

APPENDIX A.

General Explanation

	Page
TAKING THE CENSUS	A-1
COMPUTER PROCESSING	A-1
OFFICE PROCESSING	A-2
DEFINITIONS AND EXPLANATIONS	A-2
FARMS CLASSIFIED BY SPECIFIED CHARACTERISTICS	A-4
ENUMERATION PERIODS	A-5
USE OF SAMPLING AND STATISTICAL ADJUSTMENT	A-5
NONSAMPLING ERRORS	A-6
CENSUS COVERAGE	A-6
RELIABILITY OF CENSUS ESTIMATES	A-6

TAKING THE CENSUS

Report Form

One report form was used in the 1982 Census of Agriculture for Puerto Rico. Except for a few items, the 1982 report form was very similar to the one used in 1978. Most of the changes have resulted in simplification of the questions asked. Also, the two sections concerning interplanting of crops and selected crops under cultivation were omitted. These modifications were made to improve the quality of the data and to provide data more useful to the user.

The "products for home consumption" section was changed to acquire the amount of products consumed or given away during the last week before the enumeration day. In the 1978 census, the data were collected for products consumed or given away during the previous 12 months before the enumeration day. This should be noted in comparing these figures with that of previous censuses.

Training Program

Supervisors, crew leaders, and enumerators employed for the census in Puerto Rico received special training for the job in accordance with instructions prepared by the U.S. Bureau of the Census. The training included practice in interviewing, filling out the report form, and a detailed discussion of the enumerator's instructions.

Method of Enumeration

The 1982 Census of Agriculture for Puerto Rico was conducted largely by enumerators assigned to specific geographic areas. In rural areas, they were instructed to visit every household and/or dwelling (living) unit. In urbanized areas, they were instructed to make inquiries of knowledgeable people to find persons conducting agricultural operations. To assist in obtaining as complete an enumeration as possible, enumerators were provided with detailed maps of their assigned areas. Also, they were given a Listing Book for each enumeration district (ED) or areas to be canvassed. The book was used to

record names, addresses, and additional data for each location visited, and whether or not a report form was filled out. Also, it provided the enumerator with a series of questions. By asking these questions, the enumerator could determine whether a housing unit located on a place with agricultural operations qualified as a farm according to the census definition.

When a place was located which qualified as a farm, the enumerator noted it in the Listing Book and completed a census report. When a place was located which required a census report, but on which the operator did not live, the enumerator entered the appropriate information for the place on a special form. This information was transferred to the enumerator assigned to the area where the operator lived, who was then responsible for obtaining a complete report for the operation.

Because of an interruption in census planning operations following the publishing of the 1978 Census of Agriculture for Puerto Rico, time constraints barred the conducting of a farm identification survey in advance of the next census as was done in 1978. Instead, a list of large or special farms was prepared from 1978 records. Farm operators appearing on this list were mailed a report form in June with a request to complete the form and hold it until the enumerator arrived during enumeration.

COMPUTER PROCESSING

For the first time, a microcomputer system was established and used in Puerto Rico in connection with a census of agriculture. This system was located in the Bureau of the Census San Juan Central Processing Office. The microcomputer system allowed the data to be processed in a more timely and precise manner.

The specific tasks accomplished with the microcomputer were:

1. Check-in of large farms—This system allowed for a tally of all mailed cases in the census. It replaced the time consuming manual check-in.
2. Data keying—All forms were data keyed using this system. This reduced the shipping cost and the possibility of losing forms during shipping by omitting the keying stage in the Census Bureau processing center in Jeffersonville, Ind.
3. Consistency edit—An edit provided analysts with printouts of the individual cases with potential problems. These cases were examined and the problems solved either by correcting the data using other data supplied on the report form, or by followup activity of the field enumerators through either a

return visit or a telephone call. In all cases for which a printout was produced, an action was taken. Corrections were keyed into the computer and the record passed through the edit again.

4. Island and Municipio Totals for selected data items—A listing was produced that provided an up-to-date tally for selected data items by municipio and for Puerto Rico. These totals were used to detect any potential coverage problems. If a potential problem was detected, an examination of the results and enumeration of this area in question was conducted. All detected potential problems were solved at this time.
5. Scope determination—The microcomputer allowed for a quick and efficient manner in which all cases could be determined to be in or out of the scope of the census. All cases that were rejected as being out of scope were examined by analysts for verification. Those that were in scope were hand edited and returned to data keying.

OFFICE PROCESSING

The encoded data on magnetic tapes and the report forms were shipped from Puerto Rico to the Bureau of the Census in Suitland, Md., where they were further reviewed. The tapes were subjected to a detailed item-by-item electronic computer program edit for consistency and completeness. When data were inconsistent or missing, the computer program either corrected the error or printed a code that indicated the type and location of the problem. These data were individually reviewed for accuracy and corrected, if necessary.

Following the review and verification of the data for accuracy, the data were tabulated by the computer. The tabulated data were reviewed again by subject matter specialists for consistency, completeness, and possible disclosure of information for individual farms. Final corrections were made at this point prior to publication.

DEFINITIONS AND EXPLANATIONS

The following definitions and explanations relate to items which are not fully described in the tables. Most of the definitions come from the report form and the instructions to the enumerators. For an exact wording of the questions, see appendix C.

Operator—The term "operator" designates a person who operates a farm, either actually doing the work or directly supervising the work. This person may be the owner, a member of the owner's household, a hired manager, or a tenant, but the person cannot be an *agregado* or a sharecropper. If the person rents land to others, the person is considered the operator only of the land retained for personal use. In the case of a partnership, only one partner is counted as the operator. The number of farm operators is the same as the number of farms.

Farms—Figures for "farms" are the number of farms (or operators) reporting a specified item. If a municipio contained 1,200 farms, but only 300 farms had cattle and calves on hand as of July 1, 1983, the figure for "farms" for the item "cattle and calves" would be 300. This definition is the same as "farms" in the 1978 and 1974 censuses, and is equivalent to the term "farms reporting" in the 1959 and prior censuses. Where applicable, figures are given for the number of farms not reporting items when the intent was to report data for all farms, e.g., place of residence of the operator.

Land area—The approximate land area of Puerto Rico is 2.3 million *cuerdas*. A *cuerda* is equivalent to 0.9712 of an acre or 0.3930 of a hectare. A *centesimo* is one-hundredth of a *cuerda*.

Land in farms—This item includes land used for crops, pasture, or grazing; also, woodland and wasteland not actually under cultivation nor used for pasture or grazing providing it was part of the operator's total operation. Woodland or wasteland held for nonagricultural purposes were excluded. Land in farms is an operating unit concept and includes land owned and operated as well as land rented from others. Land used rent free was to be reported as land rented from others.

Land owned (full and part owners)—This item includes all land that the operator owned, his wife or both held under title, purchase contract or mortgage, or as heir or trustee of an undivided estate at the time of the enumeration. Land operated by a hired manager covers all tracts of land managed for one or more employers by a person hired for a salary. Land managed by a hired manager also was considered owned. A hired manager was considered to be the operator of the land he/she managed because this person was responsible for the agricultural operations on the land and frequently supervised others in performing those operations.

Land rented from other (tenants)—This item includes all land that the operator rented or leased from others or used rent free.

Land rented to others—This item includes all land rented or leased to others for cash or a share of the crops or livestock, and land rented from others and then sub-leased to others.

Land in two or more municipios—An individual farm was counted in only one municipio even if the land was located in two or more municipios. The land in each farm was tabulated as being in the operator's principal municipio. The principal municipio was defined as the one where the largest value of the agricultural products was raised or produced. It was usually, but not always, where the operator reported all or the largest part of the total land.

Land use—The land was classified according to the way it was used during the period between July 1, 1982, and June 30, 1983. This classification includes three major groups.

Cultivated cropland—This group includes land from which crops were harvested, land on which crops failed, and land under cultivation whether harvested or not, except land in cultivated and/or improved pastures. It includes land in sugarcane, tobacco, coffee, pineapples, fruits, etc., even though no crop was harvested; and idle cropland and cropland not harvested because of crop failure.

Land used for intercropping or successive cropping was recorded only once.

Land in pastures—This group includes cultivated and/or improved pastures, natural pastures, and pastures overgrown with brush.

Other lands—This group includes woodland, forests, and underbrush that cannot be utilized for cultivation or pastures; and land occupied by lakes, buildings, roads, fences, wasteland, trails, ponds, etc.

Land irrigated—This item is land to which water was applied by artificial means for agricultural purposes. It includes both land under cultivation and pastureland. Separate figures were obtained for areas irrigated by water from public and private systems. Some land was irrigated from systems or facilities operated by a public system of the Government and from one or more private systems. Such land was reported under both private and public systems.

Also, data were obtained on the major sources of water used for irrigation such as wells or cisterns, rivers or streams, lakes or ponds, constructed reservoirs, and other sources.

Off-farm work by operators—Information was obtained on the number of days the operator or senior partner worked at least 4 hours per day off of the farm during the period from July 1, 1982, to June 30, 1983. Off-farm work included work at nonfarm jobs, businesses, or on someone else's farm. Exchange work was excluded.

Machinery, equipment, buildings, and facilities—Data were collected on the number of various types of machinery, equipment, buildings, and facilities on the place as of July 1, 1983. Machinery and equipment were reported only if they were in working order at the time of enumeration. In addition to the number of different pieces on the place, data were collected on the estimated market value of all machinery and equipment usually kept on the place.

Hired farm workers, agregados, and sharecroppers—This item refers to the number of hired workers employed on the farm during the census year and to the number of agregado and sharecropper families living on the place July 1, 1983. Also, data were obtained on labor cost. Employees of labor contractors and contract labor were excluded.

An *agregado* is a member of a family which lives on a farm not operated by any member of the family. An *agregado* may or may not be an employee of the farm

operator and may or may not produce any agricultural products. An *agregado* may own, rent, or use rent free, the house in which he/she lives. The land operated by, livestock belonging to, and the products marketed by an *agregado* family were to be included with those of the farm operator in charge of the place.

A *sharecropper* (*medianero*) is a person who works land under a definite arrangement with a farm operator, receiving a part of the crops, livestock, or livestock products in return for his/her labor and other contributions. Since it is possible for the same person to work as a sharecropper on more than one farm, census figures may overstate the number. Likewise, a person might live as an *agregado* on one farm and work as a sharecropper on another and, therefore, be counted as both. Land, crops, and livestock involved in such share arrangements were included with those of the farm operator in charge of the place.

Agricultural chemicals—This item includes the usage and costs of agricultural chemicals used on the farm during the census year; the cost of application was excluded. Application costs were included with expenses for machine hire and customwork.

Production expenses—Data on farm production expenses were obtained for—

- a. Livestock and poultry.
- b. Feed for livestock and poultry.
- c. Medicines and drugs for livestock and poultry.
- d. Seeds, bulbs, plants, and trees.
- e. Commercial fertilizer.
- f. Gasoline and other fuel and oil products for the farm business.
- g. Wages and salaries paid to employees or hired farm workers.
- h. Contract labor.
- i. Machine hire and customwork.
- j. Agricultural chemicals.

Expenses were reported for the period from July 1, 1982, to June 30, 1983. The information included all expenses incurred by the farm operators, landlords, sharecroppers, *agregados*, contractors, buyers, and others in connection with crops, livestock, or livestock products produced on the place. Wages and salaries paid to employees or hired farm workers were included. Excluded were wages and salaries paid to domestic help or contract labor and expenses relating to family home and automobile.

Crops—The names of the principal crops were preprinted on the report form and space was provided to write in other crops. Data were collected for each crop harvested from the place during the period from July 1, 1982, to June 30, 1983, regardless of who did the harvesting.

Data collected were:

Sugarcane, coffee, tobacco, pineapples, grains, and farinaceous crops—Cuerdas harvested and amount harvested.

Fruit trees and plants—Number of trees of bearing age and trees not of bearing age and amount harvested.

Vegetables harvested for sale—Cuerdas harvested for sale and value of sales.

Ornamental and flowering plants and lawn grass harvested for sale—Area used and value of sales.

Livestock and poultry—Data were obtained for the number of livestock and poultry on the farms as of July 1, 1983, regardless of ownership. Also, included were other livestock and poultry kept on the place for others or grown under a contract. Sales of livestock, poultry, and their products relate to the period from July 1, 1982, to June 30, 1983.

Market value of agricultural products sold—This item is the gross market value before taxes and production expenses of all agricultural products sold or removed from the place from July 1, 1982, to June 30, 1983, regardless of who received the payment. It includes receipts by the operator and the value of any shares received by partners, landlords, agregados, sharecroppers, contractors, and others associated with the place.

The total value of agricultural products sold is the sum of all crops sold from the place, including ornamental and flowering plants; lawn grass; and livestock, poultry, and their products. It does not include income from farm-related sources such as custom farm work done for others, government farm programs, recreational services, and other related sources, or income from nonfarm sources.

Other agricultural products sold—This item is the gross market value before taxes and production expenses of all sales from wood, hay, forage, silage, molasses, and any other agricultural products sold or removed from the place from July 1, 1982, to June 30, 1983, regardless of who received the payment.

FARMS CLASSIFIED BY SPECIFIED CHARACTERISTICS

Farms by tenure of operator—The classifications of tenure are:

- a. *Full owners* operate only the land they own or land operated by sharecroppers and agregados.
- b. *Part owners* operate land they own and also land they rent from others.
- c. *Managers* operate farms for others and are paid a wage or salary for their services. Persons acting merely as caretakers, "mayordomos" (foremen), or hired laborers are not classified as managers. If a farm operator manages land for others and also operates land on his own account, the land operated on his own account is considered as one farm and the land managed for others as another farm.
- d. *Tenants* operate only the land they rent from others.

Farms by type of organization—Enumerators classified the farms on the basis of the operator's description of the organizational status of their farms. The major classifications are:

- a. Individual or family.
- b. Partnership.
- c. Corporation.
- d. Other, such as estate or cooperative.

Farms by main occupation and age of operator—The main occupation and age of the operator, as of the last birthday were obtained for all farms. The operators were classified as to whether the main occupation was agricultural or nonagricultural. Each of these occupation classifications were further classified into one of the following age groups:

- a. Under 25 years.
- b. 25 to 34 years.
- c. 35 to 44 years.
- d. 45 to 54 years.
- e. 55 to 64 years.
- f. 65 years and over.

Farms by size—All farms were classified by size according to the total land area of each farm. The size groups are:

- a. Less than 10 cuerdas.
- b. 10 to 19 cuerdas.
- c. 20 to 49 cuerdas.
- d. 50 to 99 cuerdas.
- e. 100 to 174 cuerdas.
- f. 175 to 259 cuerdas.
- g. 260 cuerdas or more.

Farms by market value of agricultural products sold—All farms were classified by value of agricultural products sold, including those operated by institutions or government agencies. Income from farm-related sources such as custom farm work done for others, recreational services, land rent, and payments from government farm programs were excluded from the basis for this classification.

The 13 groups classified are on the basis of market value of agricultural products sold. The value groups are:

- a. \$60,000 or more sales.
- b. \$50,000 to \$59,999 sales.
- c. \$40,000 to \$49,999 sales.
- d. \$30,000 to \$39,999 sales.
- e. \$25,000 to \$29,999 sales.
- f. \$20,000 to \$24,999 sales.
- g. \$10,000 to \$19,999 sales.
- h. \$7,500 to \$9,999 sales.
- i. \$5,000 to \$7,499 sales.
- j. \$2,500 to \$4,999 sales.
- k. \$1,200 to \$2,499 sales.
- l. \$500 to \$1,199 sales.
- m. \$0 to \$499 sales.

Farms by type—The type of a farm represents a description of the major source of income from the sale of

agricultural products. The farm had to have sales of a specific product or a group of products amounting in value of 50 percent or more of the total value of all products sold during the census reference period to be classified as a particular type of farm.

The types of farms, together with the products (value of sales representing 50 percent or more of the value of agricultural products sold during the year) on which the type of classification is based, are:

<u>Type of farm</u>	<u>Agricultural products</u>
Sugarcane	Sugarcane.
Coffee	Coffee.
Tobacco	Tobacco.
Grain and farinaceous crop	Pigeon peas, dry beans, green beans, corn, dasheens, cassava, celeriac, sweetpotatoes, yams, taniers, rice, and other grains and farinaceous crops.
Fruit and nut	All tree fruits, nuts, bananas, plantains, and pineapples.
Livestock	Livestock and livestock products.
Poultry	Poultry and poultry products.
General crop	All crops, including the sugarcane, coffee, tobacco, grain and farinaceous crop, and fruit and nut types; but not including vegetables or ornamental and flowering plants and lawn grass.
Crop and livestock	Crops as listed in the general crop type together with the livestock, poultry, and their products in the livestock type.
Miscellaneous	All farms not meeting any of the above classifications. These include farms with 50 percent or more of the total value of agricultural products sold coming from the sale of vegetables or ornamental and flowering plants and lawn grass.

Other classifications—Also farms were classified by the characteristics of the operator, such as residence, main source of income, years operating present farm, education, days worked off farm, and by the percent of income received from farming.

ENUMERATION PERIODS

The enumeration periods for most items in the 1982 census were either the 12-month period from July 1, 1982, to June 30, 1983, or as of July 1, 1983. Whenever 1978 is used in a table, title or boxhead, it refers to the census period July 1, 1977, to June 30, 1978, or as of July 1, 1978.

Data for the following items relate to the 12-month period from July 1, 1982, to June 30, 1983, or to the period of July 1, 1977, to June 30, 1978, when applicable.

- Tenure.
- Land in farms.
- Agricultural products harvested and products sold.
- Livestock, poultry, and their products sold.
- Cultivated and/or improved pastures.

- Land use.
- Irrigation.
- Hired farm workers.
- Agricultural chemicals purchased and used.
- Selected farm production expenses.
- Farm-related income.

Data for the following items pertain to July 1, 1983, or July 1, 1978, when applicable.

- Inventory of livestock, poultry and hogs, on farms.
- Machinery, equipment, buildings, and facilities on farms.
- Number of agregado and sharecropper families on farms.

Data for "Products for home consumption" for the 1982 census pertain to the amount of products consumed or given away during the last week before the enumeration day July 1, 1983. In the 1978 census, these data pertain to the previous 12 months before the enumeration day.

USE OF SAMPLING AND STATISTICAL ADJUSTMENT

To reduce the respondent's burden, a sample of farms was used to collect detailed economic information. Statistical expansion procedures were then used to expand the data to the municipio level.

All expected farms were enumerated to obtain basic farm information. In addition, sample questions (sections 21 through 25) were asked of all "large" farms and a sample of farms identified when the municipio was listed. Other farms were selected into the sample with certainty because they were expected to be large. A farm was considered large if its expected sales were greater than \$19,999 or its expected size was greater than 49 cuerdas. The definition of a large farm was the same for each municipio. In addition to large farms, all farms in municipios containing less than 250 farms in 1978 were required to complete sections 21 through 25. Farms in municipios containing 250 farms or more in 1978 were also required to complete sections 21 through 25 at a rate of 1 in 5.

After collection, the noncertainty samples were stratified into 128 strata formed using 7 sales groups, 10 type-of-farm groups, and 3 size-of-farm groups.

<u>Sales</u>	<u>Type of farm</u>	<u>Size of farm</u>
\$0 to \$499	Sugar	0 to 9 cuerdas
\$500 to \$1,199	Tobacco	10 to 19 cuerdas
\$1,200 to \$2,499	Coffee	20 to 49 cuerdas
\$2,500 to \$4,999	Grain and farinaceous crop	
\$5,000 to \$7,499	Fruit and nut	
\$7,500 to \$9,999	Poultry	
\$10,000 to \$19,999	Livestock	
	General crop	
	Crop and livestock	
	Miscellaneous	

This stratification was done to improve precision and to reduce the bias in all estimates by weighting the sample farms within stratum by the ratio of total farms to sample farms. If the calculated weight was greater than

10 in municipios sampled at a rate of 1 in 5, the original stratum was collapsed into another stratum. Also collapsing of stratum occurred if the stratum contained fewer than 10 sample farms.

Estimates were prepared for items in sections 21 through 25 of the report form by multiplying the data item for each farm in the sample by the sample weight assigned the farm. The weight for a certainty farm was 1. Sample weights for the final strata ranged from 1 to 10 because all exact weights (total number of farms divided by the number of sample farms in the stratum) were converted to integers by a simple algorithm.

NONSAMPLING ERRORS

Each census or survey is subject to error. In addition to sampling variability, errors arise from nonsample sources such as incorrect or incomplete reporting, processing, and the inability to obtain a report from each eligible reporting unit. For example, an operator may report the number of hogs and pigs sold but may not report the value of the sale. In other cases, the respondent may indicate the presence of an item but not the quantity. The accuracy of a census count is determined by the joint effects of sampling and nonsampling errors. Extensive efforts were made to keep errors introduced during clerical and electronic processing to a minimum level through the use of quality control, verification, and check measures on specific operations.

CENSUS COVERAGE

Although a complete and accurate count of farms, land in farms, and farm production is the aim of each census of agriculture, the complex structure of The Commonwealth of Puerto Rico's agriculture makes this difficult to achieve. Among the complexities are the many places to be included, the variety of arrangements under which farms are operated, the continuing changes in the relationship of operators to the farm operated, the expiration of leases and the initiation or renewal of leases, the problem of obtaining a complete list of agricultural operations, the difficulty of locating and identifying some types of farms, the operator's absence from the farm during the data collection period, and the operator's opinion that part or all of the operation does not qualify and should not be included in the census. These complexities were resolved through the use of field enumeration and quality control procedures to ensure accurate reporting and coverage.

RELIABILITY OF CENSUS ESTIMATES

The sources of possible sampling and nonsampling errors have been previously discussed. Some sources affected all the data; others affected only certain items or geographic levels. The results of these errors, bias and increased variability, are difficult to measure.

Data items were classified as either 100-percent or sample items. The 100-percent items were those asked of all

farm operators. These include land in farms, harvested cropland, livestock inventory and sales, and crop acreages and quantities (sections 1 to 20 of the census report form). Variability in the 100-percent items is due to the variation associated with response error. Sample items were items asked of approximately 1 in 5 farm operators and include products used for home consumption; number of cuerdas on which chemicals were used; expenses; number of selected machinery and equipment and the value of farm machinery; and number of hired workers, agregados, and sharecroppers (sections 21 to 25 of the census report form). Variability in estimates of sample items is the effect of the sample selection and estimation procedure. The sample used is one of a large number of all possible samples of the same size that could have been selected using the same sample design. Estimates derived from the different samples would differ from each other. The difference between a sample estimate and the average of all possible samples is called the sampling deviation. The standard or sampling error of a survey estimate is a measure of the variation among the estimates from all possible samples, and thus is a measure of the precision with which an estimate from a particular sample approximates the average result of all possible samples. The relative standard error of estimate (always shown in percent) is defined as the standard error of the estimate divided by the value being estimated.

As calculated for this report, the standard error of the estimate partially measures the effect of certain nonsampling errors but does not measure any systematic biases in the data. Bias is the difference, averaged over all possible samples, between the estimate and the desired value. The accuracy of a survey result depends on both the sampling and nonsampling errors measured by the relative standard error of the estimate and the bias and other types of nonsampling error not measured.

The sample estimate and an estimate of its standard error permit the Census Bureau to construct interval estimates with prescribed confidence that the interval include the average result of all possible samples (for a given sampling rate). If all possible samples were selected, and each was surveyed under essentially the same conditions, and an estimate and its estimated standard error calculated from each sample, then:

- a. Approximately 67 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average value of all possible samples.
- b. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average value of all possible samples.

To illustrate the computations involved in the above confidence statements as related to total value of commercial fertilizer purchased estimates, assume that an estimate of total value of commercial fertilizer purchased for a particular municipio is \$276,741 and the relative standard error of the estimate for this estimate, as given in table B, is 2.8 percent, or 0.028. Multiplying \$276,741 by 0.028 yields \$7,749. Therefore, a 67-percent confidence interval is \$268,992 to \$284,490 (i.e., \$276,741 plus or minus \$7,749).

If corresponding confidence intervals were constructed for all possible samples of the same size and design, approximately 2 out of 3 (67 percent) of these intervals would contain the figure obtained from a complete enumeration. Similarly, a 95-percent confidence interval is \$261,243 to \$292,239 (i.e., \$276,741 plus or minus 2 x \$7,749).

Table A presents Puerto Rico's estimates of major items for all farms and for farms with sales of \$2,500 or more and measures of their reliability. The estimate and the relative standard error of the estimate is given for selected sample items. The relative standard error of the estimate measures the variation associated with the use of a sample of farms to estimate totals. It does not measure census variability associated with partial or item nonresponse among farms, response error or content

error. The relative standard error of estimate for sample items measures sampling error. It measures the variation associated with selecting a sample to estimate sample items. The reliability of municipio estimates may vary substantially from each other and will usually be larger than the Puerto Rico estimate.

Table B presents the estimate of reliability at the municipio level for 17 sample items. The relative standard error of the estimate for the same item differs among the municipios in Puerto Rico. Reasons for this are (1) differences among municipios in the total number of farms, (2) the number of large farms included with certainty, (3) the size classifications of farms sampled, (4) the general agricultural characteristics, and (5) the specific characteristic being measured.

Table A. Estimates of Reliability for Selected Items: 1982

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

Item	All farms		Farms with sales of \$2,500 or more	
	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)
Livestock and poultry purchased ----- farms..	7 463	1.2	3 569	1.4
----- dollars..	25 984 943	.3	24 910 288	.3
Feed purchased for livestock and poultry ----- farms..	9 978	1.1	4 280	1.4
----- dollars..	111 898 296	.3	110 269 651	.3
Medicines and drugs purchased for livestock and poultry ----- farms..	4 752	1.4	2 483	1.6
----- dollars..	4 605 540	.5	4 459 819	.5
Seeds, bulbs, plants, and trees purchased ----- farms..	4 875	1.7	3 015	1.8
----- dollars..	4 424 869	.8	4 218 416	.8
Commercial fertilizer purchased ----- farms..	14 126	.6	6 862	.4
----- dollars..	16 635 863	.5	15 254 789	.4
Gasoline and other fuel and oil products purchased ----- farms..	13 926	.6	8 088	.2
----- dollars..	12 012 739	.4	11 469 637	.4
Wages and salaries of hired farm workers and family members ----- farms..	9 319	1.0	5 892	.9
----- dollars..	80 498 656	.5	77 360 671	.5
Contract labor ----- farms..	936	3.2	706	3.2
----- dollars..	4 357 851	.7	4 162 424	.5
Machine hire and customwork ----- farms..	3 060	2.1	1 930	2.2
----- dollars..	5 409 465	1.4	4 970 013	1.2
Agricultural chemicals purchased ----- farms..	6 263	1.5	3 825	1.6
----- dollars..	6 149 722	.5	5 897 378	.5
Hired farm workers, agregados, and sharecroppers:				
Worked 5 months or more ----- farms..	3 133	1.6	2 809	1.6
----- number..	15 621	.7	15 129	.7
Worked less than 5 months ----- farms..	7 836	1.2	4 639	1.2
----- number..	34 676	1.2	28 169	1.2
Agregado and sharecropper families living on place July 1, 1983 ----- farms..	1 557	2.6	1 096	2.5
----- number..	3 768	1.8	2 868	1.4
Chemical products used for sprays, dusts, fumigants, etc., to control--				
Insects on crops and cultivated and/or improved pastures ----- farms..	3 402	2.2	2 161	2.3
----- cuerdas on which used..	81 263	.7	76 872	.7
Diseases in crops and orchards ----- farms..	1 276	3.6	840	4.1
----- cuerdas on which used..	20 089	1.6	19 171	1.6
Weeds or grass in crops and pastures ----- farms..	2 678	2.5	1 836	2.6
----- cuerdas on which used..	67 763	1.0	64 089	1.1
Lime ----- farms..	1 429	3.4	903	3.8
----- cuerdas on which used..	14 596	2.3	13 094	2.3
----- tons..	18 369	4.4	15 426	4.2

Table B. Estimates of Reliability for Puerto Rico and Municipio Totals for Selected Items: 1982—Con.

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

Geographic area	Gasoline and other fuel and oil products purchased		Wages and salaries of hired farm workers and family members		Contract labor		Machine hire and customwork	
	Total (dollars)	Relative standard error of estimate (percent)	Total (dollars)	Relative standard error of estimate (percent)	Total (dollars)	Relative standard error of estimate (percent)	Total (dollars)	Relative standard error of estimate (percent)
Puerto Rico -----	12 012 739	.4	80 498 656	.5	4 357 851	.7	5 409 465	1.4
Region 1 -----	1 857 780	.7	11 975 718	1.0	834 761	.3	765 147	6.2
Region 2 -----	3 503 752	.7	21 823 089	.7	723 004	3.5	954 758	1.8
Region 3 -----	2 226 549	1.1	14 156 249	2.0	419 261	2.1	1 178 057	4.4
Region 4 -----	2 728 385	.7	20 171 541	.8	1 256 061	1.0	1 855 572	1.3
Region 5 -----	1 696 273	.4	12 372 059	.6	1 124 764	.2	655 931	1.1
Adjuntas -----	325 931	2.2	2 424 343	2.2	32 440	5.6	41 232	10.3
Aguada -----	68 035	-	362 248	-	10 980	-	118 080	-
Aguadilla -----	51 081	-	202 703	-	6 595	-	12 870	-
Aguas Buenas -----	85 121	3.3	748 030	5.1	1 150	89.1	37 743	7.5
Albionito -----	196 931	1.8	869 921	3.7	430 189	-	14 581	35.2
Anasco -----	95 621	-	728 419	-	3 740	-	214 078	-
Arecibo -----	638 540	1.0	3 838 278	.3	230 960	7.3	140 219	2.6
Arroyo -----	47 650	-	249 119	-	43 500	-	16 877	-
Barceloneta -----	127 714	-	1 696 647	-	32 570	-	45 094	-
Barranquitas -----	249 538	2.0	1 494 728	5.2	335 295	.3	150 963	30.7
Bayamon -----	26 214	-	130 866	-	11 500	-	23 110	-
Cabo Rojo -----	200 565	-	1 228 090	-	99 560	-	31 453	-
Caguas -----	191 473	-	1 134 106	-	123 260	-	60 844	-
Camuy -----	327 553	1.4	1 467 373	1.1	75 100	-	88 660	5.6
Canovanas -----	85 142	-	499 164	-	11 150	-	34 108	-
Carolina -----	96 768	-	719 126	-	8 710	-	65 189	-
Cayey -----	116 786	1.6	685 508	3.8	148 400	-	7 935	-
Celba -----	30 943	-	199 319	-	9 000	-	18 750	-
Ciales -----	102 377	5.3	648 320	5.3	18 009	-	31 578	23.2
Cidra -----	157 068	-	1 024 814	-	178 810	-	70 212	-
Coamo -----	288 968	1.9	939 950	1.7	578 480	1.5	99 512	5.4
Comerio -----	83 449	-	356 083	-	111 463	-	37 573	-
Corozal -----	157 763	4.0	944 588	4.2	25 585	8.9	92 984	8.1
Culebra -----	3 927	-	20 675	-	-	-	1 920	-
Dorado -----	100 406	-	1 339 559	-	12 850	-	3 950	-
Fajardo -----	111 122	-	539 708	-	8 078	-	42 945	-
Florida -----	44 664	-	180 817	-	5 925	-	6 418	-
Guanica -----	27 382	-	114 515	-	38 100	-	46 024	-
Guayama -----	140 521	-	1 079 604	-	10 180	-	45 753	-
Guayanilla -----	95 845	-	645 950	-	9 250	-	22 596	-
Guaynabo -----	63 340	-	194 255	-	1 650	-	16 270	-
Gurabo -----	141 566	-	1 542 641	-	9 515	-	11 216	-
Hatillo -----	806 268	.8	4 019 037	.3	45 300	-	48 400	-
Hormigueros -----	38 605	-	370 402	-	16 200	-	7 515	-
Humacao -----	55 250	-	736 220	-	60 800	-	127 352	-
Isabela -----	210 308	9.3	1 386 029	18.8	30 120	23.1	132 083	38.2
Jayuya -----	267 383	5.8	1 510 137	8.5	101 140	2.6	27 378	18.7
Juana Diaz -----	252 150	-	1 541 632	-	28 450	-	319 491	-
Juncos -----	135 786	-	1 110 339	-	9 400	-	32 481	-
Lajas -----	204 184	-	2 028 357	-	36 841	-	228 481	-
Lares -----	414 348	2.6	2 729 449	2.1	46 810	31.3	53 080	5.4
Las Marias -----	166 174	3.7	1 084 902	3.3	9 600	-	41 171	6.9
Las Piedras -----	130 459	2.2	1 186 551	2.0	58 889	2.4	51 527	3.6
Loiza -----	17 471	-	159 486	-	4 408	-	7 167	-
Luquillo -----	35 629	-	397 775	-	6 803	-	640	-
Manati -----	257 106	-	2 192 249	-	21 000	-	52 300	-
Maricao -----	265 163	2.7	1 830 937	1.7	55 327	-	32 000	17.0
Maunabo -----	50 931	-	678 257	-	10 345	-	90 012	-
Mayaguez -----	96 144	3.4	719 357	6.8	24 400	7.4	18 925	27.7
Moca -----	129 055	5.3	552 879	4.9	19 435	-	66 634	11.9
Morovis -----	144 216	9.5	939 187	11.4	11 365	33.7	49 924	24.2
Naguabo -----	191 098	-	1 059 263	-	25 721	-	45 928	-
Naranjito -----	97 611	7.3	385 957	10.6	51 960	1.2	48 384	11.5
Orocovis -----	154 589	5.4	901 587	6.6	13 350	8.1	66 485	9.1
Patillas -----	43 232	-	337 486	-	3 200	-	15 406	-
Penuelas -----	47 743	-	231 059	-	28 230	-	21 078	-
Ponce -----	144 057	3.2	1 666 319	2.0	31 498	-	114 200	4.3
Quebradillas -----	116 811	-	524 964	-	19 675	-	15 290	-
Rincon -----	52 192	-	251 148	-	730	-	48 917	-
Rio Grande -----	105 493	-	392 828	-	24 914	-	26 318	-
Sabana Grande -----	83 936	-	293 184	-	6 240	-	9 250	-
Salinas -----	167 083	-	1 211 904	-	267 951	-	131 304	-
San German -----	106 307	3.1	892 034	2.1	20 030	6.9	43 636	5.7
San Juan -----	35 518	-	120 040	-	54 260	-	20 145	-
San Lorenzo -----	127 640	1.6	778 121	2.6	7 915	11.4	25 772	14.6
San Sebastian -----	431 797	2.3	2 111 045	2.5	41 263	11.6	126 940	6.6
Santa Isabel -----	505 739	-	5 288 444	-	12 000	-	897 046	-
Toa Alta -----	132 679	-	684 668	-	65 535	-	27 125	-
Toa Baja -----	72 005	-	1 133 836	-	50 000	-	52 363	-
Trujillo Alto -----	83 223	2.4	349 271	4.1	1 900	-	8 148	36.1
Utuado -----	379 023	3.4	2 201 564	3.1	76 889	15.3	88 570	7.9
Vega Alta -----	91 037	-	910 926	-	13 650	-	17 451	-
Vega Baja -----	145 132	-	1 385 204	-	139 381	-	335 225	-
Vieques -----	23 913	-	91 273	-	12 700	-	3 159	-
Villalba -----	103 414	2.8	627 363	2.7	200	-	23 672	8.4
Yabucoa -----	116 164	3.3	818 288	3.1	59 570	3.0	80 328	2.8
Yauco -----	278 669	2.2	2 408 231	2.5	109 542	7.5	86 027	24.7

Table B. Estimates of Reliability for Puerto Rico and Municipio Totals for Selected Items: 1982—Con.

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

Geographic area	Agricultural chemicals purchased		Hired farm workers, agregados, and sharecroppers					
	Total (dollars)	Relative standard error of estimate (percent)	Worked 5 months or more		Worked less than 5 months		Agregado and sharecropper families living on place July 1, 1983	
			Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)
Puerto Rico	6 149 722	.5	15 621	.7	34 676	1.2	3 768	1.8
Region 1	755 800	2.0	2 309	1.9	3 625	3.8	495	5.7
Region 2	1 484 859	.9	3 988	1.1	6 118	4.1	1 102	3.0
Region 3	1 062 215	1.4	2 892	2.4	9 615	1.7	784	2.7
Region 4	2 115 610	.6	4 552	1.2	12 366	1.8	847	3.7
Region 5	731 238	1.5	1 880	1.8	2 952	2.7	540	6.8
Adjuntas	349 231	1.8	546	4.8	1 521	6.0	178	11.7
Aguada	61 661	-	101	-	408	-	30	-
Aguadilla	17 739	-	51	-	115	-	13	-
Aguas Buenas	27 311	7.0	134	12.7	191	16.1	23	15.2
Aibonito	42 675	8.2	171	10.8	119	12.3	17	-
Anasco	67 870	-	179	-	587	-	51	-
Arecibo	298 201	.9	628	-	306	7.2	111	8.1
Arroyo	49 360	-	51	-	324	-	7	-
Barceloneta	191 010	-	261	-	29	-	7	-
Barranquitas	129 567	8.9	304	9.8	531	13.2	5	-
Bayamon	4 212	-	33	-	163	-	29	-
Cabo Rojo	142 885	-	185	-	503	-	45	-
Caguas	23 871	-	154	-	192	-	59	-
Camuy	65 456	1.1	204	-	285	7.0	15	-
Canovanas	21 360	-	93	-	108	-	30	-
Carolina	16 871	-	91	-	65	-	50	-
Cayey	17 274	8.3	125	5.5	152	15.0	47	15.1
Ceiba	9 611	-	48	-	19	-	2	-
Ciales	34 530	8.2	141	7.7	670	20.6	86	12.2
Cidra	36 601	-	188	-	266	-	31	-
Coamo	57 023	5.0	190	2.9	615	7.8	94	10.5
Comerio	16 586	-	96	-	179	-	23	-
Corozal	93 155	7.0	213	7.2	634	11.9	21	21.2
Culebra	300	-	4	-	10	-	-	-
Dorado	54 970	-	204	-	18	-	38	-
Fajardo	70 492	-	135	-	119	-	4	-
Florida	4 852	-	32	-	34	-	7	-
Guanica	3 133	-	34	-	95	-	8	-
Guayama	89 715	-	192	-	388	-	25	-
Guayanilla	19 595	-	142	-	634	-	42	-
Guaynabo	6 388	-	38	-	60	-	1	-
Gurabo	10 816	-	197	-	76	-	63	-
Hatillo	134 471	3.8	602	.6	244	29.4	90	7.9
Hormigueros	22 187	-	52	-	368	-	8	-
Humacao	114 561	-	93	-	270	-	26	-
Isabela	61 687	15.8	304	19.9	320	10.6	12	20.9
Jayuya	78 441	12.5	392	10.5	1 518	9.4	107	9.2
Juana Diaz	121 832	-	243	-	673	-	16	-
Juncos	14 458	-	160	-	62	-	26	-
Lajas	71 078	-	317	-	547	-	41	-
Lares	168 362	5.5	716	3.0	1 699	5.2	346	4.6
Las Marias	158 334	2.7	211	6.8	1 256	7.2	77	10.9
Las Piedras	57 108	16.2	138	8.6	251	15.3	22	20.6
Loiza	2 145	-	24	-	30	-	21	-
Luquillo	10 682	-	50	-	28	-	11	-
Manati	206 191	-	326	-	73	-	45	-
Maricao	100 682	2.8	336	3.1	1 623	5.1	138	5.3
Maunabo	87 515	-	85	-	360	-	31	-
Mayaguez	48 015	4.6	195	7.5	337	9.4	66	18.0
Moca	62 701	4.6	102	9.1	769	6.9	39	23.0
Morovis	41 988	10.1	184	10.6	353	11.1	103	16.6
Naguabo	46 124	-	180	-	151	-	41	-
Naranjito	27 196	12.9	99	13.6	343	14.7	18	33.5
Orocovis	70 116	9.8	241	9.7	713	9.9	54	20.1
Patillas	23 803	-	48	-	328	-	21	-
Penuelas	18 310	-	47	-	358	-	38	-
Ponce	82 460	5.1	265	3.9	697	5.1	76	9.2
Quebradillas	18 590	-	93	-	119	-	1	-
Rincon	34 389	-	52	-	112	-	4	-
Rio Grande	10 176	-	78	-	118	-	2	-
Sabana Grande	14 825	-	70	-	225	-	105	-
Salinas	76 855	-	171	-	551	-	28	-
San German	58 649	4.3	247	3.6	675	5.0	51	8.8
San Juan	5 578	-	44	-	40	-	14	-
San Lorenzo	28 584	6.8	110	9.0	344	11.1	29	15.3
San Sebastian	136 380	6.8	456	4.7	1 675	4.4	96	8.5
Santa Isabel	978 380	-	1 613	-	2 011	-	32	-
Toa Alta	11 828	-	131	-	168	-	24	-
Toa Baja	126 280	-	151	-	20	-	21	-
Trujillo Alto	7 732	12.4	48	14.6	113	20.2	77	32.7
Utuado	112 202	5.4	593	5.4	2 220	7.5	265	6.8
Vega Alta	59 395	-	151	-	122	-	48	-
Vega Baja	209 006	-	208	-	86	-	26	-
Vieques	1 160	-	33	-	24	-	-	-
Villaiba	20 126	4.1	171	-	739	8.7	53	6.5
Yabucoa	224 340	1.1	145	9.3	498	8.5	125	28.1
Yauco	150 479	2.6	481	3.3	2 009	5.1	132	12.7

Table B. Estimates of Reliability for Puerto Rico and Municipio Totals for Selected Items: 1982—Con.

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

Geographic area	Chemical products used for sprays, dusts, fumigants, etc., to control—						Lime	
	Insects on crops and cultivated and/or improved pastures		Diseases in crops and orchards		Weeds or grass in crops and pastures		Total (cuerdas)	Relative standard error of estimate (percent)
	Total (cuerdas)	Relative standard error of estimate (percent)	Total (cuerdas)	Relative standard error of estimate (percent)	Total (cuerdas)	Relative standard error of estimate (percent)		
Puerto Rico	81 263	.7	20 089	1.6	67 763	1.0	14 596	2.3
Region 1	7 789	3.7	2 123	7.7	5 488	2.2	2 733	4.7
Region 2	15 053	2.5	5 018	3.5	14 195	2.1	3 471	5.6
Region 3	16 427	1.6	3 394	4.5	21 018	2.8	3 853	5.2
Region 4	29 403	.9	8 400	1.7	18 578	.9	1 952	5.2
Region 5	12 292	.4	1 155	3.8	8 485	1.0	2 586	3.2
Adjuntas	1 351	4.9	488	4.4	2 212	5.0	920	4.4
Aguada	657	-	185	-	1 183	-	217	-
Aguadilla	355	-	17	-	886	-	83	-
Aguas Buenas	157	15.3	87	31.2	206	17.3	162	14.7
Albionito	142	15.9	2	-	277	-	180	12.8
Anasco	1 618	-	89	-	1 363	-	157	-
Arecibo	2 236	3.6	704	.9	2 388	.4	217	3.2
Arroyo	809	-	224	-	978	-	-	-
Barceloneta	730	-	697	-	833	-	-	-
Barranquitas	779	33.5	556	26.1	365	13.4	472	18.5
Bayamon	57	-	20	-	18	-	26	-
Cabo Rojo	1 260	-	787	-	1 837	-	18	-
Caguas	426	-	82	-	784	-	199	-
Camuy	579	8.1	92	-	1 276	.8	297	3.0
Canovanas	167	-	98	-	183	-	299	-
Carolina	144	-	23	-	181	-	112	-
Cayey	94	8.4	74	26.4	507	-	180	-
Celba	284	-	13	-	63	-	119	-
Ciales	491	15.8	108	12.8	390	20.3	237	15.8
Cidra	1 326	-	96	-	66	-	366	-
Coamo	3 179	3.7	180	9.3	433	1.0	12	-
Comerio	207	-	62	-	52	-	220	-
Corozal	1 108	7.4	423	6.4	828	11.8	373	17.5
Culebra	2	-	1	-	2	-	2	-
Dorado	544	-	53	-	586	-	300	-
Fajardo	1 323	-	48	-	732	-	61	-
Florida	331	-	-	-	52	-	-	-
Guanica	1 170	-	3	-	27	-	1	-
Guayama	1 403	-	91	-	2 484	-	29	-
Guayanilla	380	-	119	-	255	-	31	-
Guaynabo	49	-	22	-	56	-	20	-
Gurabo	248	-	30	-	125	-	96	-
Hatillo	1 453	4.0	283	-	905	5.6	239	-
Hormigueros	1 112	-	417	-	408	-	4	-
Humacao	1 271	-	280	-	931	-	31	-
Isabela	721	16.6	334	29.7	2 365	23.3	87	42.2
Jayuya	1 040	16.4	339	11.8	845	13.6	303	26.4
Juana Diaz	3 162	-	1 065	-	998	-	15	-
Juncos	337	-	5	-	348	-	290	-
Lajas	2 142	-	48	-	2 323	-	31	-
Lares	2 141	9.4	620	25.3	2 173	5.2	1 151	14.8
Las Manias	744	9.5	194	24.5	1 100	8.7	447	13.4
Las Piedras	824	1.9	265	9.6	629	6.4	85	-
Loiza	28	-	11	-	4	-	22	-
Luquillo	197	-	9	-	205	-	5	-
Manati	1 640	-	689	-	755	-	69	-
Maricao	1 155	7.0	202	-	851	6.8	582	16.4
Maunabo	225	-	77	-	909	-	18	-
Mayaguez	307	3.5	158	44.7	1 916	2.5	174	38.5
Moca	1 219	7.6	180	25.1	1 101	9.8	487	12.9
Morovis	774	23.9	77	25.1	1 602	15.0	239	26.2
Naguabo	703	-	5	-	1 062	-	29	-
Naranjito	244	12.6	68	6.5	209	11.8	56	26.8
Orocovis	946	7.1	339	19.9	592	6.7	450	15.2
Patillas	421	-	60	-	666	-	129	-
Penuelas	404	-	75	-	224	-	1	-
Ponce	4 876	2.0	529	18.6	1 083	5.9	58	15.6
Quebradillas	265	-	72	-	401	-	224	-
Rincon	47	-	29	-	741	-	102	-
Rio Grande	81	-	23	-	62	-	59	-
Sabana Grande	757	-	24	-	211	-	3	-
Salinas	2 654	-	953	-	1 833	-	3	-
San German	1 880	8.4	141	37.5	2 304	1.2	40	40.5
San Juan	16	-	10	-	14	-	13	-
San Lorenzo	350	7.8	43	21.8	1 278	3.6	391	18.0
San Sebastian	2 284	4.7	587	6.6	2 404	6.2	1 453	9.1
Santa Isabel	6 023	-	3 503	-	4 411	-	-	-
Toa Alta	287	-	48	-	109	-	8	-
Toa Baja	639	-	11	-	662	-	-	-
Trujillo Alto	189	17.5	73	30.4	70	-	69	10.4
Utuado	1 982	11.1	391	18.5	1 816	5.2	654	8.8
Vega Alta	484	-	210	-	449	-	47	-
Vega Baja	2 432	-	1 286	-	1 603	-	146	-
Vieques	5	-	4	-	49	-	2	-
Villalba	1 017	5.4	272	4.2	83	-	232	19.3
Yabucoa	6 190	.4	110	6.4	1 365	3.5	559	4.4
Yauco	2 984	3.5	502	18.7	2 075	1.7	220	2.1

APPENDIX B.

Selected Data by Current and Prior Farm Definitions: 1982 and 1978

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

Selected data	All farms			Farms with sales of \$1,200 or more		
	1982 data by 1982 farm definition	1978 data		1982 data by 1982 farm definition	1978 data	
		1982 farm definition	1978 farm definition		1982 farm definition	1978 farm definition
Farms..... number.....	21 820	18 992	31 837	12 620	11 211	11 211
Land in farms..... cuerdas.....	982 457	979 603	1 084 444	799 572	858 766	858 766
Average size of farm..... cuerdas.....	45.0	51.6	34.1	63.4	76.6	76.6
Cultivated cropland..... cuerdas.....	282 115	270 990	283 851	253 292	246 442	246 442
Average per farm..... cuerdas.....	15.5	16.2	10.6	24.0	25.4	25.4
Farms by size:						
Less than 3 cuerdas.....	3 385	1 684	6 468	748	589	589
3 to 9 cuerdas.....	6 452	5 347	11 750	3 094	2 517	2 517
10 to 19 cuerdas.....	4 554	4 788	5 714	2 860	2 455	2 455
20 to 49 cuerdas.....	3 937	3 910	4 424	2 911	2 721	2 721
50 to 99 cuerdas.....	1 549	1 409	1 537	1 255	1 195	1 195
100 to 174 cuerdas.....	858	773	814	741	706	706
175 to 259 cuerdas.....	373	382	398	342	353	353
260 cuerdas or more.....	712	699	732	669	675	675
Estimated market value of all machinery and equipment on farms..... farms.....	15 052	11 450	14 715	10 447	8 255	8 255
dollars.....	141 388 748	103 263 928	109 755 531	126 723 851	95 072 308	95 072 308
Average per farm..... dollars.....	9 393	9 019	7 459	12 130	11 517	11 517
Market value of agricultural products sold..... farms.....	21 820	18 992	27 761	12 620	11 211	11 211
dollars.....	366 394 117	287 205 198	289 051 802	360 310 601	281 858 985	281 858 985
Average per farm..... dollars.....	16 792	15 122	10 412	28 551	25 141	25 141
Crops sold..... farms.....	17 355	15 591	21 534	10 546	9 204	9 204
dollars.....	129 783 147	101 221 932	102 373 871	126 095 574	97 407 349	97 407 349
Average per farm..... dollars.....	7 478	6 492	4 754	11 957	10 583	10 583
Livestock and livestock products sold..... farms.....	9 381	8 322	11 824	5 067	5 285	5 285
dollars.....	190 666 017	159 033 680	159 642 746	188 415 574	157 630 696	157 630 696
Average per farm..... dollars.....	20 325	19 110	13 502	37 185	29 826	29 826
Poultry and poultry products sold..... farms.....	1 865	2 331	3 454	1 180	1 511	1 511
dollars.....	45 944 953	26 949 586	27 035 185	45 799 650	26 820 640	26 820 640
Average per farm..... dollars.....	24 636	11 561	7 827	38 813	17 750	17 750
Farms by value of sales:						
Less than \$500.....	1 964	1 643	10 412	-	-	-
\$500 to \$1,199.....	7 236	6 138	6 138	-	-	-
\$1,200 to \$2,499.....	4 474	4 304	4 304	4 474	4 304	4 304
\$2,500 to \$4,999.....	3 293	2 701	2 701	3 293	2 701	2 701
\$5,000 to \$7,499.....	1 302	1 054	1 054	1 302	1 054	1 054
\$7,500 to \$9,999.....	651	508	508	651	508	508
\$10,000 to \$19,999.....	1 043	852	852	1 043	852	852
\$20,000 to \$39,999.....	529	533	533	529	533	533
\$20,000 to \$24,999.....	206	201	201	206	201	201
\$25,000 to \$29,999.....	150	151	151	150	151	151
\$30,000 to \$39,999.....	173	181	181	173	181	181
\$40,000 to \$59,999.....	190	234	234	190	234	234
\$40,000 to \$49,999.....	102	129	129	102	129	129
\$50,000 to \$59,999.....	88	105	105	88	105	105
\$60,000 or more.....	1 138	1 025	1 025	1 138	1 025	1 025
Farms with sales of—						
Less than \$500..... dollars.....	755 672	478 660	2 325 264	-	-	-
\$500 to \$1,199..... dollars.....	5 327 844	4 867 853	4 867 853	-	-	-
\$1,200 to \$2,499..... dollars.....	7 743 937	7 445 940	7 445 940	7 743 937	7 445 940	7 445 940
\$2,500 to \$4,999..... dollars.....	11 469 258	9 456 389	9 456 389	11 469 258	9 456 389	9 456 389
\$5,000 to \$7,499..... dollars.....	7 886 777	6 378 798	6 378 798	7 886 777	6 378 798	6 378 798
\$7,500 to \$9,999..... dollars.....	5 588 693	4 374 372	4 374 372	5 588 693	4 374 372	4 374 372
\$10,000 to \$19,999..... dollars.....	14 262 574	11 780 895	11 780 895	14 262 574	11 780 895	11 780 895
\$20,000 to \$39,999..... dollars.....	14 580 632	14 772 489	14 772 489	14 580 632	14 772 489	14 772 489
\$20,000 to \$24,999..... dollars.....	4 569 223	4 460 540	4 460 540	4 569 223	4 460 540	4 460 540
\$25,000 to \$29,999..... dollars.....	4 055 873	4 090 733	4 090 733	4 055 873	4 090 733	4 090 733
\$30,000 to \$39,999..... dollars.....	5 955 536	6 221 216	6 221 216	5 955 536	6 221 216	6 221 216
\$40,000 to \$59,999..... dollars.....	9 324 955	11 482 777	11 482 777	9 324 955	11 482 777	11 482 777
\$40,000 to \$49,999..... dollars.....	4 468 878	5 777 611	5 777 611	4 468 878	5 777 611	5 777 611
\$50,000 to \$59,999..... dollars.....	4 856 077	5 705 166	5 705 166	4 856 077	5 705 166	5 705 166
\$60,000 or more..... dollars.....	289 453 775	216 167 025	216 167 025	289 453 775	216 167 025	216 167 025
Selected farm production expenses:						
Livestock and poultry purchased..... dollars.....	25 984 943	25 487 858	26 642 499	25 351 764	24 618 154	24 618 154
Feed purchased for livestock and poultry..... dollars.....	111 898 296	87 427 908	89 559 613	110 860 941	85 869 565	85 869 565
Commercial fertilizer purchased..... dollars.....	16 635 863	14 022 632	14 329 252	16 036 237	13 595 834	13 595 834
Agricultural chemicals purchased..... dollars.....	6 149 722	5 237 942	5 313 187	6 019 059	5 127 613	5 127 613
Gasoline and other fuel and oil products purchased..... dollars.....	12 012 739	8 802 506	9 097 947	11 795 865	8 450 289	8 450 289
Wages and salaries of hired farm workers and family members..... dollars.....	80 498 656	80 274 155	80 681 979	79 082 166	79 497 328	79 497 328
Livestock and poultry inventory:						
Dairy cattle.....	170 851	193 638	204 879	160 650	183 931	183 931
Beef and other cattle.....	164 833	128 816	153 520	138 318	113 246	113 246
Hogs and pigs.....	100 801	114 919	139 239	81 136	97 332	97 332
Sheep.....	5 667	3 276	3 653	4 583	2 967	2 967
Chicken hens of laying age.....	1 061 251	1 192 302	1 294 241	1 004 161	1 114 488	1 114 488
Cuerdas of selected crops harvested:						
Sugarcane.....	61 666	105 057	105 254	61 446	104 501	104 501
Coffee.....	81 715	80 783	83 214	76 009	72 038	72 038
Tobacco.....	250	1 500	1 527	238	1 380	1 380
Pineapples.....	3 191	2 563	2 567	3 176	2 549	2 549
All vegetables.....	6 669	5 159	5 429	6 248	4 520	4 520
Grains and farinaceous crops.....	22 099	22 083	25 760	18 827	16 526	16 526

APPENDIX C. Report Forms

O.M.B. APPROVAL NO. 0807-0423; EXPIRES 12/88

FORM **82-A1(PR)**
(1-14-83)

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. This census report cannot be used for purposes of taxation, investigation, or regulation.

A1

CENSUS OF AGRICULTURE — 1982 PUERTO RICO

A. Report Form Identification

Municipio No.	ED No.	Census use only	Farm serial number	Census use only
Municipio	Barrio			
B. Operator's Name and Mailing Address				
Name	Middle name or initial	Surnames		
P.O. Box, R.F.D. and box number, number and street				
Barrio (if needed)				
City or town			Zip code	
Census use only				
035	036	037	038	039

(Please correct errors in name, address, and ZIP code)

Section 1 CUERDAS IN THE LAST 12 MONTHS

When reporting part of a cuerda, write in whole numbers under "centésimos," never in fractions or decimals. Example: Centésimos (Cent.) 05, 10, 25, 75, 95.

1. All land owned None Cuerdas Cent.
2. Land rented (or leased) from others 049
3. Land rented (or leased) to others (Do not include cuerdas worked by sharecroppers and "agregados.") 050
4. TOTAL CUERDAS IN THIS PLACE 051
5. Land rented from others. (Give the following information for each of the landlords.) 052

Name	Address	Cuerdas	Cent.
		053	
		054	
		055	

6. Land rented to others. (Give the following information for each of the tenants.)
- | Name | Address | Cuerdas | Cent. |
|------|---------|---------|-------|
| | | 056 | |
| | | 057 | |
| | | 058 | |

7. Land managed as a salaried manager. (Give the following information concerning your employer.)
- | Name | Address | Cuerdas | Cent. |
|------|---------|---------|-------|
| | | 059 | |

Section 2 LOCATION OF AGRICULTURAL LAND OPERATED BY YOU IN THE LAST 12 MONTHS

1. Are all of your agricultural operations located in the municipio and barrio shown in item A above? No — Complete this section Yes — Go to section 3

Write name and cuerdas for principal barrio and municipio on the first line; write names and cuerdas for additional barrios and municipios in spaces provided. If necessary, continue in "Remarks" on the last page

Principal barrio and municipio	Name of barrio	Municipio	Cuerdas	Cent.
			065	
			066	
Other barrios and municipios			067	
			068	
TOTAL CUERDAS (Must equal cuerdas in section 1, item 4)			069	

Section 3 SUGARCANE

1. Was any sugarcane grown on this place during the last 12 months?

- Yes — Complete this section No — Go to section 4

- a. Fall cane
- b. Spring cane
- c. Ratoon cane
- d. Sojourn cane for seed
- e. Sojourn cane cut for feed
- f. TOTAL CANE (Add the figures entered in items "a" through "e" and enter the total in this space.)

Cuerdas harvested (1)		Tons harvested (2)	
Cuerdas	Cent.	Tons	
075		076	
077		078	
079		080	
081			
083			
085		086	

Section 4 COFFEE, TOBACCO, OR PINEAPPLES

1. Did you harvest any COFFEE, TOBACCO, OR PINEAPPLES from this place in the last 12 months?

- Yes — Complete this section No — Go to section 5

- a. Coffee grown in the shade
- b. Coffee grown in the open
- c. Tobacco
- d. Pineapples

Cuerdas harvested (1)		Amount harvested (2)	
Cuerdas	Cent.		
092		093	Lbs.
094		095	Lbs.
096		097	Lbs.
098		099	Tons

Section 5 GRAINS AND FARINACEOUS CROPS

1. Were any of the following crops harvested from this place in the last 12 months?

- a. Pigeon peas
- b. Dry beans
- c. Green beans
- d. Corn
- e. Dasheens
- f. Cassava
- g. Celeriac
- h. Sweetpotatoes
- i. Yams
- j. Taniars
- k. Rice
- l. Other — Specify _____

Cuerdas harvested (1)		Amount harvested (2)	
Cuerdas	Cent.		Pounds
105		106	
107		108	
109		110	
111		112	
113		114	
115		116	
117		118	
119		120	
121		122	
123		124	
125		126	
127		128	

Section 6 FRUITS

1. Are there any fruit trees or coconut palms on this place?
 Yes — Complete this section
 No — Go to section 7

2. How many cuerdas in bearing and nonbearing fruit trees or coconut palms are on this place? →

Total	
Cuerdas	Cent.
134	

3. Which of these fruits are now planted or were harvested in the last 12 months?

	NUMBER OF TREES OR PLANTS OF —		Amount harvested (3)	
	Nonbearing age (1)	Bearing age (2)		
a. Coconuts	135	136	137	No.
b. Grapefruits	138	139	140	No.
c. Oranges	141	142	143	No.
d. Avocados	144	145	146	No.
e. Chironjas	147	148	149	No.
f. Plantains	150	151	152	Hds.
g. Bananas	153	154	155	Hds.
h. Citron	156	157	158	Lbs.
i. Mangoes	159	160	161	No.
j. Papayas	162	163	164	Lbs.
k. Other — Specify	165	166	167	No.

Section 7 VEGETABLES

1. Did you cultivate for sale any vegetables in the last 12 months?
 Yes — Complete this section
 No — Go to section 8

2. Which of the following vegetables did you harvest from this place for sale in the last 12 months?

	Cuerdas harvested for sale (1)		Value of sales (2)	
	Cuerdas	Cent.	Dollars	only
a. Tomatoes	173		174	\$.00
b. Cucumbers	175		176	\$.00
c. String beans	177		178	\$.00
d. Lettuce	179		180	\$.00
e. Peppers	181		182	\$.00
f. Cabbage	183		184	\$.00
g. Eggplant	185		186	\$.00
h. Pumpkins	187		188	\$.00
i. Sweet cooking peppers	189		190	\$.00
j. Other vegetables	191		192	\$.00

Section 8 CULTIVATED AND/OR IMPROVED PASTURE

1. Did you have any CULTIVATED AND/OR IMPROVED PASTURE on this place in the last 12 months?
 Yes — Complete this section
 No — Go to section 9

	Cuerdas for grazing only (1)		Cuerdas cut for roughage (2)	
	Cuerdas	Cent.	Cuerdas	Cent.
a. Paragrass	198		199	
b. Guinea grass	200		201	
c. Merker grass	202		203	
d. Pangola grass	204		205	
e. Molasses grass	206		207	
f. Milo (sorghum)	208		209	
g. Elephant grass	210		211	
h. Star grass	212		213	
i. Other cultivated grasses	214		215	

Section 9 ORNAMENTAL AND FLOWERING PLANTS, CUT FLOWERS, LAWN GRASS

1. Did you grow any ORNAMENTAL or FLOWERING PLANTS or LAWN GRASS for sale on this place in the last 12 months?
 Yes — Complete this section
 No — Go to section 10

	Area used in the last 12 months			Value of sales (Dollars only) (3)
	Square feet under shade (1)	Cuerdas (2)	Cent.	
a. Lawn grass (sod)	222			223 \$.00
b. Ornamental plants	224	225		226 \$.00
c. Flowering plants (except orchids)	227	228		229 \$.00
d. Orchid plants	230	231		232 \$.00
e. Cut flowers (except orchids)	233	234		235 \$.00
f. Orchid flowers	236	237		238 \$.00

Section 10 OTHER CROPS

1. Were any other crops or agricultural products grown on this place in the last 12 months?
 Yes — Complete this section
 No — Go to section 11

	Cuerdas harvested	
	Cuerdas	Cent.
a. Crop name	244	
b. Crop name	245	

Section 11 LAND USED IN THE LAST 12 MONTHS

The purpose of this section is to distribute all land on this place among items 2 through 4 below according to the way it was used in the last 12 months.

1. "TOTAL CUERDAS IN THIS PLACE" from section 1, item 4, on page 1 →

Cuerdas	Cent.
250	

NOTE: If the same land was used for two or more purposes, report that land only once — in the first item that applies.

2. CULTIVATED CROPLAND (Include land harvested, land on which crops failed, land under cultivation whether harvested or not, land at rest, etc.)

	None	Cuerdas	Cent.
a. Used for crops or suitable for cultivation	<input type="checkbox"/>	251	
b. Cropland that lie at rest (applied to land which lie fallow)	<input type="checkbox"/>	252	

3. LAND IN PASTURES —

a. Cultivated and/or improved pastures	<input type="checkbox"/>	253	
b. Natural pastures	<input type="checkbox"/>	254	
c. Pastures overgrown with brush	<input type="checkbox"/>	255	

4. OTHER LANDS —

a. Woodland, forests, and underbrush that cannot be utilized for cultivation or pastures	<input type="checkbox"/>	256	
b. Lakes, ponds, buildings, roads, fences, or wasteland	<input type="checkbox"/>	257	

5. TOTAL CUERDAS — Add the cuerdas reported in items 2 through 4 and enter the total in this space. Total should be the same as item 1 above →

258

Section 12 IRRIGATION

1. Did you irrigate any land on this place at any time during the last 12 months?
 Yes — Complete this section
 No — Go to section 13

	None	Cuerdas	Cent.
2. Cuerdas irrigated from a PUBLIC SYSTEM	<input type="checkbox"/>	264	
3. Cuerdas irrigated from a PRIVATE SYSTEM (wells, rivers, brooks, etc.)	<input type="checkbox"/>	265	

4. Major source of water used for irrigation

266 1 Well or cistern 4 Constructed reservoirs
2 River or stream 5 Other — Specify
3 Lake or pond

Section 13 HOGS

1. Do you or anyone else have any HOGS or PIGS on this place, or were any sold in the last 12 months?
 Yes — Complete this section
 No — Go to section 14

	None	Number on this place July 1, 1983 (1)	Number sold in the last 12 months (2)
2. Hogs and piglets of all ages and sexes (The total of items 2a and 2b should be the same as that in item 2.)	<input type="checkbox"/>	272	273
a. Less than 6 months of age	<input type="checkbox"/>	274	275
b. 6 months of age and older	<input type="checkbox"/>	276	277
3. Sows and gilts kept for breeding purposes	<input type="checkbox"/>	278	
4. Boars of all ages kept for breeding purposes	<input type="checkbox"/>	280	

Section 14 CATTLE

1. Do you or anyone else have any CATTLE on this place, or were any sold from this place in the last 12 months?

- Yes — Complete this section
 No — Go to section 15

Number on this place July 1, 1983	
Dairy cattle (1)	Beef and other cattle (2)
287	288
289	290
291	292
293	294
295	296
297	298

2. Cattle and calves of all ages: (If "None," mark (X) and go to item 3.)

- a. Cows
 b. Heifers 6 months of age and older
 c. Heifer calves less than 6 months of age
 d. Bull calves less than 6 months of age
 e. Steers and bulls

INTERVIEWER: The sum of questions "2a" through "2e" should be the same as item 2 above

3. Quarts of milk sold in the last 12 months

None	299	Quarts sold
------	-----	-------------

4. Cattle sold from this place in the last 12 months (Include those fed by contract and taken from this place in the last 12 months.)

Number on this place July 1, 1983	
Dairy cattle sold	Beef and other cattle sold
301	302
303	304

- a. Bull calves and heifer calves
 b. All other cattle except calves

Section 15 OTHER LIVESTOCK

1. Do you or anyone else have any HORSES, SHEEP, GOATS, BEES, or other livestock on this place, or were any sold in the last 12 months? (Include all ages and sexes.)

- Yes — Complete this section
 No — Go to section 16

2. Specify

Code	Number on this place July 1, 1983 (1)	Number sold in the last 12 months (2)

LIST OF ENTRIES

Name	Code	Name	Code
Horses	304	Hives of bees	308
Mules and donkeys	305	Honey (lbs.)	309
Sheep of both sexes	306	Rabbits	310
Goats of both sexes	307	Other — Specify	311

Section 16 POULTRY

1. Do you or anyone else have any CHICKEN HENS, PULLETS, ROOSTERS, BROILERS, or other poultry on this place or were any sold from this place in the last 12 months?

- Yes — Complete this section
 No — Go to section 17

2. How many —

- a. Layers (Do not include started pullets raised for sale.)
 (1) Less than 1 year old?
 (2) 1 year old or older?
 b. Started pullets? (Include those raised for sale only.)
 c. Fighting cocks?
 d. Other roosters?
 e. Broilers?
 f. Other fowl? (Turkeys, pigeons, guineas, etc.)
 g. Chicken eggs?

Number on this place July 1, 1983		Total sold in the last 12 months (Include poultry fed on a contract basis and taken from this place in the last 12 months.)
(1)	(2)	(3)
320	321	
322	323	
324	325	
326	327	
328	329	
330	331	
332	333	
		335 Dozens

Section 17 TYPE OF FARM ORGANIZATION

Which of the following best describes the type of your farm organization?

- INDIVIDUAL OR FAMILY FARM
 PARTNERSHIP
 CORPORATION
 OTHER Estate, cooperative, other type — Specify

Section 18 SALES

What was the total market value of agricultural products sold from this place in the last 12 months, before taxes and expenses?

	Dollars only
1. Sugarcane	347 \$.00
2. Tobacco	348 \$.00
3. Coffee	349 \$.00
4. Pineapples	350 \$.00
5. Grains and farinaceous crops (Do not include plantains and bananas, they are included in item 6.)	351 \$.00
6. Fruits — coconuts, oranges, grapefruits, plantains, bananas, papayas, citrons, avocados, West Indies cherries, etc.	352 \$.00
7. Poultry and poultry products — broilers, other chickens, eggs, turkeys, etc.	353 \$.00
8. Dairy products — milk, cheese, etc. (Do not include goat milk here, it should be included in item 12.)	354 \$.00
9. Cattle and calves	355 \$.00
10. Hogs	356 \$.00
11. Sheep and goats	357 \$.00
12. Other livestock and livestock products — horses, mules, bees, honey, goat milk, etc. — Specify	358 \$.00
13. Any other agricultural products sold — wood, hay, forage, silage, molasses, etc. — Specify	359 \$.00

Section 19 OTHER FARM RELATED INCOME

How much did you receive in the last 12 months from the following?

	Dollars only
1. Custom farm work done for others, such as: plowing, planting, spraying, harvesting, preparation of products for market, etc.	385 \$.00
2. Recreational services, such as: providing hunting, fishing, picnicking, camping, boarding and lodging, or other recreational facilities on this place	386 \$.00
3. For renting out farm land (Include payments for livestock pastured on a per-head basis, monthly payments, or through any other arrangement.)	387 \$.00
4. For participation in Government farm programs (Include only payments received from the Federal or Puerto Rican government.)	388 \$.00

Section 20 FARM OPERATOR CHARACTERISTICS

All these questions refer to the person who operates this farm.

1. In what year did you start operating this land? 394 _____ Year
2. Do you (the operator) live — 395 On this place? In a city or town?
 On another farm? Outside of Puerto Rico?
 In a rural area but not on a farm?
3. How old are you (the operator) now? 396 _____ Years old
4. Highest grade or year of school completed? 397 0 1 2 3 4 5 6 Elementary school
 7 8 9 10 11 12 Secondary school
 13 14 15 16 17 and over College or University
5. How many days did the operator (or the person in charge) WORK OFF this place at least 4 hours per day in the last 12 months? 398 None 75–99
 1–24 100–149
 25–49 150–199
 50–74 200 days or more
6. What did the largest part of your (the operator's) total income come from in the last 12 months? 399 The sale of agricultural products (crops, livestock, poultry, milk, etc.)
 Other farm-related income
 Nonfarm-related income
7. What percent of your (the operator's) gross income received in the last 12 months came from farming? 400 Less than 25% 50% to 74%
 25% to 49% 75% or more
8. What is your (the operator's) main occupation? 401 Agricultural
 Nonagricultural — Specify

These questions are to be filled by CENSUS ENUMERATOR.

- a. Does A1 number end in 2 or 7? Yes No
 b. Are cuerdas in section 1, item 4, 50 or more? Yes No

Section 21 PRODUCTS FOR HOME CONSUMPTION

Include all animals, products, and crops consumed or given away during the last week.

Did you consume or give away any of the following during the last week?

1. How many — None

a. Quarts of milk? 402 Quarts

b. Chicken eggs? 403 Dozens

2. Livestock or poultry slaughtered or given away —

a. Cattle and calves? 404 Number

b. Hogs and pigs? 405 Number

c. Chickens, turkeys, pigeons, guineas, or others? 406 Number

d. Sheep? 407 Number

e. Goats? 408 Number

f. Rabbits? 409 Number

3. Crops —

a. Coffee? 410 Lbs.

b. Plantains? 411 Hds.

c. Bananas? 412 Hds.

Section 22 INSECTICIDES, HERBICIDES, FUNGICIDES, OTHER PESTICIDES, LIME, AND OTHER CHEMICALS

Include the materials bought by you, the landlord, or any other person if it was applied by contract. For each item listed, report the cuerdas only once.

Did you use any of these chemical products on this place in the last 12 months?

	Tons used (1)	Cuerdas on which used (2)	
		Cuerdas	Cent.
1. Lime (Do not include gypsum or lime used for sanitation.)	413	414	
2. Chemical products used for spraying, dusting, fumigants, etc. (in the form of powder, liquid, or gas), to control —		415	
a. Insects on crops, cultivated and improved pastures		416	
b. Diseases in crops and orchards (blights, smuts, rusts, etc.)		417	
c. Weeds or grass in crops and pastures			

Section 23 EXPENSES

Include your estimate of expenses paid by you as well as others (landlord contractors, buyers, etc.) for crops, livestock, or livestock products produced on this place.

How much did you spend in the last 12 months for the following?

	Dollars only	
1. Livestock and poultry purchased — cattle, calves, hogs, pigs, sheep, lambs, goats, horses, baby chicks, started pullets, etc.	418	\$.00
2. Feed purchased for livestock and poultry — grain, hay, silage, mixed feeds, concentrates, etc.	419	\$.00
3. Medicines and drugs purchased for livestock and poultry	420	\$.00
4. Seeds, bulbs, plants, and trees purchased	421	\$.00
5. Commercial fertilizers	422	\$.00
6. Gasoline and other fuel and oil products purchased for the farm business — Diesel oil, LP gas, butane, propane, piped gas, kerosene, fuel oil, motor oil, grease, etc. (Do not include costs for items used in the family home or automobile.)	423	\$.00
7. Wages and salaries paid to employees or hired farm workers. (Include money paid in cash for farm labor including payments to family members and for Social Security taxes. Do not include housework or contract work.)	424	\$.00
8. Contract labor (Include expenditures primarily for farm labor performed on a contract basis by a contractor, corporation or cooperative, etc.)	425	\$.00
9. Machine hire and customwork such as plowing, planting, harvesting, silo filling, spraying and dusting chemical products, etc.	426	\$.00
10. Agricultural chemicals purchased	427	\$.00

Section 24 MACHINERY, EQUIPMENT, BUILDINGS, AND FACILITIES ON THIS PLACE JULY 1, 1983

1. How many of the following were on this place July 1, 1983? (Include all machinery, equipment, and facilities on the place, regardless of ownership, provided it was in working order.)

	None	Number
A. Selected Machinery and Equipment		
1. Automobiles, jeeps, pick-up and motor trucks	<input type="checkbox"/>	432
2. Rubber tired wheel tractors	<input type="checkbox"/>	433
3. Crawler tractors	<input type="checkbox"/>	434
4. Carts (oxen or tractor drawn)	<input type="checkbox"/>	435
5. Coffee depulpers	<input type="checkbox"/>	436
6. Mechanical coffee dryers	<input type="checkbox"/>	437
7. Solar or air coffee dryers	<input type="checkbox"/>	438
8. Mechanical coffee washers	<input type="checkbox"/>	439
9. Milking machines	<input type="checkbox"/>	440
10. Milk coolers	<input type="checkbox"/>	441
11. Emergency electric power plants	<input type="checkbox"/>	442
B. Selected Buildings and Facilities		
1. Storage buildings for crops	<input type="checkbox"/>	443
2. Buildings for machinery	<input type="checkbox"/>	444
3. Houses for agregados and other workers	<input type="checkbox"/>	445

2. What is the estimated market value of ALL machinery and equipment, usually kept on this place and used for the farm business? (Include cars, trucks, tractors, plows, disks, harrows, dryers, pumps, motors, irrigation equipment, dairy equipment including milkers and milk coolers, livestock feeders, grinding and mixing equipment, etc.)

Estimated market value (Dollars only)

446 \$.00

Section 25 HIRED WORKERS, AGREGADOS, AND SHARECROPPERS

1. In the last 12 months, did you hire any workers to do farm work on this place (do not include employees of labor contractors who did work for you), or was any agregado family or sharecropper living on this place July 1, 1983?

- Yes — Complete this section
 No — Go to section 26

	None	Number
2. Of the hired workers, how many worked on this place —		
a. 5 months or more?	<input type="checkbox"/>	452 Workers
b. Less than 5 months?	<input type="checkbox"/>	453 Workers
3. How many agregado or sharecropper families were living on this place July 1, 1983?	<input type="checkbox"/>	454 Families

REMARKS — Make any remarks you feel are necessary concerning this farm; the owner or manager; the crops, output per cuerda, size of farm; and name and address of the owner if the land is managed or leased; etc.

Section 26 PERSON COMPLETING THIS FORM — Please print

Name _____ Date _____

Telephone _____ Area code _____ Number _____

FORMULARIO 82-A1 (PR)SP DEPARTAMENTO DE COMERCIO DE LOS ESTADOS UNIDOS NEGOCIADO DEL CENSO

A1

CENSO DE AGRICULTURA — 1982 PUERTO RICO

AVISO — La contestación a esta encuesta es requerida por ley del Congreso de los Estados Unidos (U.S.C., título 13). Por la misma ley, su informe al Negociado del Censo es confidencial. Solamente puede ser visto por empleados juramentados del Censo y puede ser usado solamente para propósitos estadísticos. Este informe censal no puede ser usado para propósitos de impuestos, investigación o reglamentación.

A. Identificación del Informe Censal

Número del municipio	Número del DE	USO DEL CENSO	Número de serie de la finca	USO DEL CENSO
Municipio	Barrio			

B. Nombre y Dirección de Correos del Operador

Nombre: Inicial o segundo nombre | Apellidos

Apartado postal, ruta y apartado rural, calle y número

Barrio (si es necesario)

Ciudad o pueblo | Clave ZIP

USO DEL CENSO SOLAMENTE

035	036	037	038	039
-----	-----	-----	-----	-----

(Tenga la bondad de corregir errores en el nombre, dirección, y clave ZIP)

Sección 1 CUERDAS EN LOS ÚLTIMOS 12 MESES

Quando sea necesario informar parte de una cuerda, hágalo en números enteros bajo "centésimos" y no en fracciones o decimales. Ejemplo: Centésimos (Cent.) 05, 10, 25, 75, 95

Ninguna	Cuerdas	Cent.
	049	
	050	
	051	
	052	

- TOTAL DE TIERRA DE SU PROPIEDAD** (Entrevistador: Si el operador es un administrador asalariado, anote toda la tierra administrada en la "partida 1 — Tierra de su propiedad" y anote esta cantidad en la "partida 4 — Total de cuerdas en este lugar.")
- TIERRA RENTADA (O ARRENDADA) DE OTROS**
- TIERRA RENTADA (O ARRENDADA) A OTROS.** (No incluya las cuerdas trabajadas por medianeros y "agregados.")
- TOTAL DE CUERDAS EN ESTE LUGAR** (Entrevistador: Sume la tierra de su propiedad (partida 1) a tierra arrendada de otros (partida 2), réstele la cantidad de tierra arrendada a otros (partida 3) y anote el total aquí. Para tierra administrada anote la cantidad de la partida 1.)
- TIERRA RENTADA DE OTROS** (Dé la siguiente información para cada uno de los dueños de tierra.)

Nombre	Dirección	Cuerdas	Cent.
		053	
		054	
		055	

- TIERRA RENTADA A OTROS** (Dé la siguiente información para cada uno de los arrendatarios.)

Nombre	Dirección	Cuerdas	Cent.
		056	
		057	
		058	

- TIERRA ADMINISTRADA COMO ADMINISTRADOR ASALARIADO** (Dé la siguiente información concerniente a su patrón.)

Nombre	Dirección	Cuerdas	Cent.
		059	

Sección 3 CAÑA DE AZUCAR

1. ¿Se produjo alguna CAÑA DE AZUCAR en este lugar en los últimos 12 meses?

Sí — Llene esta sección
 No — Pase a la sección 4

Cuerdas cosechadas (1)	Cuerdas		Toneladas cosechadas (2)
	Ninguna	Cent.	
	075		076
	077		078
	079		080
	081		
	083		
	085		086

- Caña de gran cultura
- Caña de primavera
- Caña de retoños
- Caña quedada para semilla
- Caña quedada cortada para forraje
- CAÑA TOTAL** (Sume las anotaciones de las preguntas "a" a la "e" y anote el total aquí.)

Sección 4 CAFE, TABACO, O PIÑAS

1. ¿Cosechó usted algún CAFE, TABACO, O PIÑAS en este lugar en los últimos 12 meses?

Sí — Llene esta sección
 No — Pase a la sección 5

Cuerdas cosechadas (1)	Cuerdas		Cantidad cosechada (2)
	Ninguna	Cent.	
	092		093 Lbs.
	094		095 Lbs.
	096		097 Lbs.
	098		099 Tons

- Café bajo sombra
- Café sin sombra
- Tabaco
- Piñas

Sección 2 LOCALIZACIÓN DE LOS TERRENOS AGRICOLAS QUE OPERABA EN LOS ÚLTIMOS 12 MESES

1. ¿Estaban todos los terrenos agrícolas situados en el municipio y barrio indicado en la partida A, arriba? No — Llene esta sección Sí — Pase a la sección 3

Anote en la primera línea el barrio y el municipio donde mantenía las operaciones principales, anote luego los barrios y municipios adicionales en los espacios provistos. Si es necesario, continúe en "Comentarios" en la última página

Barrio y municipio principal	Nombre del barrio	Municipio	Cuerdas	Cent.
			065	
			066	
Otros barrios y municipios			067	
			068	
TOTAL DE CUERDAS (Debe ser igual al número de cuerdas en la sección 1, partida 4)			069	

Sección 5 GRANOS Y FARINACEOS

1. ¿Se cosechó en este lugar en los últimos 12 meses algunos de los siguientes productos?

Cuerdas cosechadas (1)	Cuerdas		Cantidad cosechada (2)
	Ninguna	Cent.	
	105		106 Libras
	107		108
	109		110
	111		112
	113		114
	115		116
	117		118
	119		120
	121		122
	123		124
	125		126
	127		128

- Gandures
- Habichuelas secas
- Habichuelas verdes
- Maíz
- Malangas
- Yucas
- Apio
- Batatas
- Ñames
- Yautias
- Arroz
- Otros — Especifique

Sección 6 FRUTAS

1. ¿Hay árboles frutales o palmas de cocos en este lugar?

- Sí - Llene esta sección
 No - Pase a la sección 7

2. ¿Cuántas cuerdas de árboles frutales o palmas de cocos en producción y no en producción hay en este lugar?

Total	
Cuerdas	Cent.
134	

3. ¿Cuáles de estas frutas tiene sembradas o cosechó en esta finca en los últimos 12 meses?

	NUMERO DE ARBOLES O MATAS -		Cantidad cosechada (3)
	No en producción (1)	En producción (2)	
Ninguna			
a. Cocos	135	136	137 Núm.
b. Toronjas	138	139	140 Núm.
c. Chinas	141	142	143 Núm.
d. Aguacates	144	145	146 Núm.
e. Chironjas	147	148	149 Núm.
f. Plátanos	150	151	152 Cientos
g. Guineos	153	154	155 Cientos
h. Cidra	156	157	158 Lbs.
i. Mangos	159	160	161 Núm.
j. Papayas	162	163	164 Lbs.
k. Otras - Especifique	165	166	167 Núm.

Sección 7 VEGETALES

1. ¿Cultivó usted algunos vegetales (hortalizas) para la venta en los últimos 12 meses?

- Sí - Llene esta sección
 No - Pase a la sección 8

2. ¿Cuáles de los siguientes vegetales (hortalizas) cosechó usted para la venta en este lugar en los últimos 12 meses?

	Cuerdas cosechadas para la venta (1)		Valor de la venta (2)	
	Cuerdas	Cent.	Dólares únicamente	Cent.
Ninguna				
a. Tomates	173		174 \$	.00
b. Pepinillos	175		176 \$	.00
c. Habichuelas tiernas	177		178 \$	.00
d. Lechugas	179		180 \$	.00
e. Pimientos	181		182 \$	.00
f. Repollos	183		184 \$	.00
g. Berenjenas	185		186 \$	.00
h. Calabazas	187		188 \$	.00
i. Aji dulce	189		190 \$	.00
j. Otros vegetales	191		192 \$	.00

Sección 8 PASTOS CULTIVADOS Y/O MEJORADOS

1. ¿Tuvo usted algún terreno en PASTOS CULTIVADOS y/o MEJORADOS en este lugar en los últimos 12 meses?

- Sí - Llene esta sección
 No - Pase a la sección 9

	Cuerdas para pastoreo solamente (1)		Cuerdas cortadas para forraje (2)	
	Cuerdas	Cent.	Cuerdas	Cent.
Ninguna				
a. Malojillo	198		199	
b. Guinea	200		201	
c. Merker	202		203	
d. Pangola	204		205	
e. Yaraguá	206		207	
f. Millo (sorghums)	208		209	
g. Yerba elefante	210		211	
h. Estrella	212		213	
i. Otras yerbas cultivadas	214		215	

Sección 9 PLANTAS ORNAMENTALES Y DE FLORES, GRAMA PARA CESPED

1. ¿Tenía usted sembradas para la venta PLANTAS ORNAMENTALES o DE FLORES, o GRAMA PARA CESPED en este lugar en los últimos 12 meses?

- Sí - Llene esta sección
 No - Pase a la sección 10

	Area usada en los últimos 12 meses			Valor de las ventas (Dólares únicamente) (3)
	Pies cuadrados bajo sombra (1)	Cuerdas (2)	Cent.	
Ninguna				
a. Grama para césped	222			223 \$.00
b. Plantas ornamentales	224	225		226 \$.00
c. Plantas de flores (no incluya orquídeas)	227	228		229 \$.00
d. Plantas de orquídeas	230	231		232 \$.00
e. Flores (no incluya orquídeas)	233	234		235 \$.00
f. Orquídeas	236	237		238 \$.00

Sección 10 OTROS PRODUCTOS AGRICOLAS

1. ¿Se cosechó algún otro producto agrícola en este lugar en los últimos 12 meses?

- Sí - Llene esta sección
 No - Pase a la sección 11

	Cuerdas cosechadas	
	Cuerdas	Cent.
a. Nombre del producto agrícola cosechado	244	
b. Nombre del producto agrícola cosechado	245	

Sección 11 USO DEL TERRENO EN LOS ULTIMOS 12 MESES

El propósito de esta sección es el de distribuir toda la tierra en este lugar entre las partidas 2 a la 4 a continuación, de acuerdo al uso que se le dió en los últimos 12 meses.

1. "TOTAL DE CUERDAS EN ESTE LUGAR" viene de la sección 1, partida 4, página 1

Cuerdas	Cent.
250	

RECORDATORIO: Si el mismo terreno se utilizó para dos o más propósitos, informe ese terreno sólo una vez - en la primera partida que se aplique.

2. TERRENO CULTIVADO (Incluya el terreno cosechado, terreno donde los cultivos se perdieron, terreno bajo cultivo, haya sido o no cosechado, terreno en descanso, etc.)

	Cuerdas	Cent.
Ninguna		
a. Terrenos en cultivos o terrenos cultivables	251	
b. Terreno en descanso (se aplica a terreno en barbecho)	252	
3. TERRENO EN PASTO -	253	
a. Pastos cultivados y/o mejorados	254	
b. Pastos naturales	255	
c. Pastos naturales enmalezados	256	
4. OTROS TERRENOS -	257	
a. Montes, bosques y malezas que no se pueden utilizar para cultivos o pastos	258	
b. Lagos, charcas, edificaciones, caminos, cercas o terrenos baldíos		
5. TOTAL DE CUERDAS - Sume las cuerdas informadas en las partidas 2 a la 4 y anote el total aquí. El total debe ser igual a la partida 1 de esta sección.		

Sección 12 RIEGO

1. ¿REGO usted algún terreno en este lugar durante los últimos 12 meses?

- Sí - Llene esta sección
 No - Pase a la sección 13

	Cuerdas	Cent.
Ninguna		
2. Cuerdas que se regaron utilizando SISTEMAS DE RIEGO PUBLICO	264	
3. Cuerdas que se regaron utilizando SISTEMAS DE RIEGO PRIVADO (de pozos profundos, ríos, riachuelos, etc.)	265	

4. Fuente principal de abasto de agua para regar

- 266 1 Pozo o cisterna 4 Estanques
 2 Río o quebrada 5 Otro - Especifique
 3 Lago o charca

Sección 13 CERDOS

1. ¿Tiene usted o cualquiera otra persona CERDOS o CERDITOS en este lugar, o se vendió alguno en los últimos 12 meses?

- Sí - Llene esta sección
 No - Pase a la sección 14

2. Cerdos y cerditos de todas las edades y sexos (La suma de los totales en las partidas "2a" y "2b" debe ser igual a la partida 2.)

	Había en este lugar el 1 de julio de 1983 (1)	Fueron vendidos en los últimos 12 meses (2)
Ninguna		
a. Menores de seis meses de edad	272	273
b. De seis meses o más de edad	274	275
3. Cerdas paridoras y cerditas retenidas para la crianza	276	277
4. Padrotes de todas las edades retenidos para la crianza	278	
	280	

Sección 14 GANADO VACUNO

1. ¿Tiene usted o cualquiera otra persona algún GANADO VACUNO en este lugar, o se vendió alguno de este lugar en los últimos 12 meses?

Sí - Llene esta sección
 No - Pase a la sección 15

	Número en este lugar el 1 de julio de 1983	
	Ganado para leche (1)	Ganado para carne y otro ganado (2)
2. Ganado y novillos de todas las edades: (Si "Ninguno," marque (X) y pase a la partida 3 de esta sección)	Ninguno 287	288
a. Vacas	289	290
b. Novillas de 6 meses o más de edad	291	292
c. Becerras de menos de 6 meses de edad	293	294
d. Becerros de menos de 6 meses de edad	295	296
e. Novillos y toros	297	298

ENTREVISTADOR La suma de las preguntas "2a" a la "2e" debe ser igual al total en la partida 2

3. Cuartillos de leche vendidos durante los últimos 12 meses Ninguno 299 Cuartillos vendidos

4. Ganado vacuno de este lugar vendido en los últimos 12 meses (Incluya aquéllos que fueron alimentados por contrato y se los llevaron de este lugar en los últimos 12 meses.)

	Ganado lechero vendido	Ganado para carne y otros vendidos
a. Becerros y becerras	300	301
b. Todo otro ganado excluyendo becerros y becerras	302	303

Sección 15 OTROS ANIMALES DE LA FINCA

1. ¿Tiene usted o alguna persona CABALLOS, OVEJAS, CABROS, ABEJAS, u otra clase de ganado en este lugar, o se vendió alguno en los últimos 12 meses? (Incluya todas las edades y sexos.)

Sí - Llene esta sección
 No - Pase a la sección 16

	Código	Había en este lugar el 1 de julio de 1983 (1)	Fueron vendidos en los últimos 12 meses (2)
2. Especifique			

OTRA CLASE DE GANADO

Nombre	Código	Nombre	Código
Caballos	304	Colmenas de abejas	312
Mulas y burros	306	Miel de abejas	314
Ovejas de ambos sexos	308	Conejos	316
Cabros de ambos sexos	310	Otros - Especifique	318

Sección 16 AVES

1. ¿Tiene usted o cualquiera otra persona GALLINAS, POLLONAS, GALLOS, POLLLOS, o cualquiera otra ave en este lugar, o se vendió alguna de este lugar en los últimos 12 meses?

Sí - Llene esta sección
 No - Pase a la sección 17

	Había en este lugar el 1 de julio de 1983 (1)	Fueron vendidas en los últimos 12 meses (Incluya las aves que fueron alimentadas a base de contrato y se llevaron de este lugar en los últimos 12 meses.) (2)
2. ¿Cuántas -	Ninguno	
a. Gallinas ponedoras (No incluya pollonas criadas para la venta.)	320	321
(1) Menores de un año de edad?	322	323
(2) De un año de edad o más?	324	325
b. Pollonas? (Incluya las que se crían para la venta solamente.)	326	327
c. Gallos de pelea?	328	329
d. Otros gallos?	330	331
e. Pollos?	332	333
f. Otras aves? (Pavos, palomas, guineas, etc.)		335
g. Huevos de gallina?		Docenas

Sección 17 TIPO DE ORGANIZACION DE LA FINCA

¿Cuál de estas declaraciones describe mejor el tipo de organización de su finca?

FINCA INDIVIDUAL O DE FAMILIA 341 1

SOCIEDAD 2 2

CORPORACION 3 3

OTRO 4 4 Sucesión, cooperativa, otro tipo - Especifique

Sección 18 VENTAS

¿Cuál fué el valor total en el mercado de los productos agrícolas vendidos de este lugar en los últimos 12 meses, antes de descontar los impuestos y gastos?

	Dólares únicamente
1. Caña de azúcar	347 \$.00
2. Tabaco	348 \$.00
3. Café	349 \$.00
4. Piñas	350 \$.00
5. Granos y productos farináceos (No incluya plátanos ni guineos; se incluyen en la partida 6.)	351 \$.00
6. Frutas - cocos, chinás, toronjas, plátanos, guineos, papayas, cidras, aguacates, acerolas, etc.	352 \$.00
7. Aves y productos derivados - pollos para carne, gallinas, huevos, pavos, etc.	353 \$.00
8. Productos derivados del ganado vacuno - leche, queso, etc. (No informe la leche de cabra aquí; se incluye en la partida 12.)	354 \$.00
9. Ganado vacuno	355 \$.00
10. Cerdos	356 \$.00
11. Ovejas, y cabros	357 \$.00
12. Otros animales y sus productos - caballos, mulas, abejas, miel, leche de cabra, etc. - Especifique	358 \$.00
13. Otros productos agrícolas vendidos - madera, heno, forraje, ensilaje, mieles, etc. - Especifique	359 \$.00

Sección 19 OTROS INGRESOS RELACIONADOS CON LA FINCA

¿Cuánto recibió usted en los últimos 12 meses de lo siguiente?

	Dólares únicamente
1. Por servicios agrícolas provistos a otros, tales como: arando, sembrando, fumigando, cosechando, preparación de productos para venderse en el mercado, etc.	365 \$.00
2. Por servicios recreativos, tales como: proveyendo facilidades de caza, pesca, jiras, campamento, casa de huéspedes, posadas u otras actividades recreativas que se ofrecen en el lugar	366 \$.00
3. Por rentar terrenos agrícolas a otros (Incluya pagos recibidos por el alquiler de terrenos para pastar ganado, ya sea a base de cabeza de ganado, pagos mensuales, o de cualquier otro acuerdo.)	367 \$.00
4. Por participar en los programas agrícolas auspiciados por el gobierno (Incluya sólo los pagos recibidos del Gobierno de Puerto Rico o Federal.)	368 \$.00

Sección 20 CARACTERISTICAS DEL OPERADOR DE LA FINCA

Todas estas preguntas se relacionan a la persona que opera esta finca.

1. ¿En qué año empezó usted a operar estos terrenos? 394 _____ Año

2. ¿Dónde vive usted (el operador de estos terrenos)? 395 1 En estos terrenos? 4 En la ciudad o pueblo?
 2 En otra finca? 5 Fuera de Puerto Rico?
 3 En la zona rural, pero no en una finca?

3. ¿Qué edad tiene usted (el operador) ahora? 396 _____ Años de edad

4. Grado o año escolar más alto que completó (Marque un encasillado) 397

<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	Escuela elemental
<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	<input type="checkbox"/> 11	<input type="checkbox"/> 12		Escuela secundaria
<input type="checkbox"/> 13	<input type="checkbox"/> 14	<input type="checkbox"/> 15	<input type="checkbox"/> 16	<input type="checkbox"/> 17	o más		Años de colegio o universidad

5. ¿Cuántos días el operador (o persona encargada) TRABAJÓ FUERA de este lugar por lo menos 4 horas diarias en los últimos 12 meses? (Incluya trabajos en tareas no agrícolas, negocio, o trabajo en otra finca. No incluya trabajo de ayuda mutua.) 398

<input type="checkbox"/> 1 Ninguno	<input type="checkbox"/> 5 75-99
<input type="checkbox"/> 2 1-24	<input type="checkbox"/> 6 100-149
<input type="checkbox"/> 3 25-49	<input type="checkbox"/> 7 150-199
<input type="checkbox"/> 4 50-74	<input type="checkbox"/> 8 200 días o más

6. ¿De qué partida procedió la mayor parte de los ingresos totales recibidos por usted (el operador) en los últimos 12 meses? 399 1 De ventas de productos agrícolas (cosechas, ganado, aves, leche, etc.)
 2 De otros ingresos relacionados con la finca
 3 De ingresos no relacionados con la finca

7. ¿Qué por ciento de los ingresos totales (bruto) recibidos por usted (el operador) en los últimos 12 meses fueron derivados de la agricultura? 400 1 Menos de 25% 3 50% a 74%
 2 25% a 49% 4 75% o más

8. ¿Cuál es su (el operador) ocupación principal? 401 1 Agrícola
 2 No agrícola - Especifique

Estas preguntas deberán ser contestadas por el ENUMERADOR DEL CENSO.

- a. ¿El número de la A1 termina en 2 o en 7? Sí No
 b. ¿Las cuerdas que se informan en la sección 1, partida 4, son 50 o más? Sí No

Sección 21 PRODUCTOS PARA EL CONSUMO DEL HOGAR

Incluya todo animal o sus productos y cosechas consumidos o regalados durante la semana pasada.

¿Consumió usted o regaló algunos de los siguientes durante la semana pasada?

1. ¿Cuántos —	Ninguno	402	
a. Cuartillos de leche?	<input type="checkbox"/>		Cuartillos
b. Huevos de gallinas?	<input type="checkbox"/>	403	Docenas
2. ¿Ganado o aves que fueron sacrificados o regalados —		404	Número
a. Ganado adulto y novillos?	<input type="checkbox"/>		
b. Cerdos y cerditos?	<input type="checkbox"/>	405	Número
c. Pollos, gallinas, pavos, palomas, guineas o cualquier otra ave?	<input type="checkbox"/>	406	Número
d. Ovejas?	<input type="checkbox"/>	407	Número
e. Cabros?	<input type="checkbox"/>	408	Número
f. Conejos?	<input type="checkbox"/>	409	Número
3. ¿Cosechas —		410	Lbs
a. Café?	<input type="checkbox"/>		
b. Plátanos?	<input type="checkbox"/>	411	Cientos
c. Guineos?	<input type="checkbox"/>	412	Cientos

Sección 22 INSECTICIDAS, YERBICIDAS, FUNGICIDAS, OTROS PESTICIDAS, CAL Y OTROS PRODUCTOS QUÍMICOS

Incluya los comprados por usted, el dueño del terreno, o por otras personas si se ha contratado la aplicación. Por cada renglón enumerado, informe el número de cuerdas sólo una vez.

¿Usó usted algunos de los siguientes productos químicos en este lugar en los últimos 12 meses?

	Toneladas usadas (1)	Cuerdas en las cuales fueron usados (2)	
		Cuerdas	Cent
1. Cal (No incluya yeso o cal usada para saneamiento.)	413	414	
2. Productos químicos que se usan para asperjar, rociar, fumigar, etc. (en polvo, líquido o en estado gaseoso) para controlar —		415	
a. Los insectos en cosechas, en pastos cultivados y mejorados		416	
b. Las enfermedades de las cosechas y de los huertos (añublo, tizón, manchas, moho, etc.)		417	
c. La maleza y las malas yerbas en los cultivos y en el pasto			

Sección 23 GASTOS

Incluya estimado de gastos costeados por el agricultor como también por otros (propietario, contratista, comprador, etc.) en cosechas, ganado o productos de ganado que se produjeron en este lugar.

¿Cuántos dólares gastó en los últimos 12 meses en lo siguiente?

	Dólares únicamente
1. En comprar ganado y aves — ganado vacuno, cerdos, cerditos, cabros, caballos, gallinas, pollitos, pollonas, etc.	418 \$.00
2. En alimentos para ganado y aves — granos, heno, ensilaje, alimentos mezclados, concentrados, etc.	419 \$.00
3. Medicamentos o drogas compradas para el ganado y aves	420 \$.00
4. En comprar semillas, bulbos, plantas y arbolitos	421 \$.00
5. En comprar abonos comerciales	422 \$.00
6. En gasolina y otros productos de petróleo comprados para el uso del negocio de la finca — Aceite Diesel, LP gas, butano, propano, gas kerosina, aceite combustible, aceite de motor, grasa, etc. (No incluya los gastos en estos productos para el uso de la vivienda o el automóvil de la familia.)	423 \$.00
7. En jornales y salarios a empleados y obreros de la finca. (Incluya todo el dinero que pagó en efectivo por trabajo en la finca, incluyendo pagos a miembros de la familia, y pagos por Seguro Social. No incluya trabajo doméstico, ni trabajo por contrato.)	424 \$.00
8. En trabajo por contrato. (Incluya gastos relacionados principalmente por labores agrícolas a base de contratos hechos con un contratista, corporación, cooperativa, etc.)	425 \$.00
9. En alquiler de maquinaria y en trabajo hecho según pedido (customwork) tales como arado, sembrado, cosechado, preparación de sielos, rociado y pulverizado de productos químicos, etc.	426 \$.00
10. En productos químicos agrícolas comprados	427 \$.00

Sección 24 MAQUINARIAS AGRICOLAS, EQUIPO, EDIFICIOS Y OTRAS FACILIDADES EN ESTE LUGAR JULIO 1, 1983

1. ¿Cuántos de los siguientes se encontraban en este lugar el 1 de julio de 1983? (Incluya toda maquinaria, equipo, edificios y facilidades en este lugar, sea o no de su propiedad, con tal que funcione bien.)

	Ninguno	Número
A. Maquinaria y Equipo Seleccionado		
1. Automóviles, jeeps, camionetas y camiones	<input type="checkbox"/>	432
2. Tractores de rueda de goma	<input type="checkbox"/>	433
3. Tractores de oruga	<input type="checkbox"/>	434
4. Carretones (Tirados por bueyes o tractor)	<input type="checkbox"/>	435
5. Despulpadoras de café	<input type="checkbox"/>	436
6. Secadoras mecánicas de café	<input type="checkbox"/>	437
7. Secadoras de café al sol o aire libre	<input type="checkbox"/>	438
8. Lavadoras mecánicas para café	<input type="checkbox"/>	439
9. Ordeñadoras mecánicas	<input type="checkbox"/>	440
10. Tanques para enfriar leche	<input type="checkbox"/>	441
11. Plantas auxiliares de energía eléctrica	<input type="checkbox"/>	442
B. Edificios y Facilidades Seleccionadas		
1. Edificios para almacenar cultivos	<input type="checkbox"/>	443
2. Edificios para maquinaria	<input type="checkbox"/>	444
3. Casas para agregados y otros empleados de la finca	<input type="checkbox"/>	445
2. ¿Cuál es el valor estimado en el mercado de TODA la maquinaria y el equipo, usualmente mantenido en este lugar y que se utilizan para operar la finca? (Incluya carros, camiones, tractores, arados, discos, rastrillos, secadoras, bombas, motores, equipo de regar, equipo de vaquerías incluyendo ordeñadoras y tanques de enfriamiento para leche, comederos para el ganado, molidoras y equipo de mezclar, etc.)		Valor estimado en el mercado (Dólares únicamente)
		446 \$.00

Sección 25 OBREROS AGRICOLAS, AGREGADOS Y MEDIANEROS

1. ¿En los últimos 12 meses, tenía usted empleados algunos obreros haciendo trabajos de la finca en este lugar (no incluya a empleados contratados por otros los cuales le hicieron trabajo a usted), o vivía alguna familia de agregado o medianero en este lugar para el 1 de julio de 1983?

- Sí — Llene esta sección
 No — Pase a la sección 26

	Ninguno	Número
2. ¿Entre los obreros agrícolas empleados, cuántos trabajaron en este lugar —		
a. 5 meses o más?	<input type="checkbox"/>	452 Trabajadores
b. Menos de 5 meses?	<input type="checkbox"/>	453 Trabajadores
3. ¿Cuántas familias de agregados y medianeros vivían en este lugar el 1 de julio de 1983?	<input type="checkbox"/>	454 Familias

COMENTARIOS — Haga cualquier comentario que sea necesario en relación a esta finca, c sobre el dueño u operador, sobre cosechas, rendimiento por cuerda, tamaño de la finca, nombre y dirección del dueño de los terrenos si ésta es administrada o arrendada, etc.

Sección 26 PERSONA COMPLETANDO ESTE INFORME — Por favor use letra de molde

Nombre	Fecha	
Teléfono	Código de área	Número