APPENDIX A. General Explanation

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TAKING THE CENSUS

Method of Enumeration

All censuses beginning with the 1969 census have been conducted primarily by mail. The 1978 census was the only census to include a mailout/mailback enumeration supplemented by the direct interview of all households in a sample of area segments. This combination of the mailout/mailback enumeration plus the area sample was used in 1978 to improve completeness of coverage for U.S., regional, and State level agriculture census statistics. Due to budget reductions, the area sample was eliminated in 1982.

In censuses prior to the 1969 census, enumerators were assigned to specific areas and called on all farm operators within each area. Beginning with the 1950 census, copies of the report form were mailed prior to the enumeration date to each boxholder served by post offices in predominantly rural areas and farmers were asked to complete the forms and have them ready for the enumerator to pick up.

The mailout/mailback enumeration procedure was not used in taking the agriculture census in Puerto Rico, Guam, and the Virgin Islands. A discussion of the direct enumeration methods used there appears in the reports for these outlying areas. A description of the special direct enumeration of citrus caretakers is included in the **Definitions and Explanations** section.

Mail List

The mail list for the 1982 census was comprised of all individuals, businesses, and organizations that could be readily identified as being associated with agriculture. The list was assembled from the records of the 1978 census and administrative records of various government agencies, primarily the Internal Revenue Service and the U.S. Department of Agriculture (USDA).

Lists of large or specialized operations, such as nurseries, specialty crop farms, broiler growers, fish farms, livestock farms, and cattle feedlot operations, were obtained from State and Federal agencies, trade associations, and similar organizations. Lists of multiestablishment companies having one or more establishments (or locations) producing agricultural products were obtained from the 1978 census and updated using

information from the Standard Statistical Establishment List maintained by the Census Bureau.

A preliminary census mail list was assembled using names and addresses from the 1978 census and administrative source lists available in September 1981. Those records which were less likely to be farms were included in the 1982 Farm and Ranch Identification Survey. Approximately 3 million farm and ranch forms were mailed in March 1982 to names which appeared on only one source list or selected combinations of lists which had yielded a low percentage of farm operators in the 1978 census. As a result of this survey, nonfarm names and addresses were deleted from the census mail list, new tenant and successor operations were added, and the names, addresses, and size information were updated for the identified active farm operators

The final census mail list was developed using results of the 1982 Farm and Ranch Identification Survey, names and addresses from the unduplicated preliminary list that were retained without precensus verification, and new or updated source lists acquired after the preliminary unduplication. The preliminary and final census mail lists were both constructed by merging and unduplicating the names and addresses from the various source lists on the basis of Employer Identification numbers, Social Security numbers, and names and addresses. To facilitate processing, each name on the administrative source lists was assigned a geographic code indicating the State and county location of the operation and a size code indicating an estimated value of sales. Most duplicates were identified and resolved prior to mailing. Other duplicate names were either reported by respondents or located during office processing.

Report Forms

In 1982, 12 regional report form versions were used. These forms were tailored primarily in sections 2 through 8 to list crops commonly produced in one or more States, and in section 15 to list livestock specialties produced. These modifications were made to enhance reporting of crop and livestock data and to reduce respondent burden.

Two report form versions were used to minimize the reporting burden, particularly for small farms. Approximately 75 percent of all farms received the 4-page nonsample form covering major items such as land use, crops, livestock and poultry, market value of agricultural products sold, and operator characteristics. The 5-page sample form was mailed to all large and specialized farms (based on expected sales, acres, or standard industrial classification), all farms in Alaska and Hawaii, and approximately 17 percent of all other farms. The sample form contained all the items asked on the nonsample form plus the sample items (sections 22 through 28).

The sample form and the information sheet appear in appendix C. The Statistical Adjustments section of this appendix includes a discussion of the criteria used to determine whether the sample or nonsample form was to be mailed to addressees.

Initial Mailing

The report forms were mailed in late December 1982 to the approximately 3,653,000 individuals, businesses, and organizations on the mail list. The information sheet containing instructions for completing the form and a brochure explaining the uses of the census data were included with each report form. Additional special instructions were included with report forms sent to grazing associations; feedlot operations; institutional organizations; and producers of poultry under contract, bees and honey, fish, laboratory animals, worms, and nursery and greenhouse products.

In an effort to provide additional help to farmers in completing their reports, copies of an Agriculture Census Guide booklet were sent to county agricultural agencies, institutions, or businesses to whom farmers might turn for help. Included were vocational agriculture instructors, and USDA county offices—Agricultural Stabilization and Conservation Service, Farmers Home Administration, Soil Conservation Service, and Cooperative Extension Service. This guide contained descriptions and definitions for various items in more detail than the instructions included with each report form. Representatives of the above agencies graciously consented to assist farmers in completing their report forms if requested.

Followup Procedures

The data collection effort included a reminder card and five followup letters, two of which were accompanied by a report form. Followup reminders were sent to nonrespondents on a flow basis at 3- to 4-week intervals starting in late February and continuing until late June 1983. In early April 1983, an additional followup letter was sent to nonrespondents in low response counties in 14 States.

Telephone calls were made to nonrespondents who were expected to have large operations (those with expected sales of \$100,000 or more) or who were located in low response counties. A nonresponse adjustment procedure was used to represent the final nonrespondent farms in the census results. A description of this procedure is included in the **Statistical Adjustments** section.

DATA PROCESSING

Selected report forms were reviewed prior to keying the data onto magnetic tape. These included reports with attached correspondence, and reports with remarks or no positive data on the front page. All new successors reported by former operators were researched to see if they had already been included in the census mailing. Report forms were mailed to successor addresses not located on the mail file. This processing improved the coverage of the census.

The data for each report form were subjected to a detailed item-by-item computer edit. The edit performed comprehensive checks for consistency and reasonableness, corrected erroneous or inconsistent data, supplied missing data based on similar farms within the same county, and assigned farm classification codes necessary for tabulating the data. Significant computergenerated changes to the data were reviewed and verified.

In the computer edit, farms with sales, acreage, or commodities exceeding specified levels were tested for historical comparability. Key items, such as acreage and sales, were compared for significant changes between 1978 and 1982. Sizeable

historical differences were resolved or verified, by telephone if necessary.

Respondents who reported sales or acreage above specified levels on nonsample forms were sent correspondence requesting the additional sample data. Report forms with reported sales of \$1,000,000 or more or 30,000 acres or more, and other selected problem reports were reviewed by statisticians in the Agriculture Division. Problems that could not be resolved by reference to other information on the report were resolved by contacting the respondents by telephone or correspondence.

Prior to publication, tabulated totals were reviewed by statisticians to identify any inconsistencies and potential coverage problems. Comparisons were made with previous census data, estimates published by the USDA and other available check data. Selected report forms were reviewed and problem entries were either verified as being correct or the data were corrected.

MAJOR DATA CHANGES

The content of the 1982 census report form is similar to that of the 1978 form. To limit respondent burden, the 1978 and 1982 forms included only data items needed at the county level, either on a complete or sample basis. The 1978 census data items which were eliminated from the 1982 form include:

Land held under foreign ownership

Gallons purchased of gasoline; diesel fuel; LP gas, butane and propane; and fuel oil

Animal health costs for livestock and poultry

The following new data items were added to the 1982 report form:

Interest expense for the farm business Source of irrigation water

Year in which the operator began to operate the farm

More extensive data on Commodity Credit Corporation (CCC) loans were collected in 1982.

DEFINITIONS AND EXPLANATIONS

The following definitions and explanations provide a more detailed description of the terms used in this publication than are available in the tables or on the report form. For an exact wording of the questions on the 1982 census report forms and the information sheet which accompanied these forms, see appendix C.

Most definitions of terms are the same as those used in earlier censuses. The more important exceptions are also noted here.

Farms or farms reporting—The term "farms" or "farms reporting" in the presentation of data denotes the number of farms reporting the item. For example, if there are 3,710 farms in a State and 842 of them had 28,594 cattle and calves, the data for those farms reporting cattle and calves would appear as:

Land in farms—The acreage designated in the tables as "land in "farms" consists primarily of agricultural land used for crops, pasture, or grazing. It also includes woodland and wasteland not

actually under cultivation or used for pasture or grazing, provided it was part of the farm operator's total operation. Large acreages of woodland or wasteland held for nonagricultural purposes were deleted from individual reports during the processing operations.

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. All grazing land, except land used under government permits on a per-head basis, was included as "land in farms" provided it was part of a farm or ranch. Grazing land operated by grazing associations was to be reported by the person chiefly responsible for conducting the business of the association. All land in Indian reservations used for growing crops or grazing livestock was to be included as land in farms. Land in reservations not reported by individual Indians or non-Indians was to be reported in the name of the cooperative group that used the land. In some instances, an entire Indian reservation was reported as one farm.

Land area—The approximate land area of counties and States shown for 1982 represents the total land area as determined by records and calculations updated as of January 1, 1983. The county land areas were remeasured in 1980. The previous county measurements were done in 1940. Any differences between the land area in 1982 and 1978 are due to these new measurements, annexations, and other changes affecting county boundaries.

Land in two or more counties—With few exceptions, the land in each farm was tabulated as being in the operator's principal county. The principal county was defined as the one where the largest value of agricultural products was raised or produced. It was usually the county containing all or the largest proportion of the land in the farm or viewed by the respondent as his/her principal county. For a limited number of Midwest and Western States, this procedure has resulted in the allocation of more land in farms to a county than the total land area of the county. To minimize this distortion, separate reports were required for large farms identified from the 1978 census as having more than one farm unit. Other reports received showing land in more than one county were separated into two or more reports if the data would significantly affect the county totals.

Value of land and buildings—Respondents were asked to report their estimate of the current market value of land and buildings owned, rented or leased from others, and rented or leased to others. Market value refers to the respondent's estimate of what the land and buildings would sell for under current market conditions. If the value of land and buildings was not reported, it was estimated using the average value of land and buildings from a similar farm in the same geographic area.

Harvested cropland—This category includes land from which crops were harvested or hay was cut, and land in orchards, citrus groves, vineyards, nurseries, and greenhouses. Land from which two or more crops were harvested was counted only once, even though there was more than one use of the land.

Cropland used only for pasture or grazing—This category includes land used only for pasture or grazing that could have been used for crops without additional improvement, and all

land planted in crops that were grazed before the crops reached maturity. Also included was all cropland used for rotation pasture and land in government diversion programs that were pastured. However, cropland that was pastured after crops were harvested was not to be included.

Other cropland—This category includes cropland used only for soil improvement crops, land on which all crops failed, cultivated summer fallow, idle cropland, and land planted in crops that were to be harvested after the census year.

Total woodland—This category includes natural or planted woodlots or timber tracts, cutover and deforested land with young growth which has or will have value for wood products, and land planted for Christmas tree production. Land covered by sagebrush or mesquite was to be reported as other pastureland and rangeland or other land.

Woodland pastured—This category includes all woodland used for pasture or grazing during the census year. Woodland or forest land pastured under a per-head grazing permit was not counted as land in farms and therefore was not included in woodland pastured.

Other land—This category includes land in house lots, barn lots, ponds, roads, wasteland, etc. In 1974, for farms with sales of less than \$2,500, this category included pastureland and rangeland other than cropland and woodland pastured in addition to land in house lots, barn lots, ponds, roads, and wasteland.

Land set aside in federal farm programs—This land includes land diverted or set aside under the provisions of the Federal Commodity Acreage Reduction Program. These data are for the acres of cropland taken out of production by growers of wheat, cotton, rice, corn, sorghum, barley, and oats, and devoted to conservation uses. No information was obtained as to which crops would have been grown on the acres set aside.

Irrigated land—This category includes all land watered by any artificial or controlled means, such as sprinklers, furrows or ditches, and spreader dikes. Included are supplemental, partial, and preplant irrigation. Each acre was to be counted only once regardless of the number of times it was irrigated or harvested.

Operator-The term "operator" designates a person who operates a farm, either doing the work or making day-to-day decisions about such things as planting, harvesting, feeding, marketing, etc. The operator may be the owner, a member of the owner's household, a salaried manager, a tenant, a renter, or a sharecropper. If a person rents land to others or has land worked on shares by others, he/she is considered the operator only of the land which is retained for his/her own operation. For partnerships, only one partner is counted as an operator. If there is no clear-cut partner in charge, then the senior or oldest active partner is considered the operator. For census purposes, the number of operators is the same as the number of farms. In some cases, the operator was not the individual named on the address label of the report form, but another family member, a partner, or a hired manager who was actually in charge of the farm operations.

Operator characteristics—Data on characteristics such as residence, race, Spanish origin, age, sex, principal occupation, and off-farm work were collected from all operators in 1982. If

operator characteristics of race, age, sex, and principal occupation were not reported, they were derived based on information reported by farms with similar acreage size, tenure, and sales size. No imputations were made for nonresponse to place of residence, Spanish origin, off-farm work, or year began operation. For the 1982 and 1978 censuses, operators of Spanish origin were tabulated by reported race. Prior censuses included Spanish origin as "White" whenever separate data for the White race were shown.

Selected farm production expenses—Since only selected production expenses incurred in 1982 were requested, the expense data cannot be used in combination with gross sales to calculate net cash farm income. The 1979 Farm Finance Survey provided estimates on net cash farm income.

In 1982, as in other recent censuses, operators producing crops, livestock, or poultry under contract frequently failed to report certain expenditure data. They often were unable or unwilling to estimate the cost of production inputs furnished by the contractors. As a consequence, the rate of imputation of expenditure data for these operations is considerably higher than it is for noncontract producers.

Commercial fertilizer—The expense for commercial fertilizer is the amount spent on fertilizer during 1982, excluding the cost of application. Some fertilizer purchased in 1982 may not have been applied during the year. If the fertilizer was applied by someone other than the operator, respondents were requested to report the cost of application as an expense for customwork, machine hire, and rental of machinery and equipment.

Other agricultural chemicals—These expenses include the cost of all insecticides, herbicides, fungicides, and other pesticides, excluding costs of application. Data exclude commercial fertilizer purchased. The cost of lime is included in the 1978 data, but excluded from 1982.

Customwork, machine hire, and rental of machinery and equipment—These expenses include costs incurred for having customwork done on the place and for renting machines to perform agricultural operations. The cost of cotton ginning is excluded. The cost of labor involved in the customwork service is included in the customwork expense. The cost of labor for operating rented or hired machinery is included as a hired farm and ranch labor expense.

Interest expense—Only the interest expense for the farm business was to be reported. Although instructions requested that interest on the owner/operator dwelling be excluded when separate records were available, it is probable that an undetermined amount of such nonfarm business interest was also reported.

Energy and petroleum products—Respondents were asked to report only those expenses pertaining to the operation of the farm business.

Storage capacity—This category applies to those farms reporting expenditures for the specific kind of fuel. The storage capacity was to be reported even if not used during the census year.

Farms with storage capacity reported as "no"—This category includes farm operators with expenditures for a specific kind of fuel who also checked the "none" box for storage capacity. See appendix C, section 26, Expenditures for Energy.

Market value of agricultural products sold—This category represents the gross market value before taxes and production expenses of all agricultural products sold or removed from the place in 1982 regardless of who received the payment. It includes sales by the operator as well as the value of any shares received by partners, landlords, contractors, or others associated with the operation. In addition, it includes the loan value received in 1982 for placing commodities in the CCC loan program. This ensures comparability with prior census years for market value of agricultural products sold.

The value of agricultural products sold represents total sales of all crops, including nursery products sold, and livestock, poultry, and their products sold. It does not include income from farm-related sources such as customwork or agricultural services, or income from nonfarm sources. Sales of forest products were not included in 1978 or 1982; but were included in 1974.

The value of crops sold in 1982 does not necessarily represent the sales from crops harvested in 1982. Data may include sales from crops produced in earlier years and exclude some crops produced in 1982, but held in storage and not sold. For commodities, such as sugar beets and wool, sold through a co-op which made payments in several installments, respondents were requested to report only the total value received in 1982.

The value of agricultural products sold was collected from all operators. If the operator failed to report, estimates were made based on the amount of crops harvested or the number of livestock or poultry sold. Extensive estimation was required for operators growing crops or livestock under contract.

Caution should be used when comparing sales in 1982 with sales reported in earlier censuses due to the fluctuations in perunit prices between census years.

Income from machine work, customwork, and other agricultural services—This category consists of gross income received during 1982 by farm operators for providing services for others such as planting, plowing, spraying, harvesting, etc. Income from machine work and other agricultural services is generally included in the agriculture census if it is supplemental to the farming operation. However, it is excluded if it constitutes a separate establishment or is conducted from another location. The agricultural services part of a farming operation was generally considered a separate establishment when income from agricultural services was \$10,000 or more and greater than the value of agricultural products sold. Due to legislative restrictions, data for establishments primarily engaged in agricultural services were not collected in 1982.

Agricultural chemicals used, including fertilizer and lime—For each type of agricultural chemical, the acres treated were to be reported only once. If multipurpose chemicals were used, the acres treated for each purpose were to be reported.

Fish and other aquacultural products—The raising of fish and other aquacultural products in captivity is included in the agriculture census. Production in salt water is considered not to be in captivity and is excluded from the census. The value of fish and other aquacultural products sold and laboratory animals

sold is included in the category "other livestock and livestock products."

Bees and honey—Bee and honey production was enumerated and tabulated in the county in which the home farm was located even though hives are often moved from farm to farm over a wide geographic area. The completeness and accuracy of these data are affected by the fact that some bee operations may not have been on the mail list and some operators on the mail list may not have considered beekeeping to be an agricultural operation, and therefore did not report.

Citrus enumeration-In the 1982 census, reports for selected citrus caretakers in Arizona, Florida, and Texas were obtained by direct enumeration. A citrus caretaker is an organization or person caring for or managing citrus groves for others. This special enumeration has been used in recent censuses because of the difficulty in identifying and enumerating absentee grove owners who often do not know the information that is needed to adequately complete the census report. Each citrus caretaker was enumerated as a farm operator and requested to complete one report form for all groves cared for and to furnish a list of grove owners' names, addresses, and acres of citrus. The names on the lists were matched to completed grove owners' report forms to eliminate duplication. The caretaker was also requested to inform the grove owner that he had already reported for the citrus under his care and that the grove owner was not to report the citrus again. In the 1982 census, 8 caretakers in Arizona reported 210 grove owners having 13.000 acres of citrus; the 99 caretakers in Florida reported 5,900 grove owners having 250,000 acres of citrus; and 21 caretakers in Texas reported 1,500 grove owners having 30,000 acres of citrus.

Crop year or season covered—Acres and quantity harvested are for the calendar year 1982 except for citrus fruits, avocados, olives; vegetables in Florida; sugarcane in Florida and Texas; and pineapples and coffee in Hawaii.

Citrus fruits—The data for Florida relate to the quantity harvested in the September 1981 through July 1982 harvest season, except limes that were harvested in the April 1982 through March 1983 harvest season. The data for Texas relate to the quantity harvested in the September 1981 through May 1982 harvest season. The data for States, other than Florida and Texas, relate to the quantity harvested in the 1981-82 harvest season.

Avocados—The data for California relate to the quantity harvested in the November 1981 through November 1982 harvest season and for Florida the April 1982 through March 1983 harvest season.

Olives—The data for California relate to the quantity harvested in the September 1981 through March 1982 harvest season.

Vegetables—The data for Florida relate to the crop harvested in the September 1981 through August 1982 harvest season.

Sugarcane for sugar—The data for Florida relate to the cuttings from November 1981 through April 1982, and for Texas the cuttings from October 1981 through April 1982.

Pineapples—The data for Hawaii relate to the quantity harvested in the year ending May 31, 1982.

Coffee-The data for Hawaii relate to the 1981-82 crop.

Acres and quantity harvested—Crops were reported in whole acres, except for the following crops which were reported in 10ths of acres: Irish potatoes, sweetpotatoes, tobacco, fruit and nut crops including land in orchards, berries, vegetables, and nursery and greenhouse products; and in Hawaii, taro, ginger root, and lotus root. Totals for crops reported in 10ths of acres were rounded to whole acres at the aggregate level during the tabulation process.

If two or more crops were harvested from the same land during the year, the acres would be counted for each crop. Therefore, the total acres of all crops harvested generally exceeds the acres of cropland harvested. The exception to this procedure is hay crops. When more than one cutting of hay was taken from the same acres, the acres are counted only once but the quantity harvested includes all cuttings. However, hay cut for both dry hay and green crop or silage would be reported for each applicable crop. For interplanted crops or "skip-row" crops, acres were to be reported according to the portion of the field occupied by each crop.

If a crop was planted but not harvested, the acres were not to be reported as harvested. These acres were to be reported in the "land use" section under the appropriate cropland items—cropland used only for pasture or grazing, cropland used for cover crops, cropland on which all crops failed, or cropland idle.

Corn and sorghum hogged or grazed were to be reported as "cropland harvested" and not as "cropland used only for pasture or grazing." Crop residue left in fields and later hogged or grazed was not to be reported as cropland pasture.

Quantity harvested was not obtained for crops such as vegetables; nursery and greenhouse products; corn cut for dry fodder, hogged or grazed; and sorghum, hogged or grazed.

Acres of land in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees were to be reported as harvested cropland regardless of whether the crop was harvested or failed. However, abandoned orchards were to be reported as cropland idle, not as harvested cropland and the individual abandoned orchard crop acres were not to be reported.

Land in orchards—This category includes land in bearing and nonbearing fruit trees, citrus or other groves, vineyards, and nut trees of all ages, including land on which all fruit crops failed. Respondents were instructed not to report abandoned plantings and plantings of less than 20 total fruit, citrus, or nut trees, or grapevines.

Crop units of measure—The regional report forms allowed the operator to report the quantity of field crops harvested in a unit of measure commonly used in the region. When the operator reported in a unit of measure different than the unit of measure published, the quantity harvested was converted to the published unit of measure.

Grapes could be reported in dry weight or fresh weight; plums and prunes in fresh weight or prunes in dry weight; and in Hawaii, coffee in pounds parchment or pounds cherry, and macadamia nuts in pounds husked, unshelled or pounds shelled. For other fruit and nut crops and citrus, the operator was given a choice of units of measure of pounds, tons, or boxes. The quantity harvested for these crops are published in pounds.

Write-in crops-To reduce the length of the report form, only the major crops for the region were prelisted. For other crops, the respondent was requested to look at a list of crops in each section and write in the crop name and its code. For crops that had no individual code listed on the report form, the respondent was to write in the crop name and code the crop into the appropriate "all other" category for that section. Write-in crops coded as "all other" were reviewed and assigned a specific code when possible. Crops not assigned a specific code were left in the appropriate "all other" category.

In some cases, the reviewers were unable to determine the specific crop reported by the respondent because of incomplete or generalized crop names. To ensure proper coding, most of these respondents were telephoned. Reports for those not telephoned were changed on the basis of other reports for the area.

Misreported or miscoded crops—In a few instances, tabulated data may be inaccurate because respondents misunderstood or misinterpreted questions on the report form. Data may have been reported on the wrong line or in the wrong section, or the wrong crop code may have been placed beside the name of a write-in crop. Some of these errors as well as some keying errors may not have been identified during processing and therefore were not corrected. Reports with significant acres of unusual crops for the area were examined to minimize the possibility that they were in error.

Changes in crop wording-Changes were made to the wording of selected crop items on the 1982 census forms. These items are listed with the wording used in 1978. The 1982 and 1978 data are comparable for all items, except improved pecans and wild and seedling pecans which were combined.

Dry edible beans, excluding dry limas-The 1978 wording was "dry field and seed beans."

Dry edible peas-The 1978 wording was "dry field and seed peas". Dry edible peas exclude Austrian winter peas, wrinkled seed peas, and southern peas or cowpeas.

Green cowpeas and green southern peas; cowpeas and southern peas for dry peas-The wording for these items was changed for 1982 to include the term "southern peas," a more common term for cowpeas.

Honey tangerines—The 1978 wording was "murcotts.".

Other tangerines-The 1978 wording was "tangerines and mandarins."

Pecans-The 1978 categories "improved pecans" and "wild and seedling pecans" have been combined into "pecans" for 1982.

"See text" References

Items in the tables which carry the note "See text" are explained or defined in this section.

Data are based on a sample of farms—For 1982 and 1978, selected data were collected from only a sample of farms. These data are subject to sampling error. For 1982, the 5-page sample form was mailed to all large and specialized farms (based on expected sales, acres, or standard industrial classification), all farms in Alaska and Hawaii, and approximately 17 percent of all other farms. Sample sections 22 through 28 of the 1982 census forms include inquiries on commercial fertilizer and lime, chemicals, interest expense, machinery and equipment, expenditures for energy and petroleum products, selected production expenses, and value of land and buildings. Estimates of the reliability of county totals for selected items are shown in table E.

Principal source of irrigation water—The acres irrigated by principal source were derived based on reported percentages of water obtained by source. See appendix C for an example of section 11, Land Irrigated. When irrigation water was obtained from two or more sources, the acres irrigated were included only once under the source from which the largest percentage of water was obtained.

1974 data apply only to individual or family operations (sole proprietorships) and partnerships—For 1974, farm operator characteristics were not collected from corporations, cooperatives, prison farms, grazing associations, and Indian reservations. For 1982 and 1978, characteristics and occupation of the senior partner or person in charge were collected from all farms.

Farms operated by Black and other races-This category includes Blacks, American Indians, Asian and Pacific Islanders, and all other racial groups other than White.

All other races—This category is primarily limited to persons native to or of ancestry from Mexico, the Caribbean, and Central and South America.

Farms reporting no interest expense—This category includes only reports without dollars reported and the "no" box checked for the yes/no screening question in section 24. See appendix C for an example of section 24, Interest Expense.

Total sales—This item represents the gross market value of all agricultural products sold before taxes and expenses in the census year including livestock, poultry, and their products; and crops, including nursery products, and hay. Respondents were asked to include landlords' and contractors' shares. As in prior census years, the value of commodities placed in CCC loans are included as sold. Sales of forest products were not included in 1978 or 1982. The 1974 data included sales of forest products from those places qualifying as farms through other agricultural production.

Farms with sales of less than \$2,500-In 1982 and 1978, this category included all farms, except abnormal farms, with actual sales of less than \$2,500. In 1974, farms with sales of less than \$2,500 but having the production potential for sales of \$2,500 and over are included in the category "\$2,500 to \$4,999."

Farms with sales of less than \$1,000-This category includes all farms, except abnormal farms, with actual sales of less than \$1,000 but having the production potential for sales of \$1,000 or more.

Abnormal farms—This category includes institutional farms, experimental and research farms, and Indian reservations. Institutional farms include those operated by hospitals, penitentiaries, churches, schools, grazing associations, government agencies, etc. In prior censuses, a number of nongovernmental units such as church farms and FFA camps were classified as abnormal farms. In 1982, such nongovernmental units were classified as abnormal farms only when 50 percent or more of their products produced and intended for human consumption were utilized by the organization.

Value of agricultural products sold directly to individuals for human consumption—This category represents the value of agricultural products produced and sold directly to individuals for human consumption from roadside stands, farmers' markets, pick-your-own sites, etc. It excludes nonedible products such as nursery products, cut flowers, wool, etc. Sales of agricultural products by vertically integrated operations through their own processing and marketing operations were excluded.

Other livestock and livestock products—This category includes all livestock and livestock products not listed separately.

Value of livestock and poultry on farms—Data for the value of livestock and poultry on farms were obtained by multiplying the inventory of each major age and sex group by State average prices. The State average prices for cattle, hogs, sheep, angora goats, hens and pullets of laying age, and turkeys were obtained primarily from data published by the Statistical Reporting Service, USDA. Prices applied to other livestock and poultry were census-derived averages based primarily on reported value of sales in the census.

Poultry hatched—This category includes all poultry hatched during the year and placed or sold. Incubator egg capacity on December 31, 1982, is tabulated under the column heading Inventory and the number of poultry hatched is under the heading Sales.

Worms—Worm inventory consists of the number of standard worm beds in production. A standard worm bed is considered to be 24 cubic feet. Sales of worms are shown in pounds. Sales of worm castings are included in other livestock products sold.

Hay-alfalfa, other tame, small grain, wild, grass silage, green chop, etc.—Data shown for hay represent all hay crops, including grass silage, haylage, and hay crops cut and fed green (green chop). In production data, dry tons represent dry tonnage for the various hay categories and dry weight equivalents for grass silage and hay cut and fed green. The conversion used was 3 tons of green weight to 1 ton of dry weight.

Tame hay other than alfalfa, small grain, and wild hay—Data shown represent dry tons of hay harvested from clover, lespedeza, timothy, Bermuda grass, Sudan grass, and other types of legume and tame grasses.

Grass silage, haylage, and green chop hay—The 1978 categories "grass silage and haylage" and "hay crops cut and fed green (green chop)" have been combined into "grass silage, haylage, and green chop hay" in 1982.

Grapes—Farm operators were given the option of reporting the quantity of grapes harvested in dry weight or fresh weight. For publication purposes, all quantities of grapes harvested have been converted to pounds fresh weight. The conversionused was 4.3 pounds fresh weight to 1 pound dry weight.

Plums and prunes—Farm operators were given the option of reporting the quantity of plums and prunes harvested in dry weight or fresh weight. For publication purposes, all quantities of plums and prunes harvested have been converted to pounds fresh weight. The conversion used was 3 pounds fresh weight to 1 pound dry weight.

Almonds—In 1982, the quantity of almonds harvested was reported in pounds of meats. For 1978, the quantity harvested was reported in the shell.

Other fruits and nuts—Data shown for other fruits and nuts relate to any fruits and nuts not having a specific code on the 1982 report form.

Land used for vegetables—Data are for the total land used for vegetable crops. The acres are reported only once, even though two or more harvests of a vegetable or more than one vegetable were harvested from the same acres.

Vegetables harvested for sale—The acres of vegetables harvested is the summation of the acres of individual vegetables harvested. All of the individual vegetable items may not be shown.

Nursery and greenhouse products grown for sale—These data are a summation of the individual items reported. All of the individual items may not be shown.

Other grains—These data are for the total market value of other grains sold including dry edible beans, dry lima beans, buckwheat, cowpeas and southern peas for dry peas, emmer and spelt, flaxseed, mixed grains, lentils, mustard seed, dry edible peas, popcorn, proso millet, rice, rye for grain, safflower, sunflower seed, triticale, and wild rice.

Value of crop production—This item represents the estimated value of all crops harvested during the 1982 crop year. Data for the value of crops harvested were obtained by multiplying the average estimated value per unit by the reported acres or quantity harvested. Generally, harvested units of production (pounds, bushels, bales, etc.) were multiplied by State estimates of prices per unit. If only acres harvested were reported, State estimates for value of production per acre were used. The State average production price and production value per acre used in these calculations were obtained in most part from publications of the Statistical Reporting Service, USDA. When USDA estimates were not available, Bureau of the Census statisticians made estimates using available sources such as data from adjacent States, respondent report forms, county extension agents, and other persons knowledgeable about specific crops.

FARMS CLASSIFIED BY SPECIFIED CHARACTERISTICS

State tables 44 through 50 present detailed 1982 data for all farms classified by specified characteristics—tenure of operator, type of organization, age and principal occupation of operator, size of farm (acres), value of agricultural products sold, and standard industrial classification. Other tables include data classified by value of sales groups, or other characteristics of the farm or the operator.

Farms by value of agricultural products sold or value of sales—In 1982, all farms except abnormal farms were tabulated by size based on reported sales. Thus, the category "farms with sales of \$2,500 to \$4,999" included only farms with actual sales of \$2,500 to \$4,999. Abnormal farms were not tabulated based on actual or potential sales. The category "farms with sales of less than \$1,000" included all farms, except abnormal farms, with actual sales of less than \$1,000 but having the production potential for sales of \$1,000 or more.

The sales size categories have been changed to be consistent with the standard business size categories issued by the Office of Management and Budget in 1982. Sales size categories "\$100,000 to \$249,999" and "\$250,000 to \$499,999" are used in this report; whereas, sales size categories "\$100,000 to \$199,999" and "\$200,000 to \$499,999" were used in prior censuses. In State table 11 and county table 3, the 1978 census data have been retabulated into the new sales size categories.

Farms by tenure of operator—The classifications of tenure used in the 1982 census were:

Full owners, who operate only land they own.

Part owners, who operate land they own and also land they rent from others.

Tenants, who operate only land they rent from others or work on shares for others.

Farms by type of organization—All farms were classified by type of organization in the 1982 census. The classifications used were:

Individual or family operation (sole proprietorship), excluding partnership and corporation.

Partnership operation, including family partnership.

Corporation, including family corporation.

Other, such as cooperative, estate or trust, institutional farm, etc.

Corporations were subclassified by two additional characteristics into:

- a. Family held
 Other than family held
- b. More than 10 stockholders10 or less stockholders

Farms by age and principal occupation of operator—Data on age and principal occupation were obtained from all operators in 1982. The principal occupation classifications used were:

Farming—The operator spent 50 percent or more of his/her worktime in 1982 in farming or ranching.

Other—The operator spent more than 50 percent of his/her worktime in 1982 in occupations other than farming or ranching.

Farms by size—All farms were classified into selected size groups according to the total land area in the farm. The land area of a farm is an operating unit concept and includes land owned and operated as well as land rented from others. Land rented to or assigned to a tenant was considered the tenant's farm and not the owner's.

Farms by standard industrial classification—In 1982, all agricultural production establishments (farms, ranches, nurseries, greenhouses, etc.) were classified by type of activity or activities using the standard industrial classification (SIC) system. These classifications, found in the 1972 SIC Manual¹, are used to promote uniformity and comparability in the presentation of statistical data collected by various agencies.

An establishment primarily engaged in crop production (major group 01) or livestock production (major group 02) is classified in the 4-digit industry and 3-digit industry group which accounts for 50 percent or more of the total value of sales of its agricultural products. If the total value of sales of agricultural products of an establishment is less than 50 percent from a single 4-digit industry, but 50 percent or more from the products of two or more 4-digit industries within the same 3-digit industry group, the establishment is classified in the miscellaneous industry of that industry group. Otherwise, it is classified as a general crop farm in industry 0191 or a general livestock farm in industry 0291.

Characteristics of all farms by selected SIC groupings are shown in State tables 15 and 50. The SIC groupings shown in State table 50, together with the associated products (value of sales representing 50 percent of more of the value of agricultural products sold during the year) on which the classification is based, are as follows:

Cash grains (011)—Wheat, rice, corn, soybeans, barley, buck-wheat, cowpeas, dry field and seed beans and peas, emmer, field seeds, flaxseed, lentils, mustard seed, oats, popcorn, rye, safflower, sorghum, and other small grains.

Cotton (0131) - Cotton and cottonseed.

Tobacco (0132)-Tobacco.

Sugar crops, Irish potatoes, hay, peanuts, and other field crops (0133, 0134, 0139)—Sugarcane, sugar beets, Irish potatoes, alfalfa, broomcorn, clover, flax, hay, hops, mint, peanuts, sweetpotatoes, and timothy.

Vegetables and melons (016)—Vegetables and melons grown in the open.

Fruits and tree nuts (017)—Berries, grapes, tree nuts, citrus fruits, deciduous tree fruits, avocados, dates, figs, olives, pineapples, and tropical fruit.

Horticultural specialties (018)—Ornamental plants; nursery products, such as bulbs, florists' greens, flowers, shrubbery, flower and vegetable seeds and plants, and sod; mushrooms and vegetables grown under cover.

General farms, primarily crops (019)—Crops, including horticultural specialties, but less than 50 percent of sales from any single 3-digit industry group. Includes farms with no agricultural products sold reporting cropland harvested or cropland on which all crops failed.

Livestock, except dairy, poultry, and animal specialties (021)—Cattle, calves, hogs, sheep, goats, goat's milk, wool, and mohair.

¹Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

Beef cattle, except feedlots (0212)—Production or feeding of beef cattle, except feedlots.

Dairy farms (024)—Production of cows' milk and other dairy products and raising of dairy heifer replacements.

Poultry and eggs (025)—Chickens, chicken eggs, turkeys, duck, geese, pheasants, pigeons, and quail.

Animal specialties (027)—Fur-bearing animals, rabbits, horses, ponies, bees, fish in captivity except fish hatcheries, worms, and laboratory animals.

General farms, primarily livestock (029)—Livestock and livestock products, including animal specialties, but less than 50 percent of sales from any single 3-digit industry group. Includes farms with no agricultural products sold reporting livestock or pasture.

STATISTICAL ADJUSTMENTS

The 1982 Census of Agriculture used two types of statistical adjustments—nonresponse and sample. These adjustments were necessary because, as noted previously, not all farms were surveyed for all items and some farms failed to respond to the numerous attempts to contact them.

Nonresponse

Farms for which no response was obtained from the mailout/mailback self-enumeration procedure were classified as "large" or "small" based on expected sales being above or below \$100,000. The small nonrespondents were classified even further using other mail list characteristics.

A short report form was then sent to a sample selected from the various classifications of small farms to obtain information needed to develop a State estimate of the number of nonrespondents that were in fact farms. If this second report form was not returned, then a telephone follow-up was attempted.

For all large farms, a telephone follow-up was conducted. Some operators could not be contacted or they refused to cooperate. In these cases, secondary sources such as ASCS county offices, extension agents, and previous census reports were utilized whenever possible to provide reports for tabulation.

State estimates of the percentage of nonrespondent farms were made for several strata. These estimates were then used to make estimates at the county level for each stratum. Respondent farms were then randomly selected within county stratum to represent the nonrespondent farms by having a nonresponse weight of two. All other respondent farms had a nonresponse weight of one.

The nonresponse adjustment procedure makes the assumption that the respondents and the nonrespondents have similar statistical properties. Also, the use of secondary sources for some large farms and the fact that a percentage of the sampled farms were not contacted by either mail or telephone is assumed not to affect the estimates for nonrespondents.

Table A partially measures the effect of nonresponse on selected major items at the State level. This estimate of the nonresponse rate measures only the effect of small whole farm nonresponse. The effect of the adjustment for nonresponse due to complete nonresponse among large farms and item

nonresponse among all farms is not included in table A. The percentages in table A indicate the potential for bias in published figures resulting from small farm nonresponse. However, large farm nonresponse does not necessarily indicate bias. Individual county nonresponse rates may differ substantially from the State value in table A.

Sample

Report forms containing additional sample inquiries (sections 22 through 28) were mailed to all farms in Alaska and Hawaii and to a sample of farms identified when the mail list was constructed. Other farms were selected into the sample with certainty because they were expected to be "large," to have a complex organizational structure, or to have special characteristics. The definition of large varied by State from a low of 1,000 acres or \$100,000 sales to a high of 10,000 acres or \$500,000 sales. The median State level for the continental United States was 1,800 for acres and \$150,000 for sales. Large farms identified during processing also were included with certainty by sending the respondents a supplemental form containing only sample questions. In addition to large farms, all farms in counties containing less than 100 farms in 1978 and all farms in SIC groups with a small number of farms at the State level in 1978 were included in the sample with certainty. Farms in counties containing 100 to 199 farms in 1978 were sampled at a rate of 1 in 2. Farms in counties containing 200 or more farms in 1978 were sampled at a rate of 1 in 6.

The noncertainty samples were stratified into 128 strata formed by the 8 sales groups, 8 SIC groups, and 2 acre groups.

Sales	SIC	Acres
\$1 to \$999	011	0 to 69
\$1,000 to \$2,499	013	70 or more
\$2,500 to \$4,999	016, 018	
\$5,000 to \$9,999	017, 019	
\$10,000 to \$19,999	024, 021, except 0212	
\$20,000 to \$39,999	0212, 027	
\$40,000 to \$99,999	025	
\$100,000 or more	029	

This post-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 12 in counties sampled at a rate of 1 in 6, or greater than 4 in counties sampled at a rate of 1 in 2, then the post-stratum was collapsed into another post-stratum. Collapsing of post-stratum also occurred if the stratum contained fewer than 10 sample farms.

Table A. Percent of State Total Represented by Adjustment of Whole Farm Nonresponse: 1982

ltem					
Farms	9.5 7.5 6.3 6.2 7.0 6.1 4.6				
Inventory: Cattle and calvesnumber Hogs and pigsnumber Hens and pullets of laying agenumber	7.7 5.8 1.6				

Estimates were prepared for items in sections 22 through 28 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 post-strata ranged from 1 to 24 because all exact weights (census total number of farms divided by the number of sample farms in the stratum) were converted to integers by a simple algorithm and then multiplied by 1 or 2 (the nonresponse weight).

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 indicated 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. Thus, 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 nationwide census of agriculture, the complex structure of America'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.

An evaluation of coverage has been conducted for each census of agriculture since 1945. Although the primary purpose of these evaluations is to identify problem areas and supply evidence as a basis for improvements, they also provide users of census data with estimates of the completeness of the census counts. The results of the coverage evaluation study were published for the 1978 census in Volume 5, Special Reports, part 3. An evaluation of coverage was conducted in 1982 to measure the extent of the undercount and overcount of farms in the census. A description of this evaluation will be in a separate Coverage Evaluation report. This report includes estimates of the net percentage of all farms, acres, and sales missed in the census.

Classification Problems

In 1978, the proportion of farms missed due to misclassification (1.8 percent) was higher for farms with small values of sales. The rate of misclassification was higher on (1) crop farms than livestock farms, (2) farms with a small number of acres than larger farms, or (3) tenant farms than full or part-owner farms. Full owners were misclassified more often than part owners. Farm operators over 55 years of age were misclassified more often than younger operators.

An evaluation study of classification errors was conducted in the 1982 Census of Agriculture and will be reported in Coverage Evaluation. A sample of mail list respondents was selected, and these addresses reenumerated to determine whether they were a farm or nonfarm. Two types of errors were identified; missed farms and overcounted farms. Missed farms were farm operations included on the mail list but classified in the census as nonfarms. Overcounted operations were nonfarm operations classified in the census as farms.

Mail List Problems

A major problem with the use of a mail list is the failure to include all farms on the list. In 1978, approximately 10.8 percent of all farms were not included on the census mail list. There were several reasons for the farm operator's names not being included on the mail list—the operation may have been started after the mail list source was developed; the operation may not have been included on any source list used to construct the mail list; or the operation may have been removed from the list because of incorrectly identifying duplicates or falsely classifying it as a nonfarm prior to mailout.

A great many of the farms not included on the mail list were small in both acres and sales. The operator in many cases had a full time off-farm job and farmed part time. In 1978, the average size of farms and sales for all farms and farms not on mail list is given below.

	Average size				
	All farms	Farms not on mail list			
Land (acres)	415	68			
Sales (dollars)	\$43,618	\$4,709			

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.

Census items were classified as either 100-percent or sample items. The 100-percent items were those asked of all farm operators. These included land in farms, harvested cropland, livestock inventory and sales, and crop acreages and quantities (sections 1 to 21 of the census report form). Variability in the 100-percent items is due to the variation associated with nonresponse imputation and response error. Estimation of this variation results in a standard error of an estimate originating in the selection of the sample of small nonrespondents at the State level. Sample items were items asked of approximately 1 in 4 farm operators and include value of land and building. value of farm machinery, energy expenses, and selected farm production expenses, such as hired farm labor and interest expense (sections 22 to 28 of the census report form). Variability in estimates of sample items is the effect of the sample selection and estimation procedure and all the factors affecting the variability of 100-percent items.

In the 1982 Census of Agriculture, 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 (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 (percent) partially measures the effect of certain non-sampling 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 (percent) and the bias and other types of non-sampling error not measured.

If all possible samples were selected, each of those surveyed under essentially the same conditions, and an estimate and its estimated standard error were 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 average value of land and building estimates, assume that an estimate of a average value of land and buildings published for a particular county is \$276,741 and the relative standard error of the estimate (percent) for this estimate, as given in table D, 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.,

Table B. Estimates of Reliability of Number of Farms in a County Reporting a 100-Percent Item: 1982

Farms	Estimated relative standard error of estimate (percent)
Number of farms reporting:	
25	0.8
50	0.8
75	0.7
100	0.7
150	0.7
200	0.7
300	0.7
500	0.7
750	0.7
1.000	0.7
1.500	0.7
2,000	0.7

Note: 100-percent items are items included in sections 1 to 21 of the report form (appendix C).

\$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 \times $7,749$).

Tables B and C present the reliability of the estimates of the number of farms reporting a 100-percent or sample item at the county level. Both tables contain relative standard errors of estimate (percent) which were weighted over all counties in the State to arrive at an estimated value. In county table 12, for example, in column 2 the number of farms reporting hog and pig inventory is 35. From table B, an approximate relative standard error of estimate (percent) for the number of farms reporting hogs and pigs would be 0.8.

Table D presents State estimates of major items for all farms and for all farms with sales of \$10,000 or more and measures of their reliability. The estimate and the relative standard error of the estimate (percent) is given for selected 100-percent and sample items. The relative standard error of the estimate (percent) measures the variation associated with the small whole farm nonresponse adjustment. It does not measure census variability associated with complete nonresponse among large farms, partial or item nonresponse among all farms, response error or content error. The relative standard error of estimate (percent) for sample items measures both nonsampling and sampling error. It measures the variation associated with selecting a sample to estimate sample items as well as variability associated with adjustment for small farm nonresponse. The reliability of county estimates may vary substantially from each other and will usually be larger than the State estimate.

Table E presents the estimate of reliability at the county level for four major 100-percent items and six sample items. The relative standard error of the estimate (percent) for the same item differs among counties in a State. Reasons for this are: (1) differences among counties in the total number of farms, (2) the number of large farms included with certainty, (3) the size classifications of farms sampled, (4) the amount of non-response, (5) the general agricultural characteristics, and (6) the specific characteristic being measured.

Table C. Estimates of Reliability of Number of Farms in a County Reporting a Sample Item: 1982

Farms			
Number of farms			
25		61.3	
50		35.3	
75		25.6	
100	1	20.3	
150	1	14.7	
200	1	11.7	
300		8.5	
500	1	5.6	
750	I	4.1	
1,000		3.3	
1,500		2.4	
2,1222 2,111	1	1.9	

Note: Sample items are items included in sections 22 to 28 of the report form (appendix C).

Table D. Estimates of Reliability of State Totals for Selected Items: 1982

[For meaning of abbreviations and symbols, see introductory text]

		All farms		Farms with sales of \$10,000 or more				
ltem		Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)			
Farms	number	82 199	.1	57 049	.1			
Land in farms	acres	17 234 127 232 606	.1 .4	15 132 720 297 070	.1			
Value of land and buildings ¹ , average per farm	farms	78 060	.7	55 575	.4 .1			
	acres	11 769 183	.1]	10 785 973	.1			
Harvested cropland	farms (75 734 10 062 154	.1	55 002 9 411 818	.1 .1 .1 .1			
Irrigated land	farms	1 695	.1 .1	1 399	.1			
gutou tand	acres	259 270	-	257 287	-			
Market value of agricultural products sold	farms	82 199	.1	57 049	.1 .1 .1 .1			
Crops, including nursery and greenhouse products	\$1,000	4 854 582 41 093	.1 .1	4 758 053 27 708	.1			
	\$1,000	943 422	.i l	899 467	.i			
Livestock, poultry, and their products	farms	67 484	.1]	51 950	.1			
Poultry and poultry products	\$1,000	3 911 160 4 684	.1 .1	3 858 586 2 836	.1 .1			
Poultry and poultry products	\$1,000	139 972	- 1	139 022	-1			
Livestock and poultry inventory:								
Cattle and calves	number.	62 836 4 458 683	.1 .1	48 999 4 213 590	.1 .1			
Hogs and pigs	farms	11 940	. . i i	9 111	.1			
	number	1 479 028	.1	1 421 940	.1			
Hens and pullets of laying age	number	7 302 4 347 340	.1	4 175 4 210 017	1. 1.			
				1 = 17 111				
Livestock and poultry sales: Cattle and calves	forms	61 246	.1	49 286	.1			
Cattle and caives	number_	1 806 185	:11	1 712 795	 †			
Hogs and pigs	farms	12 059	; i)	9 389	.1			
	number	2 658 032	.1 [2 561 589	.1			
Broilers and other meat-type chickens	number	897 8 803 544	.2 .1	8 744 743	.1 .1			
Crops:								
Corn for grain or seed	farms	52 645	.1	43 786	.1 .1			
	acres	3 257 104	-1 (3 125 291	.1			
Wheat for grain	bushels	332 327 822 4 276	.1 .1	321 775 955 3 578	.1 1.			
Wheat for grain	acres	122 029	.i	112 340	.1			
	bushels	5 505 837	.1 [5 151 809	.1 .1			
Sorghum for grain or seed	tarms	12	-)	187	_			
	acres bushels	(D) 11 099	-	7 086	-			
Soybeans for beans	farms	5 667	.1	4 476	.1			
	acres	332 235	.1	306 426	.1 .1			
Hay-alfalfa, other tame, small grain, wild, grass silage, green chop, et	bushels	10 619 901	.1	10 045 675	.1			
(see text)	farms	64 770	.1	49 422	.1			
	acres	4 491 368	.1	4 125 529	.1			
Vegetables harvested for sale (see text)	farms	4 262 280 326	.1	3 246 267 266	.]			
Land in orchards		1 172 (.1 .2 .3	446	.1 .1 .1 .1 .2 .2			
	acres	15 052	.3	10 700	.2			
Selected farm production expenses1:								
Livestock and poultry purchased	farms \$1.000	30 958 261 923	1.1	22 425 250 449	1.2			
Feed for livestock and poultry	farms	62 210	1.5 .5	48 225	.5			
Seeds, bulbs, plants, and trees		667 669 66 683	.5 6 .5 5 .6 .6	652 985 52 803	1.2 1.6 6.4 5.5 5.6 6.7			
Commercial fertilizer	\$1,000 1	117 535 60 964	.5	112 631 48 729	.5 .5			
	\$1,000	262 517	.6	254 594	.6			
Other agricultural chemicals	farms \$1,000	52 981 90 030	.6 .7	44 070 87 148	.6 .7			
Hired farm labor		38 398	.8	33 326				
	\$1.000	279 154	.7	273 821	.8 .7 .3 .4 .7 .7			
Energy and petroleum products	farms	81 948	.2)	56 994	.3			
	\$1,000	382 519 48 252	.4	362 864 40 202	.4			
Interest expense	\$1,000	531 636	.4 .7 .7	512 297	.7			
Estimated market value of all machinery and equipment on place1	farms	82 139	.2	57 027	.3			
, , , , , , , , , , , , , , , , , , , ,	\$1,000	4 410 681	.5	4 046 032	.6			

¹Data are based on a sample of farms.

Table E. Estimates of Reliability for County Totals for Selected Items: 1982

[For meaning of abbreviations and symbols, see introductory text]

	Farms	1	Land in fa	rms	Average value o buildings per		Harvested cr	opland	Market value of products	agricultural sold
Geographic area	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Value (dollars)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
Adams	435 298 1 852 441 1 355 1 105 512 1 056 1 766 2 442	1.3 1.5 .8 1.4 .7 .8 1.3 .8 .8	119 215 69 251 385 555 110 434 228 643 365 259 104 523 170 376 421 815 469 076	.9 1.5 .8 .5 .5 .5 .5 .5 .5 .5 .5	254 984 111 819 175 699 119 635 249 330 228 559 117 553 254 842 191 702 181 334	4.8 11.2 2.6 6.2 4.8 4.6 13.2 4.5 3.4 3.5	65 407 22 551 207 202 42 444 181 779 155 340 43 772 135 498 216 215 255 950	1.1 1.3 .6 1.1 .5 .5 1.0 .5 .5	28 315 6 196 133 793 11 146 86 336 74 133 13 481 69 137 98 138 129 745	1.4 1.7 .4 1.1 .5 .7 1.1 .5 .5
Columbia Crawford Dane Dodge Door Doun Eau Claire Florence Fond du Lac	1 637 1 140 3 130 2 353 1 032 364 1 673 1 088 104	.8 1.1 .6 .6 .8 1.5 .8 .9 2.5	355 120 277 939 601 614 431 558 155 318 85 242 412 235 214 323 23 976 367 782	.4 .9 .4 .6 .9 .6 .7 2.3	293 663 180 008 299 502 278 414 167 904 105 835 209 412 171 470 159 548 285 222	2.4 7.5 1.6 2.2 4.8 6.7 2.6 3.7 7.9 2.2	240 659 107 901 432 314 330 270 97 884 26 850 234 311 115 384 8 170 287 440	.4 .8 .4 .3 .6 1.2 .6 .8 3.2	108 892 45 160 266 752 174 295 35 696 7 925 97 451 47 889 2 850 132 520	.7 .8 .3 .4 .6 3.6 .5 .7 3.8 .4
Forest	133 2 560 1 517 705 1 435 65 897 1 602 825 554	2.4 .7 .9 1.1 .9 3.7 1.1 .8 1.2	29 589 654 642 338 889 164 188 406 294 14 160 247 136 269 791 196 754 100 738	1.6 .4 .6 .6 .6 3.1 .9 .4 .7	105 707 291 829 294 981 333 479 295 858 104 985 210 735 243 498 217 115 363 823	6.9 2.2 2.6 5.1 3.2 .6 4.1 2.5 3.7 3.2	8 417 350 347 232 096 112 754 212 834 4 285 110 111 192 767 101 595 81 144	1.9 .4 .6 .7 .8 4.1 .8 .4 .7	2 677 187 024 118 223 46 085 109 836 1 522 52 157 109 898 41 430 36 752	2.0 .4 .6 .7 1.2 3.3 .8 .4 1.0
Kewaunee La Crosse Lafayette Langlade Lincoln Manitowoc Marathon Marinette Marquette Menominee	1 124 860 1 411 573 579 1 660 3 245 844 549 6	.8 .9 .8 1.3 1.3 .6 .6 1.2 1.3 5.2	182 056 202 483 386 147 145 643 123 566 283 315 605 780 181 825 150 775 350	.4 .6 .5 .7 .7 .3 .4 .8 .8	202 241 218 098 380 109 194 508 154 275 227 780 170 791 147 576 213 213 56 000	3.0 3.6 1.8 4.9 5.4 2.4 2.7 3.8 6.6 3.0	135 728 89 994 252 965 67 466 47 856 214 132 312 917 86 373 79 295 (D)	.4 .6 .4 .7 .9 .4 .9 .8	67 874 46 337 126 815 37 362 23 594 105 552 173 296 31 962 28 605 81	.5 .6 .5 .8 .8 .4 .8 .8 .8
Milwaukee Monroe Oconto Ocoto Oreida Outagamie Ozaukee Pepin Pierce Polk Portage	167 1 774 1 235 117 1 700 527 469 1 425 1 721 1 119	2.3 .8 .9 2.0 .7 1.1 1.3 .9 .9	13 991 368 293 244 472 41 112 294 023 89 331 119 393 298 538 338 881 283 731	2.8 .65 .8 .4 .8 .9 .6 .5 .5	197 766 191 945 197 371 279 838 327 865 272 315 217 011 204 952 162 724 242 294	5.2 4.5 4.8 2.7 2.0 4.0 5.0 2.9 3.2 4.3	(D) 166 561 146 398 10 109 226 238 70 637 64 435 179 445 173 464 158 078	3.0 .6 .5 .8 .4 .8 1.1 .6 .6	7 967 83 350 61 495 7 205 117 654 30 778 24 480 68 782 72 755 82 622	1.3 .6 .5 .4 .5 1.1 1.1 .6 .6
Price Racine Richland Rock Rusk St. Croix Sauk Sawyer Shawano Sheboygan	558 814 1 234 1 680 813 1 741 1 635 200 1 761 1 349	1.0 1.0 .9 .8 1.2 .8 .7 1.9 .7	132 893 136 852 299 560 362 206 188 240 352 472 388 255 48 787 333 705 217 888	.6 .6 .7 .4 .7 .5 .4 2.1 .4	118 984 327 053 200 446 399 610 136 304 218 866 257 075 140 502 193 604 242 878	5.0 3.9 3.7 2.4 5.7 2.7 3.0 10.2 2.7 3.0	35 380 109 005 127 154 287 396 68 850 221 508 214 470 18 755 194 669 171 734	.8 .5 .8 .4 .8 .5 .4 2.6 .4 .4	15 870 57 193 59 517 122 776 30 563 93 663 104 384 8 246 103 091 79 238	.7 .4 .7 .3 .9 .6 .5 2.0 1.1
Taylor	1 138 1 606 2 414 48 1 060 390 1 103 974 1 488 783	1.0 .8 .7 3.4 1.0 1.5 .7 1.0	258 243 384 196 416 215 7 499 248 479 107 034 163 788 149 259 274 368 185 788	.6 .5 3.0 1.0 1.0 .5 .7 .7	163 193 186 362 168 011 221 125 438 461 160 723 259 484 323 661 194 198 242 678	4.6 4.9 3.4 .2 2.4 14.9 4.9 4.0 2.7 4.1	109 510 196 534 187 228 1 878 197 285 36 243 121 771 111 436 167 046 112 739	.6 .6 .5 3.5 1.0 1.4 .5 .7	55 752 94 508 90 471 2 825 88 730 13 233 53 951 51 191 75 989 54 847	.6 .7 .5 1.9 .9 1.2 .6 .5
Winnebago Wood	1 060 1 253	.9 .9	191 012 242 248	.5 .5	247 681 170 839	2.7 2.9	145 102 119 217	.5 .6	58 716 65 808	.6 .5

See footnotes at end of table.

Table E. Estimates of Reliability for County Totals for Selected Items: 1982—Con.

[For meaning of abbreviations and symbols, see introductory text]

For meaning of abbreviations and symbols, see int	outer, text		Select	ed farm prod	duction expenses	t			Estimated mark	at value of
·	Livestock and purchase		Commercial f	ertilizer	Hired farm	labor	Energy and pe	etroleum s	all machine equipme	ry and
Geographic area	Total (\$1,000)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)	Totai (\$1,000)	Relative standard error of estimate (percent)
Adams Ashland Barron Bayfield Brown Buffalo Burnett Calumet Chippewa Clark	789 57 3 567 287 4 787 5 241 553 1 729 3 081 4 392	25.9 23.8 9.6 13.1 16.4 20.9 54.5 9.2 14.4 11.9	3 215 130 5 530 179 4 432 3 333 794 2 602 4 975 5 693	5.4 11.0 3.9 9.7 6.2 5.4 17.3 5.0 4.0	1 765 253 6 249 8114 5 237 3 283 276 4 198 5 502 6 825	5.3 28.1 4.8 12.1 5.3 5.0 22.0 4.7 5.9 6.2	2 501 617 8 627 1 049 6 892 6 009 1 274 5 381 8 572 10 085	3.3 6.6 2.3 7.0 3.8 3.8 7.1 3.1 2.4 2.6	21 536 8 611 92 310 13 451 84 752 68 323 18 754 76 210 96 110 112 733	8.3 8.5 3.9 6.8 4.4 4.7 12.2 4.9 3.5 3.5
Columbia Crawford Dane Dodge Door Douglas Dunn Eau Claire Florence Fond du Lac	11 549 2 753 16 730 11 024 716 328 4 557 1 668 195 5 488	9.0 30.4 8.6 3.9 17.9 15.1 9.9 5.8 46.6 7.6	7 342 1 390 14 118 8 997 1 585 46 6 179 2 475 131 8 217	5.0 5.0 2.2 2.4 6.0 18.2 4.3 6.0 3.6 2.6	5 043 2 432 14 497 8 527 3 403 598 5 928 3 113 123 6 823	4.3 7.7 3.4 3.4 9.2 15.4 6.0 14.2 6.4 3.5	8 692 3 999 16 699 12 723 3 255 662 7 889 3 818 243 11 127	2.5 3.7 1.6 1.7 4.7 14.8 2.6 4.0 4.3 2.5	86 744 44 535 169 817 153 093 51 544 7 481 90 704 50 724 3 827 123 736	3.9 6.3 3.1 3.1 9.0 9.9 3.7 6.0 6.7 2.9
Forest Grant Green Green Green Lake lowa Iron Jackson Jefferson Juneau Kenosha	169 15 772 6 233 3 236 8 983 110 1 663 6 320 1 701 1 609	27.8 5.9 6.5 12.9 6.2 .1 21.0 5.8 28.5 7.9	117 10 451 5 348 3 521 5 747 62 2 158 6 056 2 648 2 956	21.3 2.7 3.3 5.6 3.5 .4 6.6 3.7 10.1 3.1	130 6 980 5 713 1 897 5 749 93 2 907 9 413 2 982 2 976	20.1 3.9 5.3 7.3 5.1 .2 10.5 3.0 9.2 8.1	296 15 260 9 473 3 991 8 635 148 3 893 7 309 4 040 2 870	9.3 1.9 2.5 4.5 2.6 4.7 1.9 6.5 3.0	3 446 168 391 103 913 42 477 89 615 1 798 48 146 87 041 39 637 30 346	10.5 2.7 4.9 4.9 4.3 4.0 3.5 7.1 3.7
Kewaunee La Crosse Lafayette Langlade Lincoln Manitowoc Marathon Marinette Marquette Menominee	3 087 2 189 8 508 1 333 1 914 3 712 5 340 2 362 1 598 (D)	8.9 12.4 5.1 19.5 36.3 9.1 7.8 13.8 13.3 13.7	3 009 2 063 7 744 1 900 923 5 194 6 947 1 898 2 217 (D)	8.1 4.4 2.6 2.9 5.9 2.6 3.6 5.6 5.7	4 919 2 479 4 934 3 701 1 354 6 936 10 287 1 680 2 063	4.4 6.7 4.3 5.5 10.0 3.9 4.4 14.5 6.1	5 836 3 490 9 801 2 706 1 804 7 984 12 911 2 912 2 712	3.2 3.6 2.0 4.8 6.7 2.2 2.4 4.0 3.4 2.9	69 234 42 907 99 156 31 238 23 362 101 419 163 723 38 876 28 245 108	4.8 6.1 3.0 4.9 8.1 3.0 2.7 6.1 8.7 2.1
Milwaukee Monroe Oconto Oneida Outagamie Ozaukee Pepin Pierce Polk Portage	56 3 345 2 927 242 5 930 990 1 346 4 489 4 528 8 772	25.3 16.8 21.9 7.9 11.5 20.1 52.4 7.9 16.5 4.9	206 3 494 4 474 468 7 659 2 087 1 427 3 822 3 543 6 429	8.6 6.1 6.9 2.7 4.4 5.5 8.5 3.8 4.4 3.9	1 380 4 679 3 574 1 374 6 739 2 417 1 551 3 461 3 800 6 690	2.3 4.5 7.0 1.3 4.7 10.8 13.0 6.7 6.7 2.2	1 018 6 341 5 629 617 9 109 2 587 2 277 6 042 5 776 5 893	2.8 3.1 5.4 3.0 3.5 2.9 4.6 2.6 3.8 2.7	5 086 79 666 73 602 5 583 108 107 35 074 27 797 67 824 68 704 65 566	5.0 4.0 5.3 4.4 2.5 7.5 5.4 3.5 3.7 4.7
Price Racine Richland Rock Rusk St. Croix Sauk Sauk Sawer Shawano Sheboygan	489 3 859 3 732 8 306 925 5 005 5 165 157 6 584 3 013	15.0 8.6 15.4 2.7 21.0 6.1 10.8 10.7 7.4 13.0	432 3 932 2 183 10 926 842 5 403 5 669 252 4 541 4 121	13.6 4.7 4.6 2.2 11.9 4.2 4.2 6.2 3.5	1 085 5 230 3 286 6 177 1 516 4 948 5 174 617 5 561 4 911	9.2 4.9 8.3 3.0 18.6 6.2 3.5 10.4 5.8 5.6	1 447 5 127 4 766 9 990 2 515 7 079 8 651 551 7 618 6 149	4.8 4.2 3.2 1.9 6.3 2.5 2.3 8.3 2.1 2.9	15 351 47 433 54 972 95 419 28 235 88 011 96 582 7 148 100 406 80 659	5.5 4.7 4.8 2.6 7.5 3.9 3.6 16.7 3.7
Taylor Trempealeau Vernon Vilas Walworth Washburn Washington Waukesha Waupaca Waushara	3 261 7 734 5 705 (D) 6 149 784 1 662 1 932 3 303 2 386	17.6 10.0 10.9 - 8.5 26.5 9.5 7.6 14.1 14.3	1 734 4 633 3 097 (D) 7 309 602 2 802 3 453 4 077 4 673	7.8 5.1 3.9 .2 2.9 10.8 5.3 5.4 3.9 5.4	2 884 4 854 4 432 448 4 439 802 3 444 4 028 5 041 4 143	7.5 6.2 6.6 4.1 13.7 5.3 3.9 4.9	4 691 7 737 7 318 1 182 6 678 1 291 4 629 3 873 6 222 4 285	5.1 2.9 3.1 2.8 6.8 1.9 2.7 3.1 3.2	56 873 80 041 89 682 2 473 69 433 12 570 60 002 43 224 79 806 51 366	6.0 3.3 4.0 .1 3.7 8.6 3.3 5.0 3.9 5.3
Winnebago	1 425 2 346	6.4 14.0	3 475 2 392	3.5 4.9	3 318 5 065	5.0 8.1	5 265 4 973	3.9 2.8	62 669 63 245	3.7 4.2

¹Data are based on a sample of farms.

APPENDIX B. Effect of the Area Sample on Census Comparability

The 1982 and 1978 Censuses were conducted primarily by mail. Despite every effort to assemble a complete list, a small portion of the Nation's farms were not included on the census mail list. To improve the coverage of the 1978 Census, especially in counting the number of small farms, the mail-out/mail-back enumeration was supplemented by the direct enumeration of all households in a sample of areas in all States, except Alaska and Hawaii. Due to budget reductions, the direct enumeration sample was eliminated in the 1982 Census.

In late 1978, enumerators visited all households in approximately 6,400 segments in rural areas (areas with less than 2,500 population) and completed a census form for each agricultural operation. These forms were then matched to the census mail list. Data from those cases which were not matched to the mail list were used to estimate the number and characteristics of farms not on the mail list at the State, regional, and national levels. No county-level estimates were developed because the area sample size was insufficient for reliable estimates at that level.

The U.S., region, and State data for 1978 shown in the 1978 Census of Agriculture publications included data for farms represented on the mail list plus estimates from the area sample for farms not on the mail list. To provide comparable data for 1982 and 1978, estimates from the area sample have been subtracted from the 1978 data. Thus, all 1978 data presented in the 1982 Census of Agriculture publications include data only for farms on the 1978 mail list.

In 1978, the area sample farms accounted for 9 percent of all farms in the United States, but only 1 percent of the total value of agricultural products sold and 1 percent of the land in farms. The area sample farms represented 25 percent of all farms with sales of less than \$2,500. The contribution of the area sample farms to the total farm count varied widely by State, from a low of 2.0 percent in North Dakota to a high of 23.8 percent in New Hampshire.

The following table shows the 1982 results and adjusted 1978 data for farms on the mail list, as well as 1978 data which include estimates for farms not on the mail list.

Effect of 1978 Area Sample on Census Comparability: 1982 and 1978

[For meaning of abbreviations and symbols, see introductory text] Data published in 1978 Census of Agriculture Data published in 1982 Census of Agriculture Percent of 1978 total Item Portion of total from 1978 area sample³ represented 1978 adjusted¹ by area sample portion 1982 3.8 1.5 (X) 18 106 245 171 616 Land in farms ______acres_ Value of land and buildings⁴, average per farm ______dollars_ 17 838 982 175 095 84 122 86 706 12 240 963 84 356 9 965 480 3 040 152 254 2 648 3.5 1.2 3.1 1.0 83 666 12 088 709 81 708 9 863 051 11 769 183 75 734 10 062 154 Harvested cropland 102 429 Irrigated land 1 645 234 557 259 270 234 557 Farms by size: 4 254 10 256 3 688 8 341 9 659 9 514 7 892 3 508 10 991 4 173 9 610 11 589 11 451 9 068 7 079 17 233 4 437 3 117 9 447 3 853 9 479 11 158 11 211 11.1 14.0 7.7 1.4 3.7 2.1 1.8 .4 1.1 544 320 50 to 69 acres _____ 240 160 8 908 7 048 180 to 219 acres 192 4 682 778 172 Market value of agricultural products sold \$1,000 Crops, including nursery and greenhouse products \$1,000 Livestock, poultry, and their products \$1,000 \$1,0 4 854 582 943 422 3 911 160 3 444 600 671 094 2 773 506 3 467 821 674 910 2 792 910 19 404 Farms by value of sales:
Less than \$2,500
\$2,500 to \$4,999
\$5,000 to \$9,999
\$10,000 to \$19,999
\$20,000 to \$39,999
\$40,000 to \$39,999 10 768 6 472 7 884 8 940 11 304 22 951 13 620 8 421 10 272 11 875 16 488 22 795 14.4 3.6 3.6 4.0 1.5 .4 967 8 119 9 901 11 395 16 248 22 715 371 480 \$40,000 to \$99,999 RΩ \$40,000 to \$99,999 \$100,000 to \$249,999⁵ \$250,000 to \$499,999⁵ 465 231

See footnotes at end of table.

Effect of 1978 Area Sample on Census Comparability: 1982 and 1978-Con.

[For meaning of abbreviations and symbols, see introductory text]

		olished in of Agriculture	Data put 1978 Census		Percent of
item	1982	1978 adjusted¹	1978 total ²	Portion of total from 1978 area sample ³	1978 total represented by area sample portion
Farms by type of organization: Individual or family	70 842 8 937 2 193 227	76 016 8 749 1 555 185	79 436 8 769 1 555 185	3 420 20 - -	4.3 .2 -
Tenure of operator: Full owners	48 529	53 689	55 867	2 178	3.9
	26 617	26 645	27 236	591	2.2
	7 053	6 171	6 842	671	9.8
Operators by principal occupation: Farming Other than farming	57 939	59 222	60 004	782	1.3
	24 260	27 283	29 941	2 658	8.9
Female operators: Farmsnumber Land in farmsacres	3 256	3 132	3 163	31	1.0
	454 370	444 240	444 395	155	(Z)
Operators by race: WhiteBlack and other races	82 035 164	86 298 207	89 738 207	3 440	3.8
Corn for grain or seed	52 645	56 602	58 173	1 571	2.7
	3 257 104	2 975 928	3 000 662	24 734	.8
	4 276	2 403	2 563	160	6.2
	122 029	42 655	45 615	2 960	6.5
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	64 770	71 292	73 418	2 126	2.9
	4 491 368	4 771 840	4 829 796	57 956	1.2
	4 262	5 188	5 330	142	2.7
Land in orchards	280 326	319 090	320 344	1 253	.4
	1 172	1 285	1 365	80	5.9
	15 052	13 806	13 886	80	.6
Cattle and calves inventory farmsnumber	62 836	64 192	66 544	2 352	3.5
	4 458 683	3 971 214	4 010 848	39 634	1.0
Hogs and pigs inventoryfarms	11 940	15 713	16 573	860	5.2
number_	1 479 028	1 473 818	1 491 178	17 360	1.2
Chickens 3 months old or older inventory	7 373	9 284	10 748	1 464	13.6
	4 926 499	4 499 970	4 556 208	56 238	1.2
Estimated market value of all machinery and equipment ⁴ \$1,000_ Energy and petroleum products ⁴ \$1,000_ Hired farm labor, workers working 150 days or more ⁴ farms_number_	4 410 681	3 475 058	3 511 869	36 811	1.0
	382 519	208 074	210 361	2 287	1.1
	21 121	18 027	18 107	80	.4
	46 478	37 885	37 965	80	.2

¹Includes data only for farms on 1978 mail list—excludes area sample data. ²Includes mail list enumeration and area sample data. ³Data from farms not on mail list. ⁴Data are based on a sample of farms. ⁵Retabulated 1978 data for 1982 comparability.

APPENDIX C.

Report Form and Information Sheet

DUE BY FEBRUARY 15, 1983				O M B APPRO	OVALNO. 0607 0	408: EXPIRES 12/84				
FORM 82-A0303 U.S. DEPARTMENT OF COMMERCE SUREAU OF THE CENSUS UNITED STATES	THE CENSUS BU only for statistica	onse to this inquiry is required by REAU IS CONFIDENTIAL. It ma Il purposes. Your report CANNO rides that copies retained in your	y be seen only by I be used for purp	. Code). By the sworn Censuses of taxati	ne same law YO is employees a on, investigation	OUR REPORT TO				
82 CENSUS OF AGRICULTURE	In correspondence pertaining to this report, please refer to your Census File Number (CFN)									
BIOGRAPH OF THE CENTURE	_			8	2-A0303					
Please complete this form and RETURN TO 1201 East Terth Street Jeffersonville, Indiana 47133										
Note — If your records are not available, reasonable estimates may be used. If you cannot file by February 15, a time extension request may be sent to the above address. Include your 12-character Census File Number (CFN) as shown in your address label in all correspondence to us.										
If you received more than one report form, enter extra Census File Numberlish here and return extra copies with your completed report.										
CENSUS USE 039 040 041 042	L									
ORLY	<u> </u>	(Please correct errors	in name, address,	and ZIP code	.)					
SECTION 1 ACREAGE IN 1982 If the acres you operated in 1982 changed during the year, refer to the INFORMATION SHEET, Section 1.	เ	VSTRUCTIONS — Please ise section 7 to report ON	LY those crop	s NOT liste	ed in section	ns 2 through				
Report land owned, rented, or used by you, your spouse, or by the ship, corporation, or organization for which you are reporting. Incli	partner-	and section 8. DO NOT I SECTION 2 Were any of the	NCLUDE crop FOLLOWING CR							
LAND, REGARDLESS OF LOCATION OR USE — cropland, pasture	and,	S2	Acres	<u> </u>	harvested	Acres				
1		No 1. Corn (field) for grain or seed (Report quantity on a	ne harvested	068		irrigated 069				
2. All land rented or leased FROM OTHERS, including land worked		dry shelled-weight basis) L 2. Corn (field) for silage	070	071		072				
payment of taxes, etc. Include leased Federal, State, and railroad	14	or green chop	073	074	Tons, green	075				
land. (DO NOT include land used on a per-head basis under a grazing permit.) Also complete item 5 below	45	3. Wheat for grain (including durum)	076	077	Bu.	078				
3. All land rented or leased TO OTHERS, including land worked on shares by others and land subleased. Also complete item 6 below.	1	4. Oats for grain	079	080	Bu.	081				
4. ACRES IN THIS PLACE — ADD acres owned (item 1) and acres	046	5. Barley for grain	686	687	Bu. Bu.	688				
rented (item 2), then SUBTRACT acres rented TO OTHERS (item 3), and enter the result in this space.	i i	7. Soybeans for beans	088	089	Bu.	090				
For this census report these are the "ACRES IN THIS PLACE." If the entry is zero please refer to the INFORMATION SHEET, Section 1.	1	8. Beans, dry edible	734	735	Cwt.	736				
5. If you rented land FROM OTHERS (item 2) enter the following information for e	ech landlord.	9. Sunflower seed	605	606	Lbs. Bu.	607				
Name of landlord Mailing address (Include ZIP code)	diliber of acres	1. Sugar beets for sugar	719	720	Tons	721				
		2. Tobacco – all types	094 /1	095	Lbs.	096 /10				
	13	3. Potatoes, Irish	097	098	Cwt.	099 /10				
List additional landlords on a separate sheet of paper.			IAY, GRASS SILA this place in 198		E, or GREEN C	HOP cut or				
6. If you rented land TO OTHERS (item 3), enter the following information for Name of renter Mailing address (Include ZIP code)	each renter. lumber of acres	Include sorgh	um-suden crossi	and hay cu	rt from pastu	res.				
		1 YES — Com	plete this section	2 N	O — Go to sec	ction 4				
List additional renters on a separate sheet of paper.		If cuttings were made for both fields, report the acreage in the SILAGE, HAYLAGE, and GREEI	appropriate items u	ilage, haylage, nder DRY HAY	or green chop f and also under	rom the same GRASS				
Of the land you rented or leased to others, how many acres did you own?	Acres	DRY HAY (If two or more co were made from the same acres, once, but report total tons from all	uttings of dry hay report acres only	Acres harvested	Quantity harvested (Report either or green weight indicated)	dry irrinated				
7. During 1982, did you have any Federal or state grazing permits on a per-head basis; such as Forest Service, Taylor Grazing, Indian Reservations, etc.?	(es 2□Na	a. Alfalfa and alfalfa mixtures f	от	103	104 To	ons,				
None S. How many acres were diverted (or set-aside) under Federal		b. Small grain hay - oats, whe	at,	106	107 Te	ons,				
commodity acreage reduction programs in 1982?	Acres	c. Other tame dry hay, clover,		109	110	111 ons,				
	lumber of acres	timothy, bromegrass, Sudar		112	113	114				
a. in what county was the	56	d. Wild hay 2. GRASS SILAGE, HAYLA			di di	ons, ry				
agricultural products county →	57	GREEN CHOP (hay crops green) (If two or more cuttings the same acres, report acres only	cut and fed were made from	115	116	117 ons.				
b. If you also have agricultural		total tons from all cuttings.) 3. HAY SOLD — Did you sell a				reen				
countulise) enter the	59	or grass silage in 1982? (Re of hay sold in section 9, item	port value	118 1 Yes	2 🔲 No	•				
PENALTY FOR FAILURE TO REPORT										

		iETABLES, SWI is place in 1982	EET CORN, MI ? (Exclude tho				SECTION 6 W	ere any S' OR SALE (TRAWBE	RRIES, CI place in 1	ANBERRIE 82? (Exclud	S, or OTHER de those grow	BERRIES h m for home	arveste use.)
	٠	- Complete th - Go to section						YES		emplete this				
			Acre	s	Acres	irrigated	From the list belo	w. enter	crop na	me and c	de. Report	auantity harve	sted in unit	
1. Land from which v	egetable:	were	Whole acres	Tenths	Whole ac	res Tenths	specified with crop n		· .				,	
harvested in 1982				/10		/10	Crop name	Code		harvested cres Tent	Quantit	y harvested	Acres in Whole acre	
From the list below If more than one ve	ı, enter th egetable (e crop name and crop was harves	I code for each ted from the si	n crop has ame acres	rvested in 19 s, report acr	982. res for	Strawberries	536			537		538	1 /1
each crop. Report	crops gro	wn under protec	tion in section	5.			Strawberries	330	ļ	1 /1	1	Lbs.	2	1 /:
Crop na	me	Code	Acres har	vested	Acres 382	irrigated		 		- /1	0		2	1 /1
Snap beans (bush and	d pole)	381		/10		/10	.	1		1 /1	0			1 /1
Peas, green		441		1 /10	<u> </u>	/10	If more space is neede	id, use sep	arate shee	t of paper.				
Sweet corn	_	461		//10	462	/10	Crop name Blackberries and dev	therries (n	ounde)	Code	Crop name	ı s (pounds)		Cod 533
				. /10	,	/10	Blueberries, tame (pr	ounds)		. 512 ;	All other be	erries (pounds)	_	
				1 /10	1	1 /10	Cranbernos (100-lb.	Danels,						
			 	1	1	1	SECTION 7 W					his place in 1		
If more space is needed.	use separa	te sheet of paper.		/10	01	1 /10		Ha seeas, eport frui			other crops	not previous	iy reported	•
Crop name	Code		Cod			Code	" ,	YES	- C	omplete th	e section			
Asparagus	383	Eggplant	nd pickles411	Radish	nes	449 451				to section				
Cabbage, head	385 391	Lettuce and ro	elons423 omaine 427	/ Spinad	irb ch	457			•					
Cantaloups and muskmelons	395	Mustard green	reen 429 ns431	Tomat	toes	459 463	For those crops Report quantity han	not list vested in	ed ente unit spec	r the cro dified with	o name ar crop name.	nd code tro	m the list	pelov
Cauliflower	399	Onions, green	433 435	Turnip	greens	467	Crop name	10	ode Ac	res harves	ed Quant	ity harvested	Acres	irrigate
Collards		Peppers, hot	et443 445	5 'Other	melons vegetables cify	_			_		630		631	
SECTION 5 Were	any NUI	RSERY and GRE	ENHOUSE PE				Kentucky bluegrass	seed	629		672	Lbs	673	
bulbs	s, flowers	, flower seeds,	vegetable seed	ds and pla	ants, vegeta	ables under	Red clover seed		671			Lbs		
		protection, GR(.t on this	place in 19	827	Timothy seed		746		747	Lbs.	748	
		Complete the Go to section			Area irrigate				644		645	Lbs	of 646	
2 🗆	1 140	- Go to section	None	Square fo			Mint for oil				083	Oil	084	
1. Nursery and greenho	ouse prodi	ucts irrigated in 1	982 🔲 🛂	77	478	/10	Sorghum for grain or (Exclude sorghum-sudan	crosses)			İ			
2. From the list below,	enter the	product name an	d code for each	product g	jrown.		Sorghum for silage of		082		086	Bu.	087	
		Square feet	Acres in the				green chop	i	085			Ton gree	s,	
Product name	Code	under glass or other protection	in 1982		Sales i	in 1982			-		1	gree	2	
		in 1982	Whole acres	Tenths	Dollars	Cents			-		1		2	
			[_ [/10 \$		İ							2	
			1	/10 \$			If more space is neede	d use sens	rate sheet	of paper			<u> </u>	
			1	/10 \$			Crop name	b, 000 30pc	100 311061	Code	Crop name			Cod
If more space is needed, u	use separat		l				Alfalfa seed (pounds Birdsfoot trefoil seed) (pounds)		542 566	Dry edible p	peas (hundred) ounds, shelled	weight)	65
Product name	vegetable	Code plants) 479	Product nan Mushrooms		••••	Code	Buckwheat (bushels) Corn cut for dry fodd	er, hogge	 3	575	Proso mille	t (bushels)		666
Deducing plants (include		482	Sod harves	ted	seeds	497	or grazed (report ac Emmer and spelt (bu	shels)		599	Ryegrass se Sweetclove	(pounds) eed (pounds) . er seed (pound	s)	689
Bulbs	rist greens			vegetable	es	503	Herbs, including gins	1	ds)	620	Triticale (b	ushels) ounds)		749
Bulbs	namentais	, fruit	Other - Sp	ecify		506	Mixed grains (bushels	eng (poun s)		614				
Bulbs	namentals nes plants	, fruit 488 491	Other – Sp	ecify		506	Mixed grains (bushels Mustard seed (pound	s) is)	······	614 650		s (pounds) – S	респу	
Bulbs. Cut flowers and cut flo Nursery products — or and nut trees, and vin Foliage and flowering p	namentals nes plants there a co	, fruit 488 491 ombined total of	Other — Sp	ecify		506	Mixed grains (bushels Mustard seed (pound	s) is)	······	614 650		s (pounds) — S	респу	
Bulbs Cut flowers and cut flo Nursery products or and nut trees, and vin Foliage and flowering p SECTION 8 Was S8 1	namentals nes plants there a co	, fruit 488	Other — Sp 20 or more FF	ecify		ng GRAPEV	Mixed grains (busheld Mustard seed (pound INES and NUT TREES	s)is)	······	614 650		s (pounds) — S	ресіту	
Bulbs. Cut flowers and cut flo Nursery products — on and nut trees, and vin Foliage and flowering; SECTION 8 Was 1 2	there a co	ombined total of Complete th Go to section	Other — Sp 20 or more Fi ils section	RUIT TRE	ES, includio	ng GRAPEV	Mixed grains (busheld Musterd seed (pound INES and NUT TREES Acres irrigat	s) s) S ON THIS	······	614 650		s (pounds) — S	ресіту	
Bulbs	there a co	mbined total of Complete th Go to section	Other — Sp	RUIT TRE	ES, includio	ng GRAPEV	Mixed grains (bushel Mustard seed (pound INES and NUT TREES Acres irrigatents Whole acres 122	s)	······	614 650		s (pounds) — S	ресіту	
Bulbs Cut flowers and cut flo Nursery products - on and nut trees, and vin Foliage and flowering s SECTION 8 Was S8 1 2 1. TOTAL ACRES in and nut trees on the	there a co	mbined total of Complete th Go to section and nonbearing f Do not include a	Other — Sp 20 or more Fi is section in 9 fruit orchards, i abandoned acre	RUIT TRE	Who	Total acres	Mixed grains (bushels Musterd seed (pound INES and NUT TREES Acres irrigatenths Whole acres 122 1710	ted Tenths	S PLACE	614 660 in 1982?		s (pounds) — S	респу	
Bulbs. Cut flowers and cut flo Nursery products - or and nut trees, and vin Foliage and flowering; SECTION 8 Was S8 1	there a co	mbined total of Complete th Go to section and nonbearing f Do not include a	Other — Sp 20 or more FF rule section n 9 rule orchards, sbandoned acre ame and code	RUIT TRE	Who 121	ng GRAPEV Total acres ole acres T	Mixed grains (bushels Musterd seed (pound INES and NUT TREES Acres irrigatenths Whole acres 122 1710	ted Tenths /10	S PLACE	614 660 in 1982?		s (pounds) — S	респу	
Bulbs Cut flowers and cut flo Nursery products - or and nut trees, and vin Foliage and flowering; SECTION 8 Was S8 1 2 1. TOTAL ACRES in and nut trees on th 2. For those crops not	there a co	. fruit 488 491 Dimbined total of Complete th Go to section and nonbearing f Do not include a atlow, enter the n ation for each cr	Other — Sp 20 or more FF Is section 19 Truit orchards, abandoned acre ame and code rop even if not	vineyards es.) from the harveste	Who 121 list at the rig d because o	ng GRAPEV Total acres ole acres T	Mixed grains (bushels Mustard seed (pound INES and NUT TREES Acres irrigatents Whole acres 1/10 1/22 1/10 1/10 1/10 1/10 1/10 1/10	ted Tenths /10 this place ost, etc. sure	S PLACE	614 660 in 1982?		s (pounds) — S	респу	
Bulbs Cut flowers and cut flo Nursery products - or and nut trees, and vin Foliage and flowering; SECTION 8 Was S8 1 2 1. TOTAL ACRES in and nut trees on th 2. For those crops not	there a co	. fruit 488 491 Dimbined total of Complete th Go to section and nonbearing f Do not include a clow, enter the n ation for each ci	Other — Sp 20 or more Fi is section representation represe	vineyards es.) from the harveste Acres	Who 121	Total acres ole acres T	Mixed grains (bushels Mustard seed (pound INES and NUT TREES Acres irrigatents Whole acres 1/10 1/12 1/10 1/10 1/10 1/10 1/10 1/10	ted Tenths /10 this placest, etc.	in 1982	614 660 in 1982?		s (pounds) — S	респу	
Bulbs	there a cc YES NO bearing a is place. (t listed be ed inform	. fruit	Other — Sp 20 or more Fi is section in 9 iruit orchards, ibandoned acre ame and code rop even if not R OF NES OF — Bearing age	vineyards es.) from the harveste Acres	Who is a the right of the second of the seco	Total acres ole acres T ght for other of low prices,	Mixed grains (bushels Mustard seed (pound Mustard seed (pound Mustard seed (pound Mustard seed (pound Mustard seed (pound Mustard seed (pound Mustard	ted Tenths /10 this place ost, etc.	in 1982.	614 660 in 1982?	Other crops	s (pounds) — S	Code	
Bulbs	there a cc YES NO bearing a is place. (t listed be ed inform	. fruit	Other — Sp 20 or more FF Is section 19 Truit orchards, ibbandoned acre ame and code rop even if not ER OF Bearing	vineyards es.) from the harveste Acres and v	Who is a the right of the second of the seco	Total acres ole acres T ght for other flow prices,	Mixed grains (bushels Mustard seed (pound INES and NUT TREES Acres irrigatenths Whole acres 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/1	ted Tenths /10 this placest, etc.	in 1982.	614 650 in 1982? Crop nai	Other crops		Code 129	
Bulbs. Cut flowers and cut flo Nursery products - or and nut trees, and vin Foliage and flowering; SECTION 8 Was S8 1 2 1. TOTAL ACRES in and nut trees on th 2. For those crops not Report the request Crop name	namentals ness plants there a cc YES NO bearing a is place. (t listed be ed inform Code	with the second	Other — Sp 20 or more Fi is section in 9 iruit orchards, ibandoned acre ame and code rop even if not R OF NES OF — Bearing age	vineyards es.) from the harveste Acres and v all	Who was a second of the second	Total acres Total acres ole acres Total ac	Mixed grains (bushels Mustard seed (pound lines and NUT TREES Acres irrigatents Whole acres 1/10 122 1/10 fruit and nut trees on damage from hail, from tity sted 1/27 1/10 1/2	ted Tenths /10 this place sst, etc. sure \$\frac{1}{2}\$ Lbs. x per ber ber ber ber ber ber ber ber ber b	in 1982.	650 in 1982? Crop nai Apricots Nectarin Pears	Other crops		Code 129 201 231	
Bulbs Cut flowers and cut flo Nursery products - or and nut trees, and vin Foliage and flowering p SECTION 8 Was SS 1	there a country to the country to th	, fruit 488 491 ombined total of Complete the Go to section and nonbearing f Do not include a clow, enter the n ation for each circ NUMBE TREES OR VI Nonbearing age	Other — Sp 20 or more FF ils section n 9 ruit orchards, ruit o	vineyards es.) from the harveste Acres and v all Whole ac	Who take the right of the course of ages ress Tenths //10	Total acres ole acres T	Mixed grains (bushels Mustard seed (pound Mustard seed (pound Mustard seed (pound seed (po	ted Tenths /10 this place ost, etc. sure per box 128 3	in 1982.	614 650 in 1982? Crop net Apricots Nectarin Pears	Other crops		Code 129 201 231 243	
Bulbs Cur flowers and cut flo Nursery products on and nut trees, and vin Foliage and flowering p SECTION 8 Was SS 1	there a country to the country to th	, fruit	Other — Sp 20 or more Fi sis section 19 10 10 10 10 10 10 10 10 10	vineyards es.) from the harveste Acres and v all Whole ac 125	Who take the right of the course of ages the street of the course of the	Total acres ole acres T Guarante Guaran	Mixed grains (bushels Mustard seed (pound Mustard seed (pound Mustard seed (pound seed (po	ted Tenths /10 this place sst, etc. \$\frac{9}{20} \text{Lbs}, \text{per box} \text{box} \text{3} \text{3} \text{152} \text{3} \text{3} \text{152} \text{3} \text{3} \text{152} \text{3} \text{3} \text{3} \text{152} \text{3} \text{3} \text{3} \text{152} \text{3} \text{4} \text{4} \text{4} \text{4} \text{4} \text{4} \text{4} \text{4} \text{4} \te	in 1982.	614 650 in 1982? Crop net Apricots Nectarin Pears	Other crops		Code 129 201 231 243	
Bulbs. Cur flowers and cut flo Nursery products — or and nut trees, and vin Foliage and flowering p SECTION 8 Was S8 1	there a country to the country to th	, fruit	Other — Sp 20 or more Fi sis section 19 10 10 10 10 10 10 10 10 10	vineyards es.) from the harveste Acres and v all Whole ac 125	Who take the right of the course of ages ress Tenths //10	Total acres ole acres T Guarante Guaran	Mixed grains (bushels Mustard seed (pound Mustard seed (pound Mustard seed (pound seed (po	ted Tenths /10 this place ost, etc. sure sign box 128 3 152 3 1182	in 1982.	614 650 in 1982? Crop net Apricots Nectarin Pears	Other crops		Code 129 201 231 243	
Bulbs. Cur flowers and cut flo Nursery products - on and nut trees, and vin Foliage and flowering p SECTION 8 Was SS 1	there a country to the country to th	, fruit	Other — Sp 120 or more Fi 13 section 19 Iruit orchards, shandoned acre ame and code rop even if not ER OF NES OF — Bearing age 1124 1148 1178	vineyards es.) from the harveste Acres and v all Whole ac 125	Who take the right of the course of ages the street of the course of the	Total acres ole acres Total acres ole acres Total acres ole acres Total acres ole acres Total acres ole acres Total acres ole acres Total acres ole acres Total acres ole acres Total acres ole acres Total acres ole acres ole acres Total acres ole	Mixed grains (bushels Mustard seed (pound Mustard seed (pound Mustard seed (pound seed (po	ted Tenths //10 this place set, etc. sure per box 128 3	in 1982.	614 650 in 1982? Crop net Apricots Nectarin Pears	Other crops		Code 129 201 231 243	

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SECTION 9 GROSS VALUE of CROPS SOLD from this place in			SECTION 12 Did you or anyone else have any CATTLE or CALVES on this place in 1982?			
s9 taxes and expenses (Refer to the INFORMATION SHEET, Section 9.) Report your best estimate of the value for each of the following groups of crops sold			S12 1 YES — Complete this section			
from this place in 1982. Include the value of the landlord's and/or contractor's share, estimating if necessary. Exclude value of Government CCC loans.			2 NO - Go to section 13 INVENTORY			
· · · · · · · · · · · · · · · · · · ·		llars Cents	DECEMBER 31, 1982 INVENTORY None place Dec. 31, 1982			
1. Grains, soybeans and other beans sold in 1982 None a. Corn for grain	774 \$	1	1. CATTLE AND CALVES of all ages			
	775		(Total of a, b, c, and d below)			
	\$ 776		a.BEEF COWS — Include beef heifers that had calved			
	\$		b. MILK COWS kept for production of milk or			
1	\$	i	cream for sale or home use — Include dry Milk milk cows and milk heifers that had calved			
· -	778 \$		806 Heifers			
f. Other - barley, rye, dry edible beans, sunflower	779		c.HEJFERS AND HEJFER CALVES/Exclude and heifer			
	\$ 780		heifers that had calved) calves			
2. Cotton and cottonseed	\$		d. STEERS, STEER CALVES, BULLS, AND BULL CALVES			
1.	\$	i	house			
_ [782	· · ·	CATTLE AND CALVES SOLD FROM THIS PLACE IN 1982			
	\$ 783		Include those led on this place on a Number sold Gross value of sales			
Irish potatoes and sweetpotatoes, report them in item 7 below	\$	<u> </u>	as sold cattle moved from this place Dollars Cents			
o. Fruits, nuts, beries - apples, chemas, grapes, peaches,	784	1	_ '''			
	785		810 811			
(Exclude nursery and greenhouse products) —		į	3. Cattle, including calves weighing 500 pounds or more			
Specify	\$	i	a. Of the total cattle sold, how many were			
SECTION 10 LAND USE IN 1982			FATTENED on this place on GRAIN or 812 813			
NOTE: If the same land had more than one use in 1982, REP ONLY ONCE — in the use first listed below that applies. For example, the control of			CONCENTRATES for 30 days or more and SOLD for SLAUGHTER?			
harvested and also pastured is to be reported only as "Croplan			DAIRY PRODUCTS			
1. CROPLAND		Number of acres	THIS PLACE IN 1982 Gross value of sales			
a. Cropland harvested — Include all land from which crops were harvested or hay was cut, and all land in orchards, citrus	71	87	4. Gross value of sales of DAIRY PRODUCTS None Dollars Cents			
groves, vineyards, and nursery and greenhouse products		88	from this place in 1982 — Include milk, cream, butter, etc. \$			
b. Cropland used only for pasture or grazing — Include rotation pasture and grazing land that could have been used for		• •	SECTION 13 Did you or anyone else have any HOGS or PIGS on this place in 1982?			
crops without additional improvements.		89	S13			
c. Cropland used for cover crops, legumes, and soil- improvement grasses, but NOT harvested and NOT			1 YES — Complete this section INVENTORY			
pastured		90	2 NO — Go to section 14 Number on this place Dec. 31, 1982			
d. Cropland on which all crops failed (Exception: Do not report here land in orchards and vineyards on which the crop	_	-	DECEMBER 31, 1982 INVENTORY None 815			
failed. Such acreage is to be reported in item 1a.)	79	91	1. HOGS and PIGS of all ages (Total of a and b below)			
e. Cropland in cultivated summer fallow	7	93	a. HOGS and PIGS used or to be used for BREEDING Breeding			
f. Cropland idle		94	b. OTHER HOGS and PIGS Other			
2. Woodland — Include all woodlots and timber tracts and			LITTERS FARROWED			
cutover and deforested land with young timber growth. b. Woodland not pastured		95	2. LITTERS FARROWED on this place between — None Number of litters			
3. Other pastureland and rangeland - Include any pastureland		96	a.December 1, 1981 and May 31, 1982			
other than cropland and woodland pasture	17.	97	b. June 1, 1982 and November 30, 1982			
4. All other land — Land in house lots, ponds, roads, wasteland etc. — Include any land not reported in items 1 through 3 above	, — I		Number Gross value of sales			
5. TOTAL ACRES — Add the scres reported in items 1 through 4 (Should be the same as section 1, item 4, page 1.)	7	798	HOGS AND PIGS SOLD None in 1982 Sold Dollars Cents			
SECTION 11 Was any LAND in this place IRRIGATED at any tim	e ir. 100	27	3. HOGS and PIGS SOLD from this			
Irrigated land is all land watered by any artificial or controlled means - spri	inklers, fu	rrows	place in 1982			
or ditches, spreader dikes, etc. Include supplemental, partial, and preplan	t irrigation	1.	4. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding?			
1 YES — Complete this section	None	Number of acres irrigated	SECTION 14 Did you or anyone else have any SHEEP or LAMBS on this place in 1982?			
2 Li NO — do to section 12		ingated	\$14			
How many acres of harvested land were irrigated?			1 YES — Complete this section 2 NO — Go to section 15			
nonbearing fruit and nut crops reported in section 10, item 1a. 2. How many acres of pastureland, rangeland, and any other	6	81	INVENTORY			
lands not included in item 1 above were irrigated?			Number on this NUMBER SULD			
3. What percent of the irrigation water used on this place in	_		None place Dec. 31, 1962			
1982 was obtained —	None	Percent 682	1. SHEEP and LAMBS of all ages			
a. From a well or wells located on this farm or another farm?		%	a.EWES 1 year old or older			
b. From an on-farm surface supply not controlled by a water	•	683	Number shorn Pounds of wool			
supply organization (stream, drainage ditch, lake, pond, spring, or reservoir on or adjacent to this farm)?	🔲	%	None in 1982 shorn in 1982			
c. From off-farm water suppliers (U.S. Reclamation projects;	ப	684	2. SHEEP and LAMBS SHORN			
irrigation district; mutual, cooperative, or neighborhood			Gross value of sales			
ditches; or other irrigation organizations)?	⊔	%	3. What was the gross value of sales of SHEEP,			
d. TOTAL — Sum of a, b, and c should equal 100% ——	>	100%	LAMBS, and WOOL from this place in 1982?			
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APPENDIX C C-3

SECTION 15 Did you or anyone else have any HORSES, BEES, FISH, GOATS, OTHER LIVESTOCK, or ANIMAL SPECIALTIES in 1982?	SECTION 17 S17					
S15 1 YES - Complete this section 2 NO - Go to section 16	■ GOVERNMENT CCC LOANS 1. Amount received in 1982 from Government CCC loans for — None 1799 Cents					
INVENTORY	(Include regular and reserve loans, even if redeemed or forfeited)					
Number on Total number this place sold in 1982	a. Corn , sorghum, barley, and oats					
None Dec. 31, 1982 Dollars Cents	b. Wheat					
1. Horses and ponies of all ages	c. Cotton					
2. Colonies of bees	d. Soybeans, peanuts, rye, rice, tobacco, and honey 5					
836 837 838	■ MACHINE WORK, CUSTOMWORK, and OTHER					
3. Mink and their pelts \$	AGRICULTURAL SERVICES 2. Gross amount received from machine work, customwork,					
specialties in captivity	and other agricultural services PROVIDED FOR OTHERS in					
(Enter name and code from 'List A" below.)	1982 — planting, plowing, spraying, harvesting, etc 📙 💲					
Name\$	Specify kind of work done					
List A	SECTION 18 During 1982 did you SELL any crops, livestock, or livestock products DIRECTLY to individuals FOR HUMAN CONSUMPTION — roadside					
Name Code Name Code Name Code	stands, farmers markets, pick your own, etc.?					
Angora goats	1 YES - Complete this section					
Other goats	2 NO - Go to section 19 None Dollars Cents					
Total quantity sold Gross value of sales	1. What was the gross value of these direct sales?					
in 1982 Dollars Cents						
products (Enter name and code from "List B" below.)	Specify products sold, vegetables, eggs, etc					
Name Code 2 OR Pounds	SECTION 19 TYPE OF ORGANIZATION					
Gallons	Mark (X) the one item which best describes the type of organization for					
(List B)	this place in 1982. Refer to the INFORMATION SHEET, Section 19.					
Name Code Name Code Honey sold	FAMILY or INDIVIDUAL operation — 921 (Exclude partnership and corporation)					
Goat milk sold	PARTNERSHIP operation —Include family partnerships 2 Go to section 21					
6. Fish and other aquaculture Water surface Total quantity sold Gross value of sales	INCORPORATED UNDER STATE LAW					
6. Fish and other aquaculture acres Total quantity sold closs value of sales Total quantity sold closs value of sales Total quantity sold closs value of sales Cents	OTHER, such as estate or trust, prison farm, grazing					
code from "List C" below.) Pounds 2	association, Indian reservation, etc					
Name Code OR S	Specify					
List C	SECTION 20 CORPORATE STRUCTURE (for incorporated operations only) Refer to the INFORMATION SHEET, Section 20.					
Name County Warre Code Name Code	Refer to the INFORMATION SHEET, Section 20.					
Cathish 872 Other fish Other fish Other aquaculture	1. Is this a family-held corporation?					
If more space is needed, use separate sheet of paper.	2. Are there more than 10 stockholders? 3 Yes 4 No					
SECTION 16 Did you or anyone else have any POULTRY such as CHICKENS, TURKEYS, DUCKS, etc., on this place in 1982? (Include poultry grown						
for others on a contract basis.)	SECTION 21 CHARACTERISTICS AND OCCUPATION OF OPERATOR (Senior partner or person in charge) Refer to the INFORMATION SHEET, Section 21.					
S16 YES - Complete this section INVENTORY Number on Total number	\$21					
2 NO — Go to section 17 this place Sold in 1982 None Dec. 31, 1982	1. RESIDENCE — Does the operator (senior partner or person in charge) live on this place?					
1. HENS and PULLETS of laying age	2. PRINCIPAL OCCUPATION — At which occupation					
2 Pullete for laving flock replacement	did the operator spend the majority (50 percent or					
a.PULLETS 3 months old or older not yet of laying age	more) of his/her work time in 1982? For partnerships 1 Farming 2 Other consider all members of the partnership together					
b. PULLET CHICKS and PULLETS under 3 months old	929					
(Exclude commercial broilers)	3. OFF FARM WORK — How many days did the operator (senior partner or person in charge) work at least					
3. BROILERS, fryers, and other meat type chickens 898 899	4 hours per day off this place in 1982? Include work					
including capons and roasters	at a nonfarm job, business, or on someone else's farm. (Exclude exchange farm work)					
4. TURKEYS a. Turkeys for slaughter (Exclude breeders)	4 ☐ 100−149 days					
b. Turkey HENS kept for breeding	5 ☐ 150—199 days 6 ☐ 200 days or more					
5. OTHER POULTRY raised in captivity — ducks, geese, pigeons or squab, pheasants, quail, etc.	4. In what year did the operator (or senior partner) begin to operate any part of this place?					
(Enter poultry name and code from the list below.)	925					
Poultry nameCode	5. AGE of operator (senior partner or person in charge) Years old					
Poultry nameCode	924					
Name Code Name Code Name Code	f ☐ White					
Ducks	2 Negro or Black					
Geese An orier pointy – Specify	6. RACE of operator (senior partner or person in charge)					
6. POULTRY HATCHED on this place in None Number	Islander					
1982 and placed or sold — chickens,	9 ☐ Other — Specify,					
turkeys, ducks, etc. —Specify kind of poultry						
7. Incubator egg capacity on December 31, 1982	7. SEX of operator (senior partner or person in charge) 1 Male 2 Female					
Gross value of sales	Permale 2 Permale					
8. What was the gross value of sales of None Dollars Cents 8. SPANISH ORIGIN - Is the operator (senior partner						
poultry and poultry products (eggs, etc.) 918						
	or person in charge) of Spanish origin or descent (Mexican, Puerto Rican, Cuban, or other Spanish)? 1 Yes 2 No					
from this place in 1982?	(Mexican, Puerto Rican, Cuban, or other Spanish)? 1 Yes 2 No					

SECTION 22 Was any COMMERCIAL FERTILIZER, incl LIME used on this place during 1982?	uding ROCK PI	HOSPHATE, or	busit	ENDITURES FO		and petro	leum p	roducts fo	r the farm
S22			s26 Include expenditures pa	id by you and ot	hers for				
1 YES — Complete this section None Acres fertilized			production of crops, live	estock, and			— т.		
2 NO — Go to section 23 1. Acres of cropland fertilized in 1982, other than crople		932	other agricultural produ place in 1982.	cts on this	Exp	enditures	- 1	storage cap	pacity on this place
used only for pastures reported in section 10, item 1	[] L		place in 1302.	None	Dol	lars	Cents	None	Capacity in gallons
2. Acres of pastureland and rangeland fertilized	+	933	1. Gasoline and gas	ohol for	966		1	967 96	
in 1982 reported in section 10, items 1b and 3	LJ L		the farm busines	s 🗌	\$	i			
3. Expenditures for commercial fertilizer purchased	one Doll	lars Cents	2. Diesel fuel for the		969	i		970 97	1
 all forms, including rock phosphate and gypsum 	988		business		972			973 97	
(exclude lime) Report cost of custom application in section 27, item 6.	¬ s	: !!	3. LP gas, butane, p		3/2	1		3/3	•
			for the farm busin (4.5 lbs.= 1 gall		\$	j		\cap	
The Line Cons of this used and across of	ns of lime	Acres limed	4. Fuel oil and keros		975			976 97	7
which applied (Do not include land plaster or gypsum or lime for sanitation)	9	935	the farm busines		\$	1			
			5. Natural gas for th	e farm	978	1			
SECTION 23 Were any INSECTICIDES, HERBICIDES, 6 OTHER PESTICIDES, or OTHER CHEMIC.			business		\$		8		
523			Motor oil and gre the farm busines		979	1			
1 YES - Complete this section					\$ 980		—{		
2 NO — Go to section 24			7. Electricity for the business		\$	į			
Include any materials provided by you, your landlords			8. Other coal, wo	-	981				
item listed, report acres only once. If multipurpo report acreage treated for each purpose.	se chemicals	were used,	coke, etc		\$!			
	_		SECTION 27 SELI	CTED PRODU		ENSES pa	id by y	ou and	
Sprays, dusts, granules, fumigants, etc., (fungicide, herbicide, insecticide, nematicide) to control —		Number of acres on which used	othe	rs for this place		•	•		
	93		S27 Include your best est	imates of expe	nses paid l	y you, yo	ur land	llord, cont	tractors,
a. Insects on crops, including hay		7	buyers, and others for	r production o	f crops, live	estock, an	nd othe	r agriculti	ural products
b. Nematodes in crops	└		in 1982, DO NOT ING others: operation of a						
c. Diseases in crops and orchards (blights, smuts,	931	8	not related to the far		iles, Dusino	3303, 0: 3	et vices	5, 01 13003	sticiu expenses
rusts, etc.)									Selected penditures
d. Weeds, grass, or brush in crops and pasture Include both pre-emergence and post emergence		•							·
2. Chemicals for defoliation or for growth control	940	0	1 . Livestock and po	ultry purchase	d - cattle,	calves,	None	982	flars Cents
of crops or thinning of fruit		-	hogs, pigs, sheep,	lambs, goats, I	norses, chic	ks, poults,		}	į ,
		,	started pullets, et	c			Ц	\$ 983	
3. Agricultural chemicals purchased—insecticides, N	one Doll	ars Cents	2. Total feed purch	ased for liveste	ock and po	ultry	_		! !
herbicides, fungicides, other pesticides, etc.	989		grain, hay, silage,				니	\$	
Report cost of custom applications in section 27, item 6	\$		a. Commercially n complete, supp						
SECTION 24 Was there any INTEREST EXPENSE for the Refer to the INFORMATION SHEET, Se		s in 1982?	(Exclude ingredient	5		Dollars	Cent	-	
			purchased separate such as soybean m		98		-	Ť	
TES — Complete this section			cottonseed N meal, and	one	i		i		
2 NO — Go to section 25	Dollars	Cents	urea)[] L	/10 \$			987	
1 · How much interest was paid on all debts for the	942		3. Seed cost — for o	orn other arein	e envhean	tobecco		307	
farm business in 1982?	\$		cotton, etcInc					\$	- !
SECTION 25 MACHINERY AND EQUIPMENT on this pl (Include only equipment used for agricultu								990	1
\$25	ur operations :	10010. (00)	4. Hired farm or ran	ch labor (See	Information	Sheet)		\$	
Value of ALL machinery and equipment on this pl	ace, Decemb	er 31, 1982	a. Of the hired wo	rkers, includina	None N	umber of v	workers	•	
1. What is the estimated market value of ALL machinery	Eatimat	ted market value	paid fámily wor			11		┪	
equipment, and implements usually kept on this place		ollars Cents	(1) Worked 15	60 days or mor				_	
and used for the farm or ranch business? Include cars, trucks, tractors, combines, plows, disks, harrows, dryers, pumps,	943	onara Coma			99	12			
motors, irrigation equipment, dairy equipment including milkers and		1	(2) Worked les	,				993	***************************************
bulk tanks, livestock feeders, grinding and mixing equipment, etc	\$	i	 Contract labor — as harvesting of fruit, v 	Include expenditu egetables, berries,	res primarily fi etc., parformi	or labor, suci ad on a con-	h		1
SELECTED machinery and equipment			tract basis by a contra	ctor, crew leader, a	cooperative,	etc		\$	
on this place, December 31, 1982.		of the total, HOW	6. Customwork, ma and equipment –					994	
(Report only if used in 1981 or 1982.) Total non this p	utilibei	NY were manufac- d in the last 5 years	and for customwork:	such as grinding a	na mixina fee	ed, plowing,	****	354	
None December	31, 1982	1978-1982)?	combining, corn pick fertilizing, etc. (Exclu	ing, arying, silo til de cost of cotton	ııng, sprayıng ginning)	, austing, 	🗆	\$	l t
944	945	(Number)	SECTION 28 ESTI	MATED CURR	ENT MARK	ET VALUE	OF LA	NO and B	UILDINGS
2. Automobiles			S28						
3. Motortrucks — Include pickups	947		Please give your bes	t ESTIMATE	of the CUF	RENT			
948	949		MARKET VALUE of					Estimator	market value
4. Wheel tractors other than garden tractors and motor tillers			reported in section	, items 1, 2,	and 3, pag	ę I.			and buildings
950	951					None	-	Dollars	1 Cents
5. Grain and bean combines,	1.31		4 All !				996		1
self-propelled only	953		1. All land owned	***************************************	••••••	∟	997		
6. Corn heads for combines			2. All land rented or	leased FROM	OTHERS	🗆	\$	_	i
7. Cotton pickers and strippers	957		3 All (am 3	lancad TO OT	JEDE		998		i
958	959		3. All land rented or				\$		
8. Mower conditioners	961			SON COMPLET	ING THIS	REPORT -			
9. Pickup balers — Include rectangle	331		Name				999	Date	
and round balers	963								
10. Field forage harvesters, shear	983		Telenhon —	Area code	e	Number			
bar or flywheel type			Telephone			<u></u>			
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INFORMATION SHEET 1982 UNITED STATES CENSUS OF AGRICULTURE

Special Reporting Instructions

1. Who Should Report

WE NEED A REPLY FROM EVERYONE RECEIVING A REPORT FORM WE NEED A REPLY FROM EVERYONE RELEIVING A REPORT FORM, INCLUDING individuals, landfords, tenants, partnerships, corporations, institutions, and THOSE NOT CONDUCTING AGRICULTURAL OPERATIONS. Each case included in the census has a unique census file number (CFN). In order to make the census results as complete and accurate as possible, we need to obtain information about every census file number

2. If You Received More Than One Report Form for an Operation

Complete only ONE report form for an operation. Write "Duplicate" near the address label of each extra report form. Also, write the 11-digit census file number(s) of the DUPLICATE report(s) ON THE COMPLETED REPORT in the space provided to the left of the address label. Return the extra report(s) in the same envelope with your completed report form so that we can correct our records.

3. If You No Longer Farm

If you had agricultural operations at any time during 1982, please report all agricultural activity during the year. Report all land on your census form that you owned or rented. Also, report your 1982 crop and livestock production

Explain on the first page of the report form (or on a separate sheet of paper) that you quit farming or ranching and give the approximate date and the name and address of the present operator, if known.

4. If You Never Farmed or Have No Association With Agriculture

Please write a note on the report form near the address label and return it so that we can correct our records. In our efforts to make the census as complete as possible, we obtained lists from various sources. We tried to eliminate duplicate and nonfarm addresses, however, it was not always possible to do so

5. If You Have More Than One Agricultural Operation

Complete a report form for EACH SEPARATE and DISTINCT production unit, that is, each individual farm, ranch, feedlot, greenhouse, etc., or combination of farms, etc., for which you maintain SEPARATE records of operating expenses and sales, livestock and other inventories, crop acreages, and production.

6. If You Have a Partnership Operation

Complete only ONE report for the entire partnership's agricultural operation and include all partners' shares on the one report.

and include all partners's shares on the one report. If members of the partnership also operate separate farms or ranches in addition to the partnership farming operation, separate report forms should be completed for each individual operation. If two or more report forms were received for the same operation, mark each additional form as a "Duplicate." Return the duplicate reports in the same envelope with the completed partnership report, if possible, or write a note on the duplicate report, such as, "Partner (provide name) has completed a report for the partnership (provide partnership name)."

7. Landlord's or Contractor's Share

If you rented or leased land from others or had a contract for the production of agricultural products, include both your share and the landlord's or contractor's share of the production, sales, and expenses so your census report form will be complete for "this place."

If you do not know the landlord's or contractor's share, include your BEST ESTIMATE.

How to Enter Your Response

If you do not have exact figures, give your best estimate.

Enter your replies in the proper spaces, on the correct line, and in the units requested, i.e., dollars, bushels, tons, etc. Write any explanation outside the answer spaces or on a separate sheet of paper.

All dollar figures may be entered in whole dollars. CENTS ARE NOT REQUIRED.

Enter whole numbers except where tenths are requested, such as acres of potatoes harvested. If you have 1/2, 1/3, or 1/4 of an acre, convert to tenths. For example, convert 1/2 to 5/10, 1/3 to 3/10, 1/4 to 2/10.

The census report form is being used throughout the entire United States. Because it is meant for use in all parts of the country, it may contain sections and questions which do not apply to you. When this occurs, mark the "None" or "No" box and go on to the next item or section.

Instructions For Specified Sections

► Section 1 - ACREAGE IN 1982

Your answers to this section will determine the land ("Acres In This Place") referred to in the rest of the report form.

When answering the acreage questions, include the land associated with your agricultural operations in 1982 whether in production or not. Included all land that you owned or rented during 1982 even if only for part of the year. Exclude any unrelated residential or commercial land.

IF YOU QUIT FARMING DURING 1982 — Complete the report form for the portion of the year that you did farm. Explain on the report form or another sheet when you stopped farming and the name and address of the person now using the land.

Report all land in section 1 in whole acres.

Item 1 — All Land Owned — Report all land owned in 1982 whether held under title, purchase contract or mortgage, homestead law, or as heir or trustee of an undivided estate. Include all land owned by you and/or your spouse, or by the partnership, corporation, or organization for which you are reporting.

Item 2 — All Land Rented or Leased FROM OTHERS — Report all land rented by you or your operation even though the landlord may have supplied materials or supervision.

INCLUDE in item 2:

- Land for agricultural use that you rented from others for cash
 Land you worked on a share basis (crop or livestock)
 Land owned by someone else that you used rent-free
 d. Federal, State, Indian Reservation, or railroad land rented or leased by the acre
- DO NOT INCLUDE in item 2:

Land used on a per-head or animal unit license or permit basis, such as section 3. Taylor Grazing Act, National Forest, or Indian Reservation permit land. If you had any of these permits, mark "yes" to item 7.

Item 3 — All Land Rented or Leased TO OTHERS — include all land rented out for any purpose if it was part of the acreage reported in items 1 and 2. A report form will be obtained from each of your tenants to cover the operations on that land.

INCLUDE in item 3:

- Owned land rented to others for cash or a share of crops or livestock
 Land you rented from someone and then subleased to someone else
 Land worked for you by someone for a share of crops or livestock
 Land which you allowed others to use rent-free

Item 4 — Acres In This Place — This figure will show the total of all land you operated at any time in 1982. To determine "Acres In This Place" ADD the land you owned and the land you rented or leased from others, then SUBTRACT the land you rented or leased to others: item 1 + item 2 item 3 = item 4. It is important to report item 4 correctly (even if "O" acres) since the remainder of your report should cover only operations on the "Acres In This Place."

If item 4 ("Acres In This Place") is "0" and:

- You raised any crops or had any livestock or poultry on this place in 1982, complete the report.
- b. All your land was operated by a renter or sharecropper, complete item 6 (name and address of renters), skip to and complete section 29, and explain briefly. "All land rented out," etc. Mail form in return envelope.

 ••• You did not have any agricultural activity on owned or rented land in 1982, complete section 29 and explain briefly, such as "retired," "sold farm," and date. Give name and address of current operator if known and return form.

Item 7 — Grazing Permits — In some states, government lands and India lands are used for grazing livestock under permit or special license, with payments on a per-head or animal unit basis. This land should NOT be included as part of item 2, "Land rented or leased from others," or item 4, "Acres In This Place," but you should report any of your livestock located on this permit land in 1982,

▶ Sections 2 through 8 - CROPS

Sections 2 through 8 provide space for reporting crops harvested during the 1982 crop year from the land shown in section 1, item 4 ("Acres In This Place") of your report. Please report your crops in the appropriate sections. Do NOT include any crops grown on land rented or leased TO others, or worked by others on shares during 1982.

Acres harvested — Enter the acres harvested in 1982. Round fractions to whole acres except where tenths are requested by " /10" in the reporting box, such as for potatoes.

Quantity harvested — The units of measure on the report form are those most commonly used in your state. If you use a different unit of measure, please convert your figure for quantity harvested to the unit requested. If the harvest was incomplete by December 31, 1982, please estimate the total quantity harvested or to be harvested.

Crop Irrigation — For each crop irrigated, report number of acres irrigated. Irrigation is defined as land watered by artificial or controlled means — sprinklers, furrows or ditches, spreader dikes, purposeful flooding, etc. Include acres that received supplemental, partial, and preplant irrigation. For any crop not irrigated, leave "Acres irrigated" blank.

How to Report Crops Harvested:

- ➤ Sections 2 and 3 In these two sections, separate lines are provided for reporting each of several crops most commonly grown in your state. Do not write in figures or information for any other crops in these two sections.
- ▶ Sections 4 through 8 Report the information requested for any crops prelisted in the sections. To report for crops not prelisted in these sections, (1) find the crop name and the code number from the list in the section; (2) enter crop name and code in the first two columns of the first available answer line in the section; (3) enter the information that is requested in the remaining columns. If a crop is not listed, use the "Other" code in the appropriate section and specify the crop name.

Example: You harvested 20 acres of alfalfa seed, yielding 6,000 pounds, and 30 acres of red clover seed, yielding 8,400 pounds. Neither crop was irrigated. You would enter the following in section 7:

		tOPS harvested : crops not previo	from this place in 198: usly reported?	2 — small grains
57 + X) YES	- Complet	e this section		
2 🗌 NO	- Go to sec	tion 8		
From the list below, ent specified with crop name	er crop name	and code. Report	quantity harvested in unit	
Crop name	Code	Acres hervested	Quantity harvested	Acres impated
Alfalfa seed	542	20	543 6,000 Lbs.	544
Red clover	671	30	8,400	,
			' '	2
				12

Two or More Crops Hervested From the Same Land (Double-Cropping) — Report the total acres and production of each harvested crop in the appropriate section(s) of the report form.

Example: In 1982 you harvested 1,230 bushels of wheat from 40 acres, then on the same 40 acres planted soybeans, from which you harvested 1,550 bushels. You irrigated the soybeans but not the wheat.

Correct entries	Acres harvested	Quantity harvested	Acres imgated
Wheat	40	1,230	-
Soybeans	40	1550	40

Interplanted Crops — If two crops were grown at the same time in alternating strips in the same field, report the portion of the field used for each crop.

Example: A 60 acre field was planted in cotton and soybeans, with two rows of cotton followed by an area of the same width planted in soybeans. No irrigation was used. Thirty acres of soybeans and 30 acres of cotton would be reported in their appropriate section(s).

Skip Row Planting — If a crop is planted in an alternating pattern of planted and non-planted rows, such as two rows planted and two rows skipped (2 X 2), report the portion of the field occupied by the crop in the appropriate section for that crop, and report the skipped portion as "Cropland idle" in section 10 (Land Use).

➤ Section 4 — Vegetables — Report acres of vegetables harvested FOR SALE or commercial processing. Do not report acres of vegetables for home use only. Report the total acreage of each vegetable crop harvested.

Example: In 1982 you harvested 10 acres of lettuce from a field, then replanted the field in lettuce and harvested the 10 acres again. Both crops of lettuce were irrigated. Enter only 10 acres of land from which vegetables were harvested and 10 acres irrigated in item 1 of section 4, but write in 20 acres of lettuce harvested and 20 acres of lettuce irrigated in item 2 of section 4.

➤ Section 8 — Fruits and Nuts — in counting the combined total of 20 or more trees and vines, include those for home use as well as those maintained for sale of the production. Acres in trees or unes that have been abandoned should not be included; these acres should be included in section 10, item f "Cropland idle If crops other than fruit and nut trees and vines were interplanted with trees or vines, report the total acres for BOTH the orchard and the interplanted crops harvested

▶ Section 9 - GROSS VALUE OF CROPS SOLD

Report the value of all crops sold from "this place" in 1982, regardless of the year they were harvested or who owned the land. Be sure to give gross values (before deducting expenses and taxes). Include payments received in 1982 from cooperatives or marketing organizations for crops produced on this place regardless of the year in which the crops were harvested. Include the landlord's or contractor's share of crops removed from this place in 1982 in the value of crops sold. If the sale price or market value is not known, give your best estimate of the crops' market value when removed from "this place." Include in the value of crops sold from "this place" any cost of harvesting, tilling, fertilizer, chemicals, etc., furnished under a contract arrangement. Also include as sales your estimate of the value of any crops removed from this place in trade for services, such as hay cut in exchange for fence repair. clearing, or other services

DO NOT INCLUDE:

a. Amount of government CCC loans received in 1982 in this section.
Report government CCC loans in section 17.
b. Crops or crop products purchased from others and later resold.

▶ Section 10 -- LAND USE

The purpose of this section is to classify the "Acres in This Place" you reported in section 1, item 4, by principal use in 1982. Do NOT include any acres you rented TO others (reported in section 1, item 3).

Land Used for More Than One Purpose — If part of your land was used for more than one purpose in 1982, report that land on the line for the use first listed, and NOT on the line for the second use. For example, if you plowed under a cover crop, and planted and harvested a grain crop, report the land in tem 1a, "Cropland harvested," but NOT as "Cropland used for cover crop, legumes, . . . etc." (Item 1c).

Double Cropping — When more than one crop was harvested from th same land in 1982, report that land only ONCE as "Cropland harvested item 1a of this section.

Interplanted Crops — If you interplanted crops, such as cotton in an orchard, report the total land used for both crops only ONCE, as "Cropland harvested,"

Skip Row Planted Crops — Report the acres that represent the total non-planted or skipped rows as "Cropland idle," Item 11. The acres that represent the planted rows should be reported as "Cropland harvested," Item 1a.

► Sections 12 through 16 — LIVESTOCK, POULTRY, AND ANIMAL SPECIALTIES

Animals and Poultry to Include in the Report — Report all animals, poultry, and animal specialties on "this place" (section 1, item 4) on December 31, 1982, include all owned by you and any kept by you for others. Include animals on unfenced lans. National Forest land, district land, cooperative grazing association land, or rangeland administered by the Bureau of Land Management on a per-head or lease basis. Animals in Irransit on December 31, 1982, or animals on short-term pasture (such as wheat pasture or crop residue) on a per-head or lease basis should be reported by the person who had control of the animals.

Animals and Poultry to Exclude from the Report — Do not report any animals or poultry kept on land rented to others or kept under a share arrangement on land rented to others. Do not include animals quartered in feedlots which are not a part of "this place." Animals kept on a place not operated by you are to be included on the report for that place.

Animals Bought and Sold — DO NOT REPORT ANY ANIMALS BOUGHT AND THEN RESOLD WITHIN 30 DAYS. Such purchases and sales are considered "dealer" transactions, and are not included in this census.

Number Sold — Report all animals and poultry sold or removed from this place if the animals were located on the place 30 days or more and were sold or removed from this place in 1982, without regard to ownership or who shared in the receipts, include animals sold for a landlord or given to a landlord or others in trade or in payment for goods or services. Do NoT report number sold for any livestock or poultry kept on another place.

Animals Moved to Another Place — For animals moved from this place to another place, such as for further feeding, report animals as "sold" and give your best estimate of their market value when they left "this place."

Fat Cattle Sold — Cattle fattened on grain or concentrates for 30 days or more and sold for slaughter are reported in section 12.

DO NOT INCLUDE WITH FATTENED CATTLE SOLD

- a. Cattle and calves sold for further feeding
- b. Dairy cows fed only the usual dairy ration before being sold
 c. Veal calves, or any calves weighing less than 500 pounds

Value of Sales — Report the total gross value of animals and poultry sold or removed from this place in 1982 without deducting production or marketing expenses (cost of feed, cost of fivestock purchase, cost of hauling and selling etc.). If the sale price or market value is not known, give your best estimate of their market value when they left "this place." Do NOT report the value of sales of any livestock and poultry owned by you but kept and sold from a place you did not operate.

a place you did not operate.

Contract and Custom Feeding Operations — Livestock or poultry kept by you on "this place" on a contract or custom basis should be included on this report REGARDLESS OF OWNERSHIP. Report as "INVENTORY" numbers of animals or poultry on the place on December 31, 1982. Report as "SOLD" animals and poultry which were kept on a contract or custom basis and were removed or sold from the place in 1982. If the sale price or market value is not known, give your best estimate of the market value of the animals or poultry when they left this place.

► Section 15 — HORSES, PONIES, BEES, FISH, GOATS, ANIMAL SPECIALTIES, OTHER LIVESTOCK

Items 1 through 4 — Report the inventory number of animals, bee colonic or animal specialties on the place on December 31, 1982. Indicate number sold and the gross value of sales for the number sold in 1982. In item 4, specify the name and code from List A of any livestock or animal specialties on "this place" which are not covered in items 1 through 3, or 6 (fish and aquaculture products), or sections 12 through 14, or 16.

If "inventory" or "Sold" is in units other than "Number" (such as pounds, packages, etc.), indicate the unit.

If you own colonies or hives of BEES — report all bee and honey operations conducted by you regardless of where the hives were kept most of the year (Report hives in item 2 and honey, beeswax, or pollen in item 5).

MINK PELTS, RABBIT PELTS, and CHINCHILLA PELTS should be included in number sold and value of sales, but NOT in inventory. WORMS raised for sal should be reported in beds (24 cubic feet per bed) in item 4. "Inventory" and in pounds in item 4, "Number sold."

Item 5 — Sales of Animal Specialty Products — If any semen, manure, honey, beeswax, or other animal products were sold from this place in 1982, specify the products, the code from list B, the quantity sold, and the gross value of sales in 1982. If sold in units other than pounds or gallons, please indicates in 1982. If sold in units other than pounds or gallons, please

Item 6 — Fish and Aquaculture Products — Report water surface acres (estimate, if necessary) used for raising fish or other aquaculture products

➤ Section 16 - POULTRY

Roosters and turkey toms used or to be used for BREEDING should be specified and reported in item 5, code 914 (All other poultry).

Item 8 — Gross Value of Sales — Include an estimated value of poultry and poultry products moved from this place by contractors and others.

► Section 17 — AMOUNT RECEIVED FROM GOVERNMENT CCC LOANS AND AGRICULTURAL SERVICES

Item 1 — Report the amount received under the regular or reserve program for commodities placed under CCC loan during 1982. Include amount received even if commodity was redeemed or forfeited prior to December 31, 1982. Do not include CCC loans received to build crop storage facilities, or amount received for storage payments in the reserve program.

► Section 19 - TYPE OF ORGANIZATION

Use the following definitions to help you determine the type of organization

Individual or Family Operation — Defined as a farm or business organization controlled and operated by an individual. Includes family operations that are not incorporated and not operated under a partnership agreement.

Partnership Operation — Defined as two or more persons who have agreed on the amount of their contribution (capital and effort) and the distribution of profits. Co-ownership of land by husband and wife or joint filing of income tax forms by husband and wile DOES NOT constitute a partnership, unless a specific agreement to share contributions, decisionmaking, profits, and liabilities exists. Production under contract or under a share rental agreement DOES NOT constitute a partnership.

Incorporated Under State Law — A corporation is defined as a legal entity or artificial person created under the laws of a state to carry on a business. This definition does not include cooperatives. Also complete section 20.

Other — Such as cooperative (defined as an incorporated or unincorporated enterprise or association created and formed jointly by the members), estate or trust (defined as a fund of money or property administered for the benefit of another individual or organization), prison farm, grazing association, indiar Reservation, institution run by a governmental or religious entity, etc.

▶ Section 20 - CORPORATE STRUCTURE

This section is to be answered by corporations only. Answer both items, A family-held corporation has more than 50 percent of its stock owned by persons related by blood or marriage

▶ Section 21 - OPERATOR CHARACTERISTICS AND OCCUPATION This section applies to the characteristics and occupation of the individual owner, operator, senior partner, or person in charge for the type of organization reported in section 19 of the form.

For Individual or Family Operation - Complete this section for the operator

For Individual or Family Operation — Complete this section for the operator. For Partnarship Operations — Answer all items except 2 for the "Senior Partner." The "Senior Partner" is the individual who is mainly responsible for the agricultural operations on this place, not necessarily the person senior in age. If each partner shares equally in the day-to-day management decisions, consider the oldest as the "Senior Partner." For item 2 (Principal Occupation) consider all members of the partnership together. Please include as "farming" worktime at all types of agricultural enterprises, including work at greenhouses, nurseries, mushroom production, ranching, feedlots, broiler feeding, etc.

For Corporations and Other Operations (Cooperatives, Estates, etc.) — Complete section 21 for the person in charge, such as a hired manager, business manager, or other person primarily responsible for the on-site, day-to-day operation of the farm or ranch business.

Item 4 — Year Began Operation — Report the first year the operator or senior partner began to operate any part of this place on a continuous basis. If the operator returned to a place previously operated, report the year operations were resumed.

► Section 22 — COMMERCIAL FERTILIZER AND LIME

Report acres on which commercial fertilizer (items 1 and 2) or lime (item 4) was applied during 1982. If any acreage was fertilized or limed more than once, report acres ONLY ONCE in each item. Report expense for commercial fertilizer purchased, excluding lime, in item 3.

► Section 24 - INTEREST EXPENSE

Report all interest expenses paid in 1982 for the farm business.

INCLUDE interest or finance charges on:

- Mortgage loans for land and buildings in "this place"
 Machinery, tractors, trucks, and other equipment
 Fertilizer, feed, seed, etc.
 Livestock, poultry, breeding stock

- Funds borrowed to replenish or provide working capital
 Interest paid on CCC loans

DO NOT INCLUDE:

- a. Interest on debts associated with activities not related to the production of crops or livestock on "this place," such as land or buildings rented to others, packing sheds, or feed mills providing services to others
- b. Interest on owner/operator dwelling where amount is separated from interest on other land and buildings in this place.

► Section 25 - MACHINERY AND EQUIPMENT

The estimated market value in item 1 refers to ALL machinery and equipment kept primarily on this place and used for the farm business. The value should be an estimate of what the machinery and equipment would sell for in its present condition, not the replacement or depreciated value.

▶ Section 27 — SELECTED PRODUCTION EXPENSES

Section 27 — SELECTED PRODUCTION EXPENSES Include expenses paid by you and by anyone else for the production of crops, poultry, livestock, and other agricultural products on this place. Also include expenses incurred even if payment was not made in 1982. Please give estimates if you do not know the exact figures. For livestock or poultry grown under contract or fed on a custom basis on "this place," report their value lestimate, if necessary in them 1 (Livestock and poultry purchased), at the time they came on this place. Also, include in item 2, the value and amount of feed purchased by you or someone else for use on this place. Do not include expenses related to nonfarm activities (trading and speculation, livestock, or dealer activities). dealer activities).

Hirad Labor — Include in expenses for hirad labor gross wages or salaries, commissions, paid bonuses, and leave pay before deductions. Social Security taxes, health, life, or employment insurance and any other benefit paid by you should be included. Be sure any salary paid to a hired manager part of your total figure.

Contract Labor — Applies to expenditures primarily for labor in harvesting of crops, shearing sheep, etc. Exclude money paid to contractors for capital improvements such as putting up fences, repair or maintenance of buildings or machinery, land clearing, etc. Include the expense of items considered primarily machine work in customwork, item 6.