

APPENDIX A.

General Explanation

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TAKING THE CENSUS

Report Form

The report form for the 1987 Census of Agriculture in Guam was prepared by the Outlying Areas Branch of the Agriculture Division, Bureau of the Census, in cooperation with the Department of Commerce of Guam.

The content of the 1987 census report form is similar to that of the 1982 form. Some changes were made to provide more meaningful and useful statistics, and to facilitate the processing of the collected data. A new data item was added for type of organization. One other change was listing vegetables and field crops alphabetically in section 3.

Training Program

The project manager, crew leaders, and enumerators employed for the census in Guam received special training in accordance with instructions prepared by the Bureau of the Census. The training included classroom practice in interviewing and filling out the report form, and a detailed discussion of the enumerator's instructions.

Method of Enumeration

The statistics in this report represent totals of data collected from farm operators during a 9-week period, beginning in February 1988. Prior to enumeration, Guam was divided into 19 Enumeration Districts (ED's) and each district was clearly delineated on special ED maps.

Each enumerator was assigned an ED and furnished with a map of the district to be enumerated. In all areas, except cities and other heavily populated areas, enumerators were required to visit each dwelling (or place), list the name of the head of household, and ask a series of screening questions. If the place qualified as an agricultural operation, the enumerator was required to complete a report form (see appendix C). For urban and other heavily populated areas, enumerators were given a list of 1982 farm operations and were required to enumerate those that still operated as a farm. To ensure as complete an

enumeration as possible, the enumerators were required to plot the location of each occupied dwelling or place on the ED map. They were also given lists of special and large farms located in each ED and were required to complete a report form for each name listed or an explanation of why one was not necessary.

Enumerators were to ask enough questions about tracts of land on which there were no dwellings to determine whether a report form should be completed for the owner or person in charge. This procedure was designed to ensure complete coverage of all land used, whether operated by an individual, partnership, corporation, or institution.

To avoid duplication or overlapping of enumeration, rules were established whereby responsibility for coverage could be determined. If a place was entirely within the boundaries of an ED, the enumerator assigned to it was responsible for completing the report form, regardless of where the operator lived. If a place was partly in one ED and partly in another, the enumerator assigned to the ED in which the operator lived was responsible for completing the report form; including all land the person operated in Guam regardless of ED.

OFFICE PROCESSING

The office processing was done in the Agriculture Division at the Bureau of the Census. Each report form was edited and coded prior to being keyed and tabulated. Report forms obtained for places not meeting the census farm definition criteria were voided and removed from further processing. The remaining report forms were examined for accuracy, consistency, and completeness. Errors in computations and in units of measures, inconsistencies, and misplaced entries were corrected. Incomplete reports were adjusted on the basis of related information on the same form or on report forms for nearby farms of similar type and size.

After all report forms had been reviewed, the data were keyed and subjected to a thorough computer edit analysis. The computer analyzed the data for each farm for completeness and consistency, and recorded all inconsistencies. These inconsistencies were reviewed by subject matter specialists, corrected, and keyed into a correction file. The corrected data were then tabulated by the computer and printed out for review. Following necessary corrections, the data were retabulated and a printout was provided so that the data tables could be prepared for final publication.

DEFINITIONS AND EXPLANATIONS

The following definitions and explanations provide a more detailed description of terms used in this publication than are available in the tables or on the report form. For an exact wording of the questions on the 1987 report form, see appendix C.

In the tables, data for land in farms, land use, fruit and nut trees, and livestock and poultry on hand represent the situation existing at the time of enumeration of each farm. The enumeration for the 1987 Census of Agriculture began in February 1988, and the 1982 census in March 1983. All other data, such as that relating to acres, production, sales, hired workers, and expenses are for the calendar years 1987 and 1982.

Farms or farms reporting—Data 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.

Land in farms—The land in farms was determined from the answers to questions 1 through 7 in section 2 of the report form (see appendix C). The amounts of land reported as owned, rented from others, used under permit, occupied without permit, or furnished by the government were added together, and the amount of land reported as rented to others was subtracted from that sum. The result represents “land in farms.” Although the area designated land in farms consists primarily of agricultural land—i.e., land used for crops, pasture, or grazing—it also included areas of land not actually under cultivation nor used for pasture or grazing. For example, woodland and wasteland owned or rented from others were included as land in farms unless the report indicated it was being held for nonagricultural purposes, such as recreational or for timber.

Land owned—This includes all land held by the operator or his/her spouse under title, purchase contract, homestead law, or as heir or trustee of an undivided estate at the time of enumeration. However, land used by the U.S. military services was excluded even though owned by the operator.

Land rented to others—This includes all land the operator rented or leased to others and all land assigned to others on shares or rent free during the past year. For the most part, the land rented to others represents agricultural land, but it may also include land rented for residential or other purposes. The tenant is considered to be the operator of land leased, rented, or worked on shares, even though the landlord may supervise the operations. The landlord is considered to be the operator of only that portion of the land not assigned to tenants.

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

Land occupied by permit—This includes all land for which the operator had a Government of Guam 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.

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

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

Land use—Land in farms is categorized according to the way it was being used on enumeration day. The land uses described in the following paragraphs are mutually exclusive in that each acre of land is counted only once, even though it may have had more than one use during the year.

Cropland used for crops—This includes all land planted in crops at the time of enumeration. Land was to be reported only once, even if two or more crops were planted on it. Land in crops includes land in bearing and nonbearing fruit and nut trees or plants or any other tree crops; land that had partial but not total crop failure; and land in home gardens.

Cropland used for pasture—This includes all cropland on the place that was used only for pasture. Land planted in crops, even though the crops were not to be harvested, was not to be included here.

Cropland not used for crops or pasture—This includes cropland on the place that was not used for crops or pasture. It does not include land so hilly, rocky, or wet that the cost of improving it for cultivation would be more than the operator could pay. Nor does it include land in roads, streams, or swamps. It does include land on which there was total crop failure due to flood, drought, insects, fire, or other causes; cropland lying idle; and cropland planted with soil improvement grasses, or other cover crops planted for improvement.

Pastureland used for pasture or grazing—This includes land used for grazing livestock at the time of enumeration. It does not include cropland, even though cattle or other livestock may have been grazed on it.

Pastureland not used for pasture or grazing—This refers to all land suitable for pasture or grazing that was not being used for grazing livestock at the time of

enumeration. It includes land that, in the opinion of the operator, could have supported enough plant growth, either native or planted for grazing, provided the clearing and grazing of the land would not seriously damage it.

All other land—This includes all land not qualifying as either cropland or pastureland as defined above. It includes land in house lots, barn lots, ponds, ditches, swamps, steep slopes, roads, brushland, wasteland, and forest areas.

Crops harvested—The report form contained individual inquiries for crops commonly grown and space to write in those less frequently produced. The information requested in 1987 includes acres of crops harvested, pounds harvested and sold, and value of sales.

Vegetables and field crops—The number of acres harvested, the total quantity of each vegetable and field crop harvested, the quantity sold, and value of sales during 1987 were to have been reported.

When 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 separately for each crop or planting.

Fruits and nuts—For fruits grown on farms, information was obtained on the total acres, total quantity harvested, the quantity sold, and value of sales during the year. Data were also collected separately for the number of trees or plants, both bearing and nonbearing, that were on the place on enumeration day. For breadfruits, betelnuts, coconuts, guavas, soursops, starfruits, 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 on the farm and other land.

Data for nursery and ornamental plants, flowering trees and plants, and shrubs reflect the number of plants on hand at time of enumeration. Plants sold and value of sales were for calendar year 1987.

Farm operator—The term "operator" designates a person who operates a farm, either by doing the work himself/herself or by directly supervising the work. The operator may be the owner, a member of the owner's household, a 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.

Operator characteristics—Data were obtained to classify the operators according to five characteristics.

1. *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.

2. *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.
3. *Age of operator*—Operators were classified by age into six groups. The average age was obtained by dividing the sum of the ages of all operators reported by the number reported.
4. *Main occupation*—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, otherwise his/her occupation was considered nonagricultural.
5. *Work off farm*—Data for work off farm have been collected since 1969. It was enumerated to provide information on the extent of part-time farming in Guam. Operators reporting off-farm work in 1987 varied from those who worked full time for the military installations to those who supplemented their income with odd or spare time jobs. Only work by the operator for pay was to be reported. Days worked off the place were to include work at another farm or a nonfarm business, such as a store or repair shop; or at a profession such as doctor, lawyer, or teacher. Exchange work was not to be reported.

Type of holding—Agricultural operations are classified on the basis of whether they are producing mainly for home consumption, or mainly for sale. Holdings producing principally for sale are further classified by type of agricultural production.

Holdings with production mainly for home consumption—This type applies to holdings from which more than 50 percent of the agricultural output of the holding is consumed by the holder's household.

Holdings with production mainly for sale—This type applies to holdings where 50 percent or more of the agricultural output is for sale. Holdings producing mainly for sale are further classified according to their most important activity. If 50 percent or more of the value was from one item the holding was named accordingly:

vegetable, field crop, fruit and nut, dairy, livestock, or poultry. The remaining two categories of holdings are used when the above do not apply.

Mixed holding is one on which no item accounts for 50 percent or more of the value of sales.

Other holding is one that does not belong to any of the previous groups.

Selected production expenses—Information was obtained for six major categories of farm expenses incurred during 1987.

1. *Machine hire and customwork*—Expenses for machine hire and customwork relate to tractor hire, plowing, and spraying. Any amount spent for the labor involved is considered to be part of the expense. The costs of hauling, trucking, or of exchange work without pay are omitted.
2. *Hired farm labor*—Expenses for hired farm labor include total cash payments made to family members and others for farm labor. Payments to persons supplied by a contractor or a cooperative organization and paid directly by them or by the crew leader are also included. Payments are excluded for housework, contract construction work, customwork, and repair and installation work performed by persons specifically employed for the work.
3. *Purchases of feed*—Expenses for feed for livestock and poultry include total cash payments for pasture used, salt, concentrates, mineral supplements, grain, hay, millfeeds, and any other items purchased for feeding livestock and poultry on the place. Expenses made for the grinding and mixing of feed and the estimated cost of items furnished to the operator by a landlord or others are also included. Payments made by a tenant to a landlord for feed grown on the tenant's farm are excluded.
4. *Purchases of insecticides, fungicides, and herbicides*—These expenses include total cash expenses for all chemicals, sprays, dusts, etc., used to control weeds, pests, insects, or disease on crops and livestock.
5. *Purchases of fertilizers and manure*—These expenses include the total amount spent for manure and commercial fertilizers of all kinds for use on the farm.
6. *Purchases of livestock and poultry*—These expenses include all cash expenses for livestock and poultry purchased for the place. The cost of livestock and poultry bought and then resold within 30 days is not included.

Livestock, poultry, and fish—Data for livestock and poultry show the number on hand at time of enumeration and quantity sold during 1987. All livestock and poultry on the place were enumerated at the time of the enumeration regardless of ownership.

Sales data were collected for all livestock and poultry sold from the place during 1987, as well as dozens of eggs and quarts of milk sold.

Data for pounds of fish caught, pounds of fish sold, and value of sales are for calendar year 1987.

Cattle and calves—Includes "milk cows" that were on the place on the day of enumeration and were milked at any time during 1987. "All others" refers to cattle and calves other than milk cows. Livestock sales data are for the calendar year 1987.

Equipment—The following types of equipment on the place at time of enumeration regardless of ownership, were reported so long as they were operable.

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

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

Automobiles—This includes 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 reported.

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

Piped running water—This covers 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.

FARM CLASSIFICATIONS

Tables 23, 24, 25, and 26 present detailed data for farms classified by tenure and age of operator, by size of farm, and by value of agricultural products sold.

Farms by tenure of operator—Farms were classified by tenure of operator on the basis of information reported for land owned, rented from others, operated under a government permit, operated without a permit (nonpermittee), or furnished by the Government of Guam in connection with the operator's living quarters. During the processing operations, each report form was coded to indicate whether the operator was a full owner, part owner, tenant, permittee, nonpermittee, or other operator.

Full owners—They operate only land owned or land owned plus land operated under a permit, without a permit, or in connection with living quarters furnished by the Government of Guam.

Part owners—They operate land owned plus land rented from others. They may also operate land under a permit, without a permit, or furnished by the Government of Guam in connection with their living quarters.

Tenants— They operate only land rented from others or land rented plus land under a permit, without a permit, or furnished by the Government of Guam in connection with their living quarters.

Permittees— They operate land under a permit from the Government of Guam, or they may operate some of the land under a permit and the remainder of the land without a permit.

Nonpermittees— They operate “borrowed” land. They do not own or rent the land, operate the land under a permit, or use the land under any arrangement with the Government of Guam.

Others—They operate land that does not meet the criteria of the preceding groups. All the land they operate is furnished by the Government of Guam in connection with living quarters, or part is operated without a permit and part is furnished by the Government of Guam in connection with living quarters.

Farms by age of operator—Farms were classified by age of operator on the basis of information reported to the enumerator which was entered on the report form. The operator’s age was classified into one of the age groups found in table 24.

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

Farms by value of agricultural products sold—Farms were classified on the basis of the total value of agricultural products sold. The total was obtained by adding the reported values of all products sold from the farm. The value of vegetables, field crops, fruits and nuts, nursery and ornamental plants, livestock, milk, poultry, eggs, and fish was obtained from the operator at the time of enumeration. These values were classified into one of the groups found in table 26.

RELIABILITY OF DATA

All data compiled originated from a complete enumeration and, therefore, are not subject to sampling variability. However, the data are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the actual universe; inability or unwillingness on the part of respondents to provide correct information; definition and classification difficulties; differences in the interpretation of questions; errors in recording or coding the data obtained; and other errors of collection, response, coverage, and estimation for missing or misreported data.

The accuracy of these tabulated data is determined by the joint effects of the various nonsampling errors. No direct measures of these effects have been obtained; however, precautionary steps were taken in all phases of data collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors.

APPENDIX B.

Selected Data by Current and Prior Farm Definitions: 1987

[For enumeration periods, see appendix A; and for meaning of abbreviations and symbols, see introductory text]

| Selected data | 1987 definition | 1982 ¹ definition | Selected data | 1987 definition | 1982 ¹ definition |
|--|--------------------|---------------------------------|---|--------------------|---------------------------------|
| FARMS AND LAND IN FARMS | | | SALES BY COMMODITY GROUP OR PRODUCT—Con. | | |
| Farms number... | 351 | 1 742 | Ornamental plants and other nursery products farms... | 12 | 12 |
| Land in farms ² acres... | 13 134 | 15 863 | dollars... | 38 541 | 38 541 |
| Average size of farm acres... | 37.4 | 9.1 | Livestock farms... | 114 | 115 |
| LAND USE | | | dollars... | 149 117 | 149 160 |
| Total cropland farms... | 339 | 1 628 | Poultry and eggs farms... | 29 | 29 |
| acres ² ... | 2 321 | 3 915 | dollars... | 774 455 | 774 455 |
| Used for crops farms... | 332 | 1 579 | Fish farms... | 3 | 3 |
| acres... | 1 204 | 2 187 | dollars... | 235 000 | 235 000 |
| Used for pasture farms... | 62 | 152 | SELECTED FARM PRODUCTION EXPENSES | | |
| acres... | 184 | 258 | Machine hire and customwork dollars... | 136 425 | 159 972 |
| Not used for crops or pasture farms... | 93 | 1 470 | Hired farm labor dollars... | 369 085 | 370 585 |
| acres... | 933 | 1 470 | Feed purchased for livestock and poultry dollars... | 806 806 | 1 226 233 |
| Pastureland: | | | Insecticides, fungicides, and herbicides dollars... | 116 389 | 137 839 |
| Used for pasture or grazing farms... | 51 | 230 | Fertilizers and manure purchased dollars... | 162 013 | 194 249 |
| acres... | 3 707 | 3 795 | Livestock and poultry purchased dollars... | 58 607 | 81 742 |
| Not used for pasture or grazing farms... | 33 | 108 | LIVESTOCK, POULTRY, AND FISH | | |
| acres... | 169 | 212 | Carabaos dollars... | 269 | 305 |
| Other land farms... | 204 | 1 146 | Cattle and calves dollars... | 317 | 591 |
| acres... | 6 937 | 7 941 | Hogs and pigs of all ages dollars... | 2 627 | 6 389 |
| FARMS BY SIZE | | | Goats and kids of all ages dollars... | 851 | 1 347 |
| Less than 1 acre farms... | 22 | 624 | Horses and colts of all ages dollars... | 21 | 59 |
| 1 to 2 acres farms... | 126 | 742 | Chicken hens 4 months old or older dollars... | 49 085 | 72 112 |
| 3 to 4 acres farms... | 56 | 141 | Chickens under 4 months old dollars... | 11 429 | 26 524 |
| 5 to 7 acres farms... | 46 | 83 | Roosters and pullets dollars... | 3 562 | 13 937 |
| 8 to 9 acres farms... | 17 | 30 | Pounds of fish caught dollars... | 388 200 | 388 200 |
| 10 to 19 acres farms... | 36 | 61 | SELECTED CROPS HARVESTED | | |
| 20 to 39 acres farms... | 28 | 38 | Vegetables and field crops: | | |
| 40 to 49 acres farms... | 4 | 5 | Beans, green acres... | 94 | 121 |
| 50 acres or more farms... | 16 | 18 | pounds harvested... | 303 804 | 330 094 |
| VALUE OF AGRICULTURAL PRODUCTS SOLD | | | Cucumbers acres... | 72 | 83 |
| Total sales farms... | 351 | 374 | pounds harvested... | 587 131 | 600 161 |
| dollars... | 2 626 747 | 2 627 769 | Eggplant acres... | 49 | 94 |
| Average per farm dollars... | 7 484 | 7 026 | pounds harvested... | 86 326 | 117 868 |
| Farms by value of sales: | | | Sweetpotatoes acres... | 15 | 35 |
| Less than \$100 farms ³ ... | - | 23 | pounds harvested... | 25 955 | 43 858 |
| dollars... | - | 1 042 | Taro acres... | 27 | 79 |
| \$100 or more farms... | 351 | 351 | pounds harvested... | 28 055 | 71 882 |
| dollars... | 2 626 747 | 2 626 747 | Watermelons acres... | 116 | 120 |
| SALES BY COMMODITY GROUP OR PRODUCT | | | pounds harvested... | 632 605 | 646 664 |
| Vegetables and field crops farms... | 207 | 221 | Fruits and nuts: | | |
| dollars... | 1 265 551 | 1 266 241 | Avocados trees... | 5 985 | 8 837 |
| Fruits and nuts farms... | 126 | 137 | pounds harvested... | 38 855 | 110 841 |
| dollars... | 164 083 | 164 392 | Bananas ⁴ hills... | 84 714 | 152 927 |
| | | | pounds harvested... | 168 075 | 299 577 |
| | | | Betelnuts trees... | 11 388 | 21 789 |
| | | | pounds harvested... | 14 612 | 26 873 |
| | | | Coconuts trees... | 25 091 | 49 405 |
| | | | pounds harvested... | 81 905 | 230 094 |
| | | | Guavas trees... | 3 238 | 5 924 |
| | | | pounds harvested... | 4 987 | 13 416 |
| | | | Lemons and limes trees... | 3 778 | 9 012 |
| | | | pounds harvested... | 29 859 | 85 055 |
| | | | Pineapples plants... | 386 333 | 391 538 |
| | | | pounds harvested... | 241 772 | 243 856 |
| | | | Tangerines trees... | 2 924 | 5 355 |
| | | | pounds harvested... | 20 291 | 46 924 |

¹Current data by 1982 farm definition.

²Detail may not add to total due to rounding.

³Includes both farms with less than \$100 in sales and farms with no sales.

⁴Includes eating and cooking bananas.

APPENDIX C. Report Form

OMB APPROVAL NO. 0507-0580; EXPIRES 09/89

FORM 87-A1(G)
(5-20-87)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

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. Your report CANNOT be used for purposes of taxation, investigation, or regulation.

A1

1987 CENSUS OF AGRICULTURE GUAM

FARM SERIAL NUMBER ▶
From A2, column (6)

SECTION 1 OPERATOR

1. What is your (the operator's) name?
2. What is your (the operator's) mailing address?
(Give address where correspondence is received.)

| |
|---|
| Full name (First name, middle initial, last name) |
| Complete mailing address |
| |
| |

SECTION 2 LAND IN AGRICULTURE

1. How many acres do you own?..... None
2. How many acres do you rent from others?..... None
3. For how many acres do you have a government land permit?..... None
4. How many acres do you occupy without a land permit?..... None
5. How many acres are furnished to you, in connection with your living quarters, by the government?..... None
6. How many acres do you rent to others? (Do not include land used by U.S. military services.)..... None
7. TOTAL ACRES IN THIS PLACE (ADD the entries in items 1, 2, 3, 4, and 5, then SUBTRACT the entry in item 6.) →

| | Acres | Tenths |
|-----|-------|--------|
| 041 | | /10 |
| 042 | | /10 |
| 043 | | /10 |
| 044 | | /10 |
| 045 | | /10 |
| 046 | | /10 |
| 047 | | /10 |
| | | |
| | Miles | Tenths |
| 048 | | /10 |

8. Is the farm located on a hard surface (all weather) road?..... Yes No — About how many miles is it to the nearest hard surface (all weather) road? 048

9. How many unpaid and paid farm hands (including the operator and his family) worked on this place in 1987?..... 051 Total farm hands

| 150 days or more? | 25 to 149 days? | Less than 25 days? |
|-------------------|-----------------|--------------------|
| 052 | 053 | 054 |
| 055 | 056 | 057 |

- a. Of the unpaid farm hands (including the operator and unpaid family workers), how many worked —.....
- b. Of the paid farm hands (hired workers and paid members of operator's family), how many worked —.....

10. What type of operating organization does this place have?..... (If you are a manager, specify if working for an individual, partnership, corporation, cooperative, estate, trust, etc.) 060
 - 1 Individual
 - 2 Partnership
 - 3 Corporation (Do not include cooperatives)
 - 4 Other (Cooperative, estate, trust, etc.)

11. Is this holding producing mainly for home consumption or sale?..... 062
 - 1 Home consumption — Go to section 3
 - 2 Sale — Ask item 12

12. If producing mainly for sale, is it one of the following?..... 063
 - 1 Vegetable holding
 - 2 Field crop holding
 - 3 Fruit and nut holding
 - 4 Dairy holding
 - 5 Livestock holding
 - 6 Poultry holding
 - 7 Mixed holding
 - 8 Other — Specify _____

SECTION 3 CROPS HARVESTED IN 1987

• Were any of these VEGETABLES AND FIELD CROPS harvested in 1987?

1. Beans, green..... None
2. Bittermelons..... None
3. Cabbage, Chinese..... None
4. Cabbage, head..... None
5. Cantaloups..... None

| | How many acres were harvested in 1987? | | How many POUNDS were harvested in 1987? | How many POUNDS were sold in 1987? | What was the value of sales in 1987? |
|-----|--|--------|---|------------------------------------|--------------------------------------|
| | (a) Acres | Tenths | | | |
| 064 | | /10 | 065 | 066 | 067 |
| 068 | | /10 | 069 | 070 | 071 |
| 072 | | /10 | 073 | 074 | 076 |
| 076 | | /10 | 077 | 078 | 079 |
| 080 | | /10 | 081 | 082 | 083 |

SECTION 3 CROPS HARVESTED IN 1987 - Continued

• Were any of these VEGETABLES AND FIELD CROPS harvested in 1987?

- 6. Cassava (tapioca)..... None
- 7. Corn.....
- 8. Cucumbers.....
- 9. Eggplant.....
- 10. Gado.....
- 11. Muskmelons and pepinos.....
- 12. Onions, green.....
- 13. Peppers.....
- 14. Pumpkins and squash.....
- 15. Radishes.....
- 16. Sweetpotatoes.....
- 17. Taro.....
- 18. Tomatoes.....
- 19. Watermelons.....
- 20. Yams.....
- 21. Other vegetables and field crops — *Specify*.....

| How many acres were harvested in 1987? | | How many POUNDS were harvested in 1987? | How many POUNDS were sold in 1987? | What was the value of sales in 1987? |
|--|--------|---|------------------------------------|--------------------------------------|
| (a) | (b) | | | |
| Acres | Tenths | (b) | (c) | (d) |
| 084 | /10 | 085 | 086 | 087 |
| 088 | /10 | 089 | 090 | 091 |
| 092 | /10 | 093 | 094 | 095 |
| 096 | /10 | 097 | 098 | 099 |
| 100 | /10 | 101 | 102 | 103 |
| 104 | /10 | 105 | 106 | 107 |
| 108 | /10 | 109 | 110 | 111 |
| 112 | /10 | 113 | 114 | 115 |
| 116 | /10 | 117 | 118 | 119 |
| 120 | /10 | 121 | 122 | 123 |
| 124 | /10 | 125 | 126 | 127 |
| 128 | /10 | 129 | 130 | 131 |
| 132 | /10 | 133 | 134 | 135 |
| 136 | /10 | 137 | 138 | 139 |
| 140 | /10 | 141 | 142 | 143 |
| 144 | /10 | 145 | 146 | 147 |
| | /10 | | | |

• FRUITS AND NUTS

- 22. Were there any fruit and nut trees or plants on this place or were any harvested in 1987?..... 1 Yes 2 No — Skip to item 41
- 23. How much land is in bearing and nonbearing fruit trees and plants?.....

| Acres | Tenths |
|-------|--------|
| 059 | /10 |

- 24. Avocados..... None
- 25. Bananas.....
- 26. Betelnuts.....
- 27. Breadfruits.....
- 28. Coconuts.....
- 29. Grapefruit.....
- 30. Guavas.....
- 31. Lemons-Limes.....
- 32. Mangoes.....
- 33. Oranges.....
- 34. Papayas.....
- 35. Pineapples.....
- 36. Soursops.....
- 37. Starfruits.....
- 38. Sweetsops.....
- 39. Tangerines.....
- 40. Other fruits, nuts, and tree crops — *Specify*.....

| How many trees or plants are not of bearing age? | How many trees or plants are of bearing age? | How many pounds were harvested in 1987? | How many pounds were sold in 1987? | What was the value of sales in 1987? |
|--|--|---|------------------------------------|--------------------------------------|
| (a) | (b) | (c) | (d) | (e) |
| 148 | 149 | 150 | 151 | 152 |
| 153 | 154 | 155 | 156 | 157 |
| 158 | 159 | 160 | 161 | 162 |
| 163 | 164 | 165 | 166 | 167 |
| 168 | 169 | 170 | 171 | 172 |
| 173 | 174 | 175 | 176 | 177 |
| 178 | 179 | 180 | 181 | 182 |
| 183 | 184 | 185 | 186 | 187 |
| 188 | 189 | 190 | 191 | 192 |
| 193 | 194 | 195 | 196 | 197 |
| 198 | 199 | 200 | 201 | 202 |
| 203 | 204 | 205 | 206 | 207 |
| 208 | 209 | 210 | 211 | 212 |
| 213 | 214 | 215 | 216 | 217 |
| 218 | 219 | 220 | 221 | 222 |
| 223 | 224 | 225 | 226 | 227 |
| 228 | 229 | 230 | 231 | 232 |

- 41. Nursery and ornamental plants, flowering trees and plants, shrubs, etc.; on the place in the last 12 months..... None

| Number of plants on the place | Number of plants sold | What was the value of sales in 1987? |
|-------------------------------|-----------------------|--------------------------------------|
| (a) | (b) | (c) |
| 233 | 234 | 235 |

SECTION 4 LAND USE

Of the total acres on this place
(Section 2, item 7) —

| | None | Acres | Tenths |
|--|--------------------------|-------|--------|
| 1. How many acres of land are in crops?..... | <input type="checkbox"/> | 238 | /10 |
| 2. How much cropland is used for pasture?..... | <input type="checkbox"/> | 238 | /10 |
| 3. How much cropland is not used for crops or pasture?..... | <input type="checkbox"/> | 240 | /10 |
| 4. How much pastureland is used for pasture or grazing?..... | <input type="checkbox"/> | 242 | /10 |
| 5. How much pastureland is not used for pasture or grazing?..... | <input type="checkbox"/> | 244 | /10 |
| 6. How many acres are in other land?..... | <input type="checkbox"/> | 246 | /10 |
| 7. TOTAL LAND (Add entries in items 1 through 6. The total should be equal to the entry in section 2, item 7.) | | 248 | /10 |

SECTION 5 LIVESTOCK AND POULTRY

Do you or anyone else have any of the following livestock and poultry on this place or were any sold from this place in 1987?

| | None | How many are on this place today? (a) | How many were sold in 1987? (b) | What was the value of sales in 1987? (c) |
|---|--------------------------|--|------------------------------------|---|
| 1. Carcasses of all ages..... | <input type="checkbox"/> | 260 | 261 | 262 |
| 2. Total cattle and calves of all ages..... (Must equal sum of a and b below.) | <input type="checkbox"/> | 263 | 264 | 265 |
| a. Milk cows..... | <input type="checkbox"/> | 266 | 267 | 268 |
| b. All other cattle and calves..... | <input type="checkbox"/> | 269 | 260 | 261 |
| 3. Hogs and pigs of all ages..... | <input type="checkbox"/> | 262 | 263 | 264 |
| 4. Goats and kids of all ages..... | <input type="checkbox"/> | 265 | 266 | 267 |
| 5. Horses and colts of all ages..... | <input type="checkbox"/> | 268 | 269 | 270 |
| 6. Chicken hens 4 months old and over..... (Must equal sum of a and b below.) | <input type="checkbox"/> | 271 | 272 | 273 |
| a. Commercial layers..... | <input type="checkbox"/> | 274 | 275 | 276 |
| b. Other chicken hens..... | <input type="checkbox"/> | 277 | 278 | 279 |
| 7. Chickens less than 4 months old..... | <input type="checkbox"/> | 280 | 281 | 282 |
| 8. Roosters and pullets..... | <input type="checkbox"/> | 283 | 284 | 285 |
| 9. Other poultry | | | | |
| a. Ducks..... | <input type="checkbox"/> | 288 | 287 | 289 |
| b. Geese..... | <input type="checkbox"/> | 290 | 290 | 291 |
| c. Pigeons..... | <input type="checkbox"/> | 295 | 296 | 297 |
| d. Other — Specify..... | <input type="checkbox"/> | 298 | 299 | 300 |

| | None | Number sold in 1987 (a) | What was the value of sales in 1987? (b) |
|---|--------------------------|----------------------------|---|
| 10. How many dozens of chicken eggs were sold during 1987?..... | <input type="checkbox"/> | 301 Dozens | 302 |
| 11. How many quarts of milk were sold during 1987?..... | <input type="checkbox"/> | 303 Quarts | 304 |

SECTION 6 FISHERY

| | None | Total pounds caught (a) | Total pounds sold (b) | Value of sales in 1987 (c) |
|--|--------------------------|----------------------------|--------------------------|-------------------------------|
| 1. How many pounds of fish were caught during 1987?..... | <input type="checkbox"/> | 305 | 306 | 307 |

SECTION 7 SELECTED EXPENDITURES IN 1987

How much did you spend for each of the following in 1987?

- 1. Machine hire and customwork..... None
- 2. Wages and salaries paid to employees or hired farm workers (Do not include housework or contract construction work. Include cash payments only.).....
- 3. Feed purchased for livestock and poultry (Include cost of grain, feed, concentrates, and roughages; also amount paid for grinding and mixing feed.).....
- 4. Insecticides, fungicides, and herbicides.....
- 5. Fertilizers and manure purchased.....
- 6. Livestock and poultry purchased.....

| Dollars only | |
|--------------|--|
| 308 | |
| 310 | |
| 311 | |
| 312 | |
| 313 | |
| 314 | |

SECTION 8 EQUIPMENT AND FACILITIES USED ON THE PLACE IN 1987

- 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.)
 - a. Tractors of all kinds..... None
 - b. Motortrucks.....
 - c. Automobiles.....
- 2. Do you have the following on this place?
 - a. Electricity..... ³¹⁶ 1 Yes 2 No
 - b. Piped running water..... ³¹⁸ 1 Yes 2 No

| Number | |
|--------|--|
| 315 | |
| 316 | |
| 317 | |

SECTION 9 OPERATOR CHARACTERISTICS

The following questions are about the FARM OPERATOR.

- 1. Do you live on this place?..... ³²⁰ 1 Yes 2 No
- 2. In what year did you begin to operate this place?..... ³²¹ _____ Year
- 3. How old were you on your last birthday?..... ³²² _____ Years old
- 4. What is your main occupation?..... ³²³ 1 Agricultural 2 Nonagricultural
- 5. OFF-FARM WORK — How many days did the operator work 4 hours or more off this place in 1987? (Include work at a nonfarm job, business, or on someone else's farm. Exclude exchange farm work.)..... ³²⁴
 - 1 None
 - 2 1—49 days
 - 3 50—99 days
 - 4 100—149 days
 - 5 150—199 days
 - 6 200 days or more

SECTION 10 ENUMERATOR'S RECORD (To be filled by the Census enumerator)

- 1. Who furnished the information in this report?..... ³²⁵
 - 1 Operator
 - 2 Landlord
 - 3 Hired laborer
 - 4 Wife or member of the operator's family
 - 5 Other — Specify _____

2. Remarks (Make any remarks needed in regard to the place, the owner or operator, the crops cultivated, or the livestock on this place.)

| | | |
|---------------------------------|------------------------|--------------|
| 3. Residence of operator | a. Election District | b. Village |
| 4. Location of land | a. Election District | b. ED number |
| 5. Certified by | Enumerator's signature | Date |
| 6. Checked by | Supervisor's signature | Date |