

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. 41-579062

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.					Part A QUESTIONNAIRE IDENTIFICATION				
FORM 80-A1(NM) (11-30-79)		U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS			Island number	ED number	CENSUS USE ONLY	Farm serial number	CENSUS USE ONLY
A1 1980 CENSUS OF AGRICULTURE NORTHERN MARIANA ISLANDS					Name of island				
					Municipality				
					Part B OPERATOR'S NAME AND MAILING ADDRESS				
					Full name - First name, middle initial, last name				
					Address - Complete mailing address				
CENSUS USE ONLY					035	036	037 -	038	039

INSTRUCTIONS

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."

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.

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.

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.

Question 3 - Acres rented TO OTHERS - Include land rented to others for cash or a share of the crops or livestock or rent-free.

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.

Section 1 LAND IN AGRICULTURE

		Acres	
		Whole acres	Tenths
1. How many acres do you own?	None	040	/10
2. How many acres do you rent FROM OTHERS? Include land used rent-free	None	042	/10
What is the FULL NAME of the owner of this land? _____			
3. How many acres do you rent TO OTHERS? Include land for which no rent is received	None	044	/10
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.	None	045	/10
5. How many separate TRACTS or PIECES of land or plantations are represented in the "Total acres in this place?"	046	Number of pieces	
6. Is this holding producing mainly for home consumption or sale? - Mark (X) one	047		
1 <input type="checkbox"/> Home consumption - SKIP to question 8.			
2 <input type="checkbox"/> Sale - If for sale, go to question 7.			
7. What kind of a holding is it? - Mark (X) one	048		
1 <input type="checkbox"/> Crop holding		3 <input type="checkbox"/> Mixed holding	
2 <input type="checkbox"/> Livestock and/or poultry holding		4 <input type="checkbox"/> Other	
8. What percent of the farm operation is financed by each of the following sources?		None	Percent
a. Operator		049	
b. Private		050	
c. Commercial		051	
d. Government		052	
e. Other - Specify _____		053	

Section 2		VEGETABLES AND FIELD CROPS		
Did you harvest any VEGETABLES or FIELD CROPS last year — such as yams, sweetpotatoes, melons, taro, etc.?				None
1 <input type="checkbox"/> Yes — Complete this section 2 <input type="checkbox"/> No — Go to section 3				
		How many acres were harvested in 1979? (a)		How many pounds were harvested in 1979? (b)
		Whole acres	Tenths	
1. Cassava	<input type="checkbox"/>	062	/10	063
2. Chinese cabbage	<input type="checkbox"/>	064	/10	065
3. Corn	<input type="checkbox"/>	066	/10	067
4. Cucumbers	<input type="checkbox"/>	068	/10	069
5. Eggplant	<input type="checkbox"/>	080	/10	081
6. Honeydews	<input type="checkbox"/>	082	/10	083
7. Melons	<input type="checkbox"/>	084	/10	085
8. Muskmelons	<input type="checkbox"/>	086	/10	087
9. Sweetpotatoes	<input type="checkbox"/>	088	/10	089
10. Taro	<input type="checkbox"/>	090	/10	091
11. Watermelons	<input type="checkbox"/>	092	/10	093
12. Yams	<input type="checkbox"/>	094	/10	095
13. Other crops — Specify <u> </u>	<input type="checkbox"/>	096		097
	<input type="checkbox"/>		/10	
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.)				None
1 <input type="checkbox"/> Yes — Complete this section 2 <input type="checkbox"/> No — Go to section 4				
		How many trees or plants are on this place? (a)		How much was harvested in 1979? (b)
1. Avocados	<input type="checkbox"/>	120		121 Pounds
2. Bananas	<input type="checkbox"/>	122	Clusters	123 Pounds
3. Betelnuts	<input type="checkbox"/>	124		125 Pounds
4. Breadfruits	<input type="checkbox"/>	126		127 Pounds
5. Coconuts	<input type="checkbox"/>	130		131 Pounds
6. Coffee	<input type="checkbox"/>	134		135 Pounds
7. Green oranges	<input type="checkbox"/>	136		137 Pounds
8. Guavas	<input type="checkbox"/>	138		139 Pounds
9. Lemons	<input type="checkbox"/>	140		141 Pounds
10. Limes	<input type="checkbox"/>	142		143 Pounds
11. Mangoes	<input type="checkbox"/>	144		145 Pounds
12. Papayas	<input type="checkbox"/>	148		149 Pounds
13. Pineapples	<input type="checkbox"/>	150		151 Fruits
14. Star fruits	<input type="checkbox"/>	152		153 Pounds
15. Tangerines	<input type="checkbox"/>	154		155 Pounds
16. Other fruits, nuts, or tree crops — Specify <u> </u>	<input type="checkbox"/>	158		159 Pounds
	<input type="checkbox"/>			Pounds
Section 4		LAND USE		
Of the total acres in this place (Section 1, question 4) —				None
		Acres		
		Whole acres	Tenths	
1. How many acres are in crops?	<input type="checkbox"/>	201	/10	
2. How many acres are in other cropland (cropland pasture, crop failure, idle cropland, and cropland used for soil improvement)?	<input type="checkbox"/>	202	/10	
3. How many acres are in other pasture or grazing land? (Include woodland pastured. Do not include cropland pasture.)	<input type="checkbox"/>	203	/10	
4. How many acres are in other lands? (Include houselots, roads, woodland not pastured, wasteland, etc.)	<input type="checkbox"/>	204	/10	
5. TOTAL LAND — Add entries in questions 1 through 4. Total should be equal to entry in section 1, question 4.	<input type="checkbox"/>	205	/10	

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
2. Total cattle and calves (Must equal sum of "a" and "b" below.) Of this total, how many are -	<input type="checkbox"/>	251
a. Milk cows	<input type="checkbox"/>	252
b. All other cattle and calves	<input type="checkbox"/>	253
3. Hogs and pigs	<input type="checkbox"/>	254
4. Goats and kids	<input type="checkbox"/>	255
5. Horses, mules, and colts	<input type="checkbox"/>	256
6. Other livestock - Specify <input checked="" type="checkbox"/>	<input type="checkbox"/>	259
7. Chickens	<input type="checkbox"/>	266
8. Other poultry (ducks, pigeons, guineas, geese, turkeys, etc.) - Specify <input checked="" type="checkbox"/>	<input type="checkbox"/>	267

9. How many chickens were sold during last year?	None <input type="checkbox"/>	Quantity sold in 1979
10. How many dozens of chicken eggs were sold during last year?	<input type="checkbox"/>	275 Number 276 Dozens

Section 6 FISHERY

1. How many pounds of fish were caught during 1979?	None <input type="checkbox"/>	Total pounds caught (a) 277	Total pounds sold (b) 278	Value of sales (dollars) (c) 279
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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.

a. Tractors (of all kinds) other than garden tractors and motor tillers	<input type="checkbox"/>	Number 280
b. Motortrucks	<input type="checkbox"/>	281
c. Automobiles	<input type="checkbox"/>	282

2. Do you have the following on this place?

a. Electricity	283 1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No
b. Piped running water	284 1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No

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
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	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

Section 9 ENUMERATOR'S RECORD (To be filled by the Census enumerator)	
1. Who furnished the information in this report? <small>295</small> <input type="checkbox"/> 1 Operator <input type="checkbox"/> 2 Landlord <input type="checkbox"/> 3 Wife or a member of the operator's family <input type="checkbox"/> 4 Hired laborer <input checked="" type="checkbox"/> 5 Other — Specify →	
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.)	
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	
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?" <small>296</small> <input type="checkbox"/> 2 No — END INTERVIEW <input checked="" type="checkbox"/> 1 Yes — Ask the following questions	
A. Does . . . have 15 or more poultry (chickens, ducks, guineas, etc.)? <small>297</small> <input type="checkbox"/> 2 No <input checked="" type="checkbox"/> 1 Yes	If "Yes" to A, B, C, or D — enter note in "Remarks" column (Col. 11) of Address Register and complete another Agriculture questionnaire for the other person.
B. Does . . . have 5 or more livestock (cattle, hogs, goats, etc.)? <small>298</small> <input type="checkbox"/> 2 No <input checked="" type="checkbox"/> 1 Yes	
C. Does . . . have a combined total of 10 or more fruit, nut, or tree crops on the place? <small>299</small> <input type="checkbox"/> 2 No <input checked="" type="checkbox"/> 1 Yes	
D. Does . . . have 100 square meters or more on which root or field crops or vegetables were harvested for sale during 1979? <small>300</small> <input type="checkbox"/> 2 No <input checked="" type="checkbox"/> 1 Yes	
3. Certified by Enumerator	<small>301</small> Date
4. Checked by Crew Leader	<small>302</small> Date