

Table 76: Number of agricultural Household by Crop, Crop status and crop Use

Crops	Total	Crop Status Code		
		Not Grown in 2009	Currently Growing	Not Grow Now But Grown During 2009
Cassava	332	62	262	8
Kape	186	105	81	0
Kava	120	111	9	0
Kumara	279	79	189	11
Taro	353	27	324	2
Taro Pulaka	204	107	92	5
Yam	312	58	251	3
Bean	140	105	30	5
Chinese Cabbage	174	102	56	16
Corn	263	81	163	19
Cucumber	249	87	140	22
Egg Plant	138	113	22	3
Head Cabbage	151	110	36	5
Lettuce	138	109	21	8
Pele	310	31	270	9
Pineapple	152	97	52	3
Pumpkin	173	96	71	6
Spring Onions	332	43	285	4
Tomato	286	80	191	15
Watermelon	249	130	106	13
Avocado	224	52	166	6
Banana Ripe	286	60	218	8
Banana. Green	382	12	359	11
Bread Fruit	332	41	287	4
Soursop	107	52	54	1
Grapefruit	134	105	28	1
Fekakai	181	85	95	1
Lemon	144	94	49	1
Lime	234	50	182	2
Mango	274	42	231	1
Nonu	220	46	170	4
Orange	135	89	45	1
Papaya	357	16	335	6
Passionfruit	185	70	113	2
Vanilla	196	73	123	0
Vi	303	36	265	2
Coconut	396	5	386	5
Chestnut(ifi)	80	9	71	0
Sugar Cane	36	10	26	0
Chilies	39	7	31	1
		116		

Tava	42	4	38	0
Ai/Foto	18	4	14	0
Sefito	12	5	7	0
Luku	13	5	8	0
Coffee	15	7	8	0
Saladia	8	4	3	1
Sinapi	41	6	34	1
Silverbeet	8	4	4	0
Polofua	11	6	5	0
Others NEC	78	7	70	1

Table 76: Number of agricultural Household by Crop, Crop status and crop Use (cont'd)

Crops	Crop Use code		
	Mainly grown for Home Consumption	Mainly grown for sale	Partly grown for home consumption and partly for sale
Cassava	321	3	8
Kape	181	2	3
Kava	119	0	1
Kumara	265	4	10
Taro	293	3	57
Taro Pulaka	195	1	8
Yam	289	1	22
Bean	137	2	1
Chinese Cabbage	166	2	6
Corn	249	2	12
Cucumber	228	4	17
Egg Plant	132	1	5
Head Cabbage	142	3	6
Lettuce	131	2	5
Pele	304	1	5
Pineapple	148	0	4
Pumpkin	164	2	7
Spring Onions	304	2	26
Tomato	257	5	24
Watermelon	228	3	18
Avocado	217	4	3
Banana Ripe	280	0	6
Banana. Green	360	3	19
Bread Fruit	329	1	2
Soursop	106	0	1
Grapefruit	133	0	1
Fekakai	178	1	2

Lemon	142	0	2
Lime	229	1	4
Mango	269	1	4
Nonu	207	9	4
Orange	135	0	0
Papaya	343	5	9
Passionfruit	179	1	5
Vanilla	157	31	8
Vi	297	2	4
Coconut	375	1	20
Chestnut(ifi)	79	0	1
Sugar Cane	35	0	1
Chilies	36	2	1
Tava	41	0	1
Ai/Foto	18	0	0
Sefito	12	0	0
Luku	13	0	0
Coffee	15	0	0
Saladia	7	0	1
Sinapi	39	0	2
Silverbeet	7	0	1
Polofua	11	0	0
Others NEC	73	1	4

Table 77: Number of Plots Waiting to be Planted and Fallow Land in Parcels In Use by Area and Location of Household

Location of Parcel - Village	Number of Plots			Area (acres)		
	Total	Fallow	New plot	Total	Fallow	New plot
Total	410	202	117	354	183	118
Alofi South	61	25	10	46	20	11
Alofi North	20	15	3	13	11	2
Makefu	15	4	9	13	5	8
Tuapa	52	23	7	32	22	7
Namukulu	3	0	0	3	0	0
Hikutavake	7	2	1	6	2	0
Toi	8	6	1	4	3	1
Mutalau	40	22	7	25	13	6
Lakepa	17	8	8	14	4	7
Liku	37	32	2	54	42	5
Hakupu	74	41	23	83	47	32
Vaiea	6	2	3	3	1	2
Avatele	35	15	17	28	12	17
Tamakautoga	35	7	26	31	5	23

Table 78 Number of Plots and Estimated Single Crop Equivalent by Method of Cultivation by Location of Household

Crop name	Plots		Estimated Single Crop Equivalent Area (acres)			
	Single	Mixed	Single	Mixed	Scattered	Total
Grand Total	1,020	200	917	96	312	1,326
TARO	740	73	652	55	6	713
COCONUT	89	6	157	6	162	324
VANILLA	55	6	43	3	5	51
YAM	27	41	16	14	2	31
GREEN BANANA	7	2	4	1	26	30
BREADFRUIT	-	-	-	-	24	24
NONU	1	1	1	1	15	18
OTHERS NEC	17	2	16	0	0	16
WATERMELON	10	3	11	1	1	13
KUMARA	3	24	5	7	1	12
MANGO	1		0	-	12	12
CASSAVA	7	29	2	7	2	11
VI	-	-	-	-	11	11
CHESTNUT	1	-	1	-	6	7
AVOCADO	-	-	-	-	7	7
RIPE BANANA	-	-	-	-	6	6
PAPAYA	4	-	0	-	4	5
PASSIONFRUIT	2	-	0	-	3	4
CHINESE CABBAGE	9	2	3	0	0	4
FEKAKAI	1	-	0	-	3	3
LIME	1	-	1	-	2	2
SOURSOU	-	-	-	-	2	2
COFFEE	-	-	-	-	2	2
ORANGE	4	-	1	-	1	2
CORN	3	2	1	0	1	2
SPRING ONIONS	4	2	0	1	0	1
TARO PULAKA	2	2	1	1	0	1
BEAN	5	-	1	-	0	1
TAVA	-	-	-	-	1	1
SALADIA	3	-	1	-	0	1
KAVA	1	-	1	-	0	1
LEMON	-	-	-	-	1	1
KAPE	-	-	-	-	1	1
AI/FOTO	-	-	-	-	1	1
TOMATO	4	1	0	0	0	1
LETTUCE	5	1	0	0	0	0
PINEAPPLE	2	-	0	-	0	0
SINAPI	-	-	-	-	0	0
SUGAR CANE	-	-	-	-	0	0
CUCUMBER	6	1	0	0	0	0
SILVERBEET	1	-	0	-	0	0
PELE	-	-	-	-	0	0
GRAPEFRUIT	-	-	-	-	0	0
CHILLIES	-	-	-	-	0	0
HEAD CABBAGE	4	1	0	0	0	0
EGG PLANT	1	1	0	0	0	0
POLOFUA	-	-	-	-	0	0
LUKU	-	-	-	-	0	0
PUMPKIN	-	-	-	-	0	0
SEFITO	-	-	-	-	0	0
GUAVA	-	-	-	-	0	0

Note: o indicates the area is less than half the area employed

Table 79: Number of Plants Planted and Harvested from January 2009 to Day of Enumeration and Number sold

NAME OF CROP	Number Planted and Harvested	Number Sold	Not Sold	Not Stated
TARO	226,987	54,164	170,774	2,049
SPRING ONIONS	4,499	954	3,490	55
CORN	3,862	452	3,355	55
CASSAVA	3,410	77	3,287	46
YAM	3,042	1,060	1,936	46
KUMARA	2,321	923	1,358	40
TOMATO	2,191	1,008	1,173	10
GREEN BANANA	2,054	343	1,604	107
CHINESE CABBAGE	1,663	337	1,326	-
LETTUCE	980	847	123	10
PELE	934	13	872	49
SINAPI	833	63	770	-
WATERMELON	803	571	232	-
OTHERS NEC	787	216	571	-
CUCUMBER	672	251	421	-
HEAD CABBAGE	509	296	208	5
BANANA RIPE	424	15	389	20
BEAN	298	128	170	-
TARO PULAKA	212	16	196	-
SALADIA	153	113	40	-
SILVERBEET	140	25	115	-
CHILLIES	133	72	61	-
PINEAPPLE	96	63	25	8
PUMPKIN	95	9	82	4
POLOFUA	90	50	40	-
EGG PLANT	77	55	22	-
KAPE	74	3	71	-
SUGAR CANE	47	5	42	-
SEFITO	11	0	11	-

## Appendix 2: Crop Density Factor

Name of Crop	Crop Code	Density Factor: No Trees/Acre
Cassava	1	4,840
Kape	2	833
Kava	3	4,840
Kumara	4	4,840
Taro	5	4,840
Taro Pulaka	6	4,840
Yam	7	4,840
Bean	8	27,000
Chinese Cabbage	9	10,125
Corn	10	10,125
Cucumber	11	10,125
Egg Plant	12	10,125
Head Cabbage	13	10,125
Lettuce	14	10,125
Pele	15	10,125
Pineapple	16	10,800
Pumpkin	17	10,125
Spring Onions	18	27,000
Tomato	19	10,125
Watermelon	20	1,095
Avocado	21	48
Banana, Ripe	22	302
Banana, Green	23	302
Breadfruit	24	48
Soursop	25	134

Name of Crop	Crop Code	Density Factor: No Trees/Acre
Grapefruit	26	193
Fekakai	27	48
Lemon	28	193
Lime	29	193
Mango	30	48
Nonu	31	100
Orange	32	193
Papaya	33	833
Passionfruit	34	100
Vanilla	35	405
Vi	36	48
Coconut	37	64
Chestnut (ifi)	38	48
Sugar cane	39	833
Chillies	40	833
Tava	41	48
Ai /Foto	42	48
Sefito	43	4,840
Luku	44	10,125
Coffee	45	100
Saladia	46	10,125
Sinapi	47	10,125
silverbeet	48	10,125
polofua	49	10,125
Others NEC	50	10,125

## Appendix 3: Concepts, Definitions and some Explanations.

### Household

Population census Definition - One or more persons that live together and have their meals together.

Note that:

- ◆ Just one person, living on his own and looking after himself/herself would be considered a household.
- ◆ Usually a household will occupy one building but in a few cases two or even more households may share one building. For example, four households living in an apartment building containing four apartments.
- ◆ Alternatively, one household can occupy more than one building –A family will normally not be one household but would be composed of several households.

### Head of Household

The person who is considered to be the head by the members of a household, that is, all persons living in the household.

### Holding

An agricultural holding is an economic unit of agricultural production under single management comprising of all livestock kept on 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 labor, farm buildings or machinery.

### Operator

An operator of agricultural holding is the person who exercises management control over the operation of the agricultural holding. Where a single household is operating the holding, the head of the household in most cases is the operator but if two people in the household (husband and wife) make joint decisions on the management of the holding, both should be recorded as operators.. A holding can also be operated as a partnership or some other form of joint operation between different households. In some cases the operator is not necessarily the head of the household, or the owner of the place, he/she may be a member of the owner's household, a hired manager, a tenant or a renter, a person who operates customary land as assigned to him/her by his *leveki magafaoa* or a person who operates the land under government permit.

### Parcel

A holding parcel is any piece of land entirely surrounded by other land, water, road, forest etc., and not forming part of this holding. A parcel may consist of one or more fields adjacent to each other. In other words a parcel is a contiguous piece of land in a holding. The entire land of the holding may consist of one or more than one parcel.



## 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 a fallow land or land ready for planting or bush plot or plot under other use like homestead.

## Institution

An institution is an organization providing a specific service or performing some general public function for a group of individuals such a prison, hospital, hotel, church boarding school etc.

## Land Tenure

Land Tenure refers to arrangements or rights under which the holder holds or uses holding land.

## Level 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 (25 x 25 yds.) (23X23 meters) of land under garden crops or less than 20 coconut trees or less than 20 banana plants or less than 20 other tree crops.
3. Subsistence Only. The household produces crops but does not sell.
4. Subsistence and Cash Cropping. The household's main purpose of agricultural productions is to feed itself (subsistence) but some crops or surplus crops are sold.
5. Commercial. The households in this category differ from those in category 4 by the fact that their main purpose of production is to sell their produce either locally or for export.

## Land Area

Land area will be measured in acres. There are 4,840 square yards in an acre. As a rough guide the following proportions of an acre are represented by squares whose sides have the following lengths.

Area in Acres	Length of sides of square in yards		Meters
1	70		64
$\frac{3}{4}$	60		55
$\frac{1}{2}$	50		45
$\frac{1}{4}$	35		32
$\frac{1}{8}$	25		23

## Single cropped

A “single cropped” pattern refers to one crop’ which has been planted in a regular pattern such as rows. If there are a few other trees/plants of different crops in scattered plantings over the plot, consider the plot to be ‘single cropped’ to the crop that is planted in a regular pattern.

### **Mixed Crop**

A “mixed crop” pattern refers to two or more crops which are interplanted in a regular pattern such as rows. Again if there are a few scattered plantings of other crops do not consider them to be crops that are interplanted in a “mixed cropping”

### **Scattered Crop Pattern**

A scattered pattern refers to crops/plants which have not been planted in any regular pattern such as rows or some uniform method of spacing and are usually few in numbers.. Scattered crops/plants can be found among plants of a regularly (pattern) planted plot.

### **Reference Periods**

#### Agriculture Census 2009

The general reference period is one calendar year i.e. 1<sup>st</sup> January 2009 to 31<sup>ST</sup> December 2009. However, for the purpose of this census, the reference period for most of the items will be from January 1, 2009 to the time of visit or day of enumeration. Reference period for specific sections are indicated in the respective sections

## Appendix 4: List of Forms

### 1. Household Form

**The Household Form** is the form to be filled up for all households located in your enumeration area that operates any agricultural land and/or livestock or poultry.

### 2. Holding Form

**The Holding Form** is the form to be filled with the purpose to identify each of the different agricultural holdings that the members of the households are engaged in from January 1, 2009 to the time of enumeration

### 3. Parcel Form

**The Parcel Form** is the form to be filled with the purpose to identify the number of parcels within the agricultural holdings and the different plots within the parcels and the crops planted or grown and crops harvested.

### 4. Table of Density Factor

**The density factor** refers to the globally agreed number of plants to an area in acres usually provided by UNFAO.

**2009 NIUE MINI CENSUS OF POPULATION AND CENSUS OF AGRICULTURE**

Village Name: \_\_\_\_\_

Head of Household: \_\_\_\_\_

Area number:  Enumeration Area:  Household Number:   Date of Interview:   

Enumerator:.....

**SECTION I - HOUSEHOLD COMPOSITION** as of the Day of Enumeration) (The usual composition of household excludestemporary visitors but includes usual household members) **TOTAL:**   **FEMALES:**   **MALE:**  

								<b>All Persons Aged 10 Years and over</b>				
No.	Full Name	Sex M-1 F-2	Date of Birth dd/mm/y	Age	Descent Niuean-1 Non Niuean-2	Country of Residence (Code)	Country of Residence 1 Year Ago (Code)	Educational Attainment (Code)	Main Activity last week (Code)	Paid Job F/Time-1 P/Time-2 None-3	Ave. Hrs/Week Work On Holding (Code)	Holding Operator Yes-1 No-2
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

**Country of Residence/ Country of Residence 1 Year Ago**

- 1 Niue  
2 New Zealand  
3 Samoa
- 4 Tonga  
5 Other Pacific Islands  
6 Other Countries

**Educational Attainment**

- 1 None  
2 Primary  
3 Secondary  
4 Tertiary

**Main Activity**

- 1 Employed by Government  
2 Employed by Private Sector  
3 Work mainly for Home Consumption  
4 Working mainly for sale
- 5 Unemployed  
6 Domestic Duties  
7 Fulltime Student  
8 Others

**SECTION II – LEVEL OF AGRICULTURAL ACTIVITY OF THE HOUSEHOLDS** (During the Period January 1, 2009 to Day of Enumeration)

(1) Does your household operate any garden crops, coconuts, bananas or other tree crops? (Encircle "1" for YES and continue to Q 2. Otherwise encircle "2" for NO and Tick the box provided).

1 YES



2 NO → Go to Section III

☐ 1

(2) Does your household have more than 1/8 acre (23 meters x 23 meters ) of land under garden crops or more than 20 coconuts or more than 20 bananas or more than 20 other crops? (Encircle "1" for YES and continue to Q 3. Otherwise encircle "2" for NO and Tick the box provided)

1 YES



2 NO → GO to Section III

☐ 2

(3) Did your household sell any vegetables, fruits, or other agricultural produce? ( Encircle "1" for YES and continue to Q 4. Otherwise encircle "2" for NO and Tick the box provided)

1 YES



2 NO → Go to Section III

☐ 3

(4) What do you regard as the main purpose of your agricultural production, to produce crops primarily for home consumption or for sale? (Tick the appropriate code.)

Mainly for Home Consumption

☐ 4

Mainly for Sale

☐ 5

**SECTION III – LIVESTOCK, POULTRY and DOMESTIC ANIMALS**

1) Does the household have any livestock and/or domestic animals as of the day of enumeration? (Encircle "1" for Yes, otherwise encircle "2" for NO and enter code in box provided.

1 YES

2 NO → GO TO Section IV

☐

Kind of Livestock And Poultry	Code	Number Kept (as of visit)	Slaughtered (Jan. 1, 2009 to time of visit)			Number of Live Animals Sold (Jan. 1, 2009-visit time)
			Sold	Consumed	Customary	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 Cattle	1					
2 Boars	2					
3 Sows	3					
4 Other Pigs	4					
<b>5 Total Pigs</b>	5					
6 Poultry, Housed	6					
7 Poultry, Free range	7					
<b>Domestic Animals)</b>						
8 Cats	8		////////	//////////	//////////	//////////
9 Dogs	9		////////	//////////	//////////	//////////

2) How many pigpens does your household have?

☐ ☐

**SECTION IV– FISHERIES (during the period Jan. 1, 2009 to Day of Enumeration)**

(1) Did any members of this household engage in fishing anytime from January 1, 2009 to Day of Enumeration? (Encircle "1" for Yes, otherwise, encircle "2 and enter the code in the box provided).

1 YES                      2 NO → Go To Section V

(2) If Yes, what type of fishing did the household engage in? (Encircle the appropriate code and enter in the box provided.)

1 Inshore Fishing  
2 Offshore Fishing  
3 Both

(3) Did the household use the following fishing methods? (Encircle code "1" for Yes, otherwise Encircle code "2." For NO Then enter the code in the box provided.)

a) Fish net?	1 Yes	2 No
b) Hook and Line	1 Yes	2 No
c) Spears	1 Yes	2 No
d) Trolling	1 Yes	2 No
e) Bottom Fishing	1 Yes	2 No
f) Reef gleaning	1 Yes	2 No

<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>
<input type="text"/>

(4) How many fishing trips did the household make during the last month? (Enter the number of fishing trips made during the last month in the boxes provided.)

<input type="text"/>	<input type="text"/>
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(5) How much of the fish or other aquatic products caught during the last month were sold? (Encircle the appropriate code and enter in the box provided.)

0 None	3 About 3/4
1 About 1/4	4 All
2 About 1/2	

(6) How many members of this household are normally engaged in fishing? (Enter the number of household members in the boxes provided.)

Total Number of Household Members engaged  
In fishing  
Number of Female Members  
  
Number of Male Members

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

(7) What was the main purpose of the household fishing activity? (Encircle code and enter the answer in the box provided.)

1 Home Consumption Only  
2 Mainly for Home Consumption but with occasional selling  
3 Mainly for Sale

**SECTION V EQUIPMENT**

- (1) (1) **Does your household own, hired, borrowed any of the following equipment.**  
*(Encircle "1" for Yes, otherwise, encircle "2" for NO and enter the code in the box provided).*

1 YES

2 NO Go TO SECTION VI

☐

Type of Equipment	Code	Number Owned (as of visit)	Hired/Borrowed (from Jan. 1, 2009 to day of enumeration)	
(1)	(2)	(3)	(4)	
Canoes	01		1-YES	2-NO
Dinghies	02		1-YES	2-NO
Outboard motors	03		1-YES	2-NO

**SECTION VI – UGA HUNTING (during the last month)**

- (2) Did any members of this household engage in uga hunting **last month** *(Encircle "1" for Yes, otherwise, encircle "2" for NO and enter the code in the box provided).*

1 YES

2 NO → GO TO SECTION VII

☐

- (3) If Yes, How many ugas were caught? *Enter the number in the box provided.*

- (3) What is your main method of catching uga?

- 1 Setting Hunting Trails  
 2 As you drive on the road  
 3 On the Cliffs  
 4 others

Specify \_\_\_\_\_

☐**SECTION VII – CONSUMPTION OF MAJOR CROPS**

Did the household consume the following crops in the last month? *(Encircle "1" for Yes and "2" for No.)* If Yes to any of the crops mentioned below, what is the average weekly consumption?

Major Crops		Yes or No		Units	Number
Drinking coconut	1	1 – Yes	2 – No	nuts	
Dry coconut for cooking	2	1 – Yes	2 – No	Nuts	
Dry coconut for feeding animals	3	1 – Yes	2 – No	Nuts	
Banana green	4	1 -- Yes	2 -- No	Meals/week	
Banana, Ripe	5	1 – Yes	2 – No	Meals/week	
Taro	6	1 – Yes	2 – No	Meals/Week	
Cassava	7	1 – Yes	2 – No	Meals/Week	
Papaya	8	1 – Yes	2 – No	Meals/week	

**GOVERNMENT OF NIUE**  
**DEPARTMENT OF AGRICULTURE, FORESTRY AND FISHERIES AND**  
**NATIONAL STATISTICS OFFICE**

## 2009 NIUE MINI CENSUS OF POPULATION AND CENSUS OF AGRICULTURE

Village Name \_\_\_\_\_ Head of Household \_\_\_\_\_  
 Area Number:   EA Number   Household Number    
 Date of interview    Enumerator \_\_\_\_\_ Holding Number

### SECTION I – NUMBER OF HOLDINGS AND METHOD OF OPERATION *(During the period January 1, 2009 to Day of Enumeration)*

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)*	Method of Operation (Enter Code)	Number of Separate Parcels	Location (Enter Code)	
				Area Number	Enumeration Area
(1)	(2)	(3)	(4)	(5)	(6)

\* Write the name of the household head or the operator in the case of individual household operations or write the names of individual members if partnership or group operation – Encircle the respondent to be used for each holding if more than one operator.

Code for the Method of Operation (Col.3):

- 1 Individual Household on Own Account
- 2 In Partnership
- 3 A Village Association
- 4 Institution



## SECTION II- TOTAL AREA OF THE HOLDING (as of the Day of Enumeration)

Parcel Number *	Location		Total Area *		Land Tenure (Code)	Land Use (Code)	Period Of Use (Years)	Proportion of crops Damaged by wild pigs
	Area Number (Code)	Enumeration Area (code)	Whole acres	Fractions of acre				0=None 1=1/4 2=1/2 3=3/4 4=All
(1)	(2)	(3)	(4)	(5)	(6)	(7)	8	9
1 (Homestead)								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
TOTAL								

\* Compute for the total number of parcels and the total area.

Codes for:

Land Tenure (Column 6)

- 1 Family owned
- 2 Leased
- 3 Others

Main Land Use (Column 7)

- 1 Land under tree crops
- 2 Land under other crops
- 3 Land under tree crops and other crops
- 4 Land under temporary fallow
- 5 Land under non-agriculture use
- 6 Land under livestock and poultry

## SECTION III - LABOUR INPUTS (During the last week)

(1) Details of **Non Household Members**, aged 10 years and over, working on the holding in the last week.

Did the household employ any non household members on the holding during the last week? (Encircle "1" for Yes and "2" for No. Enter the answer on the box provided.)

1 Yes      2 No → Go to Section IV

☐

Line No.	Sex (1/2)	Age	Paid- 1 Unpaid-2	Hours/ week	Wages/week	Other Benefits (Encircle Code)			
1						0	1	2	3
2						0	1	2	3
3						0	1	2	3
4						0	1	2	3
5						0	1	2	3

Sex: 1 – Male

2 -Females

Benefits: 0 – No other benefits

1 – free or subsidized housing

2 – free meals

3 – other benefits

#### SECTION IV - HOUSEHOLD AGRICULTURAL INCOME AND CREDIT

(1) What is the proportion of household's total income usually derived from agricultural activities.  
(Encircle the code for the answer and enter it in the box provided.)

- |           |           |
|-----------|-----------|
| 0 None    | 3 About ¾ |
| 1 About ¼ | 4 All     |
| 2 About ½ |           |

(2) Did any member of your household receive any loans directly related to agricultural activities in the last 5 years?

1 Yes

2 **No Go to section V**

(3) What is the source of loans directly related to the household's agricultural activities in the last five years? (Encircle the code for the answer and enter it in the box provided.)

1 NDB

2 Bank of South Pacific

3 other

#### SECTION V- USE OF FERTILIZERS, AGRICULTURAL CHEMICALS in 2009

(1) Did the household use any inorganic fertilizers? (Encircle "1" for Yes or "2" for No and enter in the box provided.)

1 YES

2 NO

((2) Did the household use any organic fertilizers such as leaves, animal manure, etc.? (Encircle "1" for Yes or "2" for No and enter in the box provided.)

1 YES

2 NO

((3) Did the household use any agricultural chemicals? (Encircle "1" for Yes or "2" for No and enter in the box provided.)

1 YES

2 NO Go to Section VI

(4) If Yes, specify the agricultural chemicals used.

**Main chemical used**

**(office use only)**

1 Insecticide

\_\_\_\_\_

2 Herbicide

\_\_\_\_\_

3 Fungicide

\_\_\_\_\_

## SECTION VI – EQUIPMENT OWNED (WORKING ORDER) AND HIRED/BORROWED

(1) Does your household own any of the equipment below? Did they hire or borrow any? Circle the appropriate code.

Type of Equipment	Code	Number Owned (as of visit)	Hired/Borrowed (from Jan. 1, 2009 to Time of Visit)	
(1)	(2)	(3)	(4)	
Knapsack Sprayer	01		1-YES	2-NO
Wheelbarrow	02		1-YES	2-NO
Chainsaw	03		1-YES	2-NO
Electric Generator	04		1-YES	2-NO
Brush Cutter	05		1-YES	2-NO
Planting stick(koho)	06		1-YES	2-NO
Rotary Hoe	07		1-YES	2-NO

(2) Did your Household hire a bulldozer in the last year? (Encircle "1" for Yes or "2" for No and enter code in the box provided.)

1 YES

2 NO Go to Section VII

(3) If Yes, how many such hires by duration?

Half Hour	One Hour	One & half Hour	Two Hours	Others.....

## SECTION VII – CROPS GROWN (during the period Jan. 1, 2009 to Time of Visit)

For EACH CROP listed indicate the CROP STATUS CODE and, if Codes 1 or 2, the CROP USE CODE?

Name of Crop	Crop Code	Crop Status Code	Crop Use Code	Name of Crop	Crop Code	Crop Status Code	Crop Use Code
(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
Cassava	01	0 1 2	1 2 3	Avocado	21	0 1 2	1 2 3
Kape	02	0 1 2	1 2 3	Banana, Ripe	22	0 1 2	1 2 3
Kava	03	0 1 2	1 2 3	Banana, Green	23	0 1 2	1 2 3
Kumara	04	0 1 2	1 2 3	Breadfruit	24	0 1 2	1 2 3
Taro	05	0 1 2	1 2 3	Corn	25	0 1 2	1 2 3
Taro Pulaka	06	0 1 2	1 2 3	Grapefruit	26	0 1 2	1 2 3
Yam	07	0 1 2	1 2 3	Fekakai	27	0 1 2	1 2 3
Bean	08	0 1 2	1 2 3	Lemon	28	0 1 2	1 2 3
Chinese Cabbage	09	0 1 2	1 2 3	Lime	29	0 1 2	1 2 3
Corn	10	0 1 2	1 2 3	Mango	30	0 1 2	1 2 3
Cucumber	11	0 1 2	1 2 3	Nonu	31	0 1 2	1 2 3
Egg Plant	12	0 1 2	1 2 3	Orange	32	0 1 2	1 2 3
Head Cabbage	13	0 1 2	1 2 3	Papaya	33	0 1 2	1 2 3
Lettuce	14	0 1 2	1 2 3	Passionfruit	34	0 1 2	1 2 3
Pele	15	0 1 2	1 2 3	Vanilla	35	0 1 2	1 2 3
Pineapple	16	0 1 2	1 2 3	Vi	36	0 1 2	1 2 3
Pumpkin	17	0 1 2	1 2 3	Others:~~~~~		0 1 2	1 2 3
Spring Onions	18	0 1 2	1 2 3			0 1 2	1 2 3
Tomato	19	0 1 2	1 2 3			0 1 2	1 2 3
Watermelon	20	0 1 2	1 2 3			0 1 2	1 2 3

### Codes for Crop Status

0 – Not grown in 2009

1 – Currently growing

2 – Not Growing now BUT grown during 2009

### Codes for Crop Use

1 – Mainly grown for home consumption

2 – Mainly grown for sale

3 – Partly grown for home consumption and partly for sale

*Confidential*

Acres	Fraction
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**Important Note:** Age in Years is only for coconut and cocoa plantation only.

**SECTION P3. CROPS PLANTED AND HARVESTED ON THIS PARCEL** *(during the Period Jan. 1, 2009 to Time of Visit)*

[illegible]

\* Fill in one only, either in area or number of plants.

Codes for Proportion Sold:

0	None	3	$\frac{3}{4}$
1	$\frac{1}{4}$	4	All
2	$\frac{1}{2}$	9	Not Stated

## Appendix 5: List of Enumerators and Support Staff

No.	ENUMERATORS	LOCATION
1	Juvena Siataga	Alofi South 1
2	Ofa Jackson-Williams	Alofi South 2
3	Judy Tanevesi	Alofi South 3
4	Joy Leolahi	Alofi South 4
5	Susana St. Clair	Tamakautoga 1
	Susana St. Clair	Tamakautoga 2
7	Amanda Heka	Tamakautoga 2
8	Brandon Tauasi	Avatele 1
	Amanda Heka	Avatele 2
9	New Aue	Vaiea
10	Tom Misikea	Hakupu 1
11	Diamond Tauevihi	Hakupu 2
12	Sifa Pulehetoa	Liku
13	Crisbina Konelio	Lakepa
14	Pamela Togiakona	Mutalau 1
15	Leo Pita	Mutalau 2
	Pamela Togiakona	Toi
	Leo Pita	Hikutavake
	Pamela Togiakona	Hikutavake
	Leo Pita	Namukulu
16	Taufakavalu Tukiuha	Tuapa 1
17	Charlene Tukiuha	Tuapa 2
18	Jamal Talagi	Makefu
19	Fanuma Sioneholo	Alofi North 1
20	TerryAnne Mokoia	Alofi North 2
	<b>SUPERVISORS</b>	<b>Enumeration Areas</b>
1	Gaylene Tasmania	AL STH
2	Natasha Toeono	TMK - HKP
3	Poi Okesene	LIK - NAM
4	Jaye Gataua	TUP - AL NTH
	<b>CO-ORDINATOR</b>	
1	Charlene Funaki	
	<b>DATA ENTREES</b>	
1	Kayla Mokoia	
2	Alana Tukuniu	
	<b>CENSUS OFFICER</b>	
1	Kimray Vaha	