

# Appendix A

## DEFINITIONS AND EXPLANATIONS

**Descriptive summary and references**—The definitions and explanations that follow relate only to those items that are considered to be inadequately described in the tables where they appear. Most of the definitions consist of a resumé of the questionnaire wording, supplemented by excerpts from instructions given to enumerators. For exact wording of the questions and of the instructions included on the questionnaire, see the facsimile of the 1964 agriculture questionnaire in appendix B.

**Land in farms**—The land to be included in each farm was determined from the answers to questions 2 through 7 of the agriculture questionnaire. (See the facsimile of the questionnaire in appendix B.) The amounts of land reported as owned, rented from others, used under permit, occupied without permit, and furnished by the government were first added together and then the amount of land reported as rented to others was subtracted. The result of these computations represented the land in the farm.

In censuses for 1964, 1960, and 1950, the data for land area were obtained in terms of hectares and ares, rather than in acres as in earlier censuses in Guam. In this report, all figures for land area and land use are given in terms of hectares (100 ares = 1 hectare). The corresponding acreage figures for censuses prior to 1950 were converted to hectares (2.47 acres = 1 hectare).

**Land owned**—All land that the operator and/or his wife held under title, purchase contract, homestead law, or as heir or trustee of an undivided estate was considered as owned. However, the reports for land owned exclude all land used by the United States Military Services.

**Land rented to others**—This item includes all land that the operator rented or leased to others, except land used by the United States Military Services. It also includes land the operator assigned to others on a share basis, or permitted others to occupy rent-free.

**Land rented from others**—This item includes land that the operator rented or leased from

private owners, whether individuals, partnerships, or corporations, and also land that he worked on shares for others.

**Land used under permit**—Rights to use land owned or controlled by the Government of Guam are in the form of permits rather than lease or rental arrangements. Accordingly, this item includes all land for which the operator had a Government of Guam permit.

**Land occupied without permit**—This item includes all land that the operator occupied as a “borrower” or “nonpermittee,” without any ownership rights to the land, or without any kind of permit, lease, or rental agreement.

**Land furnished with living quarters**—This item includes all land that the Government of Guam furnished to the operator in connection with his living quarters.

**Land in two or more election districts**—An individual farm was always enumerated in the election district in which the farm operator lived, regardless of where the farmland was located. If an operator had a residence in more than one election district, his farm was to be enumerated in the election district where he was living at the time of the census.

**Land in farms according to use**—In this report, land in farms has been distributed according to the way in which it was used during the 12 months preceding the enumeration (November 1, 1963, to October 31, 1964). The land uses described in the following paragraphs are mutually exclusive, in that each hectare of land was to be reported in only one use even though it may have had more than one use during the preceding 12 months. No reports regarding land use were obtained for places of less than 10 ares. Since questions on land use were asked for the first time in the 1960 census, there are no comparable data for censuses prior to 1960.

**Land used for crops**—Refers to all land that was used for crops at any time during the 12 months preceding the enumeration, except land used only for soil-improvement crops which were not harvested. It includes land from which any crop was harvested; land in growing crops not yet harvested; and land planted to both bearing and nonbearing fruit or nut trees, plants, and shrubs. Land from which two or more crops were harvested during the year was to be counted only once.

**Cropland used for pasture**—Includes all cropland that was used only for pasture during the 12 months preceding the enumeration. Land planted to crops was specifically excluded, even in cases where the crops were not harvested.

**Cropland not used for crops or pasture**—Includes idle cropland, land planted to soil-improvement crops not harvested, and any unused land that could, in the opinion of the operator, be satisfactorily cleared, planted, and cultivated for the production of field crops, vegetables, fruits, or nuts.

**Pastureland used for pasture or grazing**—Includes all land that was actually used for the grazing of livestock during the 12 months preceding the enumeration. It does not include any cropland, even if the cropland was used for pasture or grazing.

**Pastureland not used for pasture or grazing**—Includes all land that does not qualify as cropland but that could, in the opinion of the operator, support enough plant growth for grazing provided the clearing and grazing of the land would not seriously damage it.

**Other land**—Includes all land that does not qualify either as cropland or pastureland, such as house lots, barn lots, land area of ponds, ditches, swamps, steep slopes, cliffs, roads, brushland, wasteland, and forest areas.

**Land pastured, total**—Includes cropland used as pasture and pastureland used as pasture or grazing land.

#### CROPS

**Crops harvested**—The 1964 agriculture questionnaire contained individual inquiries for all crops commonly grown. Space was also provided for the reporting of any additional crops that were harvested during the year (November 1, 1963, to October 31, 1964).

**Field crops and vegetables**—The total quantity of each field crop and vegetable harvested during the year was always to be reported even in cases where the area harvested amounted to less than 10 ares. The area from which an individual crop was harvested was asked only if the quantity amounted to 50 pounds or more. Therefore, yields per hectare computed on the basis of the area and quantity harvested figures may result in a slight overstatement for some crops.

In cases where two or more crops, or two or more plantings of the same crop, were harvested from the same land during the year, the area was to be reported for each separate crop or planting, provided the total quantity harvested amounted to at least 50 pounds.

**Fruits and nuts**—Questions on fruits and nuts were divided into two groups on the 1964 questionnaire. For fruits grown on farms, information was obtained for the total quantity harvested during the year, and also for the number of trees or plants, both bearing and nonbearing, that were on the place on November 1, 1964. For breadfruit, betelnuts, coconuts, gado and other wild root crops, guavas, soursops, starfruits, anonas, and other wild or cultivated fruits, nuts, or crops, the reported data represent total quantities harvested or gathered during the year by all members of the operator's household, both from land in the farm, and from other land.

**Unit of measure**—On both the 1964 and 1960 questionnaires, all quantities harvested were to be reported in pounds.

#### LIVESTOCK AND POULTRY

**Inventories**—Data for livestock and poultry relate to the number on hand at the time of enumeration. All livestock and poultry were to be enumerated on the place where they were at the time of the enumeration regardless of who owned them.

**Sales of chicken eggs, milk, etc.**—Data on sales of livestock, chicken eggs, chickens of all ages, and milk were obtained for the first time in the 1964 census. Consequently, comparable data for earlier years are not available. Only the quantities of these products sold were to be reported. No questions were asked about the value of the sales.

**Cattle and calves**—“Milk cows” were defined as cows that had been milked at any time during the preceding 12 months. All other cows were to be included in the report for “Other cattle and calves.” The 1960 definition of milk cows was essentially the same as for 1964. Questionnaires for the 1950 and 1940 censuses contained no definition of milk cows, but enumerators were instructed to report as milk cows all cows kept for the purpose of providing milk for human consumption.

## FISHPONDS

Only fishponds stocked with fish for food purposes were to be reported. This specification was given to enumerators so that ponds used for other purposes would not be reported.

## WORK OFF FARM

Data for work off farm were collected for the first time in 1964. Off-farm work was enumerated to provide information on the extent of part-time farming in Guam. Farm operators reporting off-farm work varied from those who worked full time for the military installations to those who supplement their income with odd or sparetime jobs.

Only work for pay by the farm operator was to be reported. Days worked off the place were to include work at a job such as clerk, salesman, laborer or truck driver; at a non-farm business such as operating a store or repair shop; or at a profession such as doctor, lawyer or teacher. Exchange work was not to be reported.

## CLASSIFICATION OF FARMS

This report presents detailed data for farms classified by size of farm and tenure of farm operator.

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

**Farms by tenure of operator**—Farms were classified by tenure of operator on the basis of information reported for land owned, rented from others, used by Government permit, occupied without any permit (nonpermittee), or land furnished by the Government of Guam in connection with the operator's living quarters. During the processing operations, each questionnaire for the 1964 census was coded to indicate whether the farm operator was a full owner, part owner, tenant, per-

mittee, nonpermittee, or "other" operator. The various classifications of tenure, as used for the 1964 census are defined below:

- a. Full owners operate only land they own or land they own plus land they operate under a permit, without a permit, or use in connection with their living quarters furnished by the Government of Guam.
- b. Part owners operate land they own plus land they rent from others. They also may operate land under a permit, without a permit, or have land furnished by the Government of Guam in connection with their living quarters.
- c. Tenants operate only land they rent from others, plus any land they may have under permit, occupy without a permit, or use land furnished by the Government of Guam in connection with their living quarters.
- d. Permittees have a land permit from the Government of Guam for all the land they operate, or they may have a permit for some of the land and occupy the remainder of the land without a permit.
- e. Nonpermittees "borrow" all the land they operate, and have no rental agreement with the owner. They neither own nor rent any land; they do not occupy any land by permit nor use any land under any arrangement with the Government of Guam.
- f. "Others" are operators who did not qualify for any of the foregoing groups. All the land they operate has been furnished by the Government of Guam in connection with their living quarters; or part of the land operated was occupied without a permit; or part was furnished by the Government of Guam in connection with their living quarters.

The tenure classifications for the 1964 and 1960 censuses differ somewhat from those used in earlier censuses. For 1940 and 1950 farms were classified by tenure according to whether operators were "owners," "leasees," "renters," or "borrowers." The following tenure groups for 1964, 1960, and prior censuses are approximately comparable.

1964 and 1960 tenure groups	Comparable 1940 and 1950 tenure groups
Full owners and part owners -----	Owners
Permittees -----	Leasees
Tenants -----	Renters
Nonpermittees (1964), squatters (1960) ----	Borrowers

For exact description of the tenure classifications used in earlier censuses, see the 1950 report for Guam in the "Territories and Possessions" (Volume I, part 34, U. S. Census of Agriculture: 1950).

#### DATA FOR CENSUSES PRIOR TO 1964

The 1964 census was the sixth United States census of agriculture for Guam. For 1920, 1930, 1940, 1950, and 1960, a census of agriculture was taken at the same time as the census of population.

The definition of a farm used for the 1964 census was essentially the same as the definition used for the 1960 and 1950 censuses.

For the 1940 census, a farm was defined as follows: "The term 'farm' relates to any parcel or parcels of land—regardless of size and of value of production—on which crops were grown by one person, either alone or with the aid of members of his household or of hired

help." Questionnaires containing reports of livestock only, with no crops, were considered to represent "nonfarm places" and data were published for farms and nonfarm places separately. The data given in this report for 1940 represents the total of farms and nonfarm places combined. For the 1930 census, the questionnaire for crops contained the following definition of a farm: "A farm for census purposes is all the land directly farmed by one person, either by his own labor alone or with the assistance of members of his household or hired employees." A separate questionnaire was used for the enumeration of livestock whether they were on farms or elsewhere.

Detailed data for the six United States censuses of agriculture may be found in the following publications:

- 1960: Volume I—1959 Census of Agriculture —Part 52
- 1950: Volume I—1950 Census of Agriculture —Part 34
- 1940: Sixteenth Census of the United States: 1940 Agriculture — Territories and Possessions
- 1930: Fifteenth Census of the United States: 1930 Guam—Population—Agriculture
- 1920: Fourteenth Census of the United States: 1920 Agriculture—Volume VI, Part 2

Form 66A-53 (10-5-64)	GUAM	Revised Bureau No. 416433 Revised version 4-26-64
Confidential.—This inquiry is authorized by Act of Congress, United States Code, Title 13, Sections 5, 9, 142, 191, 221, and 224, requiring that the inquiries be answered completely and accurately, and guaranteeing that the information furnished be accorded confidential treatment. The census report cannot be used for purposes of taxation, investigation, or regulation.		
AI No.	U.S. DEPARTMENT OF COMMERCE—BUREAU OF THE CENSUS <b>A1 CENSUS OF AGRICULTURE 1964</b> QUESTIONNAIRE	
If any member of the household harvested (or gathered) any crops, vegetables, fruits, or nuts during last 12 months (November 1, 1963 to October 31, 1964); or now has any livestock or five or more poultry, fill this questionnaire.		
Section 1.—OPERATOR, TENURE, AND AREA		
(Enter in question 1 the name of the operator (the person now in charge of the agricultural operations).)		
1. What is your name (the operator)? _____ (First name) (Middle name) (Last name)		
2. How many hectares do you own? (Omit land used by U. S. Military Services.) <input type="checkbox"/> None (Hectares) (Ares) <input type="checkbox"/> If less than 10 acres (1,000 sq. meters or about 10,000 sq. ft.) check and do not report number of acres.		
3. How many hectares do you rent to others? (Omit land used by U. S. Military Services.) <input type="checkbox"/> None (Hectares) (Ares)		
4. How many hectares do you rent from others? (Include cropland, grazing or pasture land, and all other land.) <input type="checkbox"/> None (Hectares) (Ares) Name of owner _____		
5. For how many hectares do you have a land permit? (Include cropland, grazing or pasture land, and all other land.) <input type="checkbox"/> None (Hectares) (Ares)		
6. How many hectares do you occupy without a land permit? <input type="checkbox"/> None (Hectares) (Ares)		
7. How many hectares are furnished you in connection with your living quarters by the Government? <input type="checkbox"/> None (Hectares) (Ares) <input type="checkbox"/> If less than 10 acres (1,000 sq. meters or about 10,000 sq. ft.) check and do not report number of acres.		
8. Total area in this place? (Add hectares and area for questions 2, 4, 5, 6, and 7, and subtract hectares and area for question 3.) <input type="checkbox"/> None (Hectares) (Ares) <input type="checkbox"/> If less than 10 acres (1,000 sq. meters or about 10,000 sq. ft.) check and do not report number of acres and skip to question 15.		
Section 2.—LAND USE		
Of the total area in this place (see question 8), how much is—		
9. Land used for crops? <input type="checkbox"/> None (Hectares) (Ares)		
10. Cropland used for pasture? <input type="checkbox"/> None (Hectares) (Ares)		
11. Cropland not used for crops or pasture? <input type="checkbox"/> None (Hectares) (Ares)		
12. Pastureland used for pasture or grazing? <input type="checkbox"/> None (Hectares) (Ares)		
13. Pastureland not used for pasture or grazing? <input type="checkbox"/> None (Hectares) (Ares)		
14. All other land in this place? <input type="checkbox"/> None (Hectares) (Ares)		
(The sum of the entries for questions 9 through 14 should equal entry for question 8.)		

Section 3.—FIELD CROPS AND VEGETABLES HARVESTED LAST 12 MONTHS (NOVEMBER 1, 1963-OCTOBER 31, 1964)			
(Answer these two questions for each kind of crop harvested.)			
Which of the following crops were harvested last 12 months? (If two or more crops were harvested on the same land, report the total area of each crop harvested.)			
15	Green beans?	(1) How many pounds were harvested during last 12 months? Pounds	(2) How much area was harvested? (Give area only when quantity harvested was 50 pounds or more) Hectares Area
	16. Chinese cabbage?		
	17. Cassava (tapioca, mandioke)?		
	18. Corn, dry?		
	19. Corn, green?		
	20. Cucumbers?		
	21. Eggplant?		
	22. Green onions?		
	23. Lettuce?		
	24. Melons (cantaloups, muskmelons, pepinos)?		
	25. Mungo beans?		
	26. Pepper?		
	27. Pumpkins?		
	28. Radishes?		
	29. Rice?		
	30. Sweetpotatoes?		
	31. Taro?		
	32. Tomatoes?		
	33. Watermelons?		
	34. Yams (cultivated)?		
	35. Other crops?		
		Give name	
		Give name	

Section 4.—FRUITS AND NUTS: TREES AND PLANTS NOW ON PLACE AND QUANTITY HARVESTED LAST 12 MONTHS			
(Answer these two questions for each kind of fruit tree or plant on this place.)			
Which of the following kinds of fruit trees or plants are on this place—			
15	Avocados?	(1) How many pounds were harvested during last 12 months? Pounds	(2) How many trees or plants are now on this place? Number
	37. Bananas, cooking?		Hills
	38. Bananas, eating?		Hills
	39. Grapefruit?		Number
	40. Lemons and limes?		Number
	41. Mangos?		Number
	42. Oranges?		Number
	43. Papayas?		Number
	44. Pineapples?		Number
	45. Tangerines?		Number
	46. Other fruits?		Number
		Give name	Number
		Give name	Number

(Answer this question for each kind of fruit or nut harvested or gathered.)		(3) How many pounds were harvested during last 12 months? Pounds
Which of the following kinds of wild or cultivated fruits, nuts, and other crops were harvested or gathered by you or your family from this place and from other land—		
47. Breadfruit?		
48. Betelnuts?		
49. Coconuts?		
50. Cado and other wild root crops?		
51. Guavas?		
52. Soursope?		
53. Starfruit?		
54. Other wild or cultivated fruits, nuts, or crops?		
Anonas? Give name		
Give name		
Section 5.—LIVESTOCK AND POULTRY: NUMBER NOW ON PLACE AND SALES OF PRODUCTS LAST 12 MONTHS (NOVEMBER 1, 1963-OCTOBER 31, 1964)		
How many of the following livestock and poultry are on this place—		
55. Carabao of all ages?		Number
56. Cattle and calves of all ages?		Number
Of this total, how many are—		
57. Milk cows?		Number
(Cows milked at any time during last 12 months)		
58. Other cattle and calves?		Number
(The sum of questions 57 and 58 must equal the total for question 56.)		
59. Goats and kids of all ages?		Number
60. Hogs and pigs of all ages?		Number
61. Horses and colts of all ages?		Number
62. Chickens 4 months old and over?		Number
63. Other poultry of all ages? (Ducks, guineas, pigeons, turkeys, etc.) (Give name.)		Number
64. How many dozen chicken eggs were sold during last 12 months?		Dozen
65. How many chickens of all ages were sold during last 12 months?		Number
66. How many quarts of milk were sold during last 12 months?		Quarts
Section 6.—FISHPOND: NUMBER AND AREA		
67. How many fishponds are on this place? <input type="checkbox"/> None <input type="checkbox"/> Number		
68. What are the dimensions of each fishpond? _____ feet by _____ feet (Give width and length of each pond.)		
Section 7.—WORK OFF FARM		
69. How many days during last 12 months did you work off your place? (Include work at a job, business, or profession off your place. Do not include exchange work.)		
(Mark one.)		
(1)	(2)	(3)
None <input type="checkbox"/>	1 to 99 days <input type="checkbox"/>	100 to 199 days <input type="checkbox"/>
		200 or more days <input type="checkbox"/>
Section 8.—ENUMERATOR'S RECORD—To be filled by Census Enumerator		
REMARKS: _____		
_____		
_____		
_____		
Residence of operator		Location of land:
Election District	Village	Election District
Your Enumeration District No.		A2 line number
Certified by	Enumerator	Date, 1964
Checked by	Supervisor	Date, 1964

# Appendix C

Confidential.—This inquiry is authorized by Act of Congress, United States Code, Title 13, Sections 5, 9, 142, 191, 221, 223, and 224, requiring that the inquiries be answered completely and accurately, and guaranteeing that the information furnished be accorded confidential treatment. The census report cannot be used for purposes of taxation, investigation, or regulation.

Budget Bureau No. 41-6437  
Approval expires: 4-30-65

## A2 Listing

FORM 64-A2 (8-10-64) Guam		Part I.—LIST OF PLACES IN ED <i>Instructions:</i> List the head of every household living in this ED.		Part II.—AGRICULTURAL OPERATIONS <i>Instructions:</i> Columns 4 and 5 If "Yes" for column 4, skip to column 6 If "No" for both columns 4 and 5 skip to column 9				Part III.—FILLING A1 If "Yes" in either column 4 or 5 Assign an A1 number and fill an A1 form	Part IV.—RECORD OF COMPLETION OF ENUMERATION <i>Instructions:</i> Column 7.— Enter mail address of a nonresident farm operator only if unable to complete A1. Column 8.— Will be filled by Supervisor. Column 9.— Fill after you have answered all required questions and filled an A1 if required.			
(1) Number or name of road	(2) A2 line number	(3) Name	(4) Harvested or gathered any crops, vegetables, fruits, or nuts during the last 12 months (Nov. 1, 1963-Oct. 31, 1964)?		(5) Any livestock or 5 or more poultry?		(6) Enter A1 number below	(7) Remarks (Mail address, notes, etc.)	(8) Turned over to supervisor		(9) Date completed	(10) A2 line number
			No	Yes	No	Yes			Date	Supervisor's initials		
	1		No	Yes	No	Yes						1
	2			<input type="checkbox"/>		<input type="checkbox"/>						2
	3			<input type="checkbox"/>		<input type="checkbox"/>						3
	4			<input type="checkbox"/>		<input type="checkbox"/>						4
	5			<input type="checkbox"/>		<input type="checkbox"/>						5
	6		No	Yes	No	Yes						6
	7			<input type="checkbox"/>		<input type="checkbox"/>						7
	8			<input type="checkbox"/>		<input type="checkbox"/>						8
	9			<input type="checkbox"/>		<input type="checkbox"/>						9
	10			<input type="checkbox"/>		<input type="checkbox"/>						10
	11		No	Yes	No	Yes						11
	12			<input type="checkbox"/>		<input type="checkbox"/>						12
	13			<input type="checkbox"/>		<input type="checkbox"/>						13
	14			<input type="checkbox"/>		<input type="checkbox"/>						14
	15			<input type="checkbox"/>		<input type="checkbox"/>						15
	16		No	Yes	No	Yes						16
	17			<input type="checkbox"/>		<input type="checkbox"/>						17
	18			<input type="checkbox"/>		<input type="checkbox"/>						18
	19			<input type="checkbox"/>		<input type="checkbox"/>						19
	20			<input type="checkbox"/>		<input type="checkbox"/>						20