	3.0	.4	2.7	4.7	7.2	.3	-	-	.3	-	-	43.0
Vanilla	.9	-	.1	6.0	2.8	-	-	-	-	-	-	-	9.8
Other root crops	4.1	2.7	5.4	28.4	2.7	2.3	-	-	-	-	-	-	45.7
Other tree crops	29.5	.5	.2	11.0	2.4	-	-	-	-	-	-	-	43.5
Other vegetable crops	34.3	1.6	.7	5.2	6.2	-	-	-	-	.9	-	-	49.2
Other crops-Not stated	2.3	.4	.3	-	-	.3	-	-	-	-	-	-	3.2
All Crops	1542.2	1059.2	364.9	426.8	350.0	94.6	29.3	84.4	25.5	214.1	81.3	116.1	4388.5

Table 51: Crops Growing in Parcels Other than Scattered Crops -
Single Crop Equivalent Area (acres) of Separate Plantings by Region, Type of Crop and Type of Crop Mix

Region: RAROTONGA							Region: OTHER SOUTHERN ISLANDS						
Type of Crop	Proportion-Mix/Scattered						Type of Crop	Proportion-Mix/Scattered					
	Less than 1/4	1/4	1/2	3/4	All	Total		Less than 1/4	1/4	1/2	3/4	All	Total
Avocado	-	.9	.1	-	1.9	2.9		-	.1	-	-	-	-
Banana-Cavendish	-	6.0	3.0	2.9	60.1	72.0		-	.1	1.4	1.3	224.8	227.7
Banana-Ladyfinger	-	2.5	.5	1.5	5.5	9.9		-	1.8	7.9	.4	35.0	45.1
Banana-Plantain	-	2.2	.6	-	4.4	7.2		-	.8	5.9	.1	26.7	33.5
Bean-Export	-	-	1.6	-	19.9	21.5		-	-	-	-	.6	.6
Breadfruit	-	.3	-	-	-	.3		-	-	-	-	.1	.1
Cabbage-European	-	.8	.4	-	7.2	8.5		-	.4	.1	-	5.9	6.4
Capsicum	-	.2	-	-	2.4	2.6		-	-	.8	-	3.3	4.1
Cassava	-	3.4	10.5	8.6	229.1	251.5		-	2.0	9.1	7.5	468.2	486.7
Chestnut	-	-	-	-	.3	.3		-	11.6	.3	-	-	11.8
Chilli	-	.1	-	-	.7	.7		-	.3	.6	-	1.7	2.6
Citrus-Orange	-	4.0	15.1	8.7	314.9	342.6		-	.3	3.0	.9	44.2	48.5
Coconut	-	4.9	11.4	5.1	90.0	111.4		-	.8	35.9	7.8	427.9	472.4
Coffee	-	.1	-	-	-	.1		-	-	-	.8	28.3	29.1
Kumara	-	4.8	5.6	.8	79.9	91.1		-	5.6	7.4	1.8	127.5	142.3
Mango	-	.3	.8	.7	9.6	11.5		-	-	.2	-	1.0	1.2
Melon-Water	-	.7	1.6	-	26.5	28.7		-	-	.6	-	15.4	16.0
Pawpaw-Solo	-	2.3	4.1	6.5	158.7	171.6		-	-	-	-	1.0	1.0
Pineapple	-	.4	-	1.1	2.8	4.3		-	.3	.1	-	132.3	132.7
Puraka	-	-	-	-	.5	.5		-	12.2	3.2	.5	10.6	26.5
Taro-dry	-	2.8	3.5	1.7	52.3	60.2		-	1.0	1.0	.7	12.7	15.3
Taro-wet, flooded	-	.2	.1	.4	35.5	36.2		-	-	1.1	-	107.1	108.2
Taro-wet, raised	-	.2	1.4	.7	156.7	159.0		-	.3	1.8	-	158.5	160.6
Taru	-	3.6	2.6	1.7	37.2	45.2		-	4.4	8.8	2.0	217.7	233.0
Tomato	-	1.5	1.2	.8	28.0	31.5		-	.3	1.5	-	9.0	10.8
Vanilla	-	.1	-	-	.8	.9		-	.2	-	-	8.7	8.9
Other root crops	-	.4	.7	.4	2.7	4.1		-	1.0	1.2	-	39.3	41.6
Other tree crops	-	5.3	3.1	.8	20.3	29.5		-	.2	.3	-	13.5	14.0
Other vegetable crops	-	4.6	3.4	.8	25.4	34.3		-	1.5	.8	-	11.3	13.6
Other crops-Not stated	-	.3	.1	-	2.0	2.3		-	.2	.2	.3	.3	.9
All Crops	-	52.7	71.3	43.1	1375.2	1542.2		-	45.4	93.2	24.3	2132.7	2295.5

Table 51: Crops Growing in Parcels Other than Scattered Crops -
Single Crop Equivalent Area (acres) of Separate Plantings by Region, Type of Crop and Type of Crop Mix (continued)

Region: NORTHERN ISLANDS							Region: COOK ISLANDS						
Type of Crop	Less than 1/4	Proportion-Mix/Scattered					Less than 1/4	Proportion-Mix/Scattered					
		1/4	1/2	3/4	All	Total		1/4	1/2	3/4	All	Total	
Avocado	-	-	-	-	-	-	-	.9	.1	-	1.9	2.9	
Banana-Cavendish	-	.6	-	-	-	.6	-	6.1	5.0	4.2	285.0	300.3	
Banana-Ladyfinger	-	1.0	-	.6	-	1.9	-	4.7	9.4	2.4	40.4	56.9	
Banana-Plantain	-	.9	1.2	-	6.3	8.4	-	3.9	7.6	.1	37.4	49.1	
Bean-Export	-	-	-	-	-	-	-	-	1.6	-	20.5	22.1	
Breadfruit	-	.1	.4	-	-	.5	-	.4	.4	-	.1	.9	
Cabbage-European	-	-	-	-	.3	.3	-	1.3	.5	-	13.4	15.1	
Capsicum	-	-	-	-	-	-	-	.2	.8	-	5.7	6.7	
Cassava	-	.3	.3	-	14.5	15.0	-	5.6	19.8	16.1	711.7	753.3	
Chestnut	-	-	-	-	-	-	-	11.6	.3	-	.3	12.1	
Chilli	-	-	-	-	-	-	-	.4	.6	-	2.3	3.3	
Citrus-Orange	-	-	-	-	-	-	-	4.3	18.1	9.6	359.1	391.1	
Coconut	-	.6	16.6	4.4	417.9	439.5	-	6.3	63.9	17.3	935.9	1023.3	
Coffee	-	-	-	-	-	-	-	.1	-	.8	28.3	29.2	
Kumara	-	.6	1.6	-	1.0	3.2	-	11.0	14.6	2.6	208.4	236.6	
Mango	-	-	-	-	-	-	-	.3	1.0	.7	10.6	12.7	
Melon-Water	-	-	-	-	-	-	-	.7	2.2	-	41.9	44.7	
Pawpaw-Solo	-	.5	.1	.4	.8	1.8	-	2.8	4.2	6.9	160.5	174.4	
Pineapple	-	-	-	-	-	-	-	.7	.1	1.1	135.1	137.0	
Puraka	-	2.6	16.7	2.3	19.9	41.5	-	14.8	19.9	2.8	31.0	68.5	
Taro-dry	-	.2	.3	1.0	.8	2.2	-	3.9	4.7	3.3	65.7	77.7	
Taro-wet, flooded	-	-	.2	2.7	20.9	23.8	-	.2	1.4	3.1	163.6	168.3	
Taro-wet, raised	-	-	.3	1.4	7.9	9.6	-	.5	3.4	2.1	323.1	329.2	
Tarua	-	-	.3	-	.3	.6	-	8.0	11.7	3.7	255.3	278.7	
Tomato	-	.1	.3	-	.3	.7	-	1.9	3.0	.8	37.3	43.0	
Vanilla	-	-	-	-	-	-	-	.3	-	-	9.5	9.8	
Other root crops	-	-	-	-	-	-	-	1.4	1.9	.4	42.0	45.7	
Other tree crops	-	-	-	-	-	-	-	5.5	3.4	.8	33.8	43.5	
Other vegetable crops	-	.8	.3	-	.3	1.3	-	6.9	4.4	.8	37.0	49.2	
Other crops-Not stated	-	-	-	-	-	-	-	.5	.2	.3	2.2	3.2	
All Crops	-	6.9	40.0	12.7	491.2	550.8	-	105.0	204.5	80.0	3999.1	4388.5	

Crops growing in parcels other than scattered crops -
Single Crop Equivalent Area (acres) of Separate Plantings by Region, Type of Crop
and Size of Planting

Region: RAROTONGA

Type of Crop	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 & over	Total
Avocado	1.1	.4	.5	1.0	-	-	-	-	2.9
Banana-Cavendish	10.3	20.7	22.1	14.8	4.0	-	-	-	72.0
Banana-Ladyfinger	3.2	2.5	1.6	2.6	-	-	-	-	9.9
Banana-Plantain	1.8	2.1	1.0	2.3	-	-	-	-	7.2
Bean-Export	.6	3.9	2.4	12.6	2.0	-	-	-	21.5
Breadfruit	.3	-	-	-	-	-	-	-	.3
Cabbage-European	1.4	2.2	2.9	2.0	-	-	-	-	8.5
Capsicum	.4	1.2	-	1.0	-	-	-	-	2.6
Cassava	27.8	65.6	85.0	52.3	10.9	-	10.0	-	251.5
Chestnut	-	.3	-	-	-	-	-	-	.3
Chilli	.4	.4	-	-	-	-	-	-	.7
Citrus-Orange	4.1	25.7	73.4	111.5	70.2	27.5	5.5	24.8	342.6
Coconut	4.7	10.8	19.1	23.8	16.5	3.0	21.5	12.0	111.4
Coffee	.1	-	-	-	-	-	-	-	.1
Kumara	18.3	31.9	20.3	16.6	4.0	-	-	-	91.1
Mango	1.0	-	1.5	-	6.0	3.0	-	-	11.5
Melon-Water	1.2	3.9	5.3	9.1	9.3	-	-	-	28.7
Pawpaw-Solo	3.1	12.8	49.1	70.8	23.9	11.9	-	-	171.6
Pineapple	.2	1.0	.5	2.6	-	-	-	-	4.3
Puraka	-	-	.5	-	-	-	-	-	.5
Taro-dry	11.7	21.2	13.9	13.4	-	-	-	-	60.2
Taro-wet, flooded	6.3	10.2	10.4	7.3	2.0	-	-	-	36.2
Taro-wet, raised	26.3	50.8	51.7	26.2	4.0	-	-	-	159.0
Tarua	12.7	15.0	12.2	3.3	2.0	-	-	-	45.2
Tomato	4.3	8.3	7.6	6.4	2.0	3.0	-	-	31.5
Vanilla	.1	.8	-	-	-	-	-	-	.9
Other root crops	.9	2.7	.5	-	-	-	-	-	4.1
Other tree crops	3.8	6.5	7.9	9.3	2.0	-	-	-	29.5
Other vegetable crops	6.7	8.0	8.3	9.3	2.0	-	-	-	34.3
Other crops-Not stated	.5	-	.5	1.3	-	-	-	-	2.3
All Crops	153.2	308.8	398.0	399.4	160.7	48.4	37.0	36.8	1542.2

Table 52: Crops Growing in Parcels Other than Scattered Crops -
Single Crop Equivalent Area (acres) of Separate Plantings by Region, Type of Crop
and Size of Planting (continued)

Region: OTHER SOUTHERN ISLANDS

Type of Crop	Size of Planting (single crop equivalent area)								Total
	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 & over	
Avocado	-	-	-	-	-	-	-	-	-
Banana-Cavendish	3.9	17.7	55.4	81.0	32.4	32.3	5.0	-	227.7
Banana-Ladyfinger	4.0	9.2	19.2	10.7	2.0	-	-	-	45.1
Banana-Plantain	4.8	8.3	8.9	8.9	2.5	-	-	-	33.5
Bean-Export	.1	.5	-	-	-	-	-	-	.6
Breadfruit	.1	-	-	-	-	-	-	-	.1
Cabbage-European	1.7	1.1	2.0	1.5	-	-	-	-	6.4
Capsicum	.3	2.1	1.8	-	-	-	-	-	4.1
Cassava	40.4	98.2	191.9	118.4	31.3	6.6	-	-	486.7
Chestnut	.1	.3	-	-	4.0	-	7.5	-	11.8
Chilli	1.0	1.6	-	-	-	-	-	-	2.6
Citrus-Orange	3.0	7.4	18.7	17.5	2.0	-	-	-	48.5
Coconut	2.8	11.6	31.4	67.8	49.3	100.5	105.0	104.0	472.4
Coffee	.7	2.6	5.1	8.8	2.0	-	10.0	-	29.1
Kumara	35.9	57.7	32.6	16.1	-	-	-	-	142.3
Mango	.2	-	-	1.0	-	-	-	-	1.2
Melon-Water	.7	1.2	4.9	9.3	-	-	-	-	16.0
Pawpaw-Solo	.2	.8	-	-	-	-	-	-	1.0
Pineapple	2.3	2.3	12.8	26.6	14.3	27.0	24.0	23.5	132.7
Puraka	2.5	4.8	4.1	3.7	4.0	-	7.5	-	26.5
Taro-dry	7.4	4.8	1.9	1.3	-	-	-	-	15.3
Taro-wet, flooded	10.7	39.0	39.7	16.9	2.0	-	-	-	108.2
Taro-wet, raised	23.3	42.4	69.3	25.6	-	-	-	-	160.6
Taru	39.7	77.5	78.6	32.6	4.5	-	-	-	233.0
Tomato	3.2	4.4	3.1	-	-	-	-	-	10.8
Vanilla	.4	2.0	4.5	2.0	-	-	-	-	8.9
Other root crops	4.6	13.3	12.3	6.3	5.0	-	-	-	41.6
Other tree crops	.9	1.7	4.9	2.5	-	4.0	-	-	14.0
Other vegetable crops	2.9	5.3	4.5	1.0	-	-	-	-	13.6
Other crops-Not stated	.4	.5	-	-	-	-	-	-	.9
All Crops	198.2	418.4	607.5	459.4	155.2	170.3	159.0	127.5	2295.5

Table 52: Crops Growing in Parcels Other than Scattered Crops--
Single Crop Equivalent Area (acres) of Separate Plantings by Region, Type of Crop
and Size of Planting (continued)

Region: NORTHERN ISLANDS

Type of Crop	Size of Planting (single crop equivalent area)								Total
	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 & over	
Avocado	-	-	-	-	-	-	-	-	-
Banana-Cavendish	.1	.5	-	-	-	-	-	-	.6
Banana-Ladyfinger	.3	-	.6	-	-	-	-	-	1.9
Banana-Plantain	1.0	2.3	4.1	1.0	-	-	-	-	8.4
Bean-Export	-	-	-	-	-	-	-	-	-
Breadfruit	.1	.4	-	-	-	-	-	-	.5
Cabbage-European	-	.3	-	-	-	-	-	-	.3
Capsicum	-	-	-	-	-	-	-	-	-
Cassava	-	1.5	2.2	5.3	2.0	4.0	-	-	15.0
Chestnut	-	-	-	-	-	-	-	-	-
Chilli	-	-	-	-	-	-	-	-	-
Citrus-Orange	-	-	-	-	-	-	-	-	-
Coconut	5.4	18.8	49.6	120.6	80.8	95.4	59.0	10.0	439.5
Coffee	-	-	-	-	-	-	-	-	-
Kumara	.4	2.3	.5	-	-	-	-	-	3.2
Mango	-	-	-	-	-	-	-	-	-
Melon-Water	-	-	-	-	-	-	-	-	-
Pawpaw-Solo	.6	.6	.5	-	-	-	-	-	1.8
Pineapple	-	-	-	-	-	-	-	-	-
Puraka	7.9	9.6	12.3	9.6	2.0	-	-	-	41.5
Taro-dry	1.1	.5	.5	-	-	-	-	-	2.2
Taro-wet, flooded	2.7	4.3	4.8	9.6	2.4	-	-	-	23.8
Taro-wet, raised	1.8	2.5	4.1	1.1	-	-	-	-	9.6
Tarua	-	.6	-	-	-	-	-	-	.6
Tomato	.4	.3	-	-	-	-	-	-	.7
Vanilla	-	-	-	-	-	-	-	-	-
Other root crops	-	-	-	-	-	-	-	-	-
Other tree crops	-	-	-	-	-	-	-	-	-
Other vegetable crops	.8	.5	-	-	-	-	-	-	1.3
Other crops-Not stated	-	-	-	-	-	-	-	-	-
All Crops	22.9	45.0	79.1	148.3	87.2	99.4	59.0	10.0	550.8

Table 52: Crops Growing in Parcels Other than Scattered Crops -
Single Crop Equivalent Area (acres) of Separate Plantings by Region, Type of Crop
and Size of Planting (continued)

Region: COOK ISLANDS

Type of Crop	Size of Planting (single crop equivalent area)										Total
	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 & over			
Avocado	1.1	.4	.5	1.0	-	-	-	-	-	2.9	
Banana-Cavendish	14.4	38.9	77.5	95.9	36.4	32.3	5.0	-	-	300.3	
Banana-Ladyfinger	7.5	11.8	21.3	14.3	2.0	-	-	-	-	56.9	
Banana-Plantain	7.7	12.7	14.0	12.2	2.5	-	-	-	-	49.1	
Bean-Export	.7	4.4	2.4	12.6	2.0	-	-	-	-	22.1	
Breadfruit	.5	.4	-	-	-	-	-	-	-	.9	
Cabbage-European	3.1	3.6	4.9	3.5	-	-	-	-	-	15.1	
Capsicum	.6	3.3	1.8	1.0	-	-	-	-	-	6.7	
Cassava	68.1	165.3	279.1	176.0	44.1	10.6	10.0	-	-	753.3	
Chestnut	.1	.5	-	-	4.0	-	7.5	-	-	12.1	
Chilli	1.3	2.0	-	-	-	-	-	-	-	3.3	
Citrus-Orange	7.2	33.0	92.1	129.0	72.2	27.5	5.5	24.8	-	391.1	
Coconut	12.9	41.2	100.0	212.2	146.5	198.9	185.5	126.0	-	1023.3	
Coffee	.7	2.6	5.1	8.8	2.0	-	10.0	-	-	29.2	
Kumara	54.7	91.8	53.4	32.7	4.0	-	-	-	-	236.6	
Mango	1.2	-	1.5	1.0	6.0	3.0	-	-	-	12.7	
Melon-Water	1.9	5.1	10.2	18.4	9.3	-	-	-	-	44.7	
Pawpaw-Solo	4.0	14.2	49.6	70.8	23.9	11.9	-	-	-	174.4	
Pineapple	2.5	3.3	13.3	29.3	14.3	27.0	24.0	23.5	-	137.0	
Puraka	10.4	14.4	16.9	13.2	6.0	-	7.5	-	-	68.5	
Taro-dry	20.3	26.5	16.3	14.6	-	-	-	-	-	77.7	
Taro-wet, flooded	19.8	53.5	54.8	33.8	6.4	-	-	-	-	168.3	
Taro-wet, raised	51.5	95.7	125.1	52.9	4.0	-	-	-	-	329.2	
Taru	52.4	93.1	90.9	35.9	6.5	-	-	-	-	278.7	
Tomato	7.9	13.0	10.7	6.4	2.0	3.0	-	-	-	43.0	
Vanilla	.6	2.7	4.5	2.0	-	-	-	-	-	9.8	
Other root crops	5.5	16.1	12.8	6.3	5.0	-	-	-	-	45.7	
Other tree crops	4.6	8.3	12.8	11.8	2.0	4.0	-	-	-	43.5	
Other vegetable crops	10.3	13.8	12.8	10.3	2.0	-	-	-	-	49.2	
Other crops-Not stated	.9	.5	.5	1.3	-	-	-	-	-	3.2	
All Crops	374.3	772.2	1084.6	1007.1	403.0	318.1	255.0	174.3		4388.5	

Table 53: Crops Growing in Parcels Other than Scattered Crops
Single Crop Equivalent Area (acres) of Separate Plantings by Region, Type of Crop and Proportion for Sale
Region: RAROTONGA

Type of Crop	Proportion for Sale						Proportion for Sale					
	None	1/4	1/2	3/4	All	Total	None	1/4	1/2	3/4	All	Total
Avocado	1.9	.2	.2	.7	-	2.9	-	-	-	-	-	-
Banana-Cavendish	54.1	4.6	6.7	2.3	4.4	72.0	33.2	3.3	-	-	191.2	227.7
Banana-Ladyfinger	9.8	-	.1	-	-	9.9	44.2	.5	-	-	.4	45.1
Banana-Plantain	6.9	-	-	-	-	7.2	31.4	.9	.8	-	.4	33.5
Bean-Export	.3	.5	.6	3.9	16.1	21.5	.1	-	-	-	.5	.6
Breadfruit	.3	-	-	-	-	.3	.1	-	-	-	-	.1
Cabbage-European	1.4	.1	.5	1.7	4.8	8.5	.4	.5	.9	3.5	1.1	6.4
Capsicum	-	-	.2	.3	2.2	2.6	.5	-	-	.3	3.3	4.1
Cassava	206.2	5.9	21.9	6.7	10.9	251.5	422.4	7.7	38.7	17.0	1.0	486.7
Chestnut	.3	-	-	-	-	.3	2.1	-	9.8	-	-	11.8
Chilli	-	-	-	.1	.7	.7	.9	-	-	-	-	2.6
Citrus-Orange	199.4	15.5	22.6	27.1	78.0	342.6	31.9	4.1	10.3	-	1.7	48.5
Coconut	93.2	.5	14.7	3.0	-	111.4	449.3	5.4	14.2	-	2.1	472.4
Coffee	.1	-	-	-	-	.1	8.5	-	2.5	9.8	3.5	29.1
Kumara	70.9	2.2	10.2	3.7	4.1	91.1	129.3	1.9	5.1	4.1	1.8	142.3
Mango	1.9	.1	2.0	5.5	2.0	11.5	1.2	-	-	-	-	1.2
Melon-Water	4.3	-	2.5	5.3	16.7	28.7	3.2	.7	.4	4.5	7.3	16.0
Pawpaw-Solo	22.6	2.5	7.5	33.7	105.2	171.6	.6	-	-	-	.4	1.0
Pineapple	4.2	-	-	-	.1	4.3	6.1	3.3	6.3	66.2	50.9	132.7
Puraka	.5	-	-	-	-	.5	26.5	-	-	-	-	26.5
Taro-dry	47.9	1.1	5.9	2.3	3.1	60.2	13.3	-	2.0	-	-	15.3
Taro-wet, flooded	27.6	2.0	4.0	1.4	1.3	36.2	85.7	4.7	12.7	4.5	.8	108.2
Taro-wet, raised	122.2	9.6	13.8	9.7	3.7	159.0	133.8	7.5	15.1	2.6	1.5	160.6
Tarua	35.3	1.2	3.9	3.1	1.6	45.2	187.2	6.4	23.8	6.4	9.2	233.0
Tomato	8.3	.7	6.9	3.7	11.8	31.5	2.3	-	1.5	3.5	3.5	10.8
Vanilla	.9	-	-	-	-	.9	4.8	.8	-	.8	2.6	8.9
Other root crops	2.8	.3	.4	.6	-	4.1	32.8	1.2	3.0	4.5	-	41.6
Other tree crops	21.2	1.0	1.0	1.6	4.6	29.5	9.9	-	-	4.0	.1	14.0
Other vegetable crops	9.5	1.2	4.4	4.9	14.3	34.3	4.8	.3	1.1	3.1	4.4	13.6
Other crops-Not stated	1.3	-	-	.4	.5	2.3	.5	.3	.1	-	-	.9
All Crops	955.4	49.0	130.1	121.6	286.1	1542.2	1667.2	49.3	148.2	134.8	296.1	2295.5

Region: OTHER SOUTHERN ISLANDS

Table 53: Crops Growing in Parcels Other than Scattered Crops -

Single-Crop Equivalent Area (acres) of Separate Plantings by Region, Type of Crop and Proportion for Sale (continued)

Region: NORTHERN ISLANDS

Type of Crop	Proportion for Sale					
	None	1/4	1/2	3/4	All	Total
Avocado	-	-	-	-	-	-
Banana-Cavendish	.6	-	-	-	-	.6
Banana-Ladyfinger	1.9	-	-	-	-	1.9
Banana-Plantain	8.4	-	-	-	-	8.4
Bean-Export	-	-	-	-	-	-
Breadfruit	.5	-	-	-	-	.5
Cabbage-European	.3	-	-	-	-	.3
Capicum	-	-	-	-	-	-
Cassava	15.0	-	-	-	-	15.0
Chestnut	-	-	-	-	-	-
Chilli	-	-	-	-	-	-
Citrus-Orange	-	-	-	-	-	-
Coconut	359.5	38.9	32.1	9.1	-	439.5
Coffee	-	-	-	-	-	-
Kumara	3.2	-	-	-	-	3.2
Mango	-	-	-	-	-	-
Melon-Water	-	-	-	-	-	-
Pawpaw-Solo	1.8	-	-	-	-	1.8
Pineapple	-	-	-	-	-	-
Puraka	41.2	-	.3	-	-	41.5
Taro-dry	2.2	-	-	-	-	2.2
Taro-wet, flooded	23.8	-	-	-	-	23.8
Taro-wet, raised	9.6	-	-	-	-	9.6
Tarua	.6	-	-	-	-	.6
Tomato	.7	-	-	-	-	.7
Vanilla	-	-	-	-	-	-
Other root crops	-	-	-	-	-	-
Other tree crops	-	-	-	-	-	-
Other vegetable crops	1.3	-	-	-	-	1.3
Other crops-Not stated	-	-	-	-	-	-
All Crops	470.5	38.9	32.3	9.1	-	550.8

Region: COOK ISLANDS

Type of Crop	Proportion for Sale					
	None	1/4	1/2	3/4	All	Total
Avocado	1.9	.2	.2	.7	-	2.9
Banana-Cavendish	87.9	7.8	6.7	2.3	195.6	300.3
Banana-Ladyfinger	55.9	.5	.1	-	.4	56.9
Banana-Plantain	46.7	.9	.8	-	.7	49.1
Bean-Export	.4	.5	.6	3.9	16.6	22.1
Breadfruit	.9	-	-	-	-	.9
Cabbage-European	2.2	.6	1.4	5.2	5.8	15.1
Capicum	.5	-	.2	.6	5.5	6.7
Cassava	643.6	13.5	60.6	23.6	11.9	753.3
Chestnut	2.3	-	9.8	-	-	12.1
Chilli	.9	-	-	.1	2.4	3.3
Citrus-Orange	231.4	19.6	32.9	27.1	80.1	391.1
Coconut	902.0	44.8	60.9	12.1	3.5	1023.3
Coffee	8.6	-	2.5	9.8	8.4	29.2
Kumara	203.4	4.1	15.4	7.8	5.9	236.6
Mango	3.0	.1	2.0	5.5	2.0	12.7
Melon-Water	7.4	.7	2.9	9.8	23.9	44.7
Pawpaw-Solo	25.0	2.5	7.5	33.7	105.6	174.4
Pineapple	10.3	3.3	6.3	66.2	50.9	137.0
Puraka	68.3	-	.3	-	-	68.5
Taro-dry	63.4	1.1	7.9	2.3	3.1	77.7
Taro-wet, flooded	137.1	6.6	16.6	5.9	2.0	168.3
Taro-wet, raised	265.6	17.1	29.0	12.3	5.2	329.2
Tarua	223.1	7.5	27.7	9.6	10.9	278.7
Tomato	11.3	.7	8.4	7.2	15.3	43.0
Vanilla	5.7	.8	-	.8	2.6	9.8
Other root crops	35.6	1.5	3.5	5.1	-	45.7
Other tree crops	31.1	1.0	1.0	5.6	4.7	43.5
Other vegetable crops	15.6	1.4	5.5	8.1	18.6	49.2
Other crops-Not stated	1.9	.3	.1	.4	.5	3.2
All Crops	3093.1	137.2	310.6	265.4	582.3	4388.5

Table 54: Scattered Crops Growing in Parcels -
Number of Separate Plantings by Type of Crop and Island

Type of Crop	ISLAND												COOK ISLANDS
	Raro-tonga	Aitu-taki	Mangaia	Atiu	Mauke	Mitiaro	Palmerston	Puka-puka	Nassau	Mani-hiki	Raka-banga	Penrhyn	
Avocado	135	21	10	3	1	3	-	-	-	-	-	-	173
Banana-Cavendish	166	18	25	13	1	1	-	5	-	2	4	20	255
Banana-Ladyfinger	96	17	13	9	10	22	-	4	-	11	1	-	183
Banana-Plantain	51	68	6	7	16	1	-	50	2	-	-	35	236
Bean-Export	-	-	-	-	-	-	-	-	-	1	-	-	1
Breadfruit	151	42	8	26	8	52	-	3	-	6	-	21	317
Cabbage-European	2	-	-	1	-	-	-	-	-	-	-	-	3
Capsicum	2	2	-	-	-	-	-	-	-	-	-	-	5
Cassava	10	1	-	-	-	5	-	-	-	-	-	1	21
Chestnut	114	101	4	46	15	33	-	-	-	5	-	-	313
Chilli	4	144	-	-	1	2	-	-	-	-	-	-	151
Citrus-Orange	75	27	13	4	-	-	-	-	-	-	-	1	120
Coconut	729	1065	147	141	98	55	-	12	-	-	1	2	2250
Coffee	4	-	2	-	-	-	-	-	-	-	-	-	6
Kumara	6	3	-	-	-	1	-	-	-	6	-	1	17
Mango	241	498	10	53	40	28	-	-	-	-	-	-	870
Melon-Water	1	1	-	-	-	-	-	-	-	2	-	-	4
Pawpaw-Solo	32	11	3	-	2	-	-	1	-	3	-	30	82
Pineapple	1	2	-	-	-	-	-	-	-	-	-	-	3
Puraka	-	37	-	-	-	2	-	3	9	6	-	1	58
Taro-dry	8	-	-	-	-	-	-	-	-	1	-	-	10
Taro-wet, flooded	-	-	-	-	-	-	-	-	-	-	-	-	-
Taro-wet, raised	1	1	-	-	-	1	-	-	-	2	-	-	3
Taru	22	-	-	-	-	4	-	-	-	1	-	-	28
Tomato	9	-	-	-	-	-	-	-	-	1	-	-	12
Vanilla	3	1	-	1	-	-	-	-	-	-	-	-	4
Other root crops	12	3	-	1	1	3	-	-	-	-	-	-	20
Other tree crops	371	450	20	16	12	6	-	-	-	4	2	7	888
Other vegetable crops	45	15	-	5	-	-	-	-	-	17	1	-	83
Other crops-Not stated	29	21	-	-	2	5	-	-	-	-	-	-	57
All Crops	2320	2549	261	327	207	224	-	78	11	67	9	120	6173

Table 55: Scattered Crops Growing in Parcels -
Number of Plants Growing at the Time of the Census by Type of Crop and Island

Type of Crop	ISLAND													COOK ISLANDS
	Raro-tonga	Aitu-taki	Mangaia	Atiu	Mauke	Mitiaro	Palmerston	Pukapuka	Nassau	Manihiki	Rakahanga	Penrhyn		
Avocado	711	43	23	17	8	8	-	-	-	-	-	-	-	810
Banana-Cavendish	3364	218	341	284	20	3	-	80	-	19	19	76	-	4424
Banana-Ladyfinger	1601	324	219	260	211	269	-	56	-	158	4	-	-	3102
Banana-Plantain	712	868	66	161	309	3	-	537	50	-	-	239	-	2945
Bean-Export	-	-	-	-	-	-	-	-	-	10	-	-	-	10
Breadfruit	349	103	23	146	42	299	-	4	-	18	-	43	-	1027
Cabbage-European	180	-	-	100	-	-	-	-	-	-	-	-	-	280
Capsicum	230	71	-	-	-	-	-	-	-	-	-	10	-	311
Cassava	885	250	-	-	-	-	-	-	-	177	-	-	-	2106
Chestnut	342	281	17	358	83	87	-	-	-	-	-	-	-	1168
Chilli	61	1571	-	-	100	84	-	-	-	-	-	-	-	1816
Citrus-Orange	901	223	103	107	-	-	-	-	-	-	-	4	-	1338
Coconut	8624	8547	1818	2716	1119	402	-	37	-	-	7	4	-	23274
Coffee	61	-	70	-	-	-	-	-	-	-	-	-	-	131
Kumara	771	113	-	-	-	50	-	-	-	241	-	10	-	1185
Mango	1047	1402	28	484	164	77	-	-	-	45	-	-	-	3202
Melon-Water	30	20	-	-	-	-	-	-	-	38	-	-	-	95
Pawpaw-Solo	589	72	42	-	33	-	-	5	-	-	-	146	-	925
Pineapple	60	53	-	-	-	-	-	-	-	-	-	-	-	113
Puraka	-	1325	-	-	-	150	-	140	1510	218	-	20	-	3363
Taro-dry	550	-	-	20	-	-	-	-	-	20	-	-	-	590
Taro-wet, flooded	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taro-wet, raised	6	25	-	-	-	8	-	-	-	-	-	-	-	39
Tarua	908	-	-	-	-	214	-	-	-	70	-	-	-	1192
Tomato	910	-	-	-	-	-	-	-	-	10	-	10	-	960
Vanilla	25	1	-	-	-	-	-	-	-	-	-	-	-	26
Other root crops	1017	107	-	6	30	63	-	-	-	-	-	-	-	1223
Other tree crops	1896	3363	85	129	81	64	-	-	-	13	11	20	-	5662
Other vegetable crops	3480	386	-	167	-	-	-	-	-	418	5	-	-	4456
Other crops-Not stated	430	449	-	-	6	158	-	-	-	-	-	-	-	1043
All Crops	29740	19815	2835	4985	2206	2733	-	859	1560	1455	46	582	-	66816

Table 55A: Scattered Crops Growing in Parcels -
Single Crop Equivalent Area (acres) by Type of Crop and Island

Type of Crop	ISLAND											COOK ISLANDS
	Raro-tonga	Aitu-taki	Mangaia	Atiu	Mauke	Mitiaro	Palmerston	Puka-puka	Nassau	Manihiki	Rakahanga	Penrhyn
Avocado	17.3	1.0	.6	.4	.2	.2	-	-	-	-	-	-
Banana-Cavendish	4.0	.3	.4	.3	*	*	-	.1	-	*	*	.1
Banana-Ladyfinger	1.9	.4	.3	.3	.3	.3	-	.1	-	.2	*	.1
Banana-Plantain	.9	1.0	.1	.2	.4	*	-	.6	.1	-	-	.3
Bean-Export	-	-	-	-	-	-	-	-	-	*	-	-
Breadfruit	8.5	2.5	.6	3.6	1.0	7.3	-	.1	-	.4	-	1.0
Cabbage-European	*	*	-	*	-	-	-	-	-	-	-	-
Capsicum	*	*	-	-	-	-	-	-	-	-	-	-
Cassava	.1	*	-	-	-	.1	-	-	-	-	-	*
Chestnut	8.3	6.9	.4	8.7	2.0	2.1	-	-	-	*	-	-
Chilli	.1	1.9	-	-	.1	.1	-	-	-	-	-	-
Citrus-Orange	5.3	1.3	.6	.6	-	-	-	-	-	-	-	-
Coconut	113.5	112.5	23.9	35.7	14.7	5.3	-	.5	-	-	.1	.1
Coffee	.2	-	.2	-	-	-	-	-	-	-	-	.1
Kumara	.1	*	-	-	-	*	-	-	-	-	-	.3
Mango	25.5	34.2	.7	11.8	4.0	1.9	-	-	-	*	-	.1
Melon-Water	*	*	-	-	-	-	-	-	-	*	-	.1
Pawpaw-Solo	.7	.1	.1	-	-	-	-	*	-	*	-	.1
Pineapple	*	*	-	-	*	-	-	*	-	*	-	.2
Puraka	-	.2	-	-	-	*	-	-	-	-	-	.4
Taro-dry	.1	-	-	*	-	*	-	*	.2	*	-	*
Taro-wet, flooded	-	-	-	-	-	-	-	-	-	*	-	-
Taro-wet, raised	*	*	-	-	-	*	-	-	-	-	-	-
Tarua	.1	-	-	-	-	*	-	-	-	-	-	-
Tomato	.1	-	-	*	-	*	-	-	-	*	-	-
Vanilla	.1	*	-	-	-	-	-	-	-	*	-	.1
Other root crops	.1	*	-	-	-	-	-	-	-	-	-	.1
Other tree crops	4.7	8.3	.2	*	*	*	-	-	-	-	-	.2
Other vegetable crops	.3	*	-	*	.2	.2	-	-	-	*	*	*
Other crops-Not stated	.5	.5	-	-	*	.2	-	-	-	-	-	-
All Crops	192.5	171.2	27.9	62.1	23.0	17.7	-	1.4	.2	.9	.1	1.7
												498.9

* Less than 0.1 acre

Table 56: Scattered Crops Growing in Parcels --
Number of Plants by Region, Type of Crop and Proportion for Sale

Region: RAROTONGA

Type of Crop	Proportion for Sale					
	None	1/4	1/2	3/4	All	Total
Avocado	503	32	25	37	114	711
Banana-Cavendish	3150	52	100	12	50	3364
Banana-Ladyfinger	1601	-	-	-	-	1601
Banana-Plantain	662	-	50	-	-	712
Bean-Export	-	-	-	-	-	-
Breadfruit	346	3	-	-	-	349
Cabbage-European	-	-	-	130	50	180
Capicum	230	-	-	-	-	230
Cassava	885	-	-	-	-	885
Chestnut	341	-	-	-	1	342
Chilli	11	-	-	-	50	61
Citrus-Orange	733	8	116	-	44	901
Coconut	8506	-	115	-	3	8624
Coffee	61	-	-	-	-	61
Kumara	771	-	-	-	-	771
Mango	992	15	14	26	-	1047
Melon-Water	30	-	-	-	-	30
Pawpaw-Solo	529	20	40	-	-	589
Pineapple	60	-	-	-	-	60
Purakā	-	-	-	-	-	-
Taro-dry	550	-	-	-	-	550
Taro-wet, flooded	-	-	-	-	-	-
Taro-wet, raised	6	-	-	-	-	6
Taruā	908	-	-	-	-	908
Tomato	510	-	150	-	250	910
Vanilla	25	-	-	-	-	25
Other root crops	367	-	200	400	50	1017
Other tree crops	1816	35	8	15	22	1896
Other vegetable crops	1468	160	23	909	920	3480
Other crops-Not stated	370	-	-	-	60	430
All Crops	25431	325	841	1529	1614	29740

Region: OTHER SOUTHERN ISLANDS

	Proportion for Sale					
	None	1/4	1/2	3/4	All	Total
	96	3	-	-	-	99
	866	-	-	-	-	866
	1238	-	45	-	-	1283
	1407	-	-	-	-	1407
	-	-	-	-	-	-
	613	-	-	-	-	613
	100	-	-	-	-	100
	71	-	-	-	-	71
	794	-	-	-	-	794
	755	15	55	-	250	1044
	1655	-	-	-	1	826
	428	-	5	-	100	433
	14458	112	32	-	-	14602
	70	-	-	-	-	70
	163	-	-	-	-	163
	1862	76	138	34	45	2155
	20	-	-	-	-	20
	147	-	-	-	-	147
	53	-	-	-	-	53
	1475	-	-	-	-	1475
	20	-	-	-	-	20
	-	-	-	-	-	-
	33	-	-	-	-	33
	214	-	-	-	-	214
	30	-	-	-	-	30
	1	-	-	-	-	1
	156	-	50	-	-	206
	3712	-	5	4	1	3722
	553	-	-	-	-	553
	613	-	-	-	-	613
	31603	206	330	38	397	32574

Table 56: Scattered Crops Growing in Parcels -
Number of Plants by Region, Type of Crop and Proportion for Sale (continued)

Region: NORTHERN ISLANDS

Type of Crop	Proportion for Sale				
	None	1/4	1/2	3/4	All Total
Avocado	-	-	-	-	-
Banana-Cavendish	194	-	-	-	194
Banana-Ladyfinger	218	-	-	-	218
Banana-Plantain	826	-	-	-	826
Bean-Export	10	-	-	-	10
Breadfruit	65	-	-	-	65
Cabbage-European	-	-	-	-	-
Capsicum	10	-	-	-	10
Cassava	177	-	-	-	177
Chestnut	-	-	-	-	-
Chilli	-	-	-	-	-
Citrus-Orange	4	-	-	-	4
Coconut	48	-	-	-	48
Coffee	-	-	-	-	-
Kumara	251	-	-	-	251
Mango	-	-	-	-	-
Melon-Water	45	-	-	-	45
Pawpaw-Solo	189	-	-	-	189
Pineapple	-	-	-	-	-
Puraka	1888	-	-	-	1888
Taro-dry	20	-	-	-	20
Taro-wet, flooded	-	-	-	-	-
Taro-wet, raised	-	-	-	-	-
Tarua	-	-	-	-	-
Tomato	70	-	-	-	70
Vanilla	20	-	-	-	20
Other root crops	-	-	-	-	-
Other tree crops	44	-	-	-	44
Other vegetable crops	423	-	-	-	423
Other crops-Not stated	-	-	-	-	-
All Crops	4502	-	-	-	4502

Region: COOK ISLANDS

	Proportion for Sale				
	None	1/4	1/2	3/4	All Total
	599	35	25	37	114
	4210	52	100	12	50
	3057	-	45	-	-
	2895	-	50	-	-
	10	-	-	-	-
	1024	3	-	-	-
	100	-	-	130	50
	311	-	-	-	311
	1856	-	-	-	250
	1096	15	55	-	2
	1666	-	-	-	150
	1165	8	121	-	1816
	23012	112	147	-	44
	131	-	-	-	3
	1185	-	-	-	131
	2854	91	152	-	1185
	95	-	-	60	45
	865	20	40	-	95
	113	-	-	-	925
	3363	-	-	-	113
	590	-	-	-	3363
	-	-	-	-	590
	39	-	-	-	-
	1192	-	-	-	39
	560	-	150	-	1192
	26	-	-	-	250
	523	-	250	-	26
	5572	35	13	400	50
	2444	160	23	19	23
	983	-	-	909	5662
	-	-	-	-	920
	-	-	-	-	4456
	-	-	-	-	1043
	61536	531	1171	1567	2011
	-	-	-	-	66816

Table 57: Scattered Crops Growing in Parcels -
Number of Separate Plantings by Region, Type of Crop and Size of Planting

Region: RAROTONGA										Region: OTHER SOUTHERN ISLANDS									
Type of Crop	Size of Planting (number of plants)							Size of Planting (number of plants)											
	1-4	5-9	10-24	25-49	50-99	100 & over	Total	1-4	5-9	10-24	25-49	50-99	100 & over	Total					
Avocado	99	20	11	2	3	-	135	33	3	2	-	-	-	38					
Banana-Cavendish	16	25	79	29	16	1	166	9	14	25	9	1	-	58					
Banana-Ladyfinger	10	21	49	9	7	-	96	11	16	29	9	6	-	71					
Banana-Plantain	10	16	17	3	5	-	51	19	23	40	12	4	-	98					
Bean-Export	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Breadfruit	139	10	2	-	-	-	151	84	41	9	1	1	-	136					
Cabbage-European	-	-	-	-	1	1	2	-	-	-	-	-	1	1					
Capsicum	-	-	-	-	-	2	2	-	-	1	-	1	-	2					
Cassava	-	-	3	-	3	3	10	1	-	-	1	1	-	6					
Chestnut	94	16	4	-	-	-	114	142	34	19	4	-	-	199					
Chilli	2	1	-	-	1	-	4	18	49	70	7	-	3	147					
Citrus-Orange	24	23	15	10	3	-	75	13	12	17	1	1	-	44					
Coconut	210	185	254	62	18	-	729	563	405	427	79	28	4	1506					
Coffee	1	-	2	1	-	-	4	-	-	1	-	1	-	2					
Kumara	1	-	1	-	-	4	6	1	-	-	-	3	-	4					
Mango	170	48	20	3	-	-	241	504	78	45	2	-	-	629					
Melon-Water	-	-	-	1	-	-	1	-	-	1	-	-	-	1					
Pawpaw-Solo	5	6	15	4	1	1	32	5	3	7	1	-	-	16					
Pineapple	-	-	-	-	1	-	1	1	-	-	-	1	-	2					
Puraka	-	-	-	-	-	-	-	1	-	20	9	4	5	39					
Taro-dry	-	-	1	-	4	3	8	-	-	1	-	-	-	1					
Taro-wet, flooded	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Taro-wet, raised	-	1	-	-	-	-	1	-	1	-	1	-	-	2					
Taru	2	1	5	3	8	3	22	-	-	1	-	2	1	4					
Tomato	-	-	1	1	2	5	9	-	-	-	1	-	-	1					
Vanilla	1	-	2	-	-	-	3	1	-	-	-	-	-	1					
Other root crops	1	1	3	-	3	4	12	-	3	-	3	2	-	8					
Other tree crops	253	62	44	8	4	-	371	203	146	142	11	2	-	504					
Other vegetable crops	7	1	7	4	12	14	45	1	1	11	3	3	1	20					
Other crops-Not stated	11	4	10	1	2	1	29	9	3	7	4	4	1	28					
All Crops	1056	441	545	142	94	42	2320	1619	832	875	158	65	19	3568					

Table 57: Scattered Crops Growing in Parcels -
Number of Separate Plantings by Region, Type of Crop and Size of Planting (continued)

Region: NORTHERN ISLANDS										Region: COOK ISLANDS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Type of Crop	Size of Planting (number of plants)								Total		Size of Planting (number of plants)								Total																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	1-4	5-9	10-24	25-49	50-99	100 & over		1-4			5-9	10-24	25-49	50-99	100 & over																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Avocado																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

Table 58: Scattered Crops Growing in Parcels -

Number of Plants Growing at the Time of the Census by Region, Type of Crop and Size of Planting

Region: RAROTONGA										Region: OTHER SOUTHERN ISLANDS									
Type of Crop	Size of Planting (number of plants)							100 & over	Total	Size of Planting (number of plants)							100 & over	Total	
	1-4	5-9	10-24	25-49	50-99	100 & over	1-4			5-9	10-24	25-49	50-99	100 & over					
Avocado	211	132	152	56	160	-	711			49	21	29	-	-	99				
Banana-Cavendish	53	159	1228	946	878	100	3364			28	86	401	301	50	866				
Banana-Ladyfinger	28	134	740	309	390	-	1601			36	101	456	320	370	1283				
Banana-Plantain	26	108	217	111	250	-	712			66	157	587	387	210	1407				
Bean-Export	-	-	-	-	-	-	-			-	-	-	-	-	-				
Breadfruit	273	54	22	-	-	-	349			179	240	119	25	50	613				
Cabbage-European	-	-	-	-	50	-	180			-	-	-	-	-	100				
Capsicum	-	-	-	-	-	230	230			-	-	15	-	56	71				
Cassava	-	-	55	30	150	650	885			3	-	-	41	50	950				
Chestnut	191	101	50	-	-	-	342			296	195	210	125	-	826				
Chilli	5	6	-	-	50	-	61			43	270	927	215	70	300				
Citrus-Orange	68	148	197	322	166	-	901			35	75	228	25	-	1755				
Coconut	570	1204	3723	2030	1097	-	8624			1517	2520	5973	2550	1592	450	14602			
Coffee	1	-	30	30	-	-	61			-	-	20	-	50	-	70			
Kumara	1	-	20	-	-	-	771			3	-	-	-	160	-	163			
Mango	357	318	285	87	-	-	1047			1085	459	541	70	-	2155				
Melon-Water	-	-	-	30	-	-	30			-	-	20	-	-	20				
Pawpaw-Solo	15	44	255	125	50	100	589			14	15	88	30	-	147				
Pineapple	-	-	-	-	60	-	60			3	-	-	-	50	53				
Puraka	-	-	-	-	-	-	-			4	-	336	306	229	600	1475			
Taro-dry	-	-	20	-	230	300	550			-	-	20	-	-	20	-			
Taro-wet, flooded	-	-	-	-	-	-	-			-	-	-	-	-	-	-			
Taro-wet, raised	-	6	-	-	-	-	6			-	8	-	25	-	33	-			
Taru	7	6	95	100	400	300	908			-	-	14	-	100	100	214			
Tomato	-	-	20	40	100	750	910			-	-	-	30	-	30	-			
Vanilla	3	-	22	-	-	-	25			1	-	-	-	-	1	-			
Other root crops	1	6	60	-	150	800	1017			-	19	-	87	100	206	-			
Other tree crops	494	372	586	244	200	-	1896			510	896	1885	321	110	3722	-			
Other vegetable crops	14	6	111	120	670	2559	3480			2	5	191	95	160	553	-			
Other crops-Not stated	17	28	145	40	100	100	430			18	15	120	130	230	100	613			
All Crops	2335	2832	8033	4620	5151	6769	29740			3892	5082	12180	5083	3637	2700	32574			

Table 58: Scattered Crops Growing in Parcels -

Number of Plants Growing at the Time of the Census by Region, Type of Crop and Size of Planting (continued)

Region: NORTHERN ISLANDS

Type of Crop	Size of Planting (number of plants)					
	1-4	5-9	10-24	25-49	50-99	100 & over
Avocado	-	-	-	-	-	-
Banana-Cavendish	48	44	102	-	-	194
Banana-Ladyfinger	8	31	97	32	50	218
Banana-Plantain	43	189	349	245	-	826
Bean-Export	-	-	10	-	-	10
Breadfruit	44	21	-	-	-	65
Cabbage-European	-	-	-	-	-	-
Capsicum	-	-	10	-	-	10
Cassava	-	-	27	-	150	177
Chestnut	-	-	-	-	-	-
Chilli	-	-	-	-	-	-
Citrus-Orange	4	-	-	-	-	4
Cocount	21	7	20	-	-	48
Coffee	-	-	-	-	-	-
Kumara	-	-	26	25	200	251
Mango	-	-	-	-	-	-
Melon-Water	-	-	10	35	-	45
Pawpaw-Solo	48	66	75	-	-	189
Pineapple	-	-	-	-	-	-
Puraka	-	-	100	138	240	1410
Taro-dry	-	-	20	-	-	20
Taro-wet, flooded	-	-	-	-	-	-
Taro-wet, raised	-	-	-	-	-	-
Taru	-	-	20	-	50	70
Tomato	-	-	20	-	-	20
Vanilla	-	-	-	-	-	-
Other root crops	-	-	-	-	-	-
Other tree crops	20	14	10	-	-	44
Other vegetable crops	2	13	145	63	200	423
Other crops-Not stated	-	-	-	-	-	-
All Crops	238	385	1041	538	890	1410
						4502

Region: COOK ISLANDS

Type of Crop	Size of Planting (number of plants)					
	1-4	5-9	10-24	25-49	50-99	100 & over
Avocado	-	-	-	-	-	-
Banana-Cavendish	260	153	181	56	160	810
Banana-Ladyfinger	129	289	1731	1247	928	4424
Banana-Plantain	72	266	1293	661	810	3102
Bean-Export	135	454	1153	743	460	2945
Breadfruit	-	-	10	-	-	10
Cabbage-European	496	315	141	25	50	1027
Capsicum	-	-	-	-	50	230
Cassava	3	-	25	-	56	230
Chestnut	487	296	82	71	350	1600
Chilli	48	276	260	325	-	1168
Citrus-Orange	107	223	927	215	50	1816
Cocount	2108	3731	425	347	236	1338
Coffee	1	-	9716	4580	2689	23274
Kumara	4	-	50	30	50	131
Mango	1442	777	46	25	360	1185
Melon-Water	-	-	826	157	-	3202
Pawpaw-Solo	-	125	30	65	-	95
Pineapple	77	418	155	50	100	925
Puraka	3	-	-	-	110	113
Taro-dry	4	-	436	444	469	3363
Taro-wet, flooded	-	-	60	-	230	590
Taro-wet, raised	-	-	-	-	-	-
Taru	-	14	-	25	-	39
Tomato	7	6	129	100	550	1192
Vanilla	4	-	40	70	100	960
Other root crops	-	-	22	-	-	26
Other tree crops	1	25	60	87	250	800
Other vegetable crops	1024	1282	2481	565	310	5662
Other crops-Not stated	18	24	447	278	1030	4456
All Crops	6465	8299	21254	10241	9678	10879
						66816

Table 59: Scattered Crops Growing Outside Parcels -
Number of Separate Plantings by Type of Crop and Island

Type of Crop	ISLAND												COOK ISLANDS
	Raro- tonga	aitu- taki	Mangaia	Atiu	Mauke	Mitiaro	Palmer- ston	Puka- puka	Nassau	Mani- hiki	Raka- hanga	Penrhyn	
Avocado	271	82	28	16	4	6	-	-	-	1	-	-	408
Banana-Cavendish	205	8	14	7	1	1	2	2	-	6	22	5	273
Banana-Ladyfinger	165	64	18	15	16	2	-	5	-	17	2	-	304
Banana-Plantain	72	154	2	8	5	1	-	58	17	2	2	16	337
Bean-Export	1	-	-	-	-	-	-	-	-	-	-	-	1
Breadfruit	405	202	46	84	35	7	1	20	-	20	17	18	855
Cabbage-European	-	1	-	-	-	-	-	-	-	-	-	-	1
Capsicum	1	3	-	-	-	-	-	1	-	-	-	-	5
Cassava	6	5	-	2	-	-	1	1	-	-	5	-	20
Chestnut	115	72	15	92	4	13	-	1	-	-	-	-	311
Chilli	22	145	-	-	1	-	-	1	-	-	-	-	169
Citrus-Orange	90	27	3	8	1	-	-	-	-	-	-	-	129
Coconut	785	333	189	145	86	28	1	67	18	1	11	7	1671
Coffee	3	-	-	2	-	-	-	-	-	3	-	-	5
Kumara	1	4	-	-	-	-	-	-	-	1	2	-	10
Mango	500	292	44	112	41	7	-	-	-	1	-	-	997
Melon-Water	-	-	-	-	-	-	-	-	-	3	1	7	154
Pawpaw-Solo	87	38	-	1	1	-	3	13	-	3	1	-	30
Pineapple	2	27	-	-	-	-	-	-	-	1	4	-	7
Puraka	1	1	-	-	-	-	1	-	-	-	-	-	9
Taro-dry	5	4	-	-	-	-	-	-	-	-	3	-	4
Taro-wet, flooded	1	-	-	-	-	-	-	-	-	1	1	-	5
Taro-wet, raised	2	-	-	1	-	-	-	-	-	3	1	-	18
Tarua	7	6	-	-	-	-	-	1	-	5	-	-	8
Tomato	2	1	-	-	-	-	-	-	-	-	-	-	6
Vanilla	4	1	-	-	1	-	-	-	-	-	-	-	33
Other root crops	10	21	-	-	-	-	-	-	-	2	-	-	33
Other tree crops	1042	794	26	79	47	9	-	36	17	18	22	3	2093
Other vegetable crops	59	96	-	7	1	-	-	-	-	22	34	-	219
Other crops-Not stated	88	200	1	-	22	-	-	-	-	1	-	-	312
All Crops	3952	2581	386	579	266	74	9	205	52	107	127	56	8394

Number of Plants by Type of Crop and Island

Type of Crop	Raro-tonga	Aitu-taxi	Mangaia	Atiu	Mauke	Mitiaro	Palmerston	Puka-puka	Nassau	Manihiki	Rakahanga	Pennrhyn	COOK ISLANDS
Avocado	1013	178	143	60	6	15	-	-	-	1	-	-	1416
Banana-Cavendish	3734	97	226	50	16	20	30	20	-	67	153	8	4421
Banana-Ladyfinger	3235	1478	464	558	229	55	-	35	-	219	45	-	6318
Banana-Plantain	1065	2479	90	161	78	10	-	911	262	9	18	100	5183
Bean-Export	200	-	-	-	-	-	-	-	-	-	-	-	200
Breadfruit	1266	668	191	478	104	61	10	34	-	59	75	26	2972
Cabbage-European	-	30	-	-	-	-	-	-	-	-	-	-	30
Capiscum	2	77	-	-	-	-	-	15	-	-	-	-	94
Cassava	580	210	-	45	-	-	3000	100	-	-	130	-	4065
Chestnut	365	294	58	654	35	38	-	-	-	-	-	-	1444
Chilli	175	1969	-	-	1	-	-	10	-	-	-	-	2155
Citrus-Orange	779	111	12	163	6	-	-	-	-	-	-	-	1071
Coconut	14164	8169	6177	4053	1784	579	120	1634	1298	20	993	38	39029
Coffee	24	-	-	120	-	-	-	-	-	-	-	-	144
Kumara	20	47	-	-	-	-	-	-	-	74	50	-	191
Mango	2433	2455	197	765	207	26	-	-	-	1	-	-	6084
Melon-Water	-	-	-	-	-	-	-	-	-	-	-	-	-
Pawpaw-Solo	919	266	-	10	6	-	34	87	-	33	7	23	1385
Pineapple	20	1036	-	-	-	-	-	-	-	2	-	-	1058
Puraka	200	20	-	-	-	-	600	-	-	-	-	-	2170
Taro-dry	770	56	-	-	-	-	-	-	-	-	1350	-	826
Taro-wet, flooded	20	-	-	-	-	-	-	-	-	-	-	-	496
Taro-wet, raised	101	-	-	35	-	-	-	-	-	75	500	-	516
Tarua	228	151	-	-	-	-	-	9	-	74	15	-	711
Tomato	310	10	-	-	-	-	-	-	-	133	-	-	477
Vanilla	18	5	-	-	4	-	-	-	-	-	-	-	453
Other root crops	113	487	-	-	-	-	-	-	-	42	-	-	27
Other tree crops	4359	4662	203	1567	298	39	-	180	104	150	123	4	642
Other vegetable crops	311	2098	-	59	50	-	-	-	-	272	264	-	11689
Other crops-Not stated	478	4014	3	-	59	-	-	-	-	15	-	-	3054
All Crops	36902	31067	7764	8778	2883	843	3794	3035	1664	1246	4219	199	102394

Table 60A: Scattered Crops Growing Outside Parcels -
Single Crop Equivalent Area (acres) by Type of Crop and Island

Type of Crop	ISLAND												COOK ISLANDS
	Raro- tonga	Aitu- taki	Mangaia	Atiu	Mauke	Mitiaro	Palmer- ston	Puka- puka	Nassau	Mani- hiki	Raka- hanga	Penrhyn	
Avocado	24.7	4.3	3.5	1.5	.1	.4	-	-	-	*	-	-	34.5
Banana-Cavendish	4.5	.1	.3	.1	*	*	*	*	-	.1	.2	*	5.3
Banana-Ladyfinger	3.9	1.8	.6	.7	.3	.1	-	*	-	.3	.1	-	7.6
Banana-Plantain	1.3	3.0	.1	.2	.1	*	-	1.1	.3	*	*	.1	6.2
Bean-Export	*	-	-	-	-	-	-	-	-	-	-	-	*
Breadfruit	30.9	16.3	4.7	11.7	2.5	1.5	.2	.8	-	1.4	1.8	.6	72.5
Cabbage-European	-	*	-	-	-	-	-	-	-	-	-	-	*
Capsicum	*	*	-	-	-	-	-	*	-	-	-	-	*
Cassava	.1	*	-	*	-	-	.4	*	-	-	*	-	.5
Chestnut	8.9	7.2	1.4	16.0	.9	.9	-	-	-	-	-	-	35.2
Chilli	.2	2.4	-	-	*	-	-	*	-	-	-	-	2.6
Citrus-Orange	4.6	.7	.1	1.0	*	-	-	-	-	-	-	-	6.3
Coconut	186.4	107.5	81.3	53.3	23.5	7.6	1.6	21.5	17.1	.3	13.1	.5	513.5
Coffee	.1	-	-	.3	-	-	-	-	-	*	*	-	.4
Kumara	*	*	-	-	-	-	-	-	-	*	*	-	*
Mango	59.3	59.9	4.8	18.7	5.0	.6	-	-	-	*	-	-	148.4
Melon-Water	-	-	-	-	-	-	-	-	-	-	-	-	-
Pawpaw-Solo	1.1	.3	-	*	*	-	*	.1	-	*	*	*	1.7
Pineapple	*	.1	-	-	-	-	-	-	-	*	.2	-	.3
Puraka	*	*	-	-	-	-	.1	-	-	-	.1	-	.1
Taro-dry	.1	*	-	-	-	-	-	-	-	-	.1	-	.1
Taro-wet, flooded	*	-	-	-	-	-	-	-	-	*	.1	-	.1
Taro-wet, raised	*	-	-	*	-	-	-	-	-	*	*	-	.1
Taru	*	*	-	-	-	-	-	*	-	*	*	-	.1
Tomato	*	*	-	-	-	-	-	-	-	*	-	-	*
Vanilla	*	*	-	-	*	-	-	-	-	-	-	-	.1
Other root crops	*	.1	-	-	-	-	-	-	-	*	-	-	.1
Other tree crops	10.8	11.5	.5	3.9	.7	.1	-	.4	.3	.4	.3	*	28.9
Other vegetable crops	*	.2	-	*	*	-	-	-	-	*	*	-	.3
Other crops-Not stated	.6	4.8	*	-	.1	-	-	-	-	*	-	-	5.5
All Crops	337.5	220.1	97.2	107.1	33.3	11.2	2.3	24.1	17.7	2.6	15.8	1.3	870.3

* Less than 0.1 acre

Table 61: Scattered Crops Growing Outside Parcels -
Number of Separate Plantings by Region, Type of Crop and Size of Planting

Region: RAROTONGA

Type of Crop	Size of Planting (number of plants)						Total
	1-4	5-9	10-24	25-49	50-99	100 & over	
Avocado	211	36	23	-	1	-	271
Banana-Cavendish	33	42	94	18	14	4	205
Banana-Ladyfinger	13	32	85	15	17	3	165
Banana-Plantain	18	15	26	8	5	-	72
Bean-Export	-	-	-	-	-	1	1
Breadfruit	335	57	11	1	1	-	405
Cabbage-European	-	-	-	-	-	-	-
Capsicum	1	-	-	-	-	-	1
Cassava	-	-	-	1	2	3	6
Chestnut	94	13	8	-	-	-	115
Chilli	18	1	2	-	-	1	22
Citrus-Orange	40	29	16	3	1	1	90
Coconut	110	188	332	104	33	18	785
Coffee	1	1	1	-	-	-	3
Kumara	-	-	1	-	-	-	1
Mango	292	149	57	2	-	-	500
Melon-Water	-	-	-	-	-	-	-
Pawpaw-Solo	32	23	22	7	3	-	87
Pineapple	-	1	1	-	-	-	2
Puraka	-	-	-	-	-	1	1
Taro-dry	-	-	-	-	-	4	5
Taro-wet, flooded	-	-	1	-	1	-	1
Taro-wet, raised	1	-	-	-	-	1	2
Tarua	-	1	3	2	-	1	7
Tomato	-	-	1	-	-	1	2
Vanilla	-	-	-	-	-	-	-
Other root crops	1	3	-	-	-	-	4
Other tree crops	5	1	2	1	1	-	10
Other vegetable crops	868	92	68	8	4	2	1042
Other crops-Not stated	40	10	7	2	-	-	59
	69	10	6	1	1	1	88
All Crops	2182	704	767	173	84	42	3952

Region: OTHER SOUTHERN ISLANDS

	Size of Planting (number of plants)						
	1-4	5-9	10-24	25-49	50-99	100 & over	Total
	114	13	9	-	-	-	136
	5	6	18	1	1	-	31
	6	23	49	20	13	4	115
	19	39	78	24	9	1	170
	262	74	37	1	-	-	374
	-	-	-	1	-	-	1
	-	1	1	1	1	-	4
	1	-	3	1	1	1	7
119	49	23	4	1	1	-	196
67	34	35	2	3	3	5	146
21	7	10	-	-	1	-	39
72	108	287	170	122	22	-	781
-	-	1	-	-	-	1	2
-	1	3	-	-	-	-	4
218	140	123	14	1	-	-	496
-	-	-	-	-	-	-	-
12	14	14	-	-	-	-	40
1	1	12	3	7	3	-	27
-	-	1	-	-	-	-	1
-	1	3	-	-	-	-	4
-	-	-	-	-	-	-	-
-	-	-	-	1	-	-	1
-	1	2	2	1	-	-	6
-	-	-	-	-	-	-	-
-	-	1	1	-	-	-	1
1	1	-	-	-	-	-	2
1	6	9	1	2	2	2	21
634	133	139	39	8	11	5	955
34	15	31	8	11	5	-	104
119	25	39	14	13	13	-	223
1706	692	928	306	195	59	3886	

Table 61: Scattered Crops Growing Outside Parcels -
Number of Separate Plantings by Region, Type of Crop and Size of Planting (continued)

Region: NORTHERN ISLANDS

Type of Crop	Size of Planting (number of plants)						Total
	1-4	5-9	10-24	25-49	50-99	100 & over	
Avocado	1	-	-	-	-	-	1
Banana-Cavendish	14	9	13	1	-	-	37
Banana-Ladyfinger	2	6	13	3	-	-	24
Banana-Plantain	17	22	45	9	2	-	95
Bean-Export	-	-	-	-	-	-	-
Breadfruit	68	5	3	-	-	-	76
Cabbage-European	-	-	-	-	-	-	-
Capsicum	-	-	1	-	-	-	1
Cassava	-	1	1	2	1	2	7
Chestnut	-	-	-	-	-	-	-
Chilli	-	-	1	-	-	-	1
Citrus-Orange	-	-	-	-	-	-	-
Coconut	8	7	37	24	24	5	105
Coffee	-	-	-	-	-	-	-
Kumara	-	-	2	3	-	-	5
Mango	1	-	-	-	-	-	1
Melon-Water	-	-	-	-	-	-	-
Pawpaw-Solo	9	10	8	-	-	-	27
Pineapple	1	-	-	-	-	-	1
Puraka	-	-	-	-	-	5	5
Taro-dry	-	-	-	-	-	-	-
Taro-wet, flooded	-	-	-	1	-	2	3
Taro-wet, raised	-	-	-	-	1	1	2
Taru	-	1	2	2	-	-	5
Tomato	-	-	1	4	-	-	5
Vanilla	-	-	-	-	-	-	-
Other root crops	-	-	1	1	-	-	2
Other tree crops	52	26	16	2	-	-	96
Other vegetable crops	22	15	16	2	1	-	56
Other crops-Not stated	-	-	1	-	-	-	1
All Crops	195	102	161	54	29	15	556

Region: COOK ISLANDS

Type of Crop	Size of Planting (number of plants)						Total
	1-4	5-9	10-24	25-49	50-99	100 & over	
Avocado	326	49	32	-	1	-	408
Banana-Cavendish	52	57	125	20	15	4	273
Banana-Ladyfinger	21	61	147	38	30	7	304
Banana-Plantain	54	76	149	41	16	1	337
Bean-Export	-	-	-	-	-	1	1
Breadfruit	665	136	51	2	1	-	855
Cabbage-European	-	-	-	1	-	-	1
Capsicum	1	1	2	-	1	-	5
Cassava	1	1	4	4	4	6	20
Chestnut	213	62	31	4	1	-	311
Chilli	85	35	38	2	3	6	169
Citrus-Orange	61	36	26	3	2	1	129
Coconut	190	303	656	298	179	45	1671
Coffee	1	1	2	-	-	1	5
Kumara	-	1	6	3	-	-	10
Mango	511	289	180	16	1	-	997
Melon-Water	-	-	-	-	-	-	-
Pawpaw-Solo	53	47	44	7	3	-	154
Pineapple	2	2	13	3	7	3	30
Puraka	-	-	1	-	-	6	7
Taro-dry	-	1	3	-	1	4	9
Taro-wet, flooded	-	-	1	1	1	2	4
Taro-wet, raised	1	-	-	1	1	2	5
Taru	-	3	7	6	1	1	18
Tomato	-	-	3	4	-	1	8
Vanilla	2	4	-	-	-	-	6
Other root crops	6	7	12	3	3	2	33
Other tree crops	1554	251	223	49	12	4	2093
Other vegetable crops	96	40	54	12	12	5	219
Other crops-Not stated	188	35	46	15	14	14	312
All Crops	4083	1498	1856	533	308	116	8394

Table 62: Scattered Crops Growing Outside Parcels -
Number of Plants by Region, Type of Crop and Size of Planting

Region: RAROTONGA

Type of Crop	Size of Planting (number of plants)						Total
	1-4	5-9	10-24	25-49	50-99	100 & over	
Avocado	450	217	296	-	50	-	1013
Banana-Cavendish	92	286	1426	600	720	610	3734
Banana-Ladyfinger	39	197	1178	521	900	400	3235
Banana-Plantain	53	94	374	260	284	-	1065
Bean-Export	-	-	-	-	-	200	200
Breadfruit	727	339	123	27	50	-	1266
Cabbage-European	-	-	-	-	-	-	-
Capsicum	2	-	-	-	-	-	2
Cassava	-	-	-	30	100	450	580
Chestnut	188	78	99	-	-	-	365
Chilli	49	6	20	-	-	100	175
Citrus-Orange	107	187	235	100	50	100	779
Coconut	313	1269	4929	3465	1921	2267	14164
Coffee	4	5	15	-	-	-	24
Kumara	-	-	20	-	-	-	20
Mango	713	931	734	55	-	-	2433
Melon-Water	-	-	-	-	-	-	-
Pawpaw-Solo	86	150	288	217	178	-	919
Pineapple	-	5	15	-	-	-	20
Puraka	-	-	-	-	-	200	200
Taro-dry	-	-	-	-	50	720	770
Taro-wet, flooded	-	-	20	-	-	-	20
Taro-wet, raised	1	-	-	-	-	-	101
Tarua	-	8	50	70	-	100	228
Tomato	-	-	10	-	-	300	310
Vanilla	2	16	-	-	-	-	18
Other root crops	8	5	20	30	50	-	113
Other tree crops	1755	554	874	236	240	700	4359
Other vegetable crops	76	61	119	55	-	-	311
Other crops-Not stated	131	64	93	40	50	100	478
All Crops	4796	4472	10938	5706	4643	6347	36902

Region: OTHER SOUTHERN ISLANDS

Type of Crop	Size of Planting (number of plants)						Total
	1-4	5-9	10-24	25-49	50-99	100 & over	
Avocado	207	75	120	-	-	-	402
Banana-Cavendish	14	35	268	42	50	-	409
Banana-Ladyfinger	17	144	755	582	766	520	2784
Banana-Plantain	54	263	1202	729	470	100	2818
Bean-Export	-	-	-	-	-	-	-
Breadfruit	594	434	434	40	-	-	1502
Cabbage-European	-	-	-	30	-	-	30
Capsicum	-	5	13	-	59	-	77
Cassava	2	-	50	43	60	100	255
Chestnut	253	286	339	127	74	-	1079
Chilli	180	208	504	78	180	820	1970
Citrus-Orange	40	45	137	-	70	-	292
Coconut	217	705	4384	5737	6959	2760	20762
Coffee	-	-	20	-	-	100	120
Kumara	-	5	42	-	-	-	47
Mango	578	892	1664	466	50	-	3650
Melon-Water	-	-	-	-	-	-	-
Pawpaw-Solo	33	86	163	-	-	-	282
Pineapple	3	8	218	107	400	300	1036
Puraka	-	-	20	-	-	-	20
Taro-dry	-	-	48	-	-	-	56
Taro-wet, flooded	-	-	-	-	-	-	-
Taro-wet, raised	-	-	-	-	-	-	-
Tarua	-	-	-	35	-	-	35
Tomato	-	6	40	55	50	-	151
Vanilla	-	-	10	-	-	-	10
Other root crops	4	5	-	-	-	-	9
Other tree crops	4	36	117	30	100	200	487
Other vegetable crops	1251	832	1875	1286	425	1100	6769
Other crops-Not stated	83	100	427	247	650	700	2207
All Crops	3808	4331	13445	10134	11165	8452	51335

Table 62: Scattered Crops Growing Outside Parcels
Number of Plants by Region, Type of Crop and Size of Planting (continued)

Region: NORTHERN ISLANDS							Region: COOK ISLANDS							
Type of Crop	Size of Planting (number of plants)						Size of Planting (number of plants)							
	1-4	5-9	10-24	25-49	50-99	100 & over	Total	1-4	5-9	10-24	25-49	50-99	100 & over	Total
Avocado	1	-	-	-	-	-	1	658	292	416	-	50	-	1416
Banana-Cavendish	37	54	160	27	-	-	278	143	375	1854	669	770	610	4421
Banana-Ladyfinger	5	37	170	87	-	-	299	61	378	2103	1190	1666	920	6318
Banana-Plantain	48	143	733	276	100	-	1300	155	500	2309	1265	854	100	5183
Bean-Export	-	-	-	-	-	-	-	-	-	-	-	-	200	200
Breadfruit	137	26	41	-	-	-	204	1458	799	598	67	50	-	2972
Cabbage-European	-	-	-	-	-	-	-	-	-	-	30	-	-	30
Capsicum	-	-	15	-	-	-	15	2	5	28	-	59	-	94
Cassava	-	5	15	60	50	-	3230	2	5	65	133	210	3650	4065
Chestnut	-	-	-	-	-	-	-	441	364	438	127	74	-	1444
Chilli	-	-	10	-	-	-	10	229	214	534	78	180	920	2155
Citrus-Orange	-	-	-	-	-	-	-	147	232	372	100	120	100	1071
Coconut	20	39	544	785	1575	1140	4103	550	2013	9857	9987	10455	6167	39029
Coffee	-	-	-	-	-	-	-	4	5	35	-	-	100	144
Kumara	-	-	35	89	-	-	124	-	5	97	89	-	-	191
Mango	1	-	-	-	-	-	1	1292	1823	2398	521	50	-	6084
Melon-Water	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pawpaw-Solo	24	60	100	-	-	-	184	143	296	551	217	178	-	1385
Pineapple	2	-	-	-	-	-	2	5	13	233	107	400	300	1058
Puraka	-	-	-	-	-	1950	1950	-	-	20	-	-	2150	2170
Taro-dry	-	-	-	-	-	-	-	-	8	48	-	50	720	826
Taro-wet, flooded	-	-	-	40	-	456	496	-	-	20	40	-	456	516
Taro-wet, raised	-	-	-	-	75	500	575	1	-	-	35	75	600	711
Taru	-	9	28	61	-	-	98	-	23	118	186	50	100	477
Tomato	-	-	15	118	-	-	133	-	-	35	118	-	300	453
Vanilla	-	-	-	-	-	-	-	6	21	-	-	-	-	27
Other root crops	-	-	12	30	-	-	42	12	41	149	90	150	200	642
Other tree crops	122	170	204	65	-	-	561	3128	1556	2953	1587	665	1800	11689
Other vegetable crops	58	103	258	67	50	-	536	217	264	804	369	700	700	3054
Other crops-Not stated	-	-	15	-	-	-	15	405	217	703	540	852	1852	4569
All Crops	455	646	2355	1705	1850	7146	14157	9059	9449	26738	17545	17658	21945	102394

Number of Separate Plantings by Type of Crop and Island

Type of Crop	ISLAND												COOK ISLANDS
	Raro-tonga	Aitu-taki	Mangaia	Aitu	Mahe	Nitiaro	Palmerston	Puka-puka	Nassau	Manihiki	Raka-hanga	Penthyrn	
Avocado	62	2	-	-	1	-	-	-	-	-	-	-	65
Banana-Cavendish	107	2	1	-	-	-	-	-	-	-	-	-	113
Banana-ladyfinger	74	5	1	-	4	-	-	-	-	3	-	-	87
Banana-Plantain	29	10	-	-	1	-	-	-	-	-	-	-	51
Bean-Export	2	-	-	-	2	-	-	-	-	-	-	-	6
Breadfruit	121	20	-	-	5	3	-	-	-	-	-	-	152
Cabbage-European	5	-	1	-	-	-	-	-	-	-	-	-	3
Capsicum	-	-	1	-	-	-	-	-	-	-	-	-	6
Cassava	37	2	-	-	1	-	-	-	-	-	-	-	1
Chestnut	7	4	-	-	-	2	-	-	-	-	-	-	41
Chilli	4	1	-	-	-	-	-	-	-	-	-	-	13
Citrus-Orange	29	1	-	-	-	-	-	-	-	-	-	-	5
Coconut	364	26	-	-	9	3	-	-	-	4	-	-	30
Coffee	1	-	-	-	-	-	-	4	-	-	-	-	1
Kumara	19	2	-	-	1	-	-	-	-	2	-	-	24
Mango	148	14	-	-	4	-	-	-	-	-	-	-	166
Melon-Water	-	-	-	-	-	-	-	-	-	-	-	-	-
Pawpaw-Solo	32	1	-	-	-	-	-	-	-	-	-	-	33
Pineapple	-	-	-	-	-	-	-	-	-	-	-	-	-
Puraka	-	-	-	-	-	-	-	4	-	3	-	-	7
Taro-dry	11	3	-	-	-	-	-	-	-	-	-	-	14
Taro-wet, flooded	4	-	1	-	-	-	-	4	-	-	-	-	9
Taro-wet, raised	26	-	1	-	1	-	-	3	-	-	-	-	31
Tarua	8	4	-	-	-	-	-	-	-	-	-	-	12
Tomato	14	-	2	-	1	-	-	-	-	-	1	-	18
Vanilla	1	-	-	-	-	-	-	-	-	-	-	-	1
Other root crops	4	1	2	-	-	-	-	-	-	-	-	-	8
Other tree crops	266	26	-	-	4	-	-	1	-	-	1	3	301
Other vegetable crops	47	5	13	-	-	-	-	-	-	-	5	1	71
Other crops-Not stated	25	4	-	-	2	-	-	-	-	-	-	-	31
All Crops	1447	133	23	-	34	8	-	21	-	12	8	18	1704

Table 65: Crops Currently Grown by Minor Agricultural Households -
Single Crop Equivalent Area (acres) by Type of Crop and Island

Type of Crop	ISLAND											COOK ISLANDS
	Raro- tonga	Aitu- taki	Mangaia	Atiu	Mauke	Mitiaro	Palmer- ston	Puka- puka	Nassau	Kani- hiki	Raka- hanga	
Avocado	3.0	.2	-	-	*	-	-	-	-	-	-	3.3
Banana-Cavendish	1.4	*	*	-	-	-	-	-	-	-	*	1.5
Banana-Ladyfinger	1.0	.1	*	-	.1	-	-	-	-	*	-	1.2
Banana-Plantain	.3	.2	-	-	*	-	-	.1	-	-	-	.6
Bean-Export	*	-	-	-	-	-	-	-	-	-	-	*
Breadfruit	5.6	.8	-	-	.2	.3	-	-	-	-	-	.1
Cabbage-European	*	-	*	-	-	-	-	-	-	-	-	7.0
Capsicum	-	-	-	-	-	-	-	-	-	-	-	*
Cassava	.7	*	-	-	*	-	-	-	-	-	-	*
Chestnut	.2	.1	-	-	-	.1	-	-	-	-	-	.7
Chilli	*	*	-	-	-	-	-	-	-	-	-	.5
Citrus-Orange	.8	*	-	-	-	-	-	-	-	-	-	*
Coconut	35.1	2.0	-	-	1.7	.7	-	.3	-	.7	-	.1
Coffee	*	-	-	-	-	-	-	-	-	-	-	40.5
Kumara	.3	*	-	-	*	-	-	-	-	*	-	*
Mango	9.3	.6	-	-	.4	-	-	-	-	-	-	.3
Melon-Water	-	-	-	-	-	-	-	-	-	-	-	10.3
Pawpaw-Solo	.2	*	-	-	-	-	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-	-	-	-	-	-	.2
Puraka	-	-	-	-	-	-	-	*	-	*	-	-
Taro-dry	.1	*	-	-	-	-	-	-	-	-	-	.1
Taro-wet, flooded	.1	-	*	-	-	-	-	.1	-	-	-	.1
Taro-wet, raised	1.0	-	*	-	*	-	-	.1	-	-	-	.2
Taro	*	*	-	-	-	-	-	-	-	-	-	1.2
Tomato	.1	-	*	-	*	-	-	-	-	-	*	.1
Vanilla	1.0	-	-	-	-	-	-	-	-	-	-	.1
Other root crops	*	*	*	-	-	-	-	-	-	-	-	1.0
Other tree crops	2.0	.3	-	-	.1	-	-	*	-	-	*	*
Other vegetable crops	.1	*	.1	-	-	-	-	-	-	-	*	2.5
Other crops-Not stated	.5	*	-	-	*	-	-	-	-	-	-	.2
All crops	63.0	4.6	.2	-	2.6	1.1	-	.6	-	.7	-	.3
												73.1

* Less than 0.1 acre

**Table 66: Crops Planted by Minor Agricultural Households in the
12 Months Preceding the Census and Already Harvested -
Number of Separate Plantings, Number of Plants
Harvested and Area Harvested by Type of Crop**

Type of Crop	Number of Separate Plantings	Number of Plants Harvested	Area Harvested (sq. yards)
Avocado	-	-	-
Banana-Cavendish	-	-	-
Banana-Ladyfinger	-	-	-
Banana-Plantain	-	-	-
Bean-Export	1	6	3
Breadfruit	-	-	-
Cabbage-European	2	92	23
Capsicum	-	-	-
Cassava	7	816	423
Chestnut	-	-	-
Chilli	-	-	-
Citrus-Orange	-	-	-
Coconut	-	-	-
Coffee	-	-	-
Kumara	9	315	157
Mango	-	-	-
Melon-Water	-	-	-
Pawpaw-Solo	-	-	-
Pineapple	-	-	-
Puraka	3	95	47
Taro-dry	1	10	5
Taro-wet, flooded	2	60	32
Taro-wet, raised	11	2848	1424
Tarua	-	-	-
Tomato	3	80	23
Vanilla	-	-	-
Other root crops	1	15	3
Other tree crops	-	-	-
Other vegetable crops	7	90	26
Other crops-Not stated	-	-	-
All Crops	47	4427	2166

Table 67: Crops Planted in Parcels in the 12 Months Preceding the Census and Already Harvested -
Number of Plantings Reporting in Acres, Square Yards and Numbers of Plants; Area Reported in Acres and Square Yards and Numbers of Plants Reported by Type of Crop

Type of Crop	Number Reported in Acres	Number Reported in Square Yards	Number Reported in Plants	Area Reported (acres)	Area Reported (sq. yards)	Number of Plants Reported
Avocado	-	-	-	-	-	-
Banana-Cavendish	-	-	-	-	-	-
Banana-Ladyfinger	-	-	-	-	-	-
Banana-Plantain	-	-	-	-	-	-
Bean-Export	40	6	46	23.1	649	362344
Breadfruit	-	-	-	-	-	-
Cabbage-European	54	2	56	15.7	105	107366
Capsicum	14	1	15	4.2	5	23464
Cassava	825	25	850	284.8	4730	1186184
Chestnut	-	-	-	-	-	-
Chilli	4	-	4	1.1	-	1500
Citrus-Orange	-	-	-	-	-	-
Coconut	-	-	-	-	-	-
Coffee	-	-	-	-	-	-
Kumara	704	27	731	157.0	2832	465939
Mango	-	-	-	-	-	-
Melon-Water	59	-	59	34.0	-	56070
Pawpaw-Solo	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-
Puraka	16	-	16	3.4	-	4630
Taro-dry	105	10	115	29.2	878	91715
Taro-wet, flooded	223	2	225	77.2	1800	369540
Taro-wet, raised	496	29	525	124.3	4288	553534
Tarua	408	18	426	99.4	2689	288521
Tomato	108	13	121	36.5	1961	246980
Vanilla	-	-	-	-	-	-
Other root crops	71	9	80	23.6	1009	122745
Other tree crops	-	-	-	-	-	-
Other vegetable crops	72	27	99	14.6	1585	103224
Other crops-Not stated	2	2	4	.6	260	4600
All Crops	3201	171	3372	929.0	22791	3988356

Table 68: Crops Planted in Parcels in the 12 Months Preceding
the Census and Already Harvested - Total Area (acres)
Harvested by Type of Crop and Proportion Sold

Type of Crop	Proportion Sold					Total
	None	1/4	1/2	3/4	All	
Avocado	-	-	-	-	-	-
Banana-Cavendish	-	-	-	-	-	-
Banana-Ladyfinger	-	-	-	-	-	-
Banana-Plantain	-	-	-	-	-	-
Bean-Export	.9	1.0	1.9	4.1	15.4	23.3
Breadfruit	-	-	-	-	-	-
Cabbage-European	1.3	.3	1.5	4.8	7.9	15.7
Capsicum	.3	-	.3	1.0	2.6	4.2
Cassava	235.8	9.1	25.4	12.3	3.3	285.8
Chestnut	-	-	-	-	-	-
Chilli	-	-	-	-	1.1	1.1
Citrus-Orange	-	-	-	-	-	-
Coconut	-	-	-	-	-	-
Coffee	-	-	-	-	-	-
Kumara	134.9	4.9	7.7	3.7	6.4	157.6
Mango	-	-	-	-	-	-
Melon-Water	4.5	1.0	1.4	10.5	16.6	34.0
Pawpaw-Solo	-	-	-	-	-	-
Pineapple	-	-	-	-	-	-
Puraka	3.4	-	-	-	-	3.4
Taro-dry	27.4	.9	.6	-	.5	29.4
Taro-wet, flooded	61.5	5.3	8.5	1.7	.6	77.5
Taro-wet, raised	98.8	8.6	11.0	5.4	1.4	125.2
Tarua	86.4	2.2	6.4	3.8	1.1	100.0
Tomato	4.9	2.1	3.1	10.5	16.3	36.9
Vanilla	-	-	-	-	-	-
Other root crops	14.7	.5	3.9	4.1	.6	23.8
Other tree crops	-	-	-	-	-	-
Other vegetable crops	5.7	.3	2.0	2.0	5.0	14.9
Other crops-Not stated	.2	-	-	-	.5	.7
All Crops	680.6	36.1	73.7	63.8	79.5	933.7

Table 69: Land Waiting to be Planted and Fallow Land in Parcels -
Number of Plots and Area (acres) of Plots by Island

Island	NUMBER OF PLOTS			AREA (acres)		
	Waiting to be Planted	Fallow	Total	Waiting to be Planted	Fallow	Total
Rarotonga	40	220	260	27.1	140.2	167.3
Aitutaki	1	388	389	.1	142.6	142.7
Mangaia	21	228	249	7.2	115.7	122.9
Atiu	20	160	180	10.4	104.1	114.5
Mauke	37	42	79	24.1	38.3	62.4
Mitiaro	-	9	9	-	3.9	3.9
Palmerston	-	1	1	-	1.0	1.0
Pukapuka	-	73	73	-	12.0	12.0
Nassau	-	-	-	-	-	-
Manihiki	-	-	-	-	-	-
Rakahanga	-	1	1	-	.7	.7
Penrhyn	-	6	6	-	5.0	5.0
COOK ISLANDS	119	1128	1247	68.9	563.4	632.2

Table 70: Summary of Single Crop Equivalent Areas (acres) by Type of Crop and Method of Planting

Type of Crop	Crops Growing at the Time of the Census					Crops Planted and Harvested in the 12 Months Preceding the Census			TOTAL
	CIP-OTS	SC-IP	SC-OP	MH-CCG	Total	MH-CH	CIP-P&H	Total	
Avocado	2.9	19.8	34.5	3.3	60.5	-	-	-	60.5
Banana-Cavendish	300.3	5.3	5.3	1.5	312.5	-	-	-	312.5
Banana-Ladyfinger	56.9	3.7	7.6	1.2	69.4	-	-	-	69.4
Banana-Plantain	49.1	3.5	6.2	.6	59.5	-	-	-	59.5
Bean-Export	22.1	*	*	*	22.1	*	23.3	23.3	45.4
Breadfruit	.9	25.0	72.5	7.0	105.4	-	-	-	105.4
Cabbage-European	15.1	*	*	*	15.2	*	15.7	15.7	30.9
Capsicum	6.7	*	*	*	6.7	-	4.2	4.2	10.9
Cassava	753.3	.3	.5	.7	754.8	.1	285.8	285.9	1040.7
Chestnut	12.1	28.5	35.2	.5	76.3	-	-	-	76.3
Chilli	3.3	2.2	2.6	*	8.1	-	1.1	1.1	9.2
Citrus-Orange	391.1	7.9	6.3	.9	406.2	-	-	-	406.2
Coconut	1023.3	306.2	513.5	40.5	1883.6	-	-	-	1883.6
Coffee	29.2	.3	.4	*	29.9	*	-	-	29.9
Kumara	236.6	.1	*	.3	237.0	-	157.6	157.7	394.7
Mango	12.7	78.1	148.4	10.3	249.5	-	-	-	249.5
Melon-Water	44.7	.1	-	-	44.8	-	34.0	34.0	78.8
Pawpaw-Solo	174.4	1.1	1.7	.2	177.3	-	-	-	177.3
Pineapple	137.0	*	.1	-	137.1	-	-	-	137.1
Puraka	68.5	.4	.3	.1	69.2	*	3.4	3.4	72.6
Taro-dry	77.7	.1	.1	.1	78.0	*	29.4	29.4	107.4
Taro-wet, flooded	168.3	-	.1	.2	168.5	*	77.5	77.5	246.0
Taro-wet, raised	329.2	*	.1	1.2	330.5	.3	125.2	125.5	455.5
Tarua	278.7	.1	.1	.1	279.0	-	100.0	100.0	379.0
Tomato	43.0	.1	*	.1	43.2	*	36.9	36.9	80.1
Vanilla	9.8	.1	.1	1.0	10.9	-	-	-	10.9
Other root crops	45.7	.2	.1	*	45.9	*	23.8	23.8	69.7
Other tree crops	43.5	14.0	28.9	2.5	88.8	-	-	-	88.8
Other vegetable crops	49.2	.4	.3	.2	50.1	*	14.9	14.9	65.0
Other crops-Not stated	3.2	1.3	5.5	.5	10.4	-	.7	.7	11.1
All Crops	4388.5	498.9	870.3	73.1	5830.7	.4	933.7	934.1	6764.8

* Less than 0.1 acre

CIP-OTS Crops in Parcels Other Than Scattered Crops
SC-OP Scattered Crops Outside Parcels
MH-CH Minor Households - Crops Already Harvested

SC-IP Scattered Crops in Parcels
MH-CCG Minor Households - Crops Currently Growing
CIP-P&H Crops in Parcels - Planted and Harvested

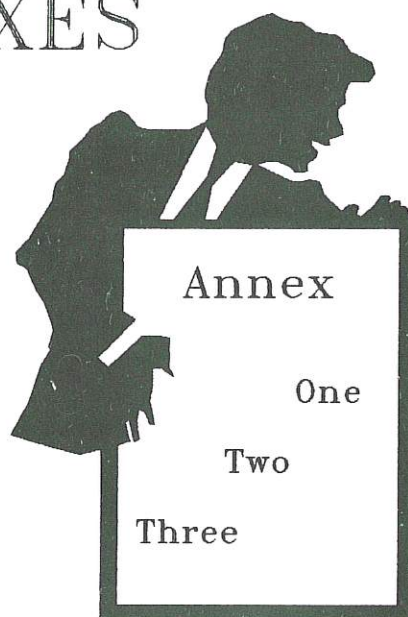
Table 71: Summary of Number of Plants by Type of Crop and Method of Planting

Type of Crop	Crops Growing at the Time of the Census					Crops Planted and Harvested in the 12 Months Preceding the Census			TOTAL
	CIP-OTS	SC-IP	SC-OP	MH-CCG	Total	MH-CH	CIP-PEH	Total	
Avocado	169	810	1416	135	2530	-	-	-	2530
Banana-Cavendish	160200	4424	4421	1270	170315	-	-	-	170315
Banana-Ladyfinger	17007	3102	6318	1015	27442	-	-	-	27442
Banana-Plantain	14770	2945	5183	531	23429	-	-	-	23429
Bean-Export	319650	10	200	35	319895	6	362344	362350	682245
Breadfruit	131	1027	287	287	4417	-	-	-	4417
Cabbage-European	74187	280	2972	228	74725	92	107366	107458	182183
Capiscum	23470	311	94	20	23895	-	23464	23464	47359
Cassava	2631721	2106	4065	5934	2643826	816	1186184	1187000	3830826
Chestnut	194	1168	1444	21	2827	-	-	-	2827
Chilli	3600	1816	2155	20	7591	-	1500	1500	9091
Citrus-Orange	59665	1338	1071	149	62223	-	-	-	62223
Coconut	188169	23274	39029	3081	253553	-	-	-	253553
Coffee	24755	131	144	5	25035	-	-	-	25035
Kumara	62372	1185	191	2407	625155	315	465939	466254	1091409
Mango	632	3202	6084	424	10342	-	-	-	10342
Melon-Water	69828	95	-	-	69923	-	56070	56070	125993
Pawpaw-Solo	116055	925	1385	136	118501	-	-	-	118501
Pineapple	1586904	113	1058	-	1588075	-	-	-	1588075
Puraka	103606	3363	2170	445	109584	95	4630	4725	114309
Taro-dry	250253	590	826	1207	252876	10	91715	91725	344601
Taro-wet, flooded	943693	-	516	1358	945567	60	369540	369600	1315167
Taro-wet, raised	1533452	39	711	9422	1543624	2848	553534	556382	2100006
Taru	570405	1192	477	465	572539	-	288521	288521	861060
Tomato	209193	960	453	932	211538	80	246980	247060	458598
Vanilla	7057	26	27	400	7510	-	-	-	7510
Other root crops	182200	1223	642	243	184308	15	122745	122760	307068
Other tree crops	16951	5662	11689	1002	35304	-	-	-	35304
Other vegetable crops	270248	4456	3054	1983	279741	90	103224	103314	383055
Other crops-Not stated	6440	1043	4569	422	12474	-	4600	4600	17074
All Crops	10005977	66816	102394	33577	10208764	4427	3988356	3992783	14201547

CIP-OTS Crops in Parcels Other Than Scattered Crops
 SC-OP Scattered Crops Outside Parcels
 MH-CH Minor Households - Crops Already Harvested

SC-IP Scattered Crops in Parcels
 MH-CCG Minor Households - Crops Currently Growing
 CIP-PEH Crops in Parcels - Planted and Harvested

ANNEXES



Q2. 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 or semi-abandoned crops:

Holding Number	Name(s) of Operator(s) *	Number of Separate Parcels		Total Area (acres)
		In Use	Fallow	

* Heads of households in the case of individual household operations or names of individual members if partnership or group operation - CIRCLE the respondent to be used for each holding IF more than one operator.

NOW SKIP Q3 ----->>>----->>>----->>> GO TO Q4

Q3. List the CROPS currently growing and/or planted AND harvested during the last 12 months by type. Estimate the area of each crop in sq yds OR the number of trees/plants:

Current Crop	Code	Area OR Number Sq yds		Harvested Crop	Code	Area OR Number Sq yds	

Q4. LAND NOT IN USE - Give details of all parcels of land, that are currently NOT IN USE but are potentially suitable for agricultural purposes, that the household has tenure of:

Location (district)	Code	Area (acres)	Years Unused	Land Tenure	Number of Households with Tenure

Q5. LAND NOT IN USE BELONGING TO PERSONS LIVING OVERSEAS - Give details of all parcels of land NOT IN USE but potentially suitable for agricultural purposes, that the household has no tenure of but is looking after for persons currently living overseas:

Location (district)	Code	Area (acres)	Number of Households Looking After this Land	Years Unused

Q6. Does the household have any LIVESTOCK? YES ☐ 1 NO ☐ 2

If YES:

	Number
Pigs	
Sows	

	Number
Goats	
Does	

Cattle	
Cows	

Horses	
Mares	

Chickens	
----------	--

Q7. Average CONSUMPTION of COCONUTS:

	Daily OR Weekly	
Number of Nuts Used for Human Consumption		
Number of Nuts Used for Feeding Animals		

For Household Categories 1 & 2 (see Q1), the questionnaire is now **FINISHED**

Q8. Household Composition:

Age Group	Male	Female	Total
Under 10			
10 and over			
Total			

Q9. Persons, aged 10 years and over, working on the holding(s) in an UNPAID capacity in the LAST MONTH:

NO.	Sex (M/F)	Status (0/1)	Age	Average Hours Per Week	Paid Job (check boxes)		Code
					Full-time	Part-time	

Q10. Proportion of household's TOTAL INCOME (cash or kind) usually derived from agricultural activities (circle ONE):

NONE 1/4 1/2 3/4 ALL Code

Q11. LOANS directly related to the household's agricultural activities:

Development Bank 1 OTHER 3 Not Stated 9
EDF 2 NO Loan 8

Q12. EQUIPMENT IN OPERATIONAL CONDITION used primarily for agricultural production during the last 12 months:

Type of Equipment	Number Owned	Hired Y/N	Borrowed Y/N
Digging spade			
Digging fork			
Shovel			
Bush knife			
Axe			
Tractor			
Vehicle			
Rotovator			
Slasher			
Weed eater			
Chainsaw			
Water pump			
Sprayer: Manual			
Motor			
Copra Drier: Sundry			
Ceylon type			
One man kiln			
Other:			

HOLDING FORM

Census District:

--	--

Holding Number: of

Enumeration Area: ☐

PARCELS: IN USE ☐ FALLOW ☐

Household Number:

--	--

TOTAL AREA OF HOLDING.....Acres

H1. Name of Operator(s)

H2. Location of Holding: Census District Enumeration Area

H3. Number of Households operating this holding:

H4. Complete ONE line for EACH PARCEL:

[illegible]

LAND IN USE Acres. LAND FALLOW Acres TOTAL Acres

H5. SCATTERED PLANTS/TREES on the holding - NOT in parcels:

[illegible]

H6. Give details of PAID LABOUR employed on the holding in the LAST MONTH:

[illegible]

Census District:

--	--

Enumeration Area:

--

Household Number:

--	--

Parcel Number: of

Area of Parcel Acres

P2. PLOT DETAILS (draw a line across after each plot):

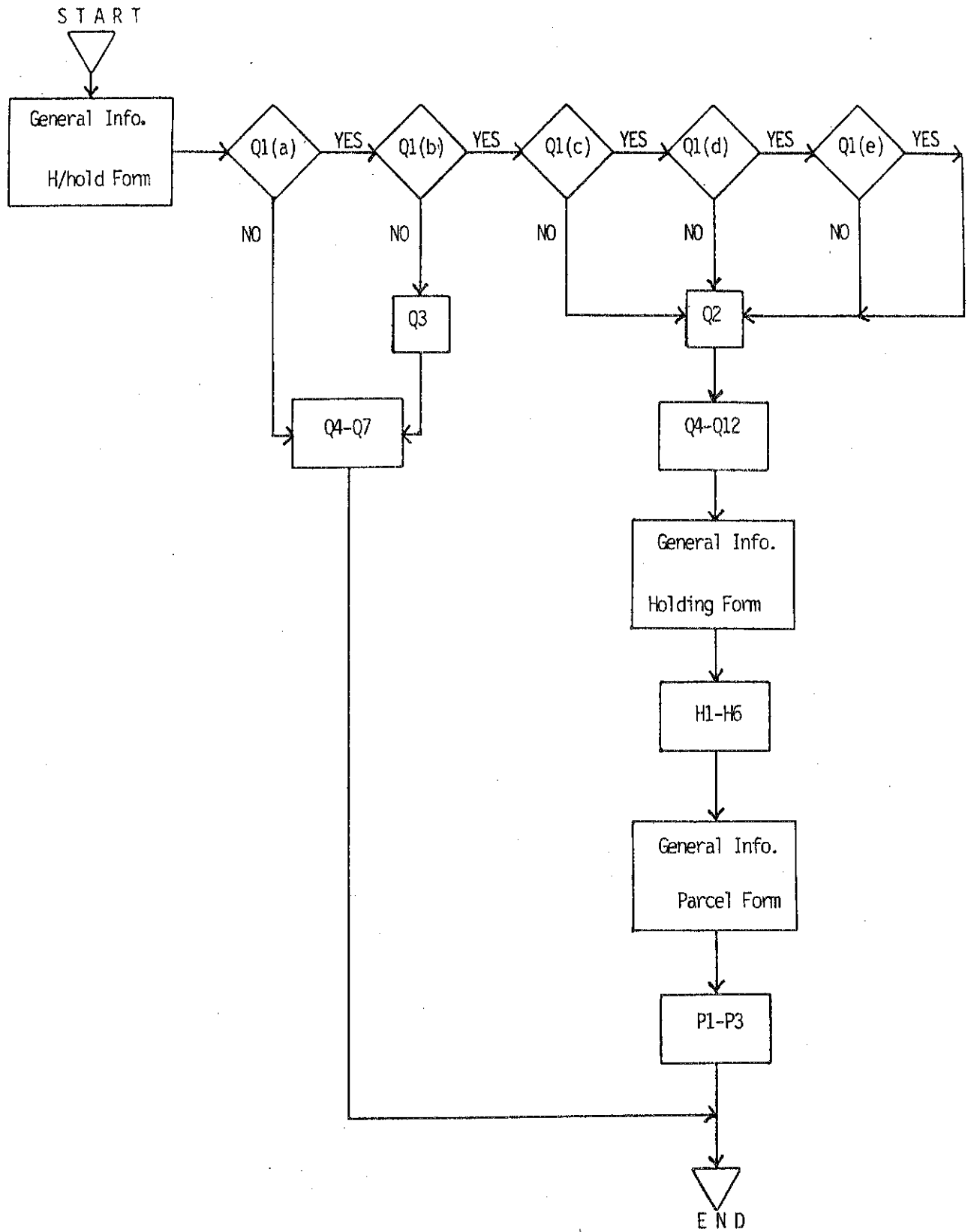
S = Scattered

* Tree crops ONLY

P3. Other crops Planted AND Harvested on this parcel in the last 12 months:

[illegible]

FLOW CHART - FILLING IN OF QUESTIONNAIRE



ANNEX 2

Density of Selected Crops Used in the Estimation of Single Crop Equivalent Areas - Number of Plants/Trees Per Acre

<u>Crop Type</u>	<u>Number of Plants/Trees Per Acre</u>
Avocado	41
Banana - Cavendish	833
Banana - Ladyfinger	833
Banana - Plantain	833
Bean - Export	27,000
Breadfruit	41
Cabbage - European	10,125
Capsicum	10,125
Cassava	8,100
Chestnut	41
Chilli	833
Citrus - Orange	170
Coconut	76
Coffee	405
Kumara	8,100
Mango	41
Melon - Water	1,095
Pawpaw - Solo	833
Pineapple	10,800
Puraka	8,100
Taro - Dry	8,100
Taro - Wet, flooded	8,100
Taro - Wet, raised	8,100
Tarua	8,100
Tomato	10,125
Vanilla	405

Source: Ministry of Agriculture

ANNEX 3

Census Supervisors followed by their Enumerators

RAROTONGA:

Pue - Matavera

1. *Tinirau Tamarua*
2. *Elizabeth Tupa*
3. *Tanga Tutai*
4. *Dean Methusela*

Tupapa - Maraerenga

5. *Tepua Tetava*
6. *Tapita Teokotai*
7. *Tarita Savage*
8. *Rua Raitia*

Takuvaine-Parekura Tutakimoa-Teotue

9. *Tapuni Parutua*
10. *George Paniani*
11. *Nga Akama*
12. *Raina Peniata*
13. *Pokipoki Solomona*
14. *Matere Solomona*
15. *Tuku Tereva*
16. *Vainiu Savage*
17. *Tearoa Iorangi*

Avatiu-Ruatonga

18. *Ngatoko Ngatoko*
19. *Mereani Tangata*
20. *Mii Tarapu*
21. *Tekura Turitoa*
22. *Pokoina Matara*
23. *Vaine Tua*
24. *Teariki Rauru*

Nikao-Panama

25. *Taukea Raui*
26. *Putangi Mose*
27. *Uta Mgaoire*
28. *Moeroa Tuaine*
29. *Anthony Turua*

Arorangi-Ruaau

30. *Tiara Mataora*
31. *Nga Jessie*
32. *Tearoa Mouauri*
33. *Moetu Tangi*

34. *Nooroa Rangi*
35. *Andrew Teaurima*

Arorangi-Murienua

36. *Richard Nooroa*
37. *Pare Rongokea*
38. *Tutu Tarai*
39. *Munokoa Pepe*
40. *Penese Poila*
41. *Poo Tai*
42. *Paepaerei Pauka*
43. *Shirley Mataroa*

Titikaveka

44. *William Wigmore*
45. *Poona Samuel*
46. *Moe Tutira*
47. *James Hosking*
48. *Ngametua Kino*
49. *Ina Temata*
50. *Peter Numanga*
51. *Makiroa Ben*
52. *Walter Marearai*

Ngatangia

53. *Brian Tairea*
54. *Ake Makimou*
55. *Joe Kaveao*
56. *Lillian Mato*
57. *Tara Tairea*
58. *Tereinga Maoate*

Matavera

59. *Nooroa Tokari*
60. *Nganga Enuu*
61. *Tungane Williams*
62. *Ngatokorua Teariki*
63. *Madeline Tokari*
64. *Teokotai Taramai*

AITUTAKI

65. *Sabati Solomona*
66. *Nooroa Ioane*
67. *Pitonga Tomnsend*
68. *George George*
69. *Tukumate Riki*
70. *Teina Tetevano*
71. *William Rota*

- 72. Taamo Taamo
- 73. David Terepai
- 74. Ina Maramatoa
- 75. Miianau Mose

MAUKE

- 76. Noomaunga Aiturai
- 77. Tuaine Tipuia
- 78. Teariki Enuu
- 79. Kamire Ngametua
- 80. Kamoe Aiturai

ATIU

- 81. Kapao Kapao
- 82. Tupu Matakai
- 83. Maara Tairi
- 84. Teura Maka Kea
- 85. Teata Bob

MANGAIA

- 86. Atingakau Tangatakino
- 87. Teretaiti Teretaiti
- 88. Ngai Atarangi
- 89. Daniel Daniel
- 90. Tautu Mokoha
- 91. Mii Arima
- 92. Ngarangi Tuakana
- 93. Atetu Atetu

MITIARO

- 94. Matori Tuakana

PALMERSTON

- 95. George Marsters

PUKAPUKA

- 96. Paulo Paulo
- 97. Makirere Poila

MANIHIKI

- 98. Tuakana Ripata
- 99. Teati Mokoroa

RAKAHANGA

- 100. Toko Makira
- 101. Faiteru Makira

- 102. Totoo Setephano

PENRHYN

- 103. Andrew Vaeau
- 104. Tepaitau Rassmussen
- 105. Vananga Andrew

NASSAU

- 106. Topetai Neiao

DATA ENTRY CLERKS

- 1. Grace Tangaroa
- 2. Ina Maramatoa
- 3. Lucy Rakei
- 4. Ruta Tuka
- 5. Vaoesea Tonu'u *
- 6. Faalogoifo Potifala *

* These two Data Entry Clerks are Samoans who attended the three week Data Entry & Processing training conducted in Rarotonga during Sept. & Oct. 1988.

