

Volume 1

Area Data

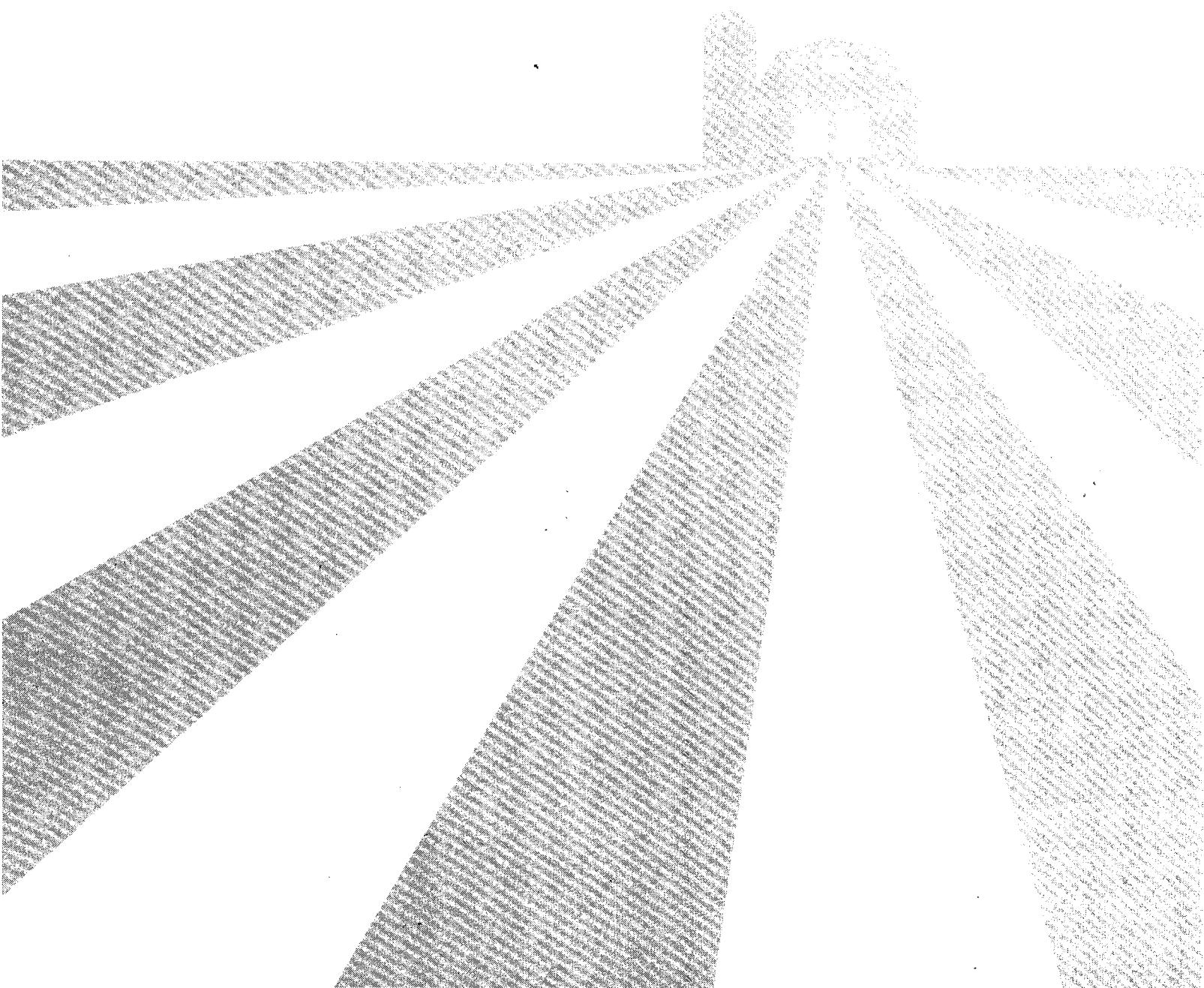
Part 56

**Northern
Mariana
Islands**

AC78-A-56

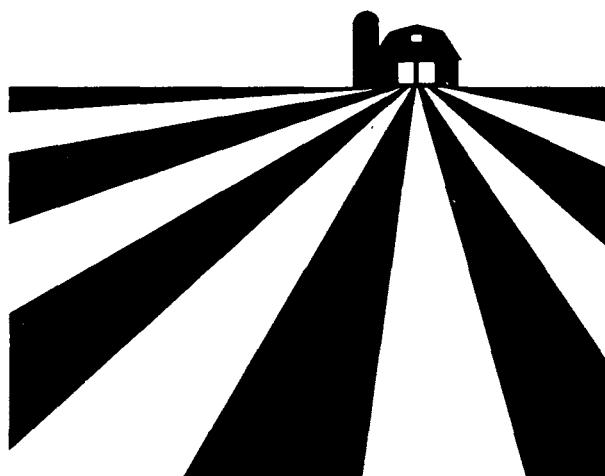
1978
CENSUS OF
AGRICULTURE

U.S. Department of Commerce
BUREAU OF THE CENSUS



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Part 56
**Northern
Mariana
Islands**

AC78-A-56

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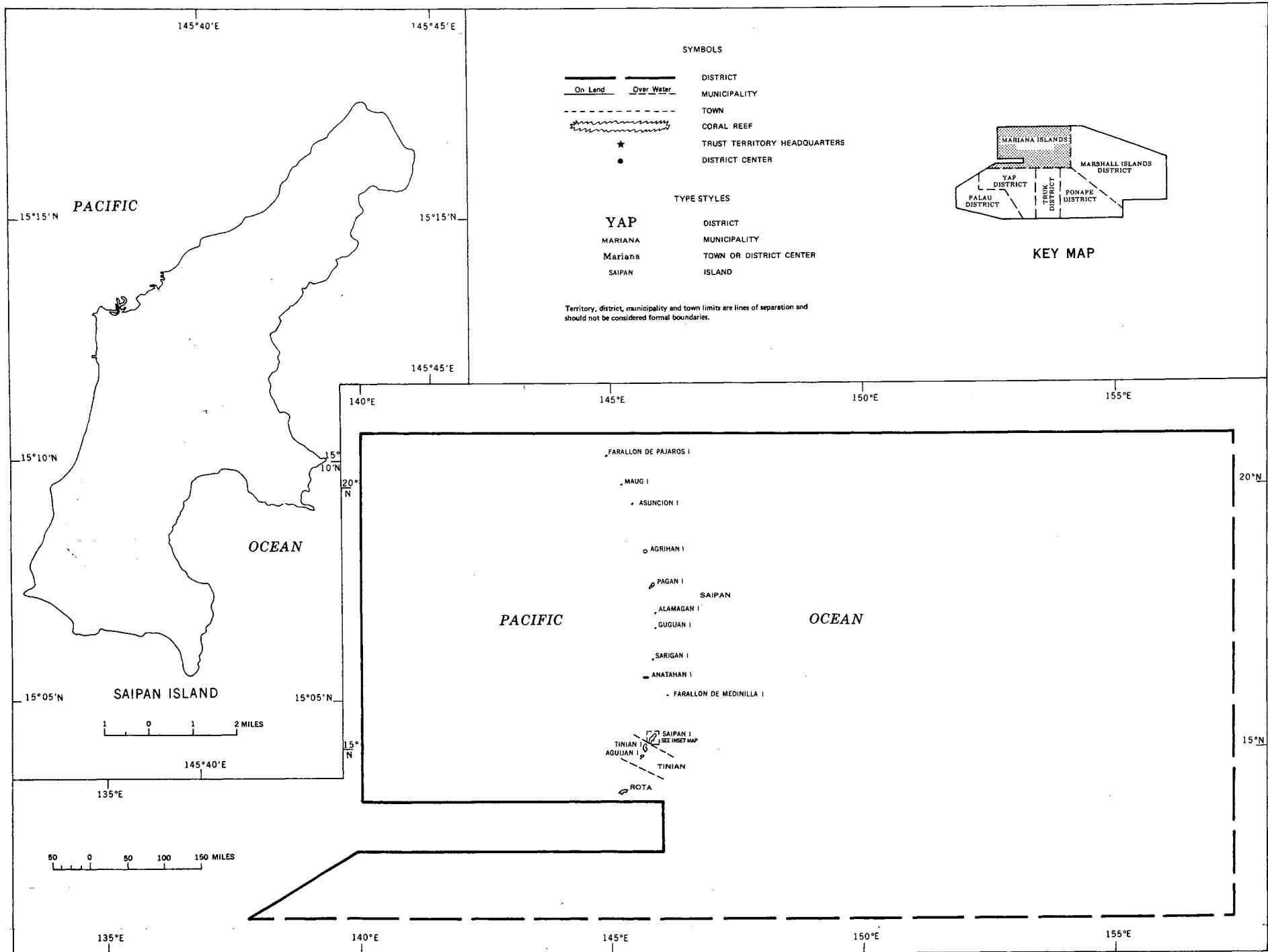
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NORTHERN MARIANA ISLANDS



INTRODUCTION

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HISTORY OF THE CENSUS

The 1980 Census of Agriculture for the Northern Mariana Islands is the second census to be taken by the U.S. Bureau of the Census. The first was taken in 1970 as part of the Census of the Trust Territory of the Pacific Islands.

The 1980 Census of Agriculture was enumerated in conjunction with the 1980 Population Census for the Northern Mariana Islands.

AUTHORITY AND AREA COVERED

The 1980 Census of Agriculture was taken in accordance with the provisions of title 13, United States Code—Census, codified August 31, 1954, as amended. Section 191 provides that the census data for the Northern Mariana Islands may be collected by the High Commissioner, or the highest ranking Federal official, in accordance with plans prescribed or approved by the Secretary of the U.S. Department of Commerce.

QUESTIONNAIRE

The questionnaire for the 1980 Census of Agriculture was prepared by the U.S. Bureau of the Census staff, in cooperation with the Government of the Northern Mariana Islands. It contained a total of 64 inquiries, most of which consisted of several parts. Selection and wording of the inquiries were based on current needs for agricultural information as well as on experience gained in earlier censuses.

Definitions and explanations for selected items are shown in appendix A and the 1980 questionnaire is shown in appendix B.

TRAINING PROGRAM FOR ENUMERATORS

Supervisors, assistant supervisors, and enumerators employed for the 1980 Censuses of Population and Housing and Agriculture in the Northern Mariana Islands received special training for the job. The training included practice interviewing, practice filling of questionnaires, and detailed discussion of the written instructions given to enumerators.

ENUMERATION

The statistics in this report represent totals of data collected from farm operators on April 1, 1980, or as near to that date as possible. For the enumeration, each area was divided into a number of Enumeration Districts (ED's), usually designed to include the number of housing units that can be interviewed by one enumerator in the time period allowed for the census. Usually one ED constituted the assignment of one enumerator. In some areas, two small ED's were assigned to one enumerator. The questionnaire which enumerators used for taking the 1980 Census of Population and Housing contained a section where the enumerator determined if an agriculture questionnaire should be completed. A "Yes" answer to any one of the five questions in this section meant an agriculture questionnaire must be filled out. The five questions were:

1. Does anyone living in this house operate a farm?
2. Does this place have 15 or more poultry (chickens, ducks, guineas, etc.)?
3. Does this place have five or more livestock (cattle, hogs, goats, etc.)?
4. Is there a combined total of 10 or more fruit, nut, or tree crops on this place?
5. Does this place have 100 square meters or more on which root or field crops or vegetables were harvested for sale during 1979?

If "No" was the answer to all of the above questions, the enumerator would end the interview. The enumerator was also instructed to ask enough questions about tracts of land on which no one lived to determine whether an agricultural questionnaire was required for the person in charge of the land. This instruction was designed to ensure enumeration of all land used for agriculture.

To avoid enumeration of the same place by two or more enumerators, the Census Bureau established rules whereby each enumerator could determine whether or not he/she was responsible for obtaining the questionnaire, regardless of where the person in charge of the operations lived. If a place was partly in one ED and partly in another, the enumerator for the ED in which the person in charge lived was responsible for obtaining the questionnaire. In such cases, he/she was to report on the questionnaire all the land that the person in charge operated, including the land outside his/her ED.

At the end of each interview for which the enumerator completed an agriculture questionnaire another screening question was asked. The question was, "Besides you does any other person living in this household produce or sell any crops,

livestock, or poultry?" This question was asked because two or more operators might live in the same household. A "Yes" answer to this question resulted in the enumerator asking the five screening questions again of all possible operators. If any of the five screening questions were answered "Yes" an additional questionnaire was filled for that particular operation.

FARM DEFINITION

The statistics presented in this report relate to places qualifying as census farms. For the 1980 Census of Agriculture in the Northern Mariana Islands, a farm was defined as "any place that has 15 or more poultry (chickens, ducks, guineas, etc.); 5 or more livestock (cattle, hogs, goats, etc.); a combined total of 10 or more fruit or nut trees or plants; or any place of 100 square meters or more on which roots or field crops or vegetables were harvested for sale during 1979."

OFFICE PROCESSING

Each enumerator's work was examined and checked for completeness by the Outlying Areas Statistics Branch of the Agriculture Division, Bureau of the Census, Washington, D.C. All questionnaires were individually edited prior to manual tabulation of the data. In the editing process, questionnaires for places that did not qualify as census farms were voided. The remaining questionnaires were then examined for accuracy, consistency, and completeness. Errors in calculations and units of measure, inconsistencies, and misplaced entries were corrected. Incomplete reports were adjusted on the basis of related information on the same questionnaire or on questionnaires for nearby farms of similar type and size.

In the coding process, numeral codes were entered on all questionnaires to classify farms by size in terms of total area, by tenure of operator, and by age of operator.

After the questionnaires had been edited and coded, the information on them was manually transferred to tabulation sheets. Subject matter specialists of the Outlying Areas Statistics Branch examined the tabulations for reasonableness and consistency. As necessary, corrections were made on the basis of a further reappraisal of the original reports prior to publication.

TABULAR PRESENTATION

The three major groups of tables presented in this report are:

Area—Tables 1 through 7 present data for major items of all farms in the Northern Mariana Islands. Some data in these tables are accompanied by historical data.

Municipality—Tables 8 through 20 present more detailed data for major items of all farms by municipalities. Totals are given for each municipality and for the Northern Mariana Islands as a whole.

Summary—Tables 21 through 23 show more detailed information for all farms. Data in these tables are classified by size of farm, and age and tenure of operator.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

- Zero.
- (D) Data withheld to avoid disclosing figures for individual farms or farm operations.
- (X) Not applicable.
- (Z) Less than half of the unit reported.
- (NA) Not available.

Table 1. Farms and Land in Farms by Land Use: 1980 and 1970

Item	Farms	Cropland			Pasture, except cropland pastured	Other land
		Used for crops	Used for cropland pastured			
Farms.....number, 1980..	299	280	146		129	132
1970..	284	255	112		99	94
Percent of farms.....1980..	(X)	93.6	48.8		43.1	44.1
1970..	(X)	89.8	39.4		34.9	33.1
Land in farms.....acres, 1980..	12,187	950	1,692		8,706	839
1970..	12,906	1,404	1,853		8,688	961
Percent distribution.....1980..	100.0	7.8	13.9		71.4	6.9
1970..	100.0	10.9	14.4		67.3	7.4

Table 2. Farms and Land in Farms by Size of Farm: 1980

(Detail does not always add to totals due to rounding)

Item	Total	Less than 1 acre	1 to 2 acres	3 to 4 acres	5 to 7 acres	8 to 9 acres	10 to 19 acres	20 to 39 acres	40 to 49 acres	50 acres or more
Farms.....number..	299	10	46	42	94	8	55	20	4	20
Percent of farms.....	100.0	3.3	15.4	14.0	31.4	2.7	18.4	6.7	1.3	6.7
Land in farms.....acres..	12,187	3	84	161	560	71	711	521	179	9,901
Percent distribution.....	100.0	(Z)	.7	1.3	4.6	.6	5.8	4.3	1.5	81.2
Average size of farm.....acres..	40.8	.3	1.8	3.8	6.0	8.9	12.9	26.1	44.8	495.1

Table 3. Operators--Tenure and Characteristics: 1980 and 1970

(Detail does not always add to totals due to rounding)

Item	1980	1970	Item	1980	1970
Farms and land in farms operated by--			Operators by place of residence:		
All operators.....farms..	299	284	On farm operated.....	103	100
acres..	12,187	12,906	Off farm operated.....	194	164
Used for crops.....farms..	280	255	Not reporting.....	2	20
acres..	950	1,404	Operators reporting days of work off farm: ¹		
Full owners.....farms..	226	230	None.....	54	58
acres..	1,818	2,051	1 to 99 days.....	105	84
Used for crops.....farms..	212	(NA)	1 to 49 days.....	74	(NA)
acres..	607	(NA)	50 to 99 days.....	31	(NA)
Part owners.....farms..	36	38	100 to 199 days.....	58	33
acres..	2,116	3,133	100 to 149 days.....	32	(NA)
Used for crops.....farms..	34	(NA)	150 to 199 days.....	26	(NA)
acres..	187	(NA)	200 days or more.....	64	96
Tenants.....farms..	37	16	Not reporting.....	18	13
acres..	8,253	7,722	Operators by main occupation:		
Used for crops.....farms..	34	(NA)	Farming.....number..	63	134
acres..	155	(NA)	acres..	9,632	(NA)
Operators by age group:			Other than farming.....number..	231	125
Under 25 years.....	16	5	acres..	2,524	(NA)
25 to 34 years.....	62	27	Not reporting.....number..	5	25
35 to 44 years.....	49	50	acres..	31	(NA)
45 to 54 years.....	65	87	Operators by years on farm:		
55 to 64 years.....	54	81	Less than 2 years.....	40	8
65 years and over.....	23	32	2 to 4 years.....	104	31
Not reporting.....	30	2	5 to 9 years.....	44	34
Average age.....	45	51	10 years or more.....	104	152
			Not reporting.....	7	59

¹Data are for 1979 and 1969.

Table 4. Farm Characteristics: 1980 and 1970

Item	1980	1970	Item	1980	1970
Selected equipment:			Farms by source of financing--Con.		
Tractors.....farms..	40	(NA)	Commercial:		
number..	60	(NA)	1 to 24 percent.....	-	(NA)
Motortrucks.....farms..	7	(NA)	25 to 49 percent.....	-	(NA)
number..	10	(NA)	50 to 74 percent.....	-	(NA)
Automobiles.....farms..	158	(NA)	75 to 99 percent.....	-	(NA)
number..	187	(NA)	100 percent.....	-	(NA)
Farms by selected facilities:			Government:		
Electricity.....	90	(NA)	1 to 24 percent.....	1	(NA)
Piped running water.....	143	(NA)	25 to 49 percent.....	-	(NA)
Farms by type of holding:			50 to 74 percent.....	-	(NA)
Home consumption.....	170	227	75 to 99 percent.....	-	(NA)
Sale.....	129	44	100 percent.....	1	(NA)
Crop.....	53	13			
Livestock and/or poultry.....	23	12			
Mixed.....	53	17			
Other.....	-	2			
Farms by source of financing:			Other sources:		
Operator:			1 to 24 percent.....	2	(NA)
1 to 24 percent.....	2	(NA)	25 to 49 percent.....	-	(NA)
25 to 49 percent.....	2	(NA)	50 to 74 percent.....	3	(NA)
50 to 74 percent.....	4	(NA)	75 to 99 percent.....	1	(NA)
75 to 99 percent.....	2	(NA)	100 percent.....	3	(NA)
100 percent.....	256	(NA)	Not reported.....	5	(NA)
Private:			Farms by tracts or pieces of land:		
1 to 24 percent.....	-	(NA)	1 tract.....	212	193
25 to 49 percent.....	-	(NA)	2 tracts.....	53	35
50 to 74 percent.....	3	(NA)	3 tracts or more.....	34	18
75 to 99 percent.....	2	(NA)	Not reporting.....	-	38
100 percent.....	23	(NA)			

Table 5. Vegetables and Field Crops: 1979 and 1969

Item	1979	1969	Item	1979	1969
Cassava.....farms..	30	21	Muskmelons.....farms..	8	(NA)
acres..	21	10	acres..	4	(NA)
pounds harvested..	41,960	7,660	pounds harvested..	11,350	(NA)
Chinese cabbage.....farms..	29	(NA)	Sweetpotatoes.....farms..	42	84
acres..	9	(NA)	acres..	19	37
pounds harvested..	27,610	(NA)	pounds harvested..	26,040	61,610
Corn.....farms..	14	55	Taro.....farms..	46	112
acres..	8	42	acres..	27	40
pounds harvested..	9,100	39,205	pounds harvested..	21,530	56,013
Cucumbers.....farms..	50	(NA)	Watermelons.....farms..	46	(NA)
acres..	29	(NA)	acres..	74	(NA)
pounds harvested..	92,880	(NA)	pounds harvested..	143,030	(NA)
Eggplant.....farms..	38	33	Yams.....farms..	29	83
acres..	13	10	acres..	12	59
pounds harvested..	28,348	19,910	pounds harvested..	12,760	76,013
Honeydews.....farms..	15	(NA)	Other vegetables and field crops.....farms..	23	(NA)
acres..	7	(NA)	acres..	19	(NA)
pounds harvested..	19,040	(NA)	pounds harvested..	32,330	(NA)
Melons.....farms..	27	(NA)			
acres..	10	(NA)			
pounds harvested..	22,400	(NA)			

Table 6. Fruits, Nuts, and Tree Crops: 1980 and 1970

Item	1980	1970	Item	1980	1970
Avocados.....farms..	99	97	Lemons.....farms..	159	(NA)
trees..	687	951	trees..	1,338	(NA)
pounds harvested ¹ ..	8,200	16,750	pounds harvested ¹ ..	6,990	(NA)
Bananas.....farms..	213	191	Limes.....farms..	28	(NA)
clusters..	19,871	16,169	trees..	122	(NA)
pounds harvested ¹ ..	85,989	86,597	pounds harvested ¹ ..	4,315	(NA)
Betelnuts.....farms..	100	(NA)	Mangoes.....farms..	148	107
trees..	6,860	(NA)	trees..	962	677
pounds harvested ¹ ..	12,536	(NA)	pounds harvested ¹ ..	37,750	40,260
Breadfruits.....farms..	104	105	Papayas.....farms..	136	(NA)
trees..	674	1,425	trees..	3,912	(NA)
pounds harvested ¹ ..	15,987	71,778	pounds harvested ¹ ..	33,756	(NA)
Coconuts.....farms..	230	234	Pineapples.....farms..	69	76
trees..	26,733	25,052	plants..	11,866	9,518
pounds harvested ¹ ..	181,479	258,569	fruits harvested ¹ ..	4,510	7,811
Coffee.....farms..	10	6	Star fruits.....farms..	41	(NA)
trees..	1,488	3,627	trees..	81	(NA)
pounds harvested ¹ ..	50	11,580	pounds harvested ¹ ..	3,355	(NA)
Green oranges.....farms..	95	112	Tangerines.....farms..	106	(NA)
trees..	633	876	trees..	917	(NA)
pounds harvested ¹ ..	8,925	21,090	pounds harvested ¹ ..	10,842	(NA)
Guavas.....farms..	59	(NA)	Other fruits, nuts, and tree crops.....farms..	12	(NA)
trees..	897	(NA)	trees or plants..	179	(NA)
pounds harvested ¹ ..	872	(NA)	pounds harvested ¹ ..	342	(NA)

¹Data for crops harvested are for 1979 and 1969.

Table 7. Livestock, Poultry, and Fish: 1980 and 1970

Item	1980	1970	Item	1980	1970
Carabaos.....farms..	1	1	Other livestock.....farms..	2	(NA)
number..	2	1	number..	17	(NA)
Cattle and calves.....farms..	113	152	Chickens.....farms..	186	204
number..	8,339	4,996	number..	9,432	7,433
Milk cows.....farms..	19	22	sold ¹ ..	54	372
number..	1,493	66	Other poultry.....farms..	30	13
Other cattle and calves.....farms..	109	149	number..	514	89
number..	6,846	4,930	Fish: ²		
Hogs and pigs.....farms..	161	120	Caught.....farms..	93	(NA)
number..	2,904	3,447	pounds..	38,230	(NA)
Goats and kids.....farms..	58	56	Sold	15	(NA)
number..	726	277	farms..	6,688	(NA)
Horses, mules, and colts.....farms..	2	3	pounds..	7,590	(NA)
number..	29	16	sales, dollars..		

¹Data are for 1979 and 1969.²Data are for 1979.

Table 8. Land Area, Farms, and Land in Farms, by Municipalities: 1980 and 1970

Area	Land area		Farms	Land in farms (acres)	
	Square miles	Acres		Total	Average size of farm
Northern Mariana Islands.....1980..	184	117,758	299	12,187	40.8
1970..	184	117,758	284	12,906	45.4
Northern Islands.....1980..	(NA)	(NA)	8	431	53.9
Rota.....1980..	(NA)	(NA)	77	1,635	21.2
Saipan.....1980..	(NA)	(NA)	137	1,684	12.3
Tinian.....1980..	(NA)	(NA)	77	8,437	109.6

Table 9. Farms and Land in Farms by Land Use and Municipalities: 1980 and 1970

(Detail does not always add to totals due to rounding)

Area	Farms					Land in farms (acres)				
	Cropland		Pasture, except cropland pastured	Other land	Total	Cropland		Pasture, except cropland pastured	Other land	
	Total	Used for crops				Total	Used for crops			
Northern Mariana Islands.....1980..	299	280	146	129	132	12,187	950	1,693	8,706	839
1970..	284	255	112	99	94	12,906	1,404	1,853	8,688	961
Northern Islands.....1980..	8	6	1	7	4	431	66	8	342	15
Rota.....1980..	77	73	43	33	15	1,635	335	275	992	33
Saipan.....1980..	137	129	56	46	72	1,684	330	211	958	185
Tinian.....1980..	77	72	46	43	41	8,437	219	1,199	6,414	606

Table 10. Farms and Land in Farms by Size of Farm and Municipalities: 1980

(Detail does not always add to totals due to rounding)

Area	Total	Less than 1 acre	1 to 2 acres	3 to 4 acres	5 to 7 acres	8 to 9 acres	10 to 19 acres	20 to 39 acres	40 to 49 acres	50 acres or more
F FARMS										
Northern Mariana Islands.....	299	10	46	42	94	8	55	20	4	20
Northern Islands.....	8	-	1	-	-	-	1	3	-	3
Rota.....	77	1	9	2	23	1	22	10	2	7
Saipan.....	137	7	36	39	29	4	12	4	1	5
Tinian.....	77	2	-	1	42	3	20	3	1	5
LAND IN FARMS (ACRES)										
Northern Mariana Islands.....	12,187	3	84	161	560	71	711	521	179	9,901
Northern Islands.....	431	-	2	-	-	-	13	75	-	341
Rota.....	1,635	(z)	21	8	129	10	290	277	93	809
Saipan.....	1,684	2	61	149	165	34	141	93	46	993
Tinian.....	8,437	1	-	4	266	27	267	76	40	7,758

Table 11. Farms and Land in Farms by Tenure of Operator and Municipalities: 1980 and 1970

Area	Farms				Land in farms (acres)			
	Total	Full owners	Part owners	Tenants	Total	Full owners	Part owners	Tenants
Northern Mariana Islands.....1980..	299	226	36	37	12,187	1,818	2,116	8,253
1970..	284	230	38	16	12,906	2,051	3,133	7,722
Northern Islands.....1980..	8	4	-	4	431	65	-	366
Rota.....1980..	77	51	20	6	1,635	437	1,087	111
Saipan.....1980..	137	116	7	14	1,684	847	793	44
Tinian.....1980..	77	55	9	13	8,437	469	236	7,732

Table 12. Selected Vegetables and Field Crops by Municipalities: 1979 and 1969

Area	Farms	Acres	Pounds harvested	Area	Farms	Acres	Pounds harvested	
CASSAVA								
Northern Mariana Islands...1979..	30	21	41,960	MELONS	Northern Mariana Islands...1979..	27	10	22,400
1969..	21	10	7,660	1969..	(NA)	(NA)	(NA)	
Northern Islands.....1979..	5	(D)	(D)	Northern Islands.....1979..	3	(D)	(D)	
Rota.....1979..	1	(D)	(D)	Rota.....1979..	6	2	2,900	
Saipan.....1979..	24	17	35,560	Saipan.....1979..	17	6	17,350	
Tinian.....1979..	-	-	-	Tinian.....1979..	1	(D)	(D)	
CHINESE CABBAGE								
Northern Mariana Islands...1979..	29	9	27,610	SWEETPOTATOES	Northern Mariana Islands...1979..	42	19	26,040
1969..	(NA)	(NA)	(NA)	1969..	84	37	61,610	
Northern Islands.....1979..	2	(D)	(D)	Northern Islands.....1979..	3	(D)	(D)	
Rota.....1979..	9	3	1,530	Rota.....1979..	14	9	6,150	
Saipan.....1979..	16	5	25,735	Saipan.....1979..	23	7	18,290	
Tinian.....1979..	2	(D)	(D)	Tinian.....1979..	2	(D)	(D)	
CUCUMBERS								
Northern Mariana Islands...1979..	50	29	92,880	TARO	Northern Mariana Islands...1979..	46	27	21,530
1969..	(NA)	(NA)	(NA)	1969..	112	40	56,013	
Northern Islands.....1979..	3	2	1,600	Northern Islands.....1979..	3	2	1,700	
Rota.....1979..	8	3	2,600	Rota.....1979..	14	7	2,960	
Saipan.....1979..	35	17	83,180	Saipan.....1979..	25	12	11,720	
Tinian.....1979..	4	7	5,500	Tinian.....1979..	4	6	5,150	
EGGPLANT								
Northern Mariana Islands...1979..	38	13	28,348	WATERMELONS	Northern Mariana Islands...1979..	46	74	143,030
1969..	33	10	19,910	1969..	(NA)	(NA)	(NA)	
Northern Islands.....1979..	2	(D)	(D)	Northern Islands.....1979..	4	2	4,050	
Rota.....1979..	6	4	10,530	Rota.....1979..	12	10	35,850	
Saipan.....1979..	29	7	15,918	Saipan.....1979..	22	13	29,130	
Tinian.....1979..	1	(D)	(D)	Tinian.....1979..	8	49	74,000	
YAMS								
Northern Mariana Islands...1979..	29	12	12,760	Northern Mariana Islands...1979..	29	59	76,013	
1969..	83	59	76,013	1969..	-	-	-	

Table 13. Selected Fruits, Nuts, and Tree Crops, by Municipalities: 1980 and 1970

Area	Farms	Trees	Pounds harvested ¹	Area	Farms	Trees	Pounds harvested ¹
AVOCADOS							
Northern Mariana Islands...1980..	99	687	8,200	Northern Mariana Islands...1980..	159	1,338	6,990
1970..	97	951	16,750	1970..	(NA)	(NA)	(NA)
LEMONS							
Northern Islands.....1980..	-	-	-	Northern Islands.....1980..	2	(D)	(D)
Rota.....1980..	35	413	1,610	Rota.....1980..	55	387	2,590
Saipan.....1980..	58	261	6,555	Saipan.....1980..	58	513	3,565
Tinian.....1980..	6	13	35	Tinian.....1980..	44	(D)	(D)
BANANAS							
Northern Mariana Islands...1980..	213	² 19,871	85,989	Northern Mariana Islands...1980..	28	122	4,315
1970..	191	² 16,169	86,597	1970..	(NA)	(NA)	(NA)
Northern Islands.....1980..	4	1,950	20,500	Northern Islands.....1980..	-	-	-
Rota.....1980..	54	4,174	4,515	Rota.....1980..	6	40	-
Saipan.....1980..	99	10,291	46,799	Saipan.....1980..	19	75	4,315
Tinian.....1980..	56	3,456	14,175	Tinian.....1980..	3	7	-
BETELNUTS							
Northern Mariana Islands...1980..	100	6,860	12,536	Northern Mariana Islands...1980..	148	962	37,750
1970..	(NA)	(NA)	(NA)	1970..	107	677	40,260
Northern Islands.....1980..	3	55	300	Northern Islands.....1980..	1	(D)	(D)
Rota.....1980..	18	1,089	1,410	Rota.....1980..	35	133	2,070
Saipan.....1980..	72	5,626	10,826	Saipan.....1980..	80	663	35,570
Tinian.....1980..	7	90	-	Tinian.....1980..	32	(D)	(D)
BREADFRUITS							
Northern Mariana Islands...1980..	104	674	15,987	Northern Mariana Islands...1980..	136	3,912	33,756
1970..	105	1,425	71,778	1970..	(NA)	(NA)	(NA)
Northern Islands.....1980..	2	(D)	(D)	Northern Islands.....1980..	1	(D)	(D)
Rota.....1980..	36	349	1,040	Rota.....1980..	24	(D)	(D)
Saipan.....1980..	53	208	11,997	Saipan.....1980..	75	2,168	24,801
Tinian.....1980..	13	(D)	(D)	Tinian.....1980..	36	1,135	3,315
COCONUTS							
Northern Mariana Islands...1980..	230	26,733	181,479	Northern Mariana Islands...1980..	69	³ 11,866	³ 4,510
1970..	234	25,052	258,569	1970..	76	³ 9,518	³ 7,811
Northern Islands.....1980..	4	4,300	38,000	Northern Islands.....1980..	4	920	920
Rota.....1980..	66	6,471	1,115	Rota.....1980..	18	2,548	192
Saipan.....1980..	101	11,887	133,444	Saipan.....1980..	32	7,883	3,348
Tinian.....1980..	59	4,075	8,920	Tinian.....1980..	15	515	50
GREEN ORANGES							
Northern Mariana Islands...1980..	95	633	8,925	Northern Mariana Islands...1980..	41	81	3,355
1970..	112	876	21,090	1970..	(NA)	(NA)	(NA)
Northern Islands.....1980..	2	(D)	(D)	Northern Islands.....1980..	-	-	-
Rota.....1980..	31	374	3,230	Rota.....1980..	7	16	75
Saipan.....1980..	37	133	2,540	Saipan.....1980..	30	61	3,280
Tinian.....1980..	25	(D)	(D)	Tinian.....1980..	4	4	-
GUAVAS							
Northern Mariana Islands...1980..	59	897	872	Northern Mariana Islands...1980..	106	917	10,842
1970..	(NA)	(NA)	(NA)	1970..	(NA)	(NA)	(NA)
Northern Islands.....1980..	-	-	-	Northern Islands.....1980..	-	-	-
Rota.....1980..	9	546	100	Rota.....1980..	44	588	3,510
Saipan.....1980..	40	325	737	Saipan.....1980..	41	215	7,222
Tinian.....1980..	10	26	35	Tinian.....1980..	21	114	110

¹Data are for 1979 and 1969.²Data are for clusters instead of trees.³Data are for plants and number of fruits instead of trees and pounds harvested respectively.

Table 14. Selected Livestock, Poultry, and Fish, by Municipalities: 1980 and 1970

Item	Northern Mariana Islands		Municipalities, 1980			
	1980	1970	Northern Islands	Rota	Saipan	Tinian
Cattle and calves.....farms..	113	152	8	42	47	16
number..	8,339	4,996	217	971	741	6,410
Cattle and calves, not including milk cows.....farms..	109	149	7	41	45	16
number..	6,846	4,930	213	751	727	5,155
Hogs and pigs.....farms..	161	120	8	36	88	29
number..	2,904	3,447	1,822	182	754	146
Goats and kids.....farms..	58	56	5	7	35	11
number..	726	277	296	19	252	159
Chickens.....farms..	186	204	8	52	81	45
number..	9,432	7,433	1,050	1,773	5,066	1,543
Chickens sold ¹farms..	5	10	-	2	3	-
number..	54	372	-	(D)	(D)	-
Other poultry.....farms..	30	13	5	-	21	4
number..	514	89	104	-	395	15
Fish caught ²farms..	93	(NA)	7	25	26	35
pounds..	38,230	(NA)	9,200	12,025	11,460	5,545
Fish sold ²farms..	15	(NA)	-	8	5	2
pounds..	6,688	(NA)	-	5,013	1,375	300
dollars..	7,590	(NA)	-	5,670	1,585	335

¹Data are for 1979 and 1969.²Data are for 1979.

Table 15. Operators Reporting Off-Farm Work by Municipalities: 1979 and 1969

Area	All operators	Days of off-farm work										Not reported
		Operators reported	None	1 to 99	1 to 49	50 to 99	100 to 199	100 to 149	100 to 199	150 or more	200	
Northern Mariana Islands.....1979..	299	281	54	105	74	31	58	32	26	64	18	
1969..	284	271	58	84	(NA)	(NA)	33	(NA)	(NA)	96	13	
Northern Islands.....1979..	8	8	8	-	-	-	-	-	-	-	-	
Rota.....1979..	77	77	7	23	8	15	31	19	12	16	-	
Saipan.....1979..	137	120	37	51	43	8	12	5	7	20	17	
Tinian.....1979..	77	76	2	31	23	8	15	8	7	28	1	

Table 16. Farms With Tracts or Pieces of Land on Place by Municipalities: 1980 and 1970

Area	Farms	1 tract	2 tracts	3 tracts or more	Not reported
Northern Mariana Islands.....1980..	299	212	53	34	-
1970..	246	193	35	18	38
Northern Islands.....1980..	8	8	-	-	-
Rota.....1980..	77	54	16	7	-
Saipan.....1980..	137	93	21	23	-
Tinian.....1980..	77	57	16	4	-

Table 17. Operator Characteristics by Municipalities: 1980 and 1970

Item	Northern Mariana Islands		Municipalities, 1980			
	1980	1970	Northern Islands	Rota	Saipan	Tinian
Operators by place of residence.....	297	264	8	77	135	77
On farm.....	103	100	2	3	80	18
Off farm.....	194	164	6	74	55	59
Not reported.....	2	20	-	-	2	-
Operators by years on farm.....	292	225	7	77	131	77
Less than 2 years.....	40	8	-	7	21	12
2 to 4 years.....	104	31	1	24	34	45
5 to 9 years.....	44	34	2	4	33	5
10 years or more.....	104	152	4	42	43	15
Not reported.....	7	59	1	-	6	-
Operators by age.....	269	282	7	75	123	64
Under 25 years.....	16	5	-	3	11	2
25 to 34 years.....	62	27	3	17	20	22
35 to 44 years.....	49	50	2	14	17	16
45 to 54 years.....	65	87	1	18	36	10
55 to 64 years.....	54	81	1	15	27	11
65 years and over.....	23	32	-	8	12	3
Average age (years).....	45	51	42	46	46	42
Not reported.....	30	2	1	2	14	13
Operators by main occupation.....	294	259	8	77	133	76
Farming.....	63	134	6	16	32	9
Other than farming.....	231	125	2	61	101	67
Not reported.....	5	25	-	-	4	1

Table 18. Farms by Source of Financing by Municipalities: 1980

Item	Northern Mariana Islands	Municipalities			
		Northern Islands	Rota	Saipan	Tinian
Percent operator financed:					
100.....	256	8	77	97	74
75 to 99.....	2	-	-	2	-
50 to 74.....	4	-	-	2	2
25 to 49.....	2	-	-	1	1
1 to 24.....	2	-	-	2	-
Percent private financed:					
100.....	23	-	-	23	-
75 to 99.....	2	-	-	2	-
50 to 74.....	3	-	-	3	-
25 to 49.....	-	-	-	-	-
1 to 24.....	-	-	-	-	-
Percent commercial financed:					
100.....	-	-	-	-	-
75 to 99.....	-	-	-	-	-
50 to 74.....	-	-	-	-	-
25 to 49.....	-	-	-	-	-
1 to 24.....	-	-	-	-	-
Percent government financed:					
100.....	1	-	-	1	-
75 to 99.....	-	-	-	-	-
50 to 74.....	-	-	-	-	-
25 to 49.....	-	-	-	-	-
1 to 24.....	1	-	-	1	-
Percent financed by other sources:					
100.....	3	-	-	3	-
75 to 99.....	1	-	-	1	-
50 to 74.....	3	-	-	-	3
25 to 49.....	-	-	-	-	-
1 to 24.....	2	-	-	2	-
Source not reported.....	5	-	-	5	-

Table 19. Farms by Type of Holding by Municipalities: 1980 and 1970

Area	Holdings for home consumption	Holdings producing for sale				
		Total	Crop	Livestock and/or poultry	Mixed	Other
Northern Mariana Islands.....	1980..	170	129	53	23	53
	1970..	227	44	13	12	17
Northern Islands.....	1980..	-	8	1	4	3
Rota.....	1980..	53	24	2	6	16
Saipan.....	1980..	64	73	41	7	25
Tinian.....	1980..	53	24	9	6	9

Table 20. Selected Equipment and Facilities by Municipalities: 1980

Item	Northern Mariana Islands	Municipalities			
		Northern Islands	Rota	Saipan	Tinian
Tractors (all kinds).....	farms..	40	-	12	26
	number..	60	-	15	37
Motortrucks.....	farms..	7	-	-	6
	number..	10	-	-	8
Automobiles.....	farms..	158	-	37	62
	number..	187	-	39	75
Farms by specified facilities:					
Electricity.....		90	-	1	73
No electricity.....		209	8	76	64
Piped running water.....		143	-	34	91
No piped running water.....		156	8	43	46

Table 21. Summary by Size of Farm: 1980

(Detail does not always add to totals due to rounding)

Item	Total	Less than 1 acre	1 to 2 acres	3 to 4 acres	5 to 7 acres	8 to 9 acres	10 to 19 acres	20 to 39 acres	40 to 49 acres	50 acres or more
F FARMS AND LAND IN FARMS										
Farms.....number..	299	10	46	42	94	8	55	20	4	20
Percent of farms reported.....	100.0	3.3	15.4	14.0	31.4	2.7	18.4	6.7	1.3	6.7
Land in farms.....acres..	12,187	3	84	161	560	71	711	521	179	9,901
Percent distribution.....	100.0	(2)	0.7	1.3	4.6	0.6	5.8	4.3	1.5	81.2
Average size of farm.....acres..	40.8	0.3	1.8	3.8	6.0	8.9	12.9	26.1	44.8	495.1
L LAND USE										
Cropland.....farms..	289	9	45	41	93	8	54	18	4	17
acres..	2,643	3	62	115	375	35	470	180	59	1,343
Used for crops.....farms..	280	9	43	40	89	8	53	18	4	16
acres..	950	3	53	78	218	22	253	91	18	215
Used for pasture.....farms..	146	1	13	19	51	5	34	10	3	10
acres..	1,693	(2)	8	37	157	14	217	92	41	1,128
Pastureland, except cropland pastured.....farms..	129	3	13	8	33	5	27	17	4	19
acres..	8,706	(2)	11	10	90	13	175	317	121	7,970
Other land.....farms..	132	-	16	25	48	5	22	3	-	13
acres..	839	-	11	36	94	22	64	24	-	588
T TENURE OF OPERATOR										
Owners.....farms..	262	9	38	35	90	8	47	18	4	13
acres..	3,934	3	69	135	535	70	604	470	179	1,868
Full owners.....farms..	226	9	38	33	89	7	35	9	2	4
acres..	1,818	3	69	128	530	62	432	213	86	295
Part owners.....farms..	36	-	-	2	1	1	12	9	2	9
acres..	2,116	-	-	7	5	8	172	257	93	1,573
Tenants.....farms..	37	1	8	7	4	-	8	2	-	7
acres..	8,253	1	15	26	24	-	105	50	-	8,033
O OPERATOR CHARACTERISTICS										
Operators by place of residence:										
On farm operated.....	103	6	21	23	26	4	12	5	-	6
Off farm operated.....	194	4	24	18	68	4	43	15	4	14
Not reported.....	2	-	1	1	-	-	-	-	-	-
Operators by years operating farm:										
Less than 2 years.....	40	1	10	4	13	1	8	1	-	2
2 to 4 years.....	104	3	11	10	53	4	15	5	-	3
5 to 9 years.....	44	3	5	12	11	-	6	3	1	3
10 years or more.....	104	3	18	14	16	2	26	11	3	11
Not reported.....	7	-	2	2	1	1	-	-	-	1
Operators by age group:										
Under 25 years.....	16	-	7	3	6	-	-	-	-	-
25 to 34 years.....	62	1	6	6	28	1	13	4	1	2
35 to 44 years.....	49	3	8	2	14	3	11	4	2	2
45 to 54 years.....	65	3	7	16	15	3	12	4	1	4
55 to 64 years.....	54	2	9	8	13	-	13	4	-	5
65 years and over.....	23	-	4	4	4	-	4	2	-	5
Not reported.....	30	1	5	3	14	1	2	2	-	2
Operators by main occupation:										
Agricultural.....number..	63	1	10	9	12	3	11	6	-	11
acres..	9,632	1	19	38	67	26	149	150	-	9,183
Nonagricultural.....number..	231	9	35	31	81	5	43	14	4	9
acres..	2,524	3	62	115	486	45	545	370	179	719
Not reported.....number..	5	-	1	2	1	-	1	-	-	-
acres..	31	-	2	8	6	-	15	-	-	-
Operators by days of work off farm:¹										
None.....	54	3	15	7	8	1	8	5	-	7
1 to 49 days.....	74	3	9	12	30	1	12	2	1	4
50 to 99 days.....	31	-	3	4	12	1	5	1	-	5
100 to 149 days.....	32	-	4	3	10	3	7	4	-	1
150 to 199 days.....	26	1	3	4	9	-	6	2	1	-
200 days or more.....	64	3	9	5	20	1	15	6	2	3
Not reported.....	18	-	3	7	5	1	2	-	-	-
TRACTS OR PIECES OF LAND										
F FARMS BY TYPE OF HOLDING										
For home consumption.....	170	6	25	22	70	4	28	9	2	4
For sale.....	129	4	21	20	24	4	27	11	2	16
Crop holding.....	53	2	11	11	11	2	10	3	-	3
Livestock and/or poultry holding.....	23	1	1	2	3	1	2	5	-	8
Mixed holding.....	53	1	9	7	10	1	15	3	2	5
Other.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 21. Summary by Size of Farm: 1980-Con.

(Detail does not always add to totals due to rounding)

Item	Total	Less than 1 acre	1 to 2 acres	3 to 4 acres	5 to 7 acres	8 to 9 acres	10 to 19 acres	20 to 39 acres	40 to 49 acres	50 acres or more
SOURCE OF FINANCING										
Farm operation financed by--										
Operator:										
1 to 24 percent.....	2	-	1	1	-	-	-	-	-	-
25 to 49 percent.....	2	-	-	1	1	-	-	-	-	-
50 to 74 percent.....	4	-	2	-	1	-	1	-	-	-
75 to 99 percent.....	2	-	-	-	2	-	-	-	-	-
100 percent.....	256	9	38	26	82	8	52	20	3	18
Private:										
1 to 24 percent.....	-	-	-	-	-	-	-	-	-	-
25 to 49 percent.....	-	-	-	-	-	-	-	-	-	-
50 to 74 percent.....	3	-	2	1	-	-	-	-	-	-
75 to 99 percent.....	2	-	1	-	-	-	-	-	1	-
100 percent.....	23	-	3	9	7	-	2	-	-	2
Commercial:										
1 to 24 percent.....	-	-	-	-	-	-	-	-	-	-
25 to 49 percent.....	-	-	-	-	-	-	-	-	-	-
50 to 74 percent.....	-	-	-	-	-	-	-	-	-	-
75 to 99 percent.....	-	-	-	-	-	-	-	-	-	-
100 percent.....	-	-	-	-	-	-	-	-	-	-
Government:										
1 to 24 percent.....	1	-	-	-	1	-	-	-	-	-
25 to 49 percent.....	-	-	-	-	-	-	-	-	-	-
50 to 74 percent.....	-	-	-	-	-	-	-	-	-	-
75 to 99 percent.....	-	-	-	-	-	-	-	-	-	-
100 percent.....	1	-	-	1	-	-	-	-	-	-
Other:										
1 to 24 percent.....	2	-	-	-	1	-	-	-	1	-
25 to 49 percent.....	-	-	-	-	-	-	-	-	-	-
50 to 74 percent.....	3	-	-	-	2	-	1	-	-	-
75 to 99 percent.....	1	-	-	1	-	-	-	-	-	-
100 percent.....	3	1	-	2	-	-	-	-	-	-
Source not reported.....	5	-	2	2	1	-	-	-	-	-
SELECTED VEGETABLES AND FIELD CROPS¹										
Cassava.....	30	1	5	3	7	2	3	4	-	5
farms..	21	(z)	1	2	4	(z)	1	7	-	5
acres..										
pounds harvested..	41,960	30	1,500	5,830	6,600	1,200	6,500	12,600	-	7,700
Chinese cabbage.....	29	1	2	3	7	3	4	3	1	5
farms..	9	(z)	2	1	1	1	2	1	(z)	2
acres..										
pounds harvested..	27,610	15	13,300	520	2,525	600	5,230	4,100	200	1,120
Cucumbers.....	50	1	8	6	11	3	8	5	1	7
farms..	29	(z)	2	7	8	1	3	2	(z)	4
acres..										
pounds harvested..	92,880	50	7,200	18,650	24,100	10,400	6,530	9,900	300	15,750
Eggplant.....	38	1	5	4	9	3	7	2	1	6
farms..	13	(z)	1	1	2	1	5	1	(z)	3
acres..										
pounds harvested..	28,348	20	1,380	750	5,790	4,008	11,150	2,650	50	2,550
Melons.....	27	1	4	3	5	1	6	5	-	2
farms..	10	(z)	1	1	1	1	2	2	-	1
acres..										
pounds harvested..	22,400	50	850	1,800	3,800	2,300	4,150	4,950	-	4,500
Sweetpotatoes.....	42	1	6	5	11	-	12	2	2	3
farms..	19	(z)	1	1	6	-	8	1	1	2
acres..										
pounds harvested..	26,040	500	1,840	3,850	8,700	-	3,950	700	900	5,600
Taro.....	46	1	2	6	15	2	9	4	2	5
farms..	27	(z)	(z)	4	6	4	4	2	1	6
acres..										
pounds harvested..	21,530	100	800	5,900	3,180	4,100	2,950	1,000	600	2,900
Watermelons.....	46	1	2	7	7	2	17	3	-	7
farms..	74	(z)	1	6	4	1	53	2	-	9
acres..										
pounds harvested..	143,030	70	1,200	13,250	9,125	2,250	93,235	1,650	-	22,250
Yams.....	29	-	3	3	8	-	7	5	-	3
farms..	12	-	(z)	1	2	-	2	3	-	3
acres..										
pounds harvested..	12,760	-	1,000	1,360	1,450	-	2,900	2,600	-	3,450
SELECTED FRUIT, NUT, AND TREE CROPS										
Avocados.....	99	1	16	19	23	3	23	10	1	3
farms..	687	3	43	130	270	62	116	45	1	17
trees..										
pounds harvested ² ..	8,200	80	580	2,775	1,935	130	1,660	940	-	100
Bananas.....	213	7	31	33	74	7	35	12	3	11
farms..	19,871	928	2,665	2,814	4,693	1,357	2,842	828	215	3,529
clusters..										
pounds harvested ² ..	85,989	710	13,135	16,854	13,060	490	15,610	3,220	1,500	21,410
Betelnuts.....	100	3	18	24	25	2	17	5	1	5
farms..	6,860	11	722	1,125	2,445	128	438	920	7	1,064
trees..										
pounds harvested ² ..	12,536	35	770	1,838	4,860	60	2,073	1,590	10	1,300
Breadfruits.....	104	1	19	23	20	4	19	10	-	8
farms..	674	7	73	68	107	67	171	91	-	90
trees..										
pounds harvested ² ..	15,987	-	3,395	2,022	1,530	240	2,690	3,500	-	2,610

See footnotes at end of table.

Table 21. Summary by Size of Farm: 1980—Con.

(Detail does not always add to totals due to rounding)

Item	Total	Less than 1 acre	1 to 2 acres	3 to 4 acres	5 to 7 acres	8 to 9 acres	10 to 19 acres	20 to 39 acres	40 to 49 acres	50 acres or more
SELECTED FRUIT, NUT, AND TREE CROPS--Con.										
Coconuts.....	farms..	230	6	33	30	77	6	46	16	3
	trees..	26,733	88	1,936	3,505	6,412	902	5,735	2,035	380
	pounds harvested ² ..	181,479	120	28,150	25,449	26,955	580	49,660	17,545	4,000
Green oranges.....	farms..	95	2	14	12	25	3	23	8	3
	trées..	633	7	107	48	167	7	155	32	18
	pounds harvested ² ..	8,925	50	810	480	935	-	2,340	1,310	500
Guavas.....	farms..	59	-	12	7	18	3	11	6	-
	trees..	897	-	93	88	80	11	76	45	-
	pounds harvested ² ..	872	-	232	105	180	-	95	130	-
Lemons.....	farms..	159	4	23	15	57	4	30	13	3
	trees..	1,338	34	327	50	396	37	253	78	18
	pounds harvested ² ..	6,990	115	1,575	440	955	75	1,460	995	100
Limes.....	farms..	28	1	3	9	8	-	3	3	-
	trees..	122	1	10	36	47	-	8	17	-
	pounds harvested ² ..	4,315	10	500	500	780	-	-	2,500	-
Mangoes.....	farms..	148	1	23	24	49	3	26	10	2
	trees..	962	2	124	119	209	80	303	72	5
	pounds harvested ² ..	37,750	10	2,265	3,465	4,805	180	9,975	11,750	-
Papayas.....	farms..	136	3	22	20	42	5	27	8	3
	trees..	3,912	34	655	602	898	110	927	310	104
	pounds harvested ² ..	33,756	200	2,632	5,791	13,160	906	7,635	1,135	297
Pineapples.....	farms..	69	1	12	9	19	4	12	5	2
	plants..	11,866	3	671	1,587	3,691	630	1,222	1,962	300
	fruits harvested ² ..	4,510	6	207	710	81	626	330	1,780	-
Star fruits.....	farms..	41	-	7	8	11	2	7	3	-
	trees..	81	-	13	19	17	2	16	8	-
	pounds harvested ² ..	3,355	-	1,440	315	665	-	645	210	-
Tangerines.....	farms..	106	2	14	14	35	3	20	11	2
	trees..	917	6	73	57	479	15	121	108	13
	pounds harvested ² ..	10,842	100	675	482	3,295	-	1,080	4,210	200
SELECTED LIVESTOCK, POULTRY, AND FISH										
Cattle and calves.....	farms..	113	1	13	16	25	1	20	16	4
	number..	8,339	1	64	69	106	7	220	310	61
Milk cows.....	farms..	19	-	3	2	5	-	1	2	4
	number..	1,493	-	7	2	11	-	16	15	5
All other cattle and calves.....	farms..	109	1	11	16	24	1	20	16	4
	number..	6,846	1	57	67	95	7	204	295	56
Hogs and pigs.....	farms..	161	4	24	29	42	5	28	13	3
	number..	2,904	18	215	152	257	54	226	622	17
Goats and kids.....	farms..	58	1	8	12	14	2	9	6	-
	number..	726	1	106	88	97	19	109	70	-
Chickens.....	farms..	186	7	26	24	58	3	34	17	2
	number..	9,432	116	1,077	1,431	2,067	135	1,434	1,057	150
	number sold..	54	15	2	4	-	-	3	-	30
Other poultry.....	farms..	30	2	5	7	4	2	4	3	3
	number..	514	6	48	62	50	24	86	61	-
Fish ¹	farms..	93	1	12	8	34	3	20	9	-
	pounds caught..	38,230	550	5,230	2,790	10,940	550	8,295	5,925	-
	farms..	15	-	2	1	7	-	4	1	-
	pounds sold..	6,688	-	1,525	150	3,413	-	1,400	200	-
	sales, dollars..	7,590	-	1,525	135	4,055	-	1,575	300	-
SELECTED EQUIPMENT AND FACILITIES										
Tractors.....	farms..	40	1	7	5	10	2	7	4	-
	number..	60	1	8	6	14	5	9	5	-
Motortrucks.....	farms..	7	-	2	1	1	1	1	-	1
	number..	10	-	3	2	1	1	1	-	2
Automobiles.....	farms..	158	3	24	16	51	6	35	8	2
	number..	187	3	27	19	59	8	40	10	4
Electricity.....	farms..	90	6	18	23	20	3	12	3	-
Piped running water.....	farms..	143	8	26	25	34	5	22	11	1

¹Data are for 1979.²Data are for crops harvested in 1979.

Table 22. Summary by Tenure of Operator: 1980

(Detail does not always add to totals due to rounding)

Item	Total	Full owners	Part owners	Tenants	Item	Total	Full owners	Part owners	Tenants
F FARMS AND LAND IN FARMS									
Farms.....number..	299	226	36	37	F FARMS BY TYPE OF HOLDING				
Percent of farms reported.....	100.0	75.6	12.0	12.4	For home consumption.....	170	139	16	15
Land in farms.....acres..	12,187	1,818	2,116	8,253	For sale.....	129	87	20	22
Percent distribution.....	100.0	14.9	17.4	67.7	Crop holding.....	53	39	6	8
Average size of farm.....acres..	40.8	8.0	58.8	223.1	Livestock and/or poultry holding.....	23	13	5	5
L LAND USE									
Cropland.....farms..	289	219	35	35	Mixed holding.....	53	35	9	9
acres..	2,643	1,050	397	1,194	Other.....	-	-	-	-
Used for crops.....farms..	280	212	34	34	S SOURCE OF FINANCING				
acres..	950	607	187	155	Farm operation financed by--				
Used for pasture.....farms..	146	109	24	13	Operator:				
acres..	1,693	443	210	1,039	1 to 24 percent.....	2	1	1	-
Pastureland, except cropland					25 to 49 percent.....	2	1	-	1
pastured.....farms..	129	86	29	14	50 to 74 percent.....	4	2	1	1
acres..	8,706	516	1,683	6,507	75 to 99 percent.....	2	2	-	-
Other land.....farms..	132	100	10	22	100 percent.....	256	191	34	31
acres..	839	251	36	552	P PRIVATE:				
F FARMS BY SIZE									
Less than 1 acre.....farms..	10	9	-	1	1 to 24 percent.....	-	-	-	-
acres..	3	3	-	1	25 to 49 percent.....	-	-	-	-
1 to 2 acres.....farms..	46	38	-	8	50 to 74 percent.....	3	2	-	1
acres..	84	69	-	15	75 to 99 percent.....	2	2	-	-
3 to 4 acres.....farms..	42	33	2	7	100 percent.....	23	22	-	1
acres..	161	128	7	26	C COMMERCIAL:				
5 to 7 acres.....farms..	94	89	1	4	1 to 24 percent.....	-	-	-	-
acres..	560	530	5	24	25 to 49 percent.....	-	-	-	-
8 to 9 acres.....farms..	8	7	1	-	50 to 74 percent.....	-	-	-	-
acres..	71	62	8	-	75 to 99 percent.....	-	-	-	-
10 to 19 acres.....farms..	55	35	12	8	100 percent.....	1	1	-	-
acres..	711	432	172	105	G GOVERNMENT:				
20 to 39 acres.....farms..	20	9	9	2	1 to 24 percent.....	-	-	-	-
acres..	521	213	257	50	25 to 49 percent.....	-	-	-	-
40 to 49 acres.....farms..	4	2	2	-	50 to 74 percent.....	-	-	-	-
acres..	179	86	93	-	75 to 99 percent.....	-	-	-	-
50 acres or more.....farms..	20	4	9	7	100 percent.....	1	1	-	-
acres..	9,901	295	1,573	8,033	O OTHER:				
OPERATOR CHARACTERISTICS									
Operators by place of residence:					1 to 24 percent.....	2	2	-	-
On farm operated.....	103	82	9	12	25 to 49 percent.....	-	-	-	-
Off farm operated.....	194	144	27	23	50 to 74 percent.....	-	-	-	-
Not reported.....	2	-	-	2	75 to 99 percent.....	-	-	-	-
SELECTED VEGETABLES AND FIELD CROPS¹									
Cassava.....farms..					Source not reported.....	5	4	-	1
acres..					Cassava.....farms..	30	22	3	5
pounds harvested..					acres..	21	15	3	3
Chinese cabbage.....farms..					pounds harvested..	41,960	32,060	7,200	2,700
acres..					Chinese cabbage.....farms..	29	18	8	3
acres..					acres..	9	6	2	1
Cucumbers.....farms..					pounds harvested..	27,610	25,610	1,780	220
acres..					acres..	50	32	10	8
acres..					pounds harvested..	92,880	62,930	22,850	7,100
Melons.....farms..					acres..	29	15	5	8
acres..					pounds harvested..	22,400	13,000	6,950	2,450
Sweetpotatoes.....farms..					acres..	42	32	3	7
acres..					pounds harvested..	19	16	1	2
Eggplant.....farms..					pounds harvested..	26,040	21,090	1,500	3,450
acres..					acres..	38	26	6	6
pounds harvested..					acres..	13	7	2	4
Melons.....farms..					pounds harvested..	28,348	11,388	4,810	12,150
acres..					acres..	27	17	5	5
Sweetpotatoes.....farms..					acres..	10	7	1	2
acres..					pounds harvested..	22,400	13,000	6,950	2,450
pounds harvested..					acres..	42	32	3	7
acres..					pounds harvested..	19	16	1	2
pounds harvested..					pounds harvested..	26,040	21,090	1,500	3,450
Taro.....farms..					acres..	27	20	3	3
acres..					pounds harvested..	21,530	16,830	1,700	3,000
Watermelons.....farms..					acres..	46	29	9	8
acres..					pounds harvested..	74	19	22	34
pounds harvested..					pounds harvested..	143,030	37,030	43,450	62,550
Yams.....farms..					acres..	29	20	4	5
acres..					pounds harvested..	12,760	8,160	2,750	1,850
SELECTED FRUIT, NUT, AND TREE CROPS									
Avocados.....farms..					pounds harvested ² ..	99	78	14	7
trees..					pounds harvested ² ..	687	604	69	14
Bananas.....farms..					pounds harvested ² ..	8,200	6,885	720	595
clusters..					pounds harvested ² ..	19,871	14,246	2,949	2,676
pounds harvested ² ..					pounds harvested ² ..	85,989	58,034	10,135	17,820
TRACTS OR PIECES OF LAND									
Farms with--									
1 tract.....	212	176	5	31					
2 tracts.....	53	30	20	3					
3 tracts or more.....	34	20	11	3					

See footnotes at end of table.

Table 22. Summary by Tenure of Operator: 1980-Con.

(Detail does not always add to totals due to rounding)

Item	Total	Full owners	Part owners	Tenants	Item	Total	Full owners	Part owners	Tenants					
SELECTED FRUIT, NUT, AND TREE CROPS--Con.														
Betelnuts.....farms..	100	83	8	9	SELECTED LIVESTOCK, POULTRY, AND FISH									
trees..	6,860	5,709	1,038	113	Cattle and calves.....farms..	113	72	27	14					
pounds harvested ² ..	12,536	11,096	1,080	360	number..	8,339	595	1,425	6,319					
Breadfruits.....farms..	104	80	13	11	Milk cows.....farms..	19	12	5	2					
trees..	674	471	147	56	number..	1,493	37	197	1,259					
pounds harvested ² ..	15,987	9,522	3,225	3,240	All other cattle and calves.....farms..	109	69	27	13					
Coconuts.....farms..	230	178	31	21	number..	6,846	558	1,228	5,060					
trees..	26,733	18,219	3,286	5,228	Hogs and pigs.....farms..									
pounds harvested ² ..	181,479	140,984	10,570	29,925	number..	161	120	23	18					
Green oranges.....farms..	95	77	10	8	Goats and kids.....farms..	2,904	1,339	124	1,441					
trees..	633	494	93	46	number..	58	45	8	5					
pounds harvested ² ..	8,925	5,155	2,110	1,660	Chickens.....farms..	726	381	80	265					
Guavas.....farms..	59	50	5	4	number..	186	142	24	20					
trees..	897	378	509	10	Chickens.....number..	9,432	7,537	956	939					
pounds harvested ² ..	872	752	120	-	number sold..	54	22	30	2					
Lemons.....farms..	159	124	22	13	Other poultry.....farms..	30	24	2	4					
trees..	1,338	1,051	217	70	number..	514	409	6	99					
pounds harvested ² ..	6,990	5,385	1,040	565	Fish¹.....farms..									
Limes.....farms..	28	25	3	-	pounds caught..	93	68	11	14					
trees..	122	112	10	-	farms..	38,230	27,925	2,120	8,185					
pounds harvested ² ..	4,315	3,815	500	-	farms..	15	10	1	4					
Mangoes.....farms..	148	119	20	9	pounds sold..	6,688	5,213	200	1,275					
trees..	962	815	110	37	sales,dollars..	7,590	5,905	200	1,485					
pounds harvested ² ..	37,750	25,175	10,750	1,825	SELECTED EQUIPMENT AND FACILITIES									
Papayas.....farms..	136	106	20	10	Tractors.....farms..	40	30	8	2					
trees..	3,912	2,908	813	191	number..	60	38	14	8					
pounds harvested ² ..	33,756	26,126	5,855	1,775	Motortrucks.....farms..	7	5	1	1					
Pineapples.....farms..	69	54	9	6	number..	10	7	1	2					
plants..	11,866	8,546	2,200	1,120	Automobiles.....farms..	158	116	26	16					
fruits harvested ² ..	4,510	3,700	80	730	number..	187	138	32	17					
Star fruits.....farms..	41	36	2	3	Electricity.....farms..	90	73	7	10					
trees..	81	74	2	5	Piped running water.....farms..	143	107	23	13					
pounds harvested ² ..	3,355	3,290	55	10										
Tangerines.....farms..	106	83	19	4										
trees..	917	748	147	22										
pounds harvested ² ..	10,842	8,137	2,680	25										

¹ Data are for 1979.² Data are for crops harvested in 1979.

Table 23. Summary by Age of Operator: 1980

(Detail does not always add to totals due to rounding)

Item	Total	Under 25 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over	Not reported
F FARMS AND LAND IN FARMS								
Farms.....number..	299	16	62	49	65	54	23	30
Percent of farms reported.....	100.0	5.4	20.7	16.4	21.7	18.1	7.7	10.0
Land in farms.....acres..	12,187	55	641	646	8,807	1,003	730	304
Percent distribution.....	100.0	.5	5.3	5.3	72.3	8.2	6.0	2.5
Average size of farm.....acres..	40.8	3.4	10.3	13.2	135.5	18.6	31.7	10.1
L LAND USE								
Cropland.....farms..	289	16	58	50	60	53	22	30
acres..	2,643	41	279	277	1,292	397	216	139
Used for crops.....farms..	280	15	55	48	59	51	22	30
acres..	950	26	145	132	212	202	145	88
Used for pasture.....farms..	146	6	34	26	29	24	13	14
acres..	1,693	15	134	145	1,080	195	70	52
Pastureland, except cropland pastured.....farms..	129	6	27	27	23	26	8	12
acres..	8,706	6	273	327	6,932	563	471	134
Other land.....farms..	132	9	32	18	29	19	8	17
acres..	839	7	89	42	583	44	44	30
T TENURE OF OPERATOR								
Owners.....farms..	262	13	56	42	59	45	21	26
acres..	3,934	51	544	536	1,236	708	636	223
Full owners.....farms..	226	12	48	34	53	36	18	25
acres..	1,818	48	442	207	373	313	279	156
Part owners.....farms..	36	1	8	8	6	9	3	1
acres..	2,116	3	102	329	863	395	358	66
Tenants.....farms..	37	3	6	7	6	9	2	4
acres..	8,253	4	97	110	7,572	295	94	81
F FARMS BY SIZE								
Less than 1 acre.....farms..	10	-	1	3	3	2	-	1
acres..	3	-	(X)	1	1	1	-	(X)
1 to 2 acres.....farms..	46	7	6	8	7	9	4	5
acres..	84	10	11	16	14	18	8	8
3 to 4 acres.....farms..	42	3	6	2	16	8	4	3
acres..	161	11	23	7	62	31	17	12
5 to 7 acres.....farms..	94	6	28	14	15	13	4	14
acres..	560	34	174	85	88	73	22	84
8 to 9 acres.....farms..	8	-	1	3	3	-	-	1
acres..	71	-	8	27	26	-	-	9
10 to 19 acres.....farms..	55	-	13	11	12	13	4	2
acres..	711	-	169	130	151	181	53	25
20 to 39 acres.....farms..	20	-	4	4	4	4	2	2
acres..	521	-	98	122	106	95	50	50
40 to 49 acres.....farms..	4	-	1	2	1	-	-	-
acres..	179	-	46	93	40	-	-	-
50 acres or more.....farms..	20	-	2	2	4	5	5	2
acres..	9,901	-	113	166	8,321	604	582	116
O OPERATOR CHARACTERISTICS								
Operators by place of residence:								
On farm operated.....	103	10	18	14	24	21	6	10
Off farm operated.....	194	6	44	35	41	33	17	18
Not reported.....	2	-	-	-	-	-	-	2
Operators by years operating farm:								
Less than 2 years.....	40	4	12	6	8	5	2	3
2 to 4 years.....	104	9	32	24	12	13	2	12
5 to 9 years.....	44	2	7	5	17	5	3	5
10 years or more.....	104	1	11	14	27	30	16	5
Not reported.....	7	-	-	-	1	1	-	5
Operators by main occupation:								
Agricultural.....number..	63	4	8	4	12	17	14	4
acres..	9,632	18	82	194	8,196	477	561	105
Nonagricultural.....number..	231	12	54	45	52	36	9	23
acres..	2,524	37	559	453	608	511	169	187
Not reported.....number..	5	-	-	-	1	1	-	3
acres..	31	-	-	-	4	15	-	12
Operators by days of work off farm: ¹								
None.....	54	7	6	6	12	10	12	1
1 to 49 days.....	74	2	18	10	19	16	3	6
50 to 99 days.....	31	-	10	4	7	3	3	4
100 to 149 days.....	32	1	5	8	10	5	1	2
150 to 199 days.....	26	2	5	4	6	4	1	4
200 days or more.....	64	4	17	16	7	13	2	5
Not reported.....	18	-	1	1	4	3	1	8
TRACTS OR PIECES OF LAND								
Farms with--								
1 tract.....	212	11	51	34	44	35	12	25
2 tracts.....	53	3	8	12	11	9	5	5
3 tracts or more.....	34	2	3	3	10	10	6	-

See footnotes at end of table.

Table 23. Summary by Age of Operator: 1980-Con.

(Detail does not always add to totals due to rounding)

Item	Total	Under 25 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over	Not reported
F FARMS BY TYPE OF HOLDING								
For home consumption.....	170	9	40	26	38	27	10	20
For sale.....	129	7	22	23	27	27	13	10
Crop holding.....	53	1	10	9	8	15	7	3
Livestock and/or poultry holding.....	23	1	4	2	6	3	3	4
Mixed holding.....	53	5	8	12	13	9	3	3
Other.....	-	-	-	-	-	-	-	-
S SOURCE OF FINANCING								
Farm operation financed by--								
Operator:								
1 to 24 percent.....	2	2	-	-	-	-	-	-
25 to 49 percent.....	2	1	-	1	-	-	-	-
50 to 74 percent.....	4	-	2	-	1	1	-	-
75 to 99 percent.....	2	1	-	-	1	-	-	-
100 percent.....	256	9	56	45	53	45	21	27
Private:								
1 to 24 percent.....	-	-	-	-	-	-	-	-
25 to 49 percent.....	-	-	-	-	-	-	-	-
50 to 74 percent.....	3	-	-	1	1	1	-	-
75 to 99 percent.....	2	1	1	-	-	-	-	-
100 percent.....	23	2	2	2	8	6	1	2
Commercial:								
1 to 24 percent.....	-	-	-	-	-	-	-	-
25 to 49 percent.....	-	-	-	-	-	-	-	-
50 to 74 percent.....	-	-	-	-	-	-	-	-
75 to 99 percent.....	-	-	-	-	-	-	-	-
100 percent.....	-	-	-	-	-	-	-	-
Government:								
1 to 24 percent.....	1	-	-	-	1	-	-	-
25 to 49 percent.....	-	-	-	-	-	-	-	-
50 to 74 percent.....	-	-	-	-	-	-	-	-
75 to 99 percent.....	-	-	-	-	-	-	-	-
100 percent.....	1	-	-	-	1	-	-	-
Other:								
1 to 24 percent.....	2	1	1	-	-	-	-	-
25 to 49 percent.....	-	-	-	-	-	-	-	-
50 to 74 percent.....	3	1	2	-	-	-	-	-
75 to 99 percent.....	1	1	-	-	-	-	-	-
100 percent.....	3	-	-	1	1	1	-	-
Source not reported.....	5	-	1	-	-	1	1	1
SELECTED VEGETABLES AND FIELD CROPS¹								
Cassava.....farms..								
acres..	30	1	2	4	7	11	4	1
pounds harvested..	21	(z)	3	2	8	4	4	1
Chinese cabbage.....farms..	41,960	100	5,000	1,730	19,980	11,100	3,550	500
acres..	29	2	6	8	6	5	1	1
pounds harvested..	9	(z)	1	3	3	1	(z)	(z)
Cucumbers.....farms..	27,610	500	7,125	1,315	15,150	3,250	200	70
acres..	50	1	12	9	14	10	4	-
pounds harvested..	29	(z)	13	4	7	3	1	-
Eggplant.....farms..	92,880	1,000	49,050	11,150	24,680	5,700	1,300	-
acres..	38	2	7	6	11	8	3	1
pounds harvested..	13	(z)	4	2	4	2	1	(z)
Melons.....farms..	28,348	680	18,600	1,360	5,778	1,360	550	20
acres..	27	1	5	5	6	7	3	-
pounds harvested..	10	(z)	2	2	3	2	1	-
Sweetpotatoes.....farms..	22,400	700	7,600	4,700	4,700	3,250	1,450	-
acres..	42	2	5	4	10	11	7	3
pounds harvested..	19	1	3	1	6	3	3	2
Taro.....farms..	26,040	1,050	6,000	2,150	6,050	3,250	6,700	840
acres..	46	2	7	6	13	8	6	4
pounds harvested..	27	(z)	3	7	8	2	5	1
Watermelons.....farms..	21,530	650	1,250	6,050	8,070	2,100	3,000	410
acres..	46	1	8	8	10	12	5	2
pounds harvested..	74	(z)	12	18	9	30	3	3
Yams.....farms..	143,030	700	40,450	25,270	20,310	51,550	3,700	1,050
acres..	29	1	6	3	7	7	4	1
pounds harvested..	12	(z)	2	1	3	1	4	(z)
pounds harvested..	12,760	500	800	1,350	1,760	3,800	4,500	50
SELECTED FRUIT, NUT, AND TREE CROPS								
Avocados.....farms..								
trees..	99	9	10	17	28	22	8	5
pounds harvested ² ..	687	22	254	89	127	141	26	28
Bananas.....farms..	8,200	470	625	1,610	1,980	3,365	140	10
clusters..	213	13	35	31	50	40	19	25
pounds harvested ² ..	19,871	707	1,661	2,239	5,629	5,555	1,959	2,121
pounds harvested ² ..	85,989	4,540	8,820	7,690	24,620	24,169	4,555	11,595

See footnotes at end of table.

Table 23. Summary by Age of Operator: 1980—Con.

(Detail does not always add to totals due to rounding)

Item	Total	Under 25 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over	Not reported
SELECTED FRUIT, NUT, AND TREE CROPS--Con.								
Betelnuts.....farms..	100	7	7	18	27	24	7	10
trees..	6,860	70	103	674	3,400	2,262	173	178
pounds harvested ² ..	12,536	75	290	3,460	5,538	2,838	185	150
Breadfruits.....farms..	104	5	14	14	24	25	11	11
trees..	674	16	49	94	183	190	111	31
pounds harvested ² ..	15,987	560	275	2,840	3,407	3,675	3,740	1,490
Coconuts.....farms..	230	12	38	38	53	42	18	29
trees..	26,733	527	2,868	3,093	7,568	5,526	2,617	4,534
pounds harvested ² ..	181,479	12,965	10,565	22,710	59,070	36,459	22,485	17,225
Green oranges.....farms..	95	6	14	17	19	16	10	13
trees..	633	26	129	111	59	81	141	86
pounds harvested ² ..	8,925	220	1,000	2,210	1,630	1,160	2,030	675
Guavas.....farms..	59	5	6	8	14	9	9	8
trees..	897	65	12	48	146	23	561	42
pounds harvested ² ..	872	30	45	30	430	62	210	65
Lemons.....farms..	159	7	25	27	33	30	15	22
trees..	1,338	33	261	139	246	372	123	164
pounds harvested ² ..	6,990	120	630	880	1,420	2,615	980	345
Limes.....farms..	28	1	5	3	8	5	3	3
trees..	122	1	38	7	32	31	6	7
pounds harvested ² ..	4,315	-	510	-	3,660	30	65	50
Mangoes.....farms..	148	8	21	18	31	33	16	21
trees..	962	48	97	123	309	213	102	70
pounds harvested ² ..	37,750	820	2,725	2,820	10,950	11,805	8,040	590
Papayas.....farms..	136	10	22	17	34	26	13	14
trees..	3,912	199	553	270	1,549	801	238	302
pounds harvested ² ..	33,756	715	1,742	1,045	21,611	5,991	1,875	777
Pineapples.....farms..	69	6	9	13	15	13	4	9
plants..	11,866	662	429	576	5,042	4,109	340	708
fruits harvested ² ..	4,510	82	173	263	1,340	2,067	60	525
Star fruits.....farms..	41	3	1	8	11	8	9	1
trees..	81	9	1	12	21	15	22	1
pounds harvested ² ..	3,355	80	-	110	900	940	1,125	200
Tangerines.....farms..	106	6	21	17	24	22	9	7
trees..	917	22	180	110	139	350	47	69
pounds harvested ² ..	10,842	265	1,600	1,200	1,939	4,503	1,325	10
SELECTED LIVESTOCK, POULTRY, AND FISH								
Cattle and calves.....farms..	113	4	19	18	33	21	9	9
number..	8,339	16	248	238	6,637	420	668	112
Milk cows.....farms..	19	1	1	3	5	3	2	4
number..	1,493	1	1	19	1,263	30	166	13
All other cattle and calves.....farms..	109	4	19	18	32	20	9	7
number..	6,846	15	247	219	5,374	390	502	99
Hogs and pigs.....farms..	161	11	30	24	44	25	17	10
number..	2,904	74	592	1,234	407	376	163	58
Goats and kids.....farms..	58	4	14	9	14	13	2	2
number..	726	18	195	270	130	41	16	56
Chickens.....farms..	186	10	37	31	43	34	13	18
number..	9,432	272	3,365	1,108	2,488	1,141	360	698
number sold..	54	2	-	15	-	30	7	-
Other poultry.....farms..	30	6	7	5	7	4	-	1
number..	514	27	195	73	103	108	-	8
Fish ¹farms..	93	7	28	20	12	14	2	10
pounds caught..	38,230	620	10,170	14,410	5,985	4,120	200	2,725
farms..	15	2	7	2	2	1	-	1
pounds sold..	6,688	38	1,800	2,500	2,150	100	-	100
sales,dollars..	7,590	45	2,320	2,625	2,200	300	-	100
SELECTED EQUIPMENT AND FACILITIES								
Tractors.....farms..	40	-	8	4	13	12	3	-
number..	60	-	14	5	22	15	4	-
Motortrucks.....farms..	7	-	1	2	4	-	-	-
number..	10	-	1	3	6	-	-	-
Automobiles.....farms..	158	8	39	27	26	30	13	15
number..	187	11	42	30	35	33	17	19
Electricity.....farms..	90	7	16	10	22	20	6	9
Piped running water.....farms..	143	9	29	22	36	26	12	9

¹Data are for 1979.²Data are for crops harvested in 1979.

APPENDIX A. General Explanation

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GENERAL INFORMATION

The following definitions and explanations relate to items that are considered to be inadequately described in the tables. Most of the definitions are from the instructions given to enumerators. For exact wording of the questions and the instructions included on the questionnaire, see appendix B.

FARM OPERATOR

The term "operator" designates a person who operates a farm, either by doing the work himself/herself or directly supervising the work. The operator may be the owner, a member of the owner's household, a tenant or renter, the manager, or the person in charge of an institutional farm. By definition, the number of operators is the same as the number of farms.

FARMS OR OPERATORS REPORTING

Figures for "farms" represent the number of farms for which the specified item was reported. The difference between the total number of farms and the number of farms reporting an item represents the number of farms not producing that item, provided a correct report was received for all farms. When applicable, figures are given for the number of farms or operators not reporting items that were intended to be obtained for all farms.

LAND

All data related to land tenure and to land in farms refer only to land located in the Northern Mariana Islands and operated on enumeration day. The land to be included in each farm was determined from the answers to questions 1 through 4 in Section 1 of the questionnaire.

The land owned and the land rented from others or worked on shares for others were first added together and then the land rented to others or worked on shares by others were subtracted. The result represents "Total acres in this place."

Land owned—This item includes all land owned whether held under title, purchase contract or mortgage, or as heir or trustee

of an undivided estate, by the owner and/or his/her spouse, or by a partnership, a corporation, or any other organization.

Land rented or leased from others—This item includes all land rented, even though the landlord may supply equipment, fertilizer, or other materials and/or some supervision of the work.

Land rented to others—This item includes all land rented to others for cash, a share of the crops or livestock, or rent-free.

LAND USE

Land in farms consists primarily of "agricultural land"—i.e., land used for crops, pasture, or grazing—but it also includes areas of land not actually under cultivation nor used for pasture or grazing. For example, the entire area of land including woodland and wasteland that farm operators owned or rented from others was included as land in farms, unless reports indicated it was being held for nonagricultural purposes.

The land in farms was to be distributed according to the way in which it was being used on the day of enumeration. The land uses described in the following paragraphs were mutually exclusive in that each acre of land was included only once even though it may have had more than one use during the year.

Cropland—This item refers to all land planted in crops at the time of the enumeration. Land was to be reported only once even if two or more crops were planted on the same land. It included: (1) field crops that were grazed when mature or almost mature; (2) land in bearing and nonbearing fruit and nut trees or plants, or any other tree crops; (3) land that had partial but not total crop failure; and (4) land in home gardens.

Other cropland—This item refers to all land that the operator considered as cropland but on which no crops were planted. It included: (1) land used for pasture and grazing that the operator feels could have been used for crops without additional clearing or irrigation; (2) land with total crop failure as a result of drought, flood, insect, fire, or other causes; (3) idle and fallow cropland; and (4) cropland with soil improvement grass, cover crops, etc., for the purpose of improvement.

Pasture or grazing land—This item refers to the land where livestock are pastured or are being grazed, except for the cropland pasture previously reported. It also includes woodland being used for pasture.

Other land—This item refers to all land that did not qualify either as cropland or pastureland. It includes land in house and building lots, lanes, roads, ditches, ponds, swamps, steep slopes, wasteland, brushland, and nonpastured woodland.

TYPE OF HOLDING

Agricultural operations were classified according to the response the enumerator obtained from the farm operator as to whether the farm was producing mainly for home consumption or mainly for sale.

Holdings with production mainly for home consumption—This applies to holdings where the agricultural output was mainly consumed by the holder's household.

Holdings with production mainly for sale—This applies to holdings where the agricultural output was mainly for sale. These holdings were further classified by the farm operator according to their most important activity.

Crop holding—is one on which the value of sales was mainly from crops.

Livestock and/or poultry holding—is one on which the value of sales was mainly from the sale of livestock, livestock products, and/or poultry and poultry products.

Mixed holding—is one on which the value of sales was mainly a combination of sales of crops, livestock, livestock products, and/or poultry and poultry products.

Other holding—is one on which the value of sales was mainly from the sale of agricultural products not listed in the previous groups, such as honey.

CROPS HARVESTED

This report form contained individual inquiries for crops grown and space to write in those less frequently produced.

When two or more crops or two or more plantings of the same crop were harvested from the same land, the acres were to be reported for each separate crop or planting. Data for quantity harvested were obtained for vegetables, field crops, fruits, nuts, and other tree crops. All quantities harvested were reported in pounds for vegetables, field crops, fruits, nuts, and other tree crops, except pineapples, which were reported in number of fruits.

LIVESTOCK, POULTRY, AND FISH

Data for livestock and poultry show the number on hand at the time of enumeration. All livestock and poultry on the place were enumerated at the time of the enumeration regardless of ownership.

Sales data were collected for chickens and dozens of eggs sold from the place during 1979. Also, data for pounds of fish sold and value of sales were for 1979. This was the first data collection for fish as part of the census of agriculture.

Fish caught by the farm operator and members of his/her family were included in the enumeration. All commercial fish operations were excluded; also, oysters, crabs, lobsters, shrimp, and other marine animals were excluded.

Cattle and calves—“Milk cows” were defined as cows that had been on the place on the day of enumeration and were milked at any time during 1979. All other cows were to be included in the report for “Other cattle and calves.”

SELECTED EQUIPMENT AND FACILITIES

Equipment—The following types of equipment on the place at time of enumeration regardless of ownership were enumerated so long as they were in operating condition and used in the farm business.

Tractors—include all kinds other than garden tractors and motor tillers.

Motortrucks—include pickup trucks and truck-trailer combinations, and jeeps and station wagons if used primarily as trucks.

Automobiles—include cars, jeeps, and station wagons used primarily as passenger cars.

Facilities—The presence or absence of electricity and/or piped running water on the place was enumerated.

Electricity—covered electrical power anywhere on the place including the dwelling of the operator.

Piped running water—covered water in pipelines by a pressure system or by gravity flow from natural or artificial sources. Water from a hand pump was not considered to be piped running water.

OPERATOR CHARACTERISTICS

Residence of operator—Farm operators were classified by residence according to whether or not they lived on the farms they were operating. Some of those who did not live on the farms they operated lived on farms operated by others. If all the land was rented from others or worked on shares for others, the operator was considered to live on the farm operated if the dwelling was included in the rental agreement. In such cases, the dwelling was not necessarily on the farm operated. Similarly, an operator who did not live on the land being cultivated, but who had some agricultural operations (other than a home garden) at his/her dwelling, was considered to be living on the farm operated.

Year began operating present farm—Enumerators were instructed to obtain the year an operator began to operate the farm, i.e., the first year the operator took continuous charge of the present farm or any part of it.

Main occupation—This question was asked to determine whether the principal occupation of the operator was agricultural or nonagricultural. If the operator devoted 50 percent or more of his/her work time to agricultural activities, his/her main occupation was considered to be agriculture.

Work off farm—The extent to which farm operators rely on nonfarm sources for part of their income is indicated by the number of days worked off the farm during 1979.

Age of operator—For the 1980 census, farm operators were classified by age into six groups. The average age was derived from the sum of the ages of all farm operators reporting age divided by the number of operators reporting.

CLASSIFICATIONS OF FARMS

Farms by size—Farms were classified by size on the basis of the total land area determined for each farm. According to the census definition, a farm is essentially an operating unit, not an ownership tract. All land operated 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 his entire land holding to be one unit rather than several separate units.

Farms by tenure of operator—In the 1980 census, farms were classified by tenure of operator on the basis of data reported for

land owned, land rented from others, or worked on shares for others. During the processing operations, each questionnaire was coded to indicate whether the farm operator was a full owner, a part owner, or a tenant. The various classifications of tenure are:

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 on shares for others all the land they operate.

Farms by age of operator—Age of the operator, as of last birthday was obtained for all farms. The operators were classified into one of the following age groups:

Under 25 years.

25 to 34 years.

35 to 44 years.

45 to 54 years.

55 to 64 years.

65 years and over.

APPENDIX B. Questionnaire

Form Approved: O.M.B. No. 41-S79062

NOTICE - Response to this inquiry is required by law (title 13, U.S. Code). By the same law your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes.																
<small>FORM 80-A1(NM) (11-30-79)</small>		<small>U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS</small>														
A1																
1980 CENSUS OF AGRICULTURE NORTHERN MARIANA ISLANDS																
CENSUS USE ONLY																
035	036	037	038	039												
INSTRUCTIONS																
<p>A farm is defined as "any place that has 15 or more poultry (chickens, ducks, guineas, etc.); 5 or more livestock (cattle, hogs, goats, etc.); a combined total of 10 or more fruit or nut trees or plants; or any place of 100 square meters or more on which roots or field crops or vegetables were harvested for sale during 1979."</p>																
<p>Reporting Land in Section 1 This section is for recording information on all agricultural land the operator is associated with and for reporting the names of all landlords.</p>																
<p>Question 1 - Acres owned - Report all land owned whether held under title, purchase contract or mortgage, or as heir or trustee of an undivided estate, by you and/or your spouse, or by the partnership, corporation, or organization for which you are reporting.</p>																
<p>Question 2 - Acres rented or leased FROM OTHERS - Report all land rented, even though the landlord may have supplied equipment, fertilizer, or other materials and/or some supervision of the work.</p>																
<p>Question 3 - Acres rented TO OTHERS - Include land rented to others for cash or a share of the crops or livestock or rent-free.</p>																
<p>Question 4 - Total Acres in this Place - The entry is the sum of the acres owned, plus acres rented FROM OTHERS, minus the acres rented TO OTHERS. This entry represents all tracts of land regardless of where located in the Northern Mariana Islands that is operated by the person in charge.</p>																
Section 1 > LAND IN AGRICULTURE																
<p>1. How many acres do you own?</p>																
<p>2. How many acres do you rent FROM OTHERS? Include land used rent-free What is the FULL NAME of the owner of this land? <i>[Signature]</i></p>																
<p>3. How many acres do you rent TO OTHERS? Include land for which no rent is received</p>																
<p>4. TOTAL ACRES IN THIS PLACE - ADD acres owned (question 1) and acres rented (question 2), then SUBTRACT acres rented TO OTHERS (question 3), and enter the result in this space. →</p>																
<p>5. How many separate TRACTS or PIECES of land or plantations are represented in the "Total acres in this place?" 046 Number of pieces</p>																
<p>6. Is this holding producing mainly for home consumption or sale? ~ Mark (X) one 047</p>																
<p>1 <input type="checkbox"/> Home consumption - SKIP to question 8. 2 <input type="checkbox"/> Sale - If for sale, go to question 7.</p>																
<p>7. What kind of a holding is it? - Mark (X) one 048</p>																
<p>1 <input type="checkbox"/> Crop holding 2 <input type="checkbox"/> Livestock and/or poultry holding 3 <input type="checkbox"/> Mixed holding 4 <input type="checkbox"/> Other</p>																
<p>8. What percent of the farm operation is financed by each of the following sources? a. Operator b. Private c. Commercial d. Government e. Other - Specify 049 Percent</p>																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;">None</td> <td style="text-align: center; padding: 5px;">Percent</td> </tr> <tr> <td style="text-align: center; padding: 5px;">049</td> <td style="text-align: center; padding: 5px;">/10</td> </tr> <tr> <td style="text-align: center; padding: 5px;">050</td> <td style="text-align: center; padding: 5px;">/10</td> </tr> <tr> <td style="text-align: center; padding: 5px;">051</td> <td style="text-align: center; padding: 5px;">/10</td> </tr> <tr> <td style="text-align: center; padding: 5px;">052</td> <td style="text-align: center; padding: 5px;">/10</td> </tr> <tr> <td style="text-align: center; padding: 5px;">053</td> <td style="text-align: center; padding: 5px;">/10</td> </tr> </table>					None	Percent	049	/10	050	/10	051	/10	052	/10	053	/10
None	Percent															
049	/10															
050	/10															
051	/10															
052	/10															
053	/10															

Section 2 > VEGETABLES AND FIELD CROPS

Did you harvest any VEGETABLES or FIELD CROPS last year — such as yams, sweetpotatoes, melons, taro, etc.?

- 002
 1 Yes — Complete this section
 2 No — Go to section 3

	How many acres were harvested in 1979?		How many pounds were harvested in 1979? (b)
	Whole acres	Tenths	
None	062	/10	063
1. Cassava	064	/10	065
2. Chinese cabbage	066	/10	067
3. Corn	068	/10	069
4. Cucumbers	080	/10	081
5. Eggplant	082	/10	083
6. Honeydews	084	/10	085
7. Melons	086	/10	087
8. Muskmelons	088	/10	089
9. Sweetpotatoes	090	/10	091
10. Taro	092	/10	093
11. Watermelons	094	/10	095
12. Yams	096	/10	097
13. Other crops — Specify ↗			

Section 3 > FRUIT, NUT, AND TREE CROPS

Do you have any FRUIT, NUT, or TREE crops on this place — such as coconuts, bananas, mangoes, etc.? (Quantity harvested in 1979 and number of trees and plants on enumeration day.)

- 003
 1 Yes — Complete this section
 2 No — Go to section 4

	How many trees or plants are on this place?		How much was harvested in 1979? (b)
	Whole acres	Tenths	
None	120		121 Pounds
1. Avocados	122	Clusters	123 Pounds
2. Bananas	124		125 Pounds
3. Betelnuts	126		127 Pounds
4. Breadfruits	130		131 Pounds
5. Coconuts	134		135 Pounds
6. Coffee	136		137 Pounds
7. Green oranges	138		139 Pounds
8. Guavas	140		141 Pounds
9. Lemons	142		143 Pounds
10. Limes	144		145 Pounds
11. Mangoes	148		149 Pounds
12. Papayas	150		151 Fruits
13. Pineapples	152		153 Pounds
14. Star fruits	154		155 Pounds
15. Tangerines	158		
16. Other fruits, nuts, or tree crops — Specify ↗			Pounds

Section 4 > LAND USE

Of the total acres in this place (Section 1, question 4) —

	Acres	
	Whole acres	Tenths
None	201	/10
1. How many acres are in crops?	202	/10
2. How many acres are in other cropland (cropland pasture, crop failure, idle cropland, and cropland used for soil improvement)?	203	/10
3. How many acres are in other pasture or grazing land? (Include woodland pastured. Do not include cropland pasture.)	204	/10
4. How many acres are in other lands? (Include houselots, roads, woodland not pastured, wasteland, etc.)	205	/10
5. TOTAL LAND — Add entries in questions 1 through 4. Total should be equal to entry in section 1, question 4.		

Section 5 LIVESTOCK AND POULTRY	
How many of the following livestock and/or poultry are on this place?	
1. Carabaos	None <input type="checkbox"/> Number 250 251 252 253 254 255 256 259 266 267
2. Total cattle and calves (Must equal sum of "a" and "b" below.)	<input type="checkbox"/>
Of this total, how many are —	
a. Milk cows	<input type="checkbox"/>
b. All other cattle and calves	<input type="checkbox"/>
3. Hogs and pigs	<input type="checkbox"/>
4. Goats and kids	<input type="checkbox"/>
5. Horses, mules, and colts	<input type="checkbox"/>
6. Other livestock — Specify <i>P</i>	<input type="checkbox"/>
7. Chickens	<input type="checkbox"/>
8. Other poultry (ducks, pigeons, guineas, geese, turkeys, etc.) — Specify <i>X</i>	<input type="checkbox"/>
9. How many chickens were sold during last year?	None <input type="checkbox"/> Quantity sold in 1979 275
10. How many dozens of chicken eggs were sold during last year?	<input type="checkbox"/> Number 276 <input type="checkbox"/> Dozens
Section 6 FISHERY	
1. How many pounds of fish were caught during 1979?	None <input type="checkbox"/> 277 Total pounds caught (a) 278 Total pounds sold (b) 279 Value of sales (dollars) (c)
Section 7 SELECTED EQUIPMENT AND FACILITIES USED ON THIS PLACE	
1. How many of the following are on this place? — Include all specified equipment on this place today, regardless of ownership, provided it is in operating condition and used in the farm business.	None <input type="checkbox"/> Number 280
a. Tractors (of all kinds) other than garden tractors and motor tillers	<input type="checkbox"/>
b. Motortrucks	<input type="checkbox"/>
c. Automobiles	<input type="checkbox"/>
2. Do you have the following on this place?	
a. Electricity	283 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 284 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
b. Piped running water	
Section 8 OPERATOR CHARACTERISTICS	
The following questions are about the FARM OPERATOR	
1. Do you live on this place?	290 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
2. In what year did you begin to operate this place?	291 _____ Year
3. Age of operator. (Copy from Population and Housing questionnaire.)	292 _____ Years old
4. What is your principal occupation?	293 1 <input type="checkbox"/> Farming 2 <input type="checkbox"/> Other than farming 294 1 <input type="checkbox"/> None 4 <input type="checkbox"/> 100–149 days 2 <input type="checkbox"/> 1–49 days 5 <input type="checkbox"/> 150–199 days 3 <input type="checkbox"/> 50–99 days 6 <input type="checkbox"/> 200 days or more
5. OFF-FARM WORK — How many days did the operator work at least 4 hours per day off this place in 1979? — Include work at a nonfarm job, business, or on someone else's farm. Exclude exchange farm work	

Section 9 ➤ ENUMERATOR'S RECORD (To be filled by the Census enumerator)			
<p>1. Who furnished the information in this report? 295</p> <p><input type="checkbox"/> Operator <input type="checkbox"/> Hired laborer <input type="checkbox"/> Landlord <input type="checkbox"/> Other — Specify → <input type="checkbox"/> Wife or a member of the operator's family _____</p>			
<p>2. Remarks (Make any remarks needed in regard to the place, the owner or operator, such as crop failure, low yields, droughts, floods, insects, etc.)</p> <p>_____</p>			
<p>Enumerator: Ask, at the completion of this questionnaire — "Besides you, (the operator) does any other person living in this household produce or sell any crops, livestock, or poultry?" 296</p> <p><input type="checkbox"/> No — END INTERVIEW</p> <p>↓ <input type="checkbox"/> Yes — Ask the following questions</p> <p>A. Does . . . have 15 or more poultry (chickens, ducks, guineas, etc.)? 297</p> <p>↓ <input type="checkbox"/> No <input type="checkbox"/> Yes →</p> <p>B. Does . . . have 5 or more livestock (cattle, hogs, goats, etc.)? 298</p> <p>↓ <input type="checkbox"/> No <input type="checkbox"/> Yes →</p> <p>C. Does . . . have a combined total of 10 or more fruit, nut, or tree crops on the place? 299</p> <p>↓ <input type="checkbox"/> No <input type="checkbox"/> Yes →</p> <p>D. Does . . . have 100 square meters or more on which root or field crops or vegetables were harvested for sale during 1979? 300</p> <p>↓ <input type="checkbox"/> No <input type="checkbox"/> Yes →</p> <p>If "Yes" to A, B, C, or D — enter note in "Remarks" column (Col. II) of Address Register and complete another Agriculture questionnaire for the other person.</p>			
3. Certified by Enumerator		301 Date	
4. Checked by Crew Leader		302 Date	



