
APPENDIX A.

CENSUS OF AGRICULTURE METHODOLOGY

The 2008 American Samoa Census of Agriculture was conducted by personal interviews of all farm operations on the list of commercial farms, and supplemented by an area sample of the remaining households. The purpose of the area sample was to efficiently account for farms not on the commercial farm list and provide an accurate measure of the agricultural activity in American Samoa.

SAMPLE DESIGN

The design of the sample for the 2008 Census of Agriculture made use of materials and information available from the American Samoa Department of Commerce. These included detailed maps of all the islands in the territory, up-to-date map-spotting (location on a map) of all households in the territory, a system of numbering each household to provide it a unique identifier, and identification of households which were on the list of commercial farms.

The households that were on the list of commercial farms were excluded from the universe used to select the area sample. A random sample of the remaining households was selected, using the available maps with the household identification information. It was determined that a 20 percent sample would be optimal. A serpentine selection methodology, starting at a point determined by the generation of a random number, was used to select the area sample.

DATA COLLECTION

As in the previous agriculture census in American Samoa, enumeration was based on a

list of farm operators compiled by the American Samoa Department of Agriculture along with a sample of all households not on the list. All of the operators on the list were enumerated with certainty, and a random sample of the remaining households was selected to represent all operations not on the list. The data from these households were given a weight equal to the inverse of their probability of selection to the sample. The statistics in this report were collected from farm operators during the period from late April to early July 2009.

The enumerators were hired for the data collection phase of the census by the American Samoa Department of Commerce. Enumerators were divided into teams, with each team responsible for a given area. The enumerators were required to contact all households identified on census maps in their assigned area and complete a census report form for all farm operations. If a person on the list of farm operators was not operating a farm, the enumerator was to record whether the land had been sold or rented to someone else and was still being used for agriculture. If so, the enumerator got the name of that person, and followed up to ensure that the operation was included in the census.

The project manager, crew leaders, and enumerators employed for the census in American Samoa received special training in accordance with instructions prepared by NASS and the

Department of Commerce of American Samoa. The training included practice in interviewing and filling out the report form plus detailed discussion of the enumerator's instructions.

2008 CENSUS OF AGRICULTURE

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REPORT FORM PROCESSING

The processing of the 2008 Census of Agriculture for American Samoa was done by both the Department of Commerce in American Samoa, and NASS in Washington. Each report form was reviewed and coded prior to data keying. Report forms not meeting the census farm definition were voided. The remaining report forms were examined for accuracy, consistency, and completeness. Reporting errors in computations, units of measures, data inconsistencies, and misplaced entries were corrected. After all the report forms had been reviewed and coded, the data were keyed. These functions were performed in American Samoa.

After the review and keying operations were completed, the electronic files and the report forms were sent to Washington, where the data were subjected to a thorough computer edit. The edit performed comprehensive checks for consistency and reasonableness, corrected erroneous or inconsistent data, supplied missing data based on similar farms, and assigned farm classification codes necessary for tabulating the data. All substantial changes to the data generated by the computer edits were reviewed and verified by analysts. Inconsistencies were reviewed, corrected, and keyed to a correction file. The corrected data were then tabulated by the computer and reviewed by analysts.

Prior to publication, tabulated totals were reviewed by analysts to identify inconsistencies and potential coverage problems. Comparisons were made with previous census data, as well as other available data. When necessary, data inconsistencies were resolved and corrections were made to the corresponding data records.

ESTIMATION

Estimates were produced from two components, a list component and an area component. The list

component was made up of some 140 commercial farm operations identified by the American Samoa Department of Agriculture prior to the census. All farm operations on the list were enumerated. The Sample Design section, above, described how a sample households were selected to estimate the area component.

Since the area component involved sampling, on average, each of the operations found in the area component represents about four other farms that would not have been included in the list component. As a result, the data from these farming operations found in the area component must be expanded, or weighted, to account for the farms not selected in the sample. Approximately 1,150 of these unlisted farming operations were found in the area component and they represent about 5,700 farms.

SAMPLING ERROR

Estimates made for the 2008 American Samoa Census of Agriculture are subject to sampling error. This type of error arises because a sample of households is selected to estimate the area frame component. Since resulting estimates were obtained based on a sample of households, these estimates were not necessarily equal to the actual values that would have been obtained had a complete canvass of all households been undertaken.

NONSAMPLING ERROR

Coverage

The main objective of the American Samoa Census of Agriculture is to obtain a complete and accurate enumeration of all farms covered by the list frame and area frame in American Samoa with accurate data for all aspects of the agricultural operation. However, the cost and availability of resources for the enumeration place restrictions on operationally feasible data

collection methodologies. Such restrictions may lead to the exclusion from enumeration of farms which should have been included in the sample; this type of nonsampling error is known as coverage error.

Despite the use of intensive field quality control procedures designed to ensure complete enumeration of all selected households, coverage error may have resulted from the inability of enumerators to enumerate all farms in the sample assigned to them. During the 2008 Census of Agriculture, coverage error may have resulted from the inability to correctly identify all duplicate records within the list frame or between the list and area frames.

Respondent and Enumerator Error

Incorrect or incomplete responses to the questions posed by an enumerator introduce error into the census data. To reduce all types of reporting error, questions were phrased as clearly as possible, and detailed instructions for completing the report form were provided to each enumerator collecting data in the field. In addition, each respondent's answers were checked for completeness and consistency.

Processing Error

All phases of processing of each census report form are sources for the introduction of nonsampling error. The processing of census report forms includes clerical screening for farm activity, follow-up of nonrespondents, keying and transmittal of completed report forms, computerized editing of inconsistent and missing data, review and correction of individual records referred from the computer edit, review and correction of tabulated data, and electronic data processing. These operations undergo a number of quality control checks to ensure as accurate an application as possible, yet some errors may ultimately remain undetected.

Item Nonresponse

Nonresponse to particular questions on the census report form which we would logically or statistically expect to be present may create a type of nonsampling error. When information reported for another farm with similar characteristics is used to impute for item nonresponse, the final estimates may be biased. This is because the unobserved characteristics of the nonrespondents may differ from those reported by respondents at either the element level (individual farm operation) or on the average.

Edit and Imputation Procedures

For the 2008 Census of Agriculture, as in previous censuses, all reported data were keyed and then edited by computer. The edits were used to determine whether the reports met the minimum criteria to be counted as farms in the census. Also, a series of complex, logical checks for consistency and completeness of item responses were performed; these provided the basis for deciding to accept, impute (supply), delete, or alter the reported value for each data record item.

Whenever possible, edit imputations, deletions, and changes were based on component or related data on the respondent's report form. Values for missing or unacceptable reported data items were calculated based on reported quantities and known price parameters. When these and similar methods were not available and values had to be supplied, the imputation process used information available on the particular item in question. For example, a farm operation which reported acres of taro harvested, but did not report quantity of taro harvested, was assigned a quantity which gave the average pounds of taro per acre harvested, based on information provided by the American Samoa Department of Agriculture.

BIAS AND PRECISION OF THE ESTIMATES

The above-mentioned nonsampling errors can be sources of bias - that is, sources which can cause

either underestimates or overestimates - in the published estimates. In addition, the sampling of households relating to the area component may be a source of bias of the estimates.

Appendix B.

General Explanation and Census of Agriculture Report Form

DEVELOPMENT OF THE CENSUS REPORT FORM

Prior to each agriculture census, the content of all census report forms is reviewed to eliminate inquiries no longer needed, to identify new items necessary to meet user needs, and to better describe the agricultural situation in the Islands. Data requests are solicited from farm organizations, land-grant colleges and universities, State and Federal agencies, State Departments of Agriculture, agribusinesses, and other users. Each respondent is asked to identify and justify its specific data needs.

The report form for the 2008 Census of Agriculture was prepared by NASS, in cooperation with the Departments of Commerce and Agriculture of American Samoa. Based on comments from these departments, along with the American Samoa Community College - Land Grant, the content of the 2008 census report form remained basically unchanged from 2003.

DEFINITIONS AND EXPLANATION

The following definitions and explanations relate to items that are in the tables. For an exact wording of the questions and instructions on the report form, see the report form at the end of this appendix.

Crops. The report form contained individual inquiries for crops commonly grown and space to write in those less frequently produced. The information requested in 2008 included acres of crops harvested and pounds harvested for sale.

The units of measure for reporting quantities of some crops have varied from one census to another. The aim has been to permit reporting in the units of measure currently in use. The quantities harvested for each crop are expressed in the units of measure given on the 2008 report form.

Field Crops, Vegetables, and Melons. The land area from which individual root crops were harvested was obtained in acres and tenths of acres. When two or more crops were harvested from the same land, the area was to be reported for each separate crop or planting. Total quantities of each crop harvested, quantity of sales, value of sales, and quantity used for home consumption were also reported.

Fruits and Nuts. For each fruit or nut crop, data on the number of trees or plants, total quantities of each crop harvested, quantity of sales, value of sales, and quantity used for home consumption were reported.

Ornamental Plants and Nursery Crops. Data were reported for the land harvested, both square feet under cover and acres in the open, along with the value of sales and value of plants for family use.

Equipment. The following types of equipment on the place at time of enumeration, regardless of ownership, were reported if they were operable:

Automobiles. This includes all vehicles designed primarily as passenger cars.

Motortrucks. This includes pickup trucks and truck-trailer combinations.

Tractors. This includes all wheel and tracklaying (crawler) tractors and garden tractors.

Tillers of all kinds. This includes all mechanical tillers.

Chain saws. This includes all sizes of portable chain saws.

Weed eaters. This includes all types of string trimmers.

Mist blowers. This includes all stationary mist sprayers.

Knap sacks. This includes manually operated sprayers carried by the user.

Expenses. The 2008 report form contained questions on seven types of farm expenses incurred during the census year, whether made by the farm operator, his/her landlord, or both. A farm operator who rented part of his/her land to others reported only the expenses on the land he/she operated.

Machine hire and customwork. Expenses for machine hire and customwork relate to tractor hire, plowing, and spraying. Any amount spent for the labor involved is considered to be part of the expense. The costs of hauling, trucking, or exchange work without pay are omitted.

Wages and salaries paid to employees or hired farm workers. Expenses for hired farm labor include total cash payments made to family members and others for farm labor.

Feed purchased for livestock and poultry. Expenses for feed for livestock and poultry include total cash payments made for pasture used, salt concentrates, mineral supplements, grain, hay, mill feeds, and any other items purchased for feeding livestock and poultry on the place.

Purchases of insecticides, fungicides, and herbicides. This item relates to total cash expenses for all chemicals, sprays, dusts, etc., used to control weeds, pests, insects, or disease on crops and livestock.

Purchases of fertilizers and manure. These expenses include the total amount spent for manure and commercial fertilizers of all kinds for use on the farm.

Purchases of livestock, poultry, and fish. This item includes all cash expenses for livestock, poultry, and fish purchased for the place. The cost of livestock and poultry bought and resold within 30 days is not included.

Seed cost. These expenses include all seed purchased for planting, as well as seedlings.

Farm operator. The term "operator" designates a person who operates a farm, either by doing the work himself/herself or by directly supervising the work. The operator may be the owner, a member of the owner's household, a hired manager, or a tenant, renter, or sharecropper. If the operator rents land to others or has land worked on shares by others, he/she is considered the operator only if the land is retained for his/her own operation. For communal lands, the person in charge is considered as the operator of land used for the benefit of the extended family group. An individual member of the family group who raised crops or kept livestock or poultry for his/her own account on communal land was considered to be the operator of the land so assigned. By definition, the number of operators is the same as the number of farms.

Farms or operators reporting. Figures for "farms reporting" or "operators reporting" represent the number of farms, or operators, reporting the specified item. The difference between the total number of farms and the

number of farms reporting a particular item represents the number of farms not having that item.

Land in farms. The land in farms was determined from the answers to questions 1 through 4 in section 1 of the report form included at the end of this appendix. The amounts of land reported as owned and reported as rented from others were added together, and the amount of land reported as rented to others was subtracted from that sum. The result represents "land in farms." Although the area designated land in farms consists primarily of agricultural land, i.e. land used for crops, pasture, or grazing, it also included areas of land not actually under cultivation, nor used for pasture or grazing. For example, woodland and wasteland owned or rented from others were included as land in farms unless the report indicated it was being held for nonagricultural purposes, such as for recreation or for timber.

Land owned. This includes all land that the operator or his/her spouse held under title, purchased contract, or as heir or trustee of an undivided estate at the time of enumeration. Land managed by a hired manager also was considered owned. Communal land is the land which is owned by the extended family.

Land rented from others. This includes not only land the operator rented or leased from others, but also land worked on shares for others or land occupied rent free.

Land rented to others. This includes all land that the operator rented to others and all land assigned to others on shares or rent free. For the most part, land rented to others represents agricultural land, but it could also include land rented for residential or other purposes. The tenant is considered to be the operator of land leased, rented, or worked on shares, even though his/her landlord may supervise the operations.

The landowner is considered to be the operator of only that portion of the land not assigned to tenants.

Land use. Land in farms at the time of enumeration is categorized according to the way it was used during the calendar year of 2008. The land is counted only once, even though it may have had more than one use during the year.

Cropland harvested. This refers to all land from which any crop was harvested. It also includes land in field crops that were grazed when mature or almost mature and land in nonbearing fruit or nut trees and plants. Land from which two or more crops were harvested and which was also used for other purposes, either before or after the crops were harvested, was to be reported as cropland harvested without regard to the other uses.

Other cropland. This includes all cropland on the place that was used for pasture and cropland on the place that was not used for crops or pasture. It includes land on which there was total crop failure due to hurricane, flood, drought, insects, fire, or other causes; cropland lying idle; and cropland planted with soil improvement grasses or other cover crops planted for improvement. It does not include land so hilly, rocky, or wet that the cost of improving it for cultivation would be more than the operator could pay.

Pasture or grazing land. This refers to all land used for pasture or grazing, except cropland. It includes all woodland where livestock pastured or grazed. It does not include cropland, even though cattle or other livestock may have been grazed on it.

Woodland. This includes all land that is covered in woods or forests. It does not include woodland pasture.

Other land. This refers to all land not included in the other land use classifications, such as house and other building lots, lanes, roads, ditches, and land area of ponds and wasteland.

Livestock and poultry. Inventory data for livestock and poultry relate to the number on hand at the time of enumeration. All livestock and poultry were to be enumerated on the place where they were at the time of enumeration regardless of who owned them. Livestock on unfenced land were to be reported as being on the place identified as the headquarters of the person who had control over them.

Operator/household characteristics. Data were obtained for the operators and all members of the household for the following characteristics:

Relationship to the head of the household. The relationship to the head of the household of each person living in the household.

Age. The age of each member of the household on the day of enumeration.

Sex. The sex of each member of the household.

Value of products. Data for value of products sold were obtained for each crop or type of livestock and their products sold from the farm. Value of sales was also collected for fish and other aquaculture both raised on the place and caught from the sea. Values of crops and livestock used for home consumption were not reported, but were computer-generated using the quantities consumed and the average sale price for each product.

FARM CLASSIFICATIONS

Farms by tenure of operator. In the 2008 census, farms were classified by tenure of operator on the basis of data reported for land

owned, rented from others, worked on shares for others, and managed for others. The same classification has been used since 1964. During the processing operations, each report form was coded to indicate whether the operator was a full owner, part owner, or tenant.

Full owners. Operate only land they own.

Part owners. Operate land they own and also land they rent from others.

Tenants. Rent from others or work the land they operate on shares for others.

Farms by size. Farms were classified by size on the basis of the total land area established in each farm. According to the census definition, a farm is essentially an operating unit, not an ownership tract. All land operated or managed by one person or partnership represents one farm. In the case of tenants, the land assigned to each tenant is considered a separate farm, even though the landlord may consider the entire landholding to be one unit rather than several separate units.

Farms by age of operator. Enumerators entered the operator's age, as of his/her last birthday, on the report form. The computer edit classified the operator's age into one of the following age groups:


Under 35 years
35 to 44 years
45 to 54 years
55 to 64 years
65 years and over

Farms by value of agricultural products sold.

The farms were classified on the basis of the total value of agricultural products sold. The total was obtained by adding the reported values of all products sold from the farm. The value of livestock, milk, poultry and eggs, fish, vegetables, fruits and nuts, all field crops, ornamental plants, and all other crops was obtained from the operator at the time of enumeration. The computer edit classified the

value of agricultural products sold into one of the following groups:

Less than \$100
\$100 to \$499
\$500 to \$1,199
\$1,200 to \$2,499
\$2,500 to \$4,999
\$5,000 to \$7,499
\$7,500 to \$9,999
\$10,000 or more

NOTICE - Response to this inquiry is required by law (title 7, U.S. Code). By the same law, YOUR REPORT IS CONFIDENTIAL and will only be used for statistical purposes. Your report CANNOT be used for purposes of taxation, investigation or regulation. The law also provides that copies retained in your files are immune from legal process.					Part A - QUESTIONNAIRE IDENTIFICATION (NASS USE)							
 2008 CENSUS OF AGRICULTURE AMERICAN SAMOA					FARM SERIAL NUMBER							
					ARA		Block		Map Spot			
					Island	Code	District	Code				
					County	Code	Village	Code				
Form 07-A1 (USAS) U.S. DEPARTMENT OF AGRICULTURE NATIONAL AGRICULTURAL STATISTICS SERVICE					Part B - OWNER'S NAME AND ADDRESS OR PHYSICAL LOCATION							
Full name (First name, middle initial, last name)					Address or physical location							
NASS USE ONLY					Address or physical location							
035	036	037	038	039								
READ TO RESPONDENT - We estimate that it will take from 20 to 40 minutes to complete this report, with 30 minutes being the average time. Do you have any land on which you keep livestock or grow crops for sale or family use? (If NO, go to Section 10 on the back page; if YES, continue with Section 1.)												
INSTRUCTIONS												
1. Communal lands a. Any land used in owner-like possession for the benefit of the extended family should be reported as land owned under section 1, question 1. If the land is used for the sole benefit of the operator rather than the extended family, report the land under section 1, question 2 on a separate questionnaire. b. Any land used to which title or right of ownership is not held, should be reported as land rented FROM OTHERS under section 1, question 2. Do this even though no rent is paid to the owner of this land. c. Any land to which the title is held or ownership claimed, which is used by a nonmember of the extended family, should be reported as land rented TO OTHERS under section 1, question 3. Do this even though no rent is paid by the nonmember. In such cases, a separate agriculture questionnaire should be completed for the lands reported under section 1, question 3 in the name of the person in charge.					2. Private land Privately owned lands, not held or operated under the communal system - If crops were raised or livestock or poultry were kept, complete this agriculture questionnaire in the name of the person in charge. The person in charge is the one responsible for making the decisions. The person in charge will usually be the head of the family which plants or gathers the crops. 3. All other land Experimental farms, schools, churches, and other institutions - If crops were raised or livestock or poultry were kept, complete this agriculture questionnaire in the name of the institution. Also, give the name of the manager or superintendent in part B, above.							
SECTION 1 LAND IN AGRICULTURE (Report all land in tenths of acres)												
None					Communal land		Privately owned land		All other land		Total	
1. How many acres do you own or use in owner-like possession? <input type="checkbox"/>					040	/10	041	/10	042	/10	043	/10
2. How many acres do you rent from others? (Include land used rent-free) <input type="checkbox"/>					044	/10	045	/10	046	/10	047	/10
3. How many acres do you rent to others? (Include land for which no rent is received) <input type="checkbox"/>					048	/10	049	/10	051	/10	052	/10
4. Total acres in this place -ADD acres owned (question 1) and acres rented from others (question 2), then subtract acres rented to others (question 3), and enter the result in this space.					053	/10	054	/10	055	/10	056	/10
Name of owner					Village		Acres		Tenths			
5. If you rented land from others, (question 2) enter the following information for each landlord					1)						/10	
					2)						/10	
					3)						/10	
6. How many separate PARCELS or PIECES of land or plantations are represented in the "Total acres in this place?"					060		Number of parcels					
7. Is this farm producing mainly for family consumption or for sale? (Mark (X) one) 061 1 <input type="checkbox"/> Home consumption - Go to question 10. 3 <input type="checkbox"/> Sale - ASK questions 8 and 9												
8. Which of the following best describes your operation? 062 1 <input type="checkbox"/> Crop holding 3 <input type="checkbox"/> Livestock and/or poultry holding 7 <input type="checkbox"/> Mixed holding - both crops and livestock 9 <input type="checkbox"/> Other												
9. In what YEAR did you begin to operate this farm? 063 _____ Year												
10. In 2008, how many paid farm hands (non-family members) worked on this place -					084	065	150 days or more? 25 to 149 days? Less than 25 days?					
11. What percent of the farm operation is financed by each of the following sources?					None		Percent					
a. Household					<input type="checkbox"/>	067		%				
b. Private (Individual)					<input type="checkbox"/>	068		%				
c. Commercial					<input type="checkbox"/>	069		%				
d. Government					<input type="checkbox"/>	070		%				
e. Other - Specify _____					<input type="checkbox"/>	071		%				

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The time required to complete this information collection is estimated to average 30 minutes per response.

SECTION 2		FIELD CROPS, MELONS, AND VEGETABLES - Did you harvest any FIELD CROPS, MELONS, or VEGETABLES in 2008, such as cabbage, cassava, taro yams, etc.?					
002	1 <input type="checkbox"/> Yes - Complete this section 3 <input type="checkbox"/> No - Go to section 3	How many acres were harvested in 2008?		What quantity was harvested in 2008?	What quantity was sold in 2008?	What was the value of sales in 2008? (Dollars)?	What was the quantity harvested for family use or consumption?
	None	Acres	Tenth				
1. Cabbage	<input type="checkbox"/>	080	/10	081 Lbs	082 Lbs	083 \$	084 Lbs
2. Cassava	<input type="checkbox"/>	085	/10	086 Lbs	087 Lbs	088 \$	089 Lbs
3. Corn	<input type="checkbox"/>	090	/10	091 Lbs	092 Lbs	093 \$	094 Lbs
4. Cucumbers	<input type="checkbox"/>	095	/10	096 Lbs	097 Lbs	098 \$	099 Lbs
5. Egg plant	<input type="checkbox"/>	100	/10	101 Lbs	102 Lbs	103 \$	104 Lbs
6. Giant taro	<input type="checkbox"/>	105	/10	106 Lbs	107 Lbs	108 \$	109 Lbs
7. Green beans	<input type="checkbox"/>	110	/10	111 Lbs	112 Lbs	113 \$	114 Lbs
8. Green onions	<input type="checkbox"/>	115	/10	116 Lbs	117 Lbs	118 \$	119 Lbs
9. Melons (watermelons, honeydews, muskmelons, etc.)	<input type="checkbox"/>	120	/10	121 Lbs	122 Lbs	123 \$	124 Lbs
10. Sugarcane	<input type="checkbox"/>	125	/10	126 Lbs	127 Lbs	128 \$	129 Lbs
11. Taro	<input type="checkbox"/>	130	/10	131 Lbs	132 Lbs	133 \$	134 Lbs
12. Tomatoes	<input type="checkbox"/>	135	/10	136 Lbs	137 Lbs	138 \$	139 Lbs
13. Yams	<input type="checkbox"/>	140	/10	141 Lbs	142 Lbs	143 \$	144 Lbs
14. Other field crops and vegetables (kava, sweet potatoes, etc.)	<input type="checkbox"/>	145	/10	146 Lbs	147 Lbs	148 \$	149 Lbs
SECTION 3		FRUITS AND NUTS - Did you have any FRUIT or NUT trees or plants on this place, such as bananas, coconuts, mangoes, pineapples, etc.? (Quantity harvested in 2008 and number of trees and plants on December 31, 2008.)					
003	1 <input type="checkbox"/> Yes - Complete this section 3 <input type="checkbox"/> No - Go to section 4	Total trees or plants on this place	Total quantity harvested in 2008	Quantity sold in 2008	Value of sales in 2008 (Dollars)	Quantity harvested for family use or consumption	
	None						
1. Avocados	<input type="checkbox"/>	150	151	152	153 \$	154	
2. Bananas (Fai Palagi)	<input type="checkbox"/>	155	156	157	158 \$	159	
3. Bananas (Other varieties)	<input type="checkbox"/>	160	161	162	163 \$	164	
4. Breadfruits	<input type="checkbox"/>	165	166	167	168 \$	169	
5. Cacao	<input type="checkbox"/>	170	171	172	173 \$	174	
6. Coconuts	<input type="checkbox"/>	175	176	177	178 \$	179	
7. Grapefruits	<input type="checkbox"/>	180	181	182	183 \$	184	
8. Lemons	<input type="checkbox"/>	185	186	187	188 \$	189	
9. Limes	<input type="checkbox"/>	190	191	192	193 \$	194	
10. Mangoes	<input type="checkbox"/>	195	196	197	198 \$	199	
11. Oranges	<input type="checkbox"/>	200	201	202	203 \$	204	
12. Papayas	<input type="checkbox"/>	205	206	207	208 \$	209	
13. Pineapples	<input type="checkbox"/>	210	211	212	213 \$	214	
14. Other fruits, nuts, and tree crops (pandanus, kopek, citrons, coffee, etc. Specify _____)	<input type="checkbox"/>	215	216	217	218 \$	219	
15. How many square feet under cover and/or acres in the open did you have planted in ORNAMENTAL PLANTS or in any other NURSERY CROPS?		Square feet under cover	Acres	Tenths	Value of sales in 2008	Value of plants for family use in 2008	
		220	221	/10	222 \$	223 \$	

SECTION 4 LAND USE - Land is to be reported in ONLY ONE CATEGORY. If two or more uses were made of the same land, report in the FIRST category that applies.			
	None	Acres	
1. Cropland harvested - Report the number of acres on which crops were grown and harvested	<input type="checkbox"/>	230	/10
2. Other cropland - Include cropland pasture, crop failure, idle and fallow cropland, and cropland used for soil improvement	<input type="checkbox"/>	231	/10
3. Pasture or grazing land - Include woodland pasture. (DO NOT include cropland pasture.)	<input type="checkbox"/>	232	/10
4. Woodland (DO NOT include woodland pasture.)	<input type="checkbox"/>	233	/10
5. All other land - Include house lots, barn lots, lanes, roads, ditches, ponds, wasteland, etc.	<input type="checkbox"/>	234	/10
6. TOTAL LAND - Add entries in questions 1 through 5. This total should equal the entry in section 1, question 4		235	/10

SECTION 5 LIVESTOCK AND POULTRY - How many of the following livestock and/or poultry were on this place December 31, and how many were sold or slaughtered for family use in 2008?				
	None	How many were on this place Dec. 31?	How many were sold in 2008?	What was the value of sales in 2008?
1. Total cattle and calves of all ages (Total of "a" and "b" below)	<input type="checkbox"/>	240	241	242 \$
a. Milk Cows	<input type="checkbox"/>	244	245	246 \$
b. All other cattle and calves	<input type="checkbox"/>	248	249	250 \$
2. Hogs and pigs of all ages	<input type="checkbox"/>	252	253	254 \$
3. Horses, mules, and colts of all ages	<input type="checkbox"/>	256	257	258 \$
4. Chickens	<input type="checkbox"/>	260	261	262 \$
5. Other poultry (ducks, pigeons, guineas, geese, etc.) - Specify _____	<input type="checkbox"/>	264	265	266 \$
6. Other livestock - Specify _____	<input type="checkbox"/>	268	269	270 \$
		Total quantity produced in 2008	Quantity sold in 2008	Value of sales in 2008
7. How many dozen chicken eggs were produced during 2008?	<input type="checkbox"/>	272	273	274 \$
8. How many quarts of milk were produced during 2008?	<input type="checkbox"/>	276	277	278 \$
				Quantity produced for family use or consumption in 2008
				275
				279

SECTION 6 Did you or any family member raise any FISH or AQUACULTURE PRODUCTS on this place during 2008?			
280	1 <input type="checkbox"/> YES - Complete this section	3 <input type="checkbox"/> NO - Go to SECTION 7	
			None Number
1. How many in-ground PONDS did you use?	<input type="checkbox"/>		281
2. How many above-ground TANKS did you use?	<input type="checkbox"/>		282
3. Which of the following FISH or other AQUACULTURE PRODUCTS were raised in 2008?	None	Quantity Sold (Pounds)	Gross Value of SALES (Dollars ONLY)
a. Tilapia	<input type="checkbox"/>	283 lbs	284 \$
b. Shrimp	<input type="checkbox"/>	286 lbs	287 \$
c. Crayfish	<input type="checkbox"/>	289 lbs	290 \$
4. Clams	<input type="checkbox"/>	292 number	293 \$
5. Other - Specify: _____	<input type="checkbox"/>	295 lbs	296 \$
			285 288 291 294 297
			lbs lbs lbs lbs lbs
			number number

SECTION 7 Did you or any family member catch any fish or giant clams for sale or family use, in 2008? (Do not include fish raised in captivity.)				
300	1 <input type="checkbox"/> YES - Complete this section	3 <input type="checkbox"/> NO - Go to SECTION		
1. Number of boats used for fishing			301	
	None	Total quantity caught in 2008	Quantity sold in 2008	Value of sales in 2008
2. Fish	<input type="checkbox"/>	302 Lbs	303 Lbs	304 \$
3. Giant Clams	<input type="checkbox"/>	302 Number	307 Number	308 \$
				305 309
				Lbs Number

SECTION 8 How much were your EXPENDITURES for each of the following in 2008?		
	None	Dollars only
1. Machine hire and customwork	<input type="checkbox"/>	310 \$ 00
2. Wages and salaries paid to employees or hired farm workers (DO NOT include housework or contract construction work.) Include cash payments only	<input type="checkbox"/>	311 \$ 00
3. Feed purchased for livestock and poultry - Include cost of grain, feed, concentrates, and roughage; also amount paid for grinding and mixing feed.	<input type="checkbox"/>	312 \$ 00
4. Insecticides, fungicides, and herbicides	<input type="checkbox"/>	313 \$ 00
5. Fertilizers and manure purchased	<input type="checkbox"/>	314 \$ 00
6. Livestock and poultry purchased	<input type="checkbox"/>	315 \$ 00
7. Seed cost - Include seedlings purchased.	<input type="checkbox"/>	316 \$ 00

SECTION 9 EQUIPMENT and FACILITIES

1. How many of the following pieces of EQUIPMENT are on this place? (Include all specified equipment on this place today, regardless of ownership, provided it is in operating condition.)

	None	Number
a. Tractors of all kinds	<input type="checkbox"/>	320
b. Motortrucks	<input type="checkbox"/>	321
c. Automobiles	<input type="checkbox"/>	322
d. Tillers of all kinds	<input type="checkbox"/>	323
e. Chain Saws	<input type="checkbox"/>	324
f. Weed Eaters	<input type="checkbox"/>	325
g. Mist Blowers	<input type="checkbox"/>	326
h. Knap Sack	<input type="checkbox"/>	327

2. Do you have the following FACILITIES on this place?

a. Electricity 1 ☐ YES 3 ☐ NO 328

b. Piped running water 1 ☐ YES 3 ☐ NO 329

SECTION 10 HOUSEHOLD CHARACTERISTICS

Name of family member (beginning with head of household)	Relationship to head of household	Age on last birthday	Sex 1-Male 3-Female	WFP ¹	Class of Work ²	Place of Birth ³	Citizen-ship ⁴	Resi-dence 5 years ago ⁵	Highest Level of Educ. ⁶	Days worked on Farm ⁷
	Head of Household	330	331	332	333	334	335	336	337	338
	339	340	341	342	343	344	345	346	347	348
	349	350	351	352	353	354	355	356	357	358
	359	360	361	362	363	364	365	366	367	368
	369	370	371	372	373	374	375	376	377	378
	379	380	381	382	383	384	385	386	387	388
	389	390	391	392	393	394	395	396	397	398
	399	400	401	402	403	404	405	406	407	408
	409	410	411	412	413	414	415	416	417	418
	419	420	421	422	423	424	425	426	427	428
	429	430	431	432	433	434	435	436	437	438
	439	440	441	442	443	444	445	446	447	448
	449	450	451	452	453	454	455	456	457	458
	459	460	461	462	463	464	465	466	467	468
	469	470	471	472	473	474	475	476	477	478
	479	480	481	482	483	484	485	486	487	488
	489	490	491	492	493	494	495	496	497	498

COMMENTS:

Enter the code for the following categories in the appropriate column above:

1 - WFP (Work Force Participation) in the last week:

- 1 - Worked for pay only
- 2 - Worked for pay/subsistence
- 3 - Worked for subsistence only
- 4 - Worked for in-kind pay
- 5 - None, on leave or vacation
- 6 - None - available and seeking work
- 7 - None - seeking work but unavailable
- 8 - None-not seeking work

2 - Class of Work-

- 1 - Government
- 2 - Private company or individual
- 3 - Self-employed

3 - Birthplace-

- 01 - American Samoa
- 02 - Western Samoa
- 03 - Tonga
- 04 - Fiji
- 05 - Other Pacific
- 06 - United States
- 07 - Australia
- 08 - New Zealand
- 09 - Korea
- 10 - ROC
- 11 - Philippines
- 12 - Other Asian Country
- 13 - Other

4 - Citizenship -

- 1 - US citizen
- 2 - US national
- 3 - Non-citizen/national permanent resident
- 4 - Non-citizen/national temporary resident

5 - Residence - 2004

- 01 - American Samoa
- 02 - Western Samoa
- 03 - Tonga
- 04 - Fiji
- 05 - Other Pacific
- 06 - United States
- 07 - Australia
- 08 - New Zealand
- 09 - Korea
- 10 - ROC
- 11 - Philippines
- 12 - Other Asian Country
- 13 - Other

6 - Highest Education Level

- List the highest grade completed. 01 through 12 are used for elementary through high school. 13 through 16 represent university, and 17 and above indicate graduate work.

7 - Days Worked on Farm

- 1 - 150 days or more
- 2 - 25 - 149 days
- 3 - Less than 25 days

INDEX

Item	Area tables	District/ county tables	Summary tables	Item	Area tables	District/ county tables	Summary tables
A				E-Con.			
Age of farm operator	3	21	25 - 28	Expenses	4	22	25 - 28
Agricultural products sold and used for family consumption	6	23	25 - 28	F			
Aquaculture	10	18	25 - 28	Facilities	5	19	25 - 28
Automobiles	5	19	25 - 28	Farm operators (see operators)			
Average size of farm	1, 2		25 - 28	Farms classified by:			
Avocados	8	16	25 - 28	Parcels or pieces of land	5	13	25 - 28
B				Selected equipment	5	19	25 - 28
Bananas (Fai Palagi)	8	16	25 - 28	Size of farm	2	12	25 - 28
Bananas (other varieties)	8	16	25 - 28	Source of financing	5	-	25 - 28
Beans, green	7	15	25 - 28	Specified facilities	5	19	25 - 28
Boats used for fishing	10	18	-	Tenure of operator	3	14	25 - 28
Breadfruits	8	15	25 - 28	Type of holding	5	13	25 - 28
C				Type of land ownership	5	24	25 - 28
Cabbage	7	15	25 - 28	Value of agricultural products sold (see also individual			
Cacao	8	15	25 - 28	products)	6	23	25 - 28
Cassava	7	15	25 - 28	Farms, number	1 - 10	11 - 24	25 - 28
Cattle and calves	9	17	25 - 28	Feed purchased	4	22	25 - 28
Chain saws	5	19	25 - 28	Fertilizer purchased	4	22	25 - 28
Chickens	9	17	25 - 28	Fish	10	18	25 - 28
Coconuts	8	16	25 - 28	Fish purchased	4	22	25 - 28
Corn	7	15	25 - 28	Fungicides purchased	4	22	25 - 28
Crayfish	10	18	25 - 28	G			
Cropland	1, 3	11	25 - 28	Giant clams	10	18	25 - 28
Used for crops	1	11, 14	25 - 28	Giant taro	7	15	25 - 28
Used for other purposes	1	11, 14	25 - 28	Grapefruits	8	16	25 - 28
Cucumbers	7	15	25 - 28	Green beans	7	15	25 - 28
E				Green onions	7	15	25 - 28
Eggplant	7	15	25 - 28	H			
Egg sales	9	17	25 - 28	Herbicides purchased	4	22	25 - 28
Electricity	5	19	25 - 28	Hogs and pigs	9	17	25 - 28
Equipment and facilities:				Horses	9	17	25 - 28
Automobiles	5	19	25 - 28	I			
Chain saws	5	19	25 - 28	Insecticides purchased	4	22	25 - 28
Electricity	5	19	25 - 28	K			
Knap sacks	5	19	25 - 28	Knap sacks	5	19	25 - 28
Mist blowers	5	19	25 - 28				
Motortrucks	5	19	25 - 28				
Piped running water	5	19	25 - 28				
Tillers of all kinds	5	19	25 - 28				
Tractors of all kinds	5	19	25 - 28				
Weed eaters	5	19	25 - 28				

Item	Area Tables	District/ county tables	Summary tables	District/ county tables	Area Tables	District/ county tables	Summary tables
L				P			
Land area	1	-	-	Paid labor	3, 4	20, 22	25 - 28
Land in farms	1 - 3, 5	11, 12, 14, 24	25 - 28	Papayas	8	16	25 - 28
Lemons	8	16	25 - 28	Pastureland	1	11	25 - 28
Limes	8	16	25 - 28	Pineapples	8	15	25 - 28
Livestock:				Piped running water	5	19	25 - 28
Inventory	9	17	25 - 28				
Number consumed by family	9	17	25 - 28	S			
Number sold	9	17	25 - 28	Sales of agricultural products			
Value of consumption	9	17	25 - 28	(see also individual products)	6	23	25 - 28
Value of sales	9	17	25 - 28	Seed costs	4	22	25 - 28
Livestock purchased (costs) . .	4	22	25 - 28	Shrimp	10	18	25 - 28
M				Size of farm	2	11	25 - 28
Machine hire (expenses)	4	22	25 - 28	Sugarcane	7	15	25 - 28
Machinery (see Equipment and Facilities)				T			
Mangoes	8	16	25 - 28	Taro	7	15	25 - 28
Melons	7	15	25 - 28	Tenure of operator	3	14	25 - 28
Mist blowers	5	19	25 - 28	Tilapia	10	-	-
Motortrucks	5	19	25 - 28	Tillers of all kinds	5	19	25 - 28
N				Tomatoes	7	15	25 - 28
Nursery products	8	16	25 - 28	Tractors	5	19	25 - 28
O				V			
Operator characteristics	3	21	25 - 28	Value of agricultural products	6	23	25 - 28
Operators by-				(see also individual products)	7	15	25 - 28
Age	3	21	25 - 28	Vegetables			
Labor status	3	20	25 - 28				
Sex	-	21	-	W	5	19	25 - 28
Tenure	3	14	25 - 28	Water, piped running	5	19	25 - 28
Years on present farm	3	21	25 - 28	Weed eaters	1	11	25 - 28
Oranges	8	16	25 - 28	Woodland			
Ornamental plants	8	16	25 - 28	Y	7	15	25 - 28
Other field crops and vegetables	7	15	25 - 28	Yams	3	21	25 - 28
Other fruits and nuts	8	16	25 - 28	Years on present farm			
Other land	1	11	25 - 28				
Other livestock	9	17	25 - 28				
Other poultry	9	17	25 - 28				