# APPENDIX A. General Explanation

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#### **DATA COLLECTION**

#### **Method of Enumeration**

All agriculture censuses beginning with the 1969 census primarily have used mailout/mailback data collection. Direct enumeration methods, however, continue to be used for the agriculture census in Puerto Rico, Guam, the U.S. Virgin Islands, American Samoa, and the Commonwealth of the Northern Mariana Islands.

#### **Mail List**

The mail list for the 1987 census was comprised of individuals, businesses, and organizations that could be readily identified as being associated with agriculture. The list was assembled from the records of the 1982 census. administrative records of the Internal Revenue Service (IRS), and the statistical records of the U.S. Department of Agriculture (USDA). In addition, lists of large or specialized operations, such as nurseries and greenhouses, specialty crop farms, poultry farms, fish farms, livestock farms, and cattle feedlot operations, were obtained from State and Federal agencies, trade associations, and similar organizations. Lists of companies having one or more establishments (or locations) producing agricultural products were obtained from the 1982 census and updated using the information from the Standard Statistical Establishment List maintained by the Census Bureau. Exhaustive record linkage, unduplication, and mathematical modeling vielded a final mail list of 4.1 million names and addresses that had a substantial probability of being a farm operation.

#### **Report Forms**

In 1987, three different report forms were used—a two-page, a four-page, and a six-page form to minimize the reporting burden, particularly for small farms and places less likely to be farms. The six-page sample form and the four-page nonsample form are the same, except sections 23 through 28 have been added to the sample form to obtain supplemental information from a sample of farms.

The information collected in these sections will give the Bureau of the Census a good basis for making estimates of these data for other farms included in the census. The two-page form does not have as many questions or as much detail as the four-page and six-page forms. The four-page form has 11 regional versions and the six-page form has 13 regional versions. Both forms have different crops prelisted. Appendix D contains copies of both the two-page and six-page forms.

The six-page form was mailed to 1,104,000 addressees on the mail list, including all those expected to be large (based on expected sales or acreage) or unique (farms operated by multiestablishment companies or nonprofit organizations), all those in Alaska and Hawaii, and a sample of other addressees. The two-page form was mailed to 906,000 addressees. These were expected to be small farms or less likely to be farms. The four-page form was mailed to the remaining 2,079,000 addressees. Further discussion of the criteria used to determine which form was mailed to an addressee is provided in the Census Sample Design section of appendix C.

#### **Initial Mailing**

The report forms were mailed in mid-December 1987 to the approximately 4,089,000 individuals, businesses, and organizations on the mail list. The mail packages included a report form, a cover letter with a description of the purposes and uses of the census on the reverse side, an information sheet containing instructions for completing the form, and a postage-paid return envelope. Additional special instructions were included with report forms sent to grazing associations; feedlot operations; institutional organizations; Indian reservations; firms with multiple farm or ranch operations; and producers of poultry under contract, bees and honey, fish, laboratory animals, and nursery and greenhouse crops.

To provide additional help to farmers in completing their reports, copies of an Agriculture Census Guide booklet were sent to vocational agriculture instructors, USDA county offices of the Agriculture Stabilization and Conservation Service, and the Cooperative Extension Service. The Guide contained descriptions and definitions of 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.

#### Followup Procedures

A thank you/reminder card was mailed to those on the mail list in mid-January 1988. Five followup letters, three of which were accompanied by a report form, were sent to nonrespondents at 4-week intervals starting in mid-February and continuing until early June 1988.

Telephone calls were made to all large farms who had not responded. In addition, telephone calls were made to a sample of other nonrespondents in counties that had a response rate of less than 75 percent. 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 Census Estimation section of appendix C.

#### **DATA PROCESSING**

Selected report forms were reviewed prior to keying the data. These included reports with attached correspondence and reports with remarks or no positive data on the front page.

The data from 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. Substantial computer-generated changes to the data were clerically 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 substantial changes between 1982 and 1987. 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. Prior to publication, tabulated totals were reviewed by statisticians to identify inconsistencies and potential coverage problems. Comparisons were made with previous census data, estimates published by the USDA, and other available data.

#### **MAJOR DATA CHANGES**

Prior to each agriculture census, the Census Bureau reviews the content of the census forms to eliminate questions no longer needed and to identify new items necessary to meet user needs and to better describe the agricultural situation in our Nation. Data requests are solicited from farmers, farm organizations, land grant colleges and universities, State and federal agencies, and members of the Census Advisory Committee on Agricultural Statistics. Each agency and organization is asked to identify and justify its specific data needs. The following data inquiries were added to the 1987 report form:

Income from farm-related sources

Acres under the Conservation Reserve Program

Payments received for participation in federal farm

Grazing permits by source

Additional data on production expenses were added in

Repair and maintenance expenses Cash rent Property taxes paid

All other production expenses

The following separate data inquiries were eliminated from the 1987 form:

Storage capacity for petroleum products

Number of hired farm and ranch workers

Value of agricultural products sold directly to individuals for human consumption

Source of irrigation water

Tons of commercially mixed feed

Expenditures for coal, wood, and coke

Selected machinery items: automobiles, corn heads for combines, and field forage harvesters

Chinchillas

Worms

Tropical and baitfish

#### FOLLOW-ON SURVEYS, SPECIAL CENSUSES, AND RELATED PUBLICATIONS

In addition to the 1987 Census of Agriculture for the 50 States, Puerto Rico, Guam, the U.S. Virgin Islands, American Samoa, and the Commonwealth of the Northern Mariana Islands, the census of agriculture program includes the 1988 Farm and Ranch Irrigation Survey, the 1988 Agricultural Economics and Land Ownership Survey, and the 1988 Census of Horticultural Specialties.

The 1988 Farm and Ranch Irrigation Survey provides data on water use by irrigated farms and ranches. Data include: the amount of water applied by crop, method of water distribution, source of water, and energy costs for pumping water. Data from this survey will be published as volume 3, part 1.

The 1988 Agricultural Economics and Land Ownership Survey provides detailed data on debts, expenses, taxes, credits, assets, land ownership, and farm and off-farm income for farm operators. Many of these items, as well as detailed data on landlord characteristics, are being collected from the landlords of the farms involved in the survey. Data from this survey will be published as volume 3. part 2.

The 1988 Census of Horticultural Specialties covers operations growing and selling \$2,000 or more of horticultural products such as greenhouse products, outdoorgrown floricultural products, nursery products, mushrooms, and sod. These data will be published as volume 4.

Additional publications of the 1987 Census of Agriculture data include the Agricultural Atlas of the United States (previously called the Graphic Summary), Coverage Evaluation, Ranking of States and Counties, and Government Payments and Market Value of Agricultural Products Sold. The Agricultural Atlas of the United States presents the Nation's agriculture graphically illustrated by dot and multicolor pattern maps. The maps provide displays on size and type of farm, land use, farm tenure, market value of products sold, crops harvested, livestock inventories, and other characteristics of farms. This report will be published as volume 2, part 1.

The Coverage Evaluation report provides estimates of the completeness of the 1987 Census of Agriculture for the United States, geographic regions, and selected States and groups of States. Estimates with their associated sample reliability are provided for farms not on the mail list, farms classified as nonfarms, duplicate farms, and nonfarms classified as farms. This report will be published as volume 2, part 2.

The Ranking of States and Counties report ranks the leading States and counties for selected items in the 1987 census and provides comparative data from the 1982 census. This report will be published as volume 2, part 3.

A new publication on Government Payments and Market Value of Agricultural Products Sold presents 1987 data for the United States and each State. The U.S. table has a format similar to volume 1, U.S. table 52 and presents summary data by size of farm. This report will be published as volume 2, part 5.

#### **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 1987 census report forms and the information sheet which accompanied these forms, see appendix D. 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 operations. Large acreages of woodland or wasteland held for nonagricultural purposes were deleted from individual reports during the processing operations. Land in farms includes acres set aside under annual commodity acreage programs as well as acres in the Conservation Reserve Program for places meeting the farm definition.

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. Land under the exclusive use of a grazing association was to be reported by the grazing association and included as land in farms. 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 represents the total land area as determined by records and calculations as of January 1, 1988. These data are updated periodically; however, the acreages shown for 1987 are essentially the same as for 1982. Any differences between the land area for 1987 and 1982 are due to 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 1982 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 substantially 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 value 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. Included also was all cropland used for rotation pasture and land in government diversion programs that were pastured. However, cropland that was pastured before or after crops were harvested was to be included as harvested cropland rather than cropland for pasture or grazing.

Other cropland—This category includes cropland not harvested and not grazed which was used for cover crops, 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, land planted for Christmas tree production, and woodland pastured. 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.

Cropland in annual commodity acreage adjustment programs—This category includes land diverted or set aside under the provisions of the Federal Commodity Acreage 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. Information was not obtained as to which crops would have been grown on the acres set aside.

Cropland in the Conservation Reserve Program (CRP)—This category includes acres of "highly erodible" cropland taken out of agricultural production and planted to protective cover crops or reforested. The CRP was established through the 1985 Food Security Act and provides for annual rental payments and shared costs of conservation practices through a 10-year contract with the USDA. Appendix B presents data on places with all their cropland enrolled in the Conservation Reserve Program and which were not counted as farms in the 1987 census.

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, and marketing. The operator may be the owner, a member of the owner's household, a hired 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 the operator. If it is not clear which partner is 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 operation.

Operator characteristics—All operators were asked to report place of residence, principal occupation, days of off-farm work, year in which his/her operation of the farm began, age, race, sex, and Spanish origin. If race, age, sex, and principal occupation were not reported, they were imputed based on information reported by farms with similar acreage, tenure, and value of sales. No imputations were made for nonresponse to place of residence, Spanish origin, off-farm work, or year began operation. Operators of Spanish origin were tabulated by reported race.

Farm production expenses—in 1987, additional specific expense items and a category for all other farm production expenses were added to the selected farm production expenses collected in 1982. Consequently, we are publishing total farm production expenses in 1987. The expenses are limited to those incurred in the operation of the farm business. Expenses include the share of the expenditures provided by landlords, contractors, and partners in the operation of the farm business. Property taxes paid by landlords are excluded. Expenditures for nonfarm activities; farm-related activities such as providing customwork for others, the production and harvest of forest products, and recreational services; and household expenses are excluded. In 1987, as in other recent censuses, operators producing crops, livestock, or poultry under contract often were unable or unwilling to estimate the cost of production inputs furnished by the contractors. As a consequence, extensive estimation was required for contract producers.

Commercial fertilizer—The expense for commercial fertilizer is the amount spent on fertilizer during 1987

including the cost of custom application. The cost of custom application was excluded from the 1982 and 1978 data.

Agricultural chemicals—These expenses include the cost of all insecticides, herbicides, fungicides, and other pesticides, including the cost of custom application. Data exclude commercial fertilizer purchased. The cost of custom application was excluded from the 1982 and 1978 data. The cost of lime was excluded from the 1987 and 1982 data, but included in 1978.

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 custom application of fertilizer and chemicals was included in the 1982 and 1978 customwork data, but is included in expenditures for these items in 1987. The cost of hired labor for operating rented or hired machinery is included as a hired farm and ranch labor expense.

Interest—In 1987, separate data were collected for interest paid on debts secured by real estate and interest paid on debts not secured by real estate. In 1982, only total interest expenses were collected.

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 1987 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 receipts from placing commodities in the Commodity Credit Corporation (CCC) loan program in 1987. It does not include payments received for participation in federal farm programs nor does it include income from farm-related sources such as customwork and other agricultural services, or income from nonfarm sources.

The value of crops sold in 1987 does not necessarily represent the sales from crops harvested in 1987. Data may include sales from crops produced in earlier years and exclude some crops produced in 1987, 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 the total value received in 1987.

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

Caution should be used when comparing sales in 1987 with sales reported in earlier censuses. Sales figures are expressed in current dollars and have not been adjusted for inflation or deflation.

Government payments—This category is limited to direct cash or generic commodity certificate (PIK) payments received by the farm operator in 1987. It includes deficiency and diversion payments; wool payments; payments from the Dairy Termination Program, the Conservation Reserve Program, other conservation programs, and all other federal farm programs under which payments were made directly to farm operators.

Other farm-related income—The 1987 report form included a new inquiry on income from farm-related sources. These data consist of gross income in 1987 before taxes and expenses from the sales of farm by-products and other sales and services closely related to the principal functions of the farm business. These data are for income producing activities that are primarily a by-product or supplemental to the farm operation. They exclude income from business activities that are separate from the farm business.

Customwork and other agricultural services—This income includes gross receipts received by farm operators for providing services for others such as planting, plowing, spraying, and harvesting. Income from customwork and other agricultural services is generally included in the agriculture census if it is closely related to the farming operation. However, it is excluded if it constitutes a separate business or is conducted from another location.

Rental of farmland—This income includes gross cash rent or share payments received from renting out farmland; payments received from the lease or sale of allotments for crops such as tobacco; and payments received for livestock pastured on a per-head, permonth, or per-pound basis. It excludes rental income from nonfarm property.

Sales of forest products—This income includes gross receipts from the sales of Christmas trees, standing timber, maple products, gum for naval stores, firewood, and other forest products from the farm business. It excludes income from nonfarm timber tracts and sawmill businesses.

Other farm-related income sources—This income includes gross receipts from hunting leases, fishing fees, camping, other recreational services, patronage dividends of cooperatives, sales of farm by-products, and other sales and services closely related to the farm business. It excludes income from nonfarm businesses.

Commodity Credit Corporations loans—This category includes loans for corn, wheat, soybeans, sorghum, barley, oats, cotton, peanuts, rye, rice, tobacco, and honey.

Agricultural chemicals used, including fertilizer and lime—For each type of agricultural chemical, the acres treated were to be reported only once even if the acres were fertilized or limed more than 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.

**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.

Citrus enumeration—In the 1987 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 also was 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 1987 census, 7 caretakers in Arizona reported 175 grove owners having 12,000 acres of citrus; the 65 caretakers in Florida reported 3,000 grove owners having 170,000 acres of citrus; and 20 caretakers in Texas reported 800 grove owners having 14,500 acres of citrus.

Crop year or season covered—Acres and quantity harvested are for the calendar year 1987 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 1986 through July 1987 harvest season, except limes that were harvested in the April 1987 through March 1988 harvest season. The data for Texas relate to the quantity harvested in the September 1986 through May 1987 harvest season. The data for States, other than Florida and Texas, relate to the quantity harvested in the 1986-87 harvest season.

**Avocados**—The data for California relate to the quantity harvested in the November 1986 through November 1987 harvest season and for Florida the April 1987 through March 1988 harvest season.

Olives—The data for California relate to the quantity harvested in the September 1986 through March 1987 harvest season.

**Vegetables—**The data for Florida relate to the crop harvested in the September 1986 through August 1987 harvest season.

Sugarcane for sugar—The data for Florida relate to the cuttings from November 1986 through April 1987, and for Texas the cuttings from October 1986 through April 1987.

Pineapples—The data for Hawaii relate to the quantity harvested in the year ending May 31, 1987.

Coffee—The data for Hawaii relate to the 1986-87 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 crops; 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. An 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 chop 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 reported as cropland pasture.

Quantity harvested was not obtained for crops such as vegetables; nursery and greenhouse crops; 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 is 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.

#### "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 1987, 1982, and 1978, selected data were collected from only a sample of farms. These data are subject to sampling error. For 1987, the six-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 23 through 28 of the 1987 census forms included inquiries on production expenses, commercial fertilizer and lime, chemicals, machinery and equipment, value of land and buildings, and income from farm-related sources. Estimates of the reliability of county totals for selected items are shown in table F of appendix C.

**Operators of Spanish origin—**No imputation was made for those not responding to the question on Spanish origin.

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.

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 crops and hay. Respondents were asked to include landlords' and contractors' shares. The value of commodities placed in CCC loans are included as sold. In 1987, all farms including abnormal farms were tabulated by size based on reported sales. In 1982 and 1978, abnormal farms were included in the total sales figure, but excluded from the detailed size breakdowns. Abnormal farms include institutional farms, experimental and research farms, and Indian reservations.

Farms with sales of less than \$1,000—This category includes all farms with actual sales of less than \$1,000, but having the production potential for sales of \$1,000 or more. These farms normally could be expected to sell \$1,000 or more of agricultural products.

Net cash return from agricultural sales for the farm unit—This category is derived by subtracting total operating expenditures from the gross market value of agricultural products sold. Depreciation and the change in inventory values are excluded from expenditures. Production expenditures may be understated on part owner and tenant farms because property taxes paid by landlords are excluded. Other landlord expenditures, such as insurance or rent paid, which are not readily known to renters may also be omitted or understated. Gross sales include sales by the operator as well as the share of sales received by

partners, landlords, and contractors. Consequently, the net cash return is that of the farm unit rather than the net farm income of the operator.

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 National Agricultural Statistics 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 on the place during the year and placed or sold. Incubator egg capacity on December 31, 1987, is tabulated under the column heading "Inventory" and the number of poultry hatched and placed or sold is under the heading "Sales."

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.

**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 of fresh weight. The conversion used was 4 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 of fresh weight. The conversion used was 3 pounds fresh weight to 1 pound dry weight.

Cherries—For 1987, cherries were reported as "sweet cherries," "tart cherries," or "cherries" depending on the regional form the respondent completed. On regional

forms for States where cherries are an important fruit crop, "sweet cherries" and "tart cherries" were listed separately. On the other regional forms, either "cherries" were listed or could be written in. For publication purposes, "cherries, total" could be shown along with the individual breakdown of "sweet cherries," "tart cherries," or "cherries, not specified." "Cherries, not specified" is used to account for cherries where the "sweet" and "tart" breakdown was not asked or where respondents wrote in "cherries" but did not specify or code the kind of cherry. All the individual cherry items may not be shown. Data for "sweet cherries," "tart cherries," and "cherries, not specified" are not available for 1982.

Other fruits and nuts—Data shown for other fruits and nuts relate to any fruits and nuts not having a specific code on the 1987 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 crops grown for sale—These data are a summation of the individual items reported. All of the individual items may not be shown.

Nursery, floriculture, vegetable and flower seed crops, sod, etc., grown in the open, irrigated—Data refer to farms reporting irrigated nursery, floriculture, vegetable and flower seeds, sod, bedding plants, etc., grown in the open.

Other grains—These data are for the total market value of other grains sold including dry edible beans, dry lima beans, buckwheat, dry southern peas (cowpeas), 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 1987 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 usually from publications of the National Agricultural Statistics 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 48 through 53 present detailed 1987 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 1987, all farms were tabulated by size based on reported sales. In 1982 and earlier censuses, abnormal farms were not tabulated based on sales size. In the tables on market value of agricultural products sold, the sales of abnormal farms in 1982 and earlier censuses were included in the total sales figure, but excluded from the detailed size categories. Abnormal farms included institutional farms, experimental and research farms, and Indian reservations. The category "farms with sales of less than \$1,000" included all farms with actual sales of less than \$1,000 but having the production potential for sales of \$1,000 or more. These farms normally could be expected to sell \$1,000 or more of agricultural products.

The sales size categories used in this report are consistent with the standard business size categories issued by Office of Management and Budget (OMB) in 1982. In State table 52, data are presented for four sales size categories between \$10,000 and \$49,999. This provides users with bridge data under both the OMB and the 1978 census classifications. For the 1992 census, data will be presented only for the OMB sales size categories of \$10,000 to \$24,999 and \$25,000 to \$49,999.

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, and government agencies. In 1987 and 1982, nongovernmental units such as church farms and Future Farmers of America camps 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.

Farms by tenure of operator—The classifications of tenure used in the 1987 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 1987 census. The classifications used were:

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

Partnership, including family partnership.

Corporation, including family corporation.

Other, cooperative, estate or trust, institutional, etc.

Corporations were subclassified by two additional characteristics into:

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

Farms by age and principal occupation of operator—Data on age and principal occupation were requested from all operators in 1987. The principal occupation classifications used were:

**Farming**—The operator spent 50 percent or more of his/her worktime in 1987 in farming or ranching.

Other—The operator spent more than 50 percent of his/her worktime in 1987 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 1987, all agricultural production establishments (farms, ranches, nurseries, greenhouses, etc.) were classified by type of activity using the standard industrial classification (SIC) system. These classifications, found in the 1987 SIC Manual<sup>1</sup>, are used to promote uniformity and comparability in the presentation of statistical data collected by various agencies.

<sup>&</sup>lt;sup>1</sup>Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, Stock No. 041-001-003-14-2.

An establishment primarily engaged in crop production (major group 01) or production of livestock and animal specialties (major group 02) is classified in the four-digit industry and three-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 four-digit industry, but 50 percent or more from the products of two or more four-digit industries within the same three-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. Establishments that derive 50 percent or more of the value of sales from horticultural specialties of industry group 018 are classified in industry 0181 or 0182 according to their primary activity.

Characteristics of all farms by selected SIC groupings are shown in State tables 18 and 53. The SIC groupings shown in State table 53, together with the associated products (value of sales representing 50 percent or 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, buckwheat, cowpeas, dry field and seed beans and peas, flaxseed, lentils, milo, mustard seed, oats, popcorn, rye, safflower, sorghum, sunflowers, and other small grains.

Cotton (0131)—Cotton and cottonseed.

Tobacco (0132)—Tobacco.

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

**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, bananas, coffee, dates, figs, olives, pineapples, and tropical fruit.

Horticultural specialties (018)—Bedding plants, bulbs, florists' greens, flower and vegetable seeds, flowers, foliage, fruit stocks, nursery stock, ornamental plants, shrubberies, 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 three-digit industry group.

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

**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, ducks, geese, pheasants, pigeons, quail, and squab.

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

General farms, primarily livestock and animal specialties (029)— Livestock and animal specialties and their products, but less than 50 percent of sales from any single three-digit industry group.

The SIC manual was revised for 1987. Animal aquaculture (0273) was established as a new industry and horticultural specialties, not elsewhere classified (0189) was deleted.

# APPENDIX B. Places With All Cropland in the Conservation Reserve **Program**

The Food Security Act of 1985 established the Conservation Reserve Program (CRP). This program provides annual payments for highly erodible cropland enrolled in the program and meeting its conservation requirements. It also requires that the land be taken out of agricultural production for 10 years.

The 1987 Census of Agriculture includes Conservation Reserve acreage as land in farms on operations that meet the census farm definition. For census purposes, a farm is any place from which agricultural products of \$1,000 or more were produced and sold or normally would have been sold during the census year. Operations which placed all of their cropland in the CRP and did not otherwise meet the farm definition based upon sales, livestock inventories, planted crops, or other criteria for potential sales were not included as farms in the census tabulations.

The following table provides CRP data for places not meeting the census farm definition ("whole farm" CRP places). It also contains separate but corresponding CRP data for farms included in the census tabulations. In addition to State data, detailed county data are presented for counties with three or more "whole farm" CRP places reported. For counties with less than three

"whole farm" CRP places reported, their data are combined and reported in "all other counties."

The data for "whole farm" CRP places are not complete for all counties. The census mail list was developed from sources which indicated the farm had agricultural production activity. It was not designed to cover all "whole farm" CRP places. Therefore, the data for these places are limited to what was reported in the census and have not been adjusted to account for nonresponse, incomplete coverage, and reporting errors.

### Land in Conservation Reserve Program: 1987

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

Consumble area	Agricultural places	excluded by farm de in the CRP	efinition with acres	Farms with acres in the CRP			
Geographic area	Number	Land in places (acres)	Land in CRP (acres)	Number	Land in farms (acres)	Land in CRP (acres)	
North Carolina	225	26 585	7 712	959	384 550	31 388	
Anson  Bladen  Caswell  Cleveland  Davidson  Franklin  Gaston  Granville  Granville  Harnett  Johnston  Lenoir  Lincoln  Montgomery  Moore  Nash  Polk  Randolph  Rockingham  Rockingham  Ratherford	15 4 3 300 3 7 6 3 3 3 5 10 3 6 4 4 3 5 3 3 4 4 10	3 102 271 441 2 469 923 857 543 719 315 650 1 220 337 403 1 293 660 216 303 303 100 147	1 121 58 43 1 377 116 99 173 74 70 177 212 35 92 62 40 80 48 84 40 20 369	18 8 25 10 51 10 25 8 33 55 12 9 8 6 27 3 5 5 25 15 15	23 242 1 915 7 387 9 602 3 904 22 214 1 682 8 144 3 149 15 998 11 569 5 071 9 38 4 660 3 606 27 280 356 1 294 7 810	1 949 148 1 075 1 972 176 1 894 492 80 1 280 928 385 2271 (D) 79 1 266 73 (D) 333	
Stanly         Surry         Union         Vance         Wayne         Wilson	9 3 18 3 5 3	977 74 3 002 560 261 518	296 20 1 605 65 175 174	16 2 29 27 13	9 320 (D) 7 322 14 346 4 260 984	1 547 (D) 1 400 657 426	
YadkinAll other counties	5 49	395 4 552	139 908	20 452	4 828 (D)	513 13 490	

# APPENDIX C. Statistical Methodology

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#### MAIL LIST MODEL

A statistical discriminant model was developed to predict the probability that a mail list addressee operated a farm. The model was used to identify the 4.1 million records from the preliminary census mail list of 6.0 million records that would receive a census of agriculture report form. Records from the 1982 census mail list were used to build the model. Record characteristics such as the source of the mail list record (see appendix A for a description of record sources), number of source lists on which the record appeared, expected value of agricultural sales, and geographic location were used to separate mail list records into model groups. The proportion of 1982 census farm records in each group was calculated to provide an estimate of the probability that an addressee in the group operated a farm.

Using these same group definitions, the 1987 census mail list records were separated into groups, each with an associated estimate of farm probability from the model. The 4.1 million mail list records in groups with the largest estimate of farm probability were selected to receive the census report form. A large percentage of the 1.9 million records that were dropped from the 6.0 million preliminary census mail list were nonfarm records from the previous census. This procedure was used to obtain a more complete census enumeration without excessive respondent burden and data collection cost.

#### **CENSUS SAMPLE DESIGN**

Each of the 4.1 million name and address records on the census mail list was designated to receive one of three different types of census report forms. The three forms were the nonsample census form (a four-page form), the sample form (a six-page form), and the short form (a two-page form). Sections 1 through 22 of the sample form were identical to sections on the nonsample census form. However, the sample form contained additional sections on farm production expenditures, usage of fertilizers and insecticides, value of machinery and equipment, value of land and buildings, and farm-related income. The short form contained abbreviated versions of the sections on the nonsample census form. These three different forms were used to reduce the response burden of the census, while providing quality information on a large number of data items at the county level.

The sample form was mailed to all mail list records in Alaska and Hawaii and to a sample of records in other States identified when the mail list was constructed. Addresses were selected into the sample with certainty if they were expected to have large total values of agricultural products sold or large acreage, if they were firms with two or more farms, or if they had other special characteristics. When a nonsample large farm was identified during processing, a supplemental form that contained the additional data inquiries was mailed. All farms in counties with less than 100 farms in 1982 were included in the sample with certainty; counties containing 100 to 199 farms in 1982 were systematically sampled at a rate of 1 in 2; and counties containing 200 or more farms in 1982 were systematically sampled at a rate of 1 in 6. This differential sample scheme was used to provide reliable data for sections 23 through 28 of the report form for all counties.

To determine which mail list records would receive the short form, all mail list records not designated for the sample were sorted into model groups according to farm probability as specified by the mail list model. The 906,000 mail list records in the model groups with the lowest probability of being farms and with an expected total value of agricultural product sales less than \$20,000 were designated to receive the short form. The remaining mail list records were selected to receive the nonsample census form.

#### **CENSUS ESTIMATION**

The 1987 Census of Agriculture used two types of statistical estimation procedures. These estimation

procedures accounted both for nonresponse to the data collection and for the sample data collection. These procedures are used because some farm operators never respond to the census despite numerous attempts to contact them, and not all farm operators are requested to provide the sample data items.

### Whole Farm Nonresponse Estimation

A statistical estimation procedure was used to account for the census farms among mail list nonrespondents that were not designated for telephone followup. A stratified systematic sample of eligible census nonrespondents were mailed a simplified report form. Five sample strata were defined based on form type, expected value of sales, and previous census status. The report form was designed to provide sufficient information to determine farm status. Additional mail and telephone contacts were made to survey nonrespondents to obtain sufficient response for survey estimates.

Estimates of the proportion of census nonrespondents that operated farms were made for each stratum in the State using survey results and applied to the total number of census nonrespondents in that stratum. A synthetic estimation procedure was used to estimate the number of census nonrespondents that operated farms for each county by stratum. This estimation procedure is based on the assumption that the distribution of farms in a stratum by county is the same for census nonrespondents as for census respondents.

Within each stratum in a county, a noninteger nonresponse weight was calculated and assigned to each eligible respondent farm record. The procedure used for calculating the nonresponse weight assumed the eligible census respondents and the nonrespondent farm operations in a county had similar characteristics within each stratum. The noninteger nonresponse weight was the ratio of the sum of the estimated number of nonrespondent farms (using nonresponse survey results) and the number of eligible census respondent farms to the number of eligible census respondent farms. Stratum controls were established to ensure that this weight was never greater than 2.0. The noninteger nonresponse weight was used in the estimation of the final weight for the sample items. It was randomly rounded to an integer weight of either 1 or 2 for each record for tabulating the complete count items.

The procedure assumed that we obtain complete response from large and unique farm operations because these cases received intensive telephone followup during census processing. In situations where addressees could not be contacted by telephone or refused to cooperate, secondary sources such as Agricultural Stabilization and Conservation Service offices or county extension agents were asked to provide information as to whether or not the addressee had agricultural activities. Data from previous census reports for the specific addressee, in conjunction with other information, were used to complete the census report form.

Table A quantifies the effect of the nonresponse estimation procedure on selected census data items. The percentage of the census value contributed by nonresponse estimation as provided in this table indicates the potential for bias in published figures resulting from this procedure. The estimates provided in these tables do not reflect the effect of nonresponse to individual data items on respondents' census report forms. The effect of this item nonresponse is discussed further under Census Nonsampling Error.

Table A. Percent of State Totals Contributed by Whole Farm Nonresponse Estimation: 1987

Item	Percent of total
Farmsnumber	12.1
Land in farmsacres	8.1
Value of land and buildings\$1,000	8.2
Market value of agricultural products sold\$1,000	3.1
Harvested croplandacres	6.7
Corn for grain or seedacres	6.5
Wheat for grainacres	5.6
Livestock and poultry inventory:	
Cattle and calvesnumber	8.0
Hogs and pigsnumber	1.7
Hens and pullets of laying agenumber	.9

### **Sample Estimation**

All respondent sample records received a sample weight. The sample data estimates the actual figures that would have resulted from a complete census of the items in sections 23 through 28 of the report form. The estimates were obtained from an iterative ratio estimation procedure that resulted in the assignment of a weight to each record containing sample items. For any given county, a sample item total was estimated by multiplying the data items for each farm in the county by the corresponding sample weight and summing overall sample records in the county.

Each sample farm was assigned one sample weight to be used to produce estimates for all sample items. For example, if the weight given to a sample farm had the value 5, all sample data items reported by that farm would be multiplied by 5. The weight assigned a certainty farm was 1. The estimation procedure used to assign weights was performed for each county.

Within a county, the ratio estimation procedure for farms was performed in three steps using three variables. The first variable contained eight 1987 total value of agricultural production (TVP) groups. Both the second and third variables, Standard Industrial Classification (SIC) code and farm acreage, contained two groups. The variable groups were as follows:

TVP	SIC	Acres
\$1 to \$999	01 All crops	0 to 69
\$1,000 to \$ 2,499	02 All livestock	70 or more
\$2,500 to \$ 4,999		
\$5,000 to \$ 9,999		
\$10,000 to \$24,999		
\$25,000 to \$49,999		
\$50,000 to \$99,999		
\$100,000 or more		

The first step in the estimation procedure was to partition the sample records into 32 mutually exclusive initial post strata formed by combining the three variable groups. This produced a three dimensional array where the cells of the array corresponded to the initial post strata groups. Each sample farm record was assigned an initial weight equal to the ratio of the total farm count to the sample farm count, expanded for nonresponse estimation, for the cell containing the sample farm. This weight was approximately equal to the inverse of the probability of selecting a farm for the census sample.

The second step in the estimation procedure was to combine, if necessary, the cells of the array (prior to the repeated ratio estimation) to increase the reliability of the ratio estimation procedure. Any cell within the array that either contained less than 10 sample farms or had a ratio of total farms to sample farms that was more than 2 times the mail sample rate was collapsed with another cell (in the same variable) according to a specified collapsing pattern. New total farm counts and sample farm counts were computed for each of the collapsed cells (final post strata) and were used in the ratio estimation procedure to calculate final sample weights.

In the third step in the ratio estimation procedure, complete counts for the three variables (TVP, SIC, acreage) were used to compute the marginals of the array defined by the final post strata. Factors were then applied to expanded sample totals in each cell of the array to obtain agreement with the row marginal (TVP) complete counts. The sample totals then had factors applied to obtain agreement with the column marginal (SIC) complete counts. Lastly, the sample totals had factors applied to obtain agreement with the depth marginal (acreage) complete counts. This procedure that requires the row totals, then the column totals, and then the depth totals to agree with the complete counts for the rows, columns, and depths, respectively, is continued iteratively until the process converges (the marginal totals agree with the complete count totals).

The ratio of the adjusted total farm count to the sample farm count obtained from the second iteration of the estimation procedure was the noninteger final post stratum sample weight assigned to the sample farm records in that post stratum. The noninteger sample weight, the product of the noninteger final post stratum sample weight and the nonresponse weight, was randomly rounded to an integer weight for tabulation. If, for example, the final weight for the

farms in a particular group was 7.2, then one-fifth of the sample farms in this group were randomly assigned a weight of 8 and the remaining four-fifths received a weight of 7.

#### **CENSUS SAMPLING ERROR**

Sampling error in the census data results from the nonresponse sample and the census sample data collection. Census items were classified as either complete count or sample data items. The complete count items were asked of all farm operators. The complete count data items included land in farms, harvested cropland, livestock inventory and sales, crop acreages, quantities harvested and crop sales, land use, irrigation, government loans and payments, conservation acreage, type of organization, and operator characteristics (sections 1 through 22 of the census report form). Variability in the complete count data items is considerably smaller than in the sample items as the variation is due only to the nonresponse sample estimation procedure. The sample items were asked of approximately 25 percent of the total census farm operators. The sample data items included farm production expenditures, fertilizer and chemical usage, farm machinery and equipment, value of land and buildings, and farm-related income (sections 23 through 28 of the census report form). Variability in the estimates of sample items is due both to the census sample selection and estimation procedure and the nonresponse sample estimation procedure.

The sample for the 1987 Census of Agriculture is one of a large number of 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 sample estimates is called the sampling deviation. The standard error 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 percent relative standard error of estimate is defined as the standard error of the estimate divided by the value being estimated multiplied by 100. If all possible samples were selected, each of the samples were surveyed under essentially the same conditions, and an estimate and its standard error were calculated from each sample, then:

- 1. 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.
- 2. Approximately 90 percent of the intervals from 1.65 standard errors below the estimate to 1.65 standard errors above the estimate would include the average value of all possible samples.

The computations involved to define the above confidence statements are illustrated in the following example. Assume that the estimate of number of farms for the State is 94,382 and the relative standard error of the estimate (percent) is .1 percent (0.001). Multiplying 94,382 by 0.001 yields 94, the standard error. Therefore, a 67-percent confidence interval is 94,288 to 94,476 (i.e., 94,382 plus or minus 94). 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 90 percent confidence interval is 94,227 to 94,538 (i.e., 94,382 plus or minus 1.65 x 94).

Tables B and C provide the reliability estimates of the estimated number of farms in a county reporting complete count and sample items, respectively. Both tables show the percent relative standard errors for selected estimated number of farms in a county reporting an item. These are derived from a regression equation. The parameters of the regression equation were estimated using the estimated number of farms in a county reporting the complete count or sample item as the independent variable and the standard error of that estimate as the dependent variable for all counties in the State.

Table B. Reliability Estimates for Number of Farms in a County Reporting a Complete Count Item: 1987

Farms	Relative standard error of estimate (percent)
Number of farms reporting:	
25	6.7
50	4.3
75	3.1
100	2.2
150	.7
200	.6
300	.5
500	.4
750	.3
1,000	.3
1,500	.2
2,000	.2

Note: Complete count items are items in sections 1 to 22 of the report form.

To illustrate the use of these tables, assume that the estimate of the number of farms reporting hogs and pigs for a particular county, as given in county table 12, is 89. Since hogs and pigs is a complete count data item, refer to table B and select the estimated relative standard error of the estimate from the row whose value is equal to or just less than the estimated number of farms, 89. For this example, the relative standard error of the estimate comes from the row for 75 farms reporting. For sample data items, follow the same procedure using table C. In counties that had less than 100 farms in the 1982 Census of Agriculture, table C does not apply because the farms in these

counties were sampled with certainty (1 in 1), and thus, the reliability estimates for the number of farms in these counties are smaller than for counties that were sampled at lower rates (1 in 2 or 1 in 6).

Table C. Reliability Estimates for Number of Farms in a County Reporting a Sample Item: 1987

Farms	Relative standard error of estimate (percent)
Number of farms reporting:	
25	25.9
50	18.9
75	15.9
100	14.1
150	12.1
200	11.0
300	9.7
500	8.6
750	8.0
1,000	7.6
1,500	7.3
2,000	7.1

Note: Sample items are items in sections 23 to 28 of the report form.

Table D presents the relative standard error of selected State data items for all farms and for all farms with sales of \$10,000 or more. The percent relative standard error of the estimate for complete count data measures the variation associated with the sample-based adjustment for whole farm nonresponse. The percent relative standard error of the estimate for sample items measures both the sampling error due to the nonresponse sample estimation procedure and the census sample selection and estimation procedure. The reliability of State estimates may vary substantially from State to State. Generally, State estimates for a given data item are less reliable than the corresponding U.S. estimate.

Table E presents the standard error (not relative standard error) for percent change in State totals from 1982 to 1987. The general purpose of the percent change estimate is to provide a relative measure of the difference in a characteristic between censuses. The relative change for a given characteristic is defined as the ratio of the difference of the 1987 and the 1982 estimate for that characteristic to the 1982 estimate. This ratio is multiplied by 100 to obtain the percent change. The percent standard error of a percent change estimate, then, is the standard error of the ratio multiplied by 100.

Table F presents the relative standard error for county totals for 10 major complete count items and 7 sample items. The relative standard error of the estimate (percent) for the same item differs among counties in a State. Reasons for this are differences among counties in (1) the total number of farms, (2) the number of large farms included with certainty, (3) the size classifications of the farms sampled, (4) the amount of nonresponse, (5) the general agricultural characteristics, and (6) the specific characteristic being measured.

#### **CENSUS NONSAMPLING ERROR**

The accuracy of the census counts are affected by the joint effects of the sampling errors described in the previous section and nonsampling errors. Extensive efforts were made to compile a complete and accurate mail list for the census, to design an understandable report form and instructions, and to minimize processing errors through the use of quality control, verification, and check measures on specific operations. Nonsampling errors arise from incompleteness of the census mail list, duplication in the mail list, incorrect data reporting, errors in editing of reported data, and errors in imputation for missing data. These specific nonsampling errors are further discussed in this section. Evaluation studies will be conducted to measure the extent of certain nonsampling errors such as coverage error, classification error, and item imputation.

#### **Census Coverage**

The main objective of the census of agriculture is to obtain a complete and accurate enumeration of U.S. farms with accurate data on all aspects of the agricultural operation. However, the cost and availability of resources for this enumeration place restrictions on operationally feasible data collection methodologies. The past five agriculture censuses have been conducted by mail enumeration with telephone contact for selected nonrespondents. The completeness of such an enumeration thus depends to a large extent on the coverage of farm operations by the census mail list.

Historically, the census of agriculture has included approximately 90 percent of the farms in the United States and over 96 percent of the agricultural production. Complete enumeration of agricultural operations satisfying the farm definition of \$1,000 or more in agricultural sales is complicated by fluctuations in agricultural operations qualifying for enumeration, the variety of arrangements under which farms are operated, the multiplicity of names used by an operation, the number of operations in which an operator participates, the accuracy of data reporting, etc. A new mail list is compiled for each census because no current single list of agricultural operations is comprehensive.

An evaluation of census coverage has been conducted for each census of agriculture since 1945. The evaluation provides estimates of the completeness of census farm count and major census data items. In addition, the evaluation helps to identify problems in the census enumeration and provide information that can form the basis for improvements. The results of the 1987 Coverage Evaluation program will be published in volume 2, part 2.

The evaluation of coverage conducted in 1987 was designed to measure errors in the census mail list and in farm classification. Mail list error includes a measurement of farms not on the census mail list (undercount), and a measurement of farms enumerated more than once in the

census (overcount). Classification error includes a measurement of farms classified as nonfarms in the census (undercount) and of nonfarms classified as farms in the census (overcount). Classification error arises from reporting and processing errors. Mail list undercount dominates all coverage errors. Net coverage error is defined as the difference of undercounted and overcounted farms. Measurements of these errors, as well as a description of the complete coverage program, will be available in the Coverage Evaluation report.

#### Mail List Coverage

A major problem with the use of a mail list for the census of agriculture enumeration is the difficulties that are encountered in compiling a complete list. The percentage of farms on the census mail list varies considerably by State. Several reasons have contributed to farm operators' names not being included on the census mail list—the operation may have been started after the mail list was developed, the operation may be so small as not to appear in agricultural related source lists used in compiling the census list, or the operation may have been falsely classified as a nonfarm prior to mailout. A large proportion of the farms not included on the mail list were small in both acres and sales of agricultural products.

The 1987 Census of Agriculture Coverage Evaluation used the area segment sample of the 1987 June Enumerative Survey (JES) of the National Agricultural Statistical Service (NASS) to estimate farms not on the census mail list. The Census Bureau contracted with the NASS to augment the JES data collection and receive survey data under the confidentiality protection afforded by Title 13, U.S. Code, from all residents of area sample segments with agricultural activity. These survey records were matched to the census mail list. Records that did not match were mailed a census of agriculture report form to estimate mail list coverage. Estimates of farms not on the census mail list used the capture-recapture dual frame estimator that will be described in the Coverage Evaluation report.

Table G provides coverage evaluation estimates of the number of farms not on the mail list and selected characteristics of those farms with their percent relative standard error. The table also provides an estimate of characteristics of farms not on the mail list as a percentage of total farms in the State. The estimate of total farms in the State is based on census farm count and the estimated number of farms not on the census mail list. This estimate of total farms in the State was not adjusted for classification and list duplication errors. Estimates of these errors will be made at the regional rather than the State level and will be available in the Coverage Evaluation report. The table provides the standard error (not relative standard error) of this percent estimate.

#### Respondent and Enumerator Error

Incorrect or incomplete responses to the mailed census report form or to the questions posed by a telephone

enumerator introduce error into the census data. Such incorrect information can lead, in some cases, to incorrect enumeration of farms. This type of reporting error is measured by the Classification Error Study discussed later in this section. To reduce all types of reporting error, questions were phrased as clearly as possible based on tests of the census report form, and detailed instructions for completing the report form were provided to each addressee. In addition, each respondent's answers were checked for completeness and consistency.

#### **Item Nonresponse**

Nonresponse to particular questions on the census report that we would logically or statistically expect to be present may create a type of nonsampling error in both complete count and sample data. When information reported for another farm with similar characteristics is used to edit or impute for item nonresponse, the data may be biased because the characteristics of the nonrespondents have not been observed and may differ from those reported by respondents. Any attempt to correct the data for nonresponse may not completely reflect this difference either at the element level (individual farm operation) or on the average.

#### **Processing Error**

The many steps of processing of each census report form are sources for the introduction of nonsampling error. The processing of the census report forms includes clerical screening for farm activity, computerized check-in of report forms and followup of nonrespondents, keying and transmittal of completed report forms, computerized editing of inconsistent and missing data, review and correction of individual records referred from the computer edit, review and correction of tabulated data, and electronic data processing. These operations undergo a number of quality control checks to ensure as accurate an application as possible, yet some errors are not detected and corrected.

#### **Classification Error**

An evaluation study of classification errors was conducted in the 1987 Census of Agriculture as part of the census coverage evaluation program. A sample of mail list respondents was selected, and these addresses reenumerated to determine whether they were a farm or nonfarm. A farm status determination was made based on the evaluation questionnaire and compared with the status based on the data reported on the census form. Differences in status were reconciled.

In past censuses, the proportion of farms undercounted due to classification errors was higher for farms with small values of sales. The classification error rate was higher for (1) livestock farms than crop farms, (2) farms with a small number of acres than larger farms, or (3) tenant farms than full or part-owner farms. Results from the 1987 classification error study will be published in the Coverage Evaluation report.

# EDITING DATA AND IMPUTATION FOR ITEM NONRESPONSE

For the 1987 Census of Agriculture, as in previous censuses, all reported data were keyed and then edited by computer. The edits were used to determine whether the reports met the minimum criteria to be counted as farms in the census. Computer edits also performed a series of complex, logical checks of consistency and completeness of item responses. They provided the basis for deciding to accept, impute (supply), delete, or alter the reported value for each data record item.

Whenever possible, edit imputations, deletions, and changes were based on component or related data on the respondent's report form. For some items, such as operator characteristics, data from the previous census were used when available. Values for other missing or unacceptable reported data items were calculated based on reported quantities and known price parameters.

When these and similar methods were not available and values had to be supplied, the imputation process used information reported for another farm operation in a geographically adjacent area with characteristics similar to those of the farm operation with incomplete data. For example, a farm operation that reported acres of corn harvested, but did not report quantity of corn harvested, was assigned the same bushels of corn per acre harvested as that of the last nearby farm with similar characteristics that reported acceptable yields during that particular execution of the computer edit. The imputation for missing items in each section of the report form was conducted separately; thus, assigned values for one operation could come from more than one respondent.

Prior to the imputation operation, a set of default values and relationships were assigned to the possible imputation variables. The relationships and values varied depending on the item being imputed. For example, different default values were assigned for several standard industrial classification and total value of sales categories when imputing hired farm labor expenses. These values and item relationships for the possible imputation variables were stored in the computer in a series of matrices. The computer records were sorted by reported State and county, where the county sequence was based on similar types of farms and agricultural practices.

Each execution of the computer edit consisted of records from only one State. For a given execution of the edit, the stored entries in the various matrices were retained in the computer only until a succeeding record having acceptable characteristics for some sections of the report form was processed by the computer. Then the acceptable responses

of the succeeding operation replaced those previously stored. When a record processed through the edit had unreported or unacceptable data, the record was assigned the last acceptable ratio or response from an operation with a similar set of characteristics. Once each execution of the computer edit for a State was completed, the possible imputation variables were reset to the default values and relationships for subsequent executions.

After the initial computer edit, keyed reports not meeting the census farm definition were reviewed to ensure that the data were keyed correctly. Edit referrals were generated for about 30 percent of the reports included as farms, and they were also reviewed for keying accuracy and to ensure that the computer edit actions were correct. If the results of the computer edit were not acceptable, corrections were made and the record was reedited. More extensive discussions of the edit and item imputation methodology with measures of the extent of imputation in the census estimates will be provided in a separate research report.

Tables D through G follow.

Table D. Reliability Estimates of State Totals: 1987

		All farm	s	Farms with sales of \$10,000 or more		
Item		Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	
Farms		59 284 9 447 705	(Z) .1	25 721	.1 .1	
Land in farms		159	.2	7 094 471 276	.2	
Value of land and buildings¹	dollars	11 844 606 199 781 1 263	.7 .7 1.3	8 280 996 323 578 1 181	.8 .9 1.6	
Estimated market value of all machinery and equipment <sup>1</sup> Average per farm		1 799 492 30 403	.7 .8	1 379 697 53 932	.8 1.1	
Farms by size: 1 to 9 acres	farms	5 253	.5	1 518	.8	
10 to 49 acres	acres	21 587 18 088	.6	6 433 4 121	1.0	
50 to 179 acres	acres farms	504 828 22 680	.3 .2 .2	117 054 9 219	.5 .6 .3	
180 to 499 acres	acres	2 177 710 9 337	.2	966 811 7 166	.s .4	
500 to 999 acres	acres	2 682 435 2 676	.3	2 123 895 2 476	.4 .5 .5	
1,000 to 1,999 acres	acres	1 794 570 938	.5	1 664 649 917		
2,000 acres or more	acres	1 239 058 312	-	1 210 568 304	-	
	acres	1 027 517	-	1 005 061	-	
Total cropland	acres	54 972 5 716 256	.1	23 959 4 685 653	.1 .1	
Harvested cropland	acres	50 108 3 779 164	.1	22 839 3 350 998	.1 .1	
Acres harvested: 1 to 9 acres	farms	15 114	.2	2 586	.6	
10 to 49 acres	acres farms	63 590 20 910	.3	13 181   7 658	.8 .4	
50 to 99 acres		471 827 5 544	.2 .3 .2 .3 .5 .5	199 593   4 233	.6 .8 .4 .4 .6	
100 to 199 acres	acres	382 282 3 919	<u> </u>	299 402 3 750		
200 to 499 acres	acres	544 963 3 203	.5 .5 .4	524 550 3 194	.5 .5 .4 .2 .2	
500 to 999 acres	acres	980 887 1 027	.4 .2 .2	978 657 1 027	.4 .2	
1,000 acres or more	acres farms acres	691 007 391 644 608	.2	691 007 391 644 608	.2 - -	
Cropland used only for pasture or grazing		21 876	1	7 627		
Other cropland	acres farms acres	782 535 25 965 1 154 557	.2 .3 .2 .2	407 289 14 266 927 366	.3 .5 .2 .3	
Irrigated land	farms	6 445	.4	4 726	.4	
Acres irrigated:	acres	137 858	.3	131 225		
10 to 49 acres	acres	3 726 13 727 2 161	.5 .7 .7	2 136 9 688 2 037	.7 .9 .7	
50 to 99 acres	acres	46 317 345	.6 1.1	43 995 340	 .6 1.0	
	acres	22 617	1.1	22 345	1.0	
100 to 199 acres	acres	139 18 825	1.2 1.3	139 18 825	1.2 1.3	
200 to 499 acres	acres_	53 15 191	-	53 15 191	=	
1,000 acres or more	acres	13 8 548 8	-	13 8 548 8	=	
·	acres	12 633	-	12 633	-	
Market value of agricultural products sold Average per farm	\$1,000 dollars	3 541 419 59 737	(Z) .1	3 433 922 133 507	(Z) .1	
Value of sales: Less than \$2,500	farms	16 758	.2	_	_	
\$2,500 to \$4,999	\$1.000	18 210 8 461	.2 .3 .4	-	=	
\$5,000 to \$9,999		30 155 8 344	.4 .4	-	=	
\$10,000 to \$24,999	\$1,000	59 132 8 515	.4	8 515	-	
\$25,000 to \$49,999	\$1,000 farms	134 571 4 817	.4	134 571 4 817	.4 .5	
\$50,000 to \$99,999	\$1,000 farms	171 404 4 271	.5 .5	171 404 4 271	.5 .5	
\$100,000 or more	\$1,000 farms \$1,000	306 583 8 118 2 821 364	.3 4.5 5.5 5.5 (Z)	306 583 8 118 2 821 364	.3 .4 .5 .5 .5 .5 (2) (2)	
Sales by commodity or commodity group:  Crops, including nursery and greenhouse crops		39 469				
Grains	\$1.000	1 436 988 334 526	.1 .1 2	20 636 1 375 753 317 310	.1 .1 .2	
Corn for grain	\$1,000	128 749	.2 .2 .3 .2 .1.2	122 429 36 061	.2 .2 .3 .2 1.2 1.2	
WheatSoybeans	\$1,000	37 918 161 616	.3	153 169	.3 .2	
Sorghum for grain	\$1,000	1 152 1 892	1.2	1 053 1 714	1.2 1.2	
OatsOther grains	\$1,000	2 026 1 173	.9 2.2	1 756 1 128	1.0 2.4	

Table D. Reliability Estimates of State Totals: 1987—Con.

		All farm	ns	Farms with sales of \$10,000 or more		
Item		Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent	
Sales by commodity or commodity group—Con.						
Crops, including nursery and greenhouse crops—Con.  Cotton and cottonseed	\$1,000	31 119	.4	30 861	,	
Tobacco	\$1,000	700 234	.2	669 234		
Hay, silage, and field seedsVegetables, sweet corn, and melons	\$1,000	14 125 53 827	.4 2.8 .5 .9 (Z)	10 011 51 086	1.	
Fruits, nuts, and berriesNursery and greenhouse crops	\$1,000	28 118 113 817	.9	26 460 111 452		
Other crops	\$1,000 \$1,000	161 222	.2	159 338		
Livestock, poultry, and their products		31 330	.1	13 461		
Poultry and poultry products	\$1,000 \$1,000	2 104 430 1 240 193	(Z) .1	2 058 169 1 239 912	(Ż	
Dairy products	\$1,000	198 563	.2	198 381	:	
Cattle and calvesHogs and pigs	\$1.000	134 389 515 327	.3	97 108 509 556		
Sheep, lambs, and woolOther livestock and livestock products (see text)	\$1,000	752 15 208	2.5 1.4	438 12 774	3. 1.	
Farms by standard industrial classification:	41,000	15 200	1.4	12 774	1.	
Cash grains (011)		7 051	.4	2 275		
Field crops, except cash grains (013)	acres	1 631 988 20 943	.4	1 256 230 11 805	.*	
	acres	3 676 472	.2	3 149 751	1.3	
Vegetables and melons (016)	acres	1 173 103 080	1.2 1.3	451   71 210	1.3 1.0	
Fruits and tree nuts (017)		1 064	1.1	385	1.	
Horticultural specialties (018)	acres	86 397 1 310	1.4	51 740	1.8	
	90700	62 686	-	750 47 078		
General farms, primarily crop (019)	acres	2 771 835 496	.7 .5	1 362 733 988	!. !.	
Livestock, except dairy, poultry, and animal specialties (021)		18 235		3 698		
	acres !	2 083 522	.2 .3 .7	937 091	.! .! .7	
Dairy farms (024)	20100	1 132 415 030	.7	1 089 411 652		
Poultry and eggs (025)	farms	3 762 400 063	.4 .3 .3	3 654		
Animal anguighting (007)	acres		1.0	392 973   217	o.,	
Animal specialties (027)	acres	1 557 81 620	1.8	16 692	2. 3. 2.	
General farms, primarily livestock and animal specialties (029)	farms acres	286 71 351	2.1 2.0	35 26 066	2.1	
farms by type of organization:	dolesti	71 001	2.0	20 000		
Individual or family (sole proprietorship)	farms	52 398	.1	21 356	.3	
Partnership	acres farms	7 260 157 5 238	.1 .5	5 135 177 3 168	2 6 8 8 2 2 1.2	
Corporation	acres	1 322 080 1 355	.4	1 159 971 1 079	.4	
·	acres	779 067	.7 .3 2.1	733 877		
Other—cooperative, estate or trust, institutional, etc.	acres	293 86 401	2.1 1.4	118 65 446	2.9	
Fenure of operator:	40/0022	00 401	1.4	00 440	•••	
Full owners		34 664	.1	10 370	.:	
Part owners	acres farms	3 562 341 18 874	.2	1 847 734 12 085	:	
Tenants	acres	5 053 795 5 746	.2 .2 .2 .5 .5	4 510 052 3 266	    	
Telialita	acres	831 569	.5	736 685		
Operators by principal occupation:						
Farming	acres	30 687 6 918 655	.1 .1	19 190 6 002 217	.1	
Other	farms	28 597	.2	6 531	.4.	
Danastas Inc. and	acres	2 529 050	.3	1 092 254	.6	
Operators by sex:         Male	farms	55 392	.1	24 399	.1	
Female	acres	9 054 348 3 892	.1 .6	6 883 356 1 322	1. 1.0	
	acres	393 357	.9	211 115	1.3	
Average age of operator	years	53.3	.1	50.9	.2	
Cropland under federal acreage reduction programs:  Annual commodity acreage adjustment programs	farms	11 239	.3	8 850		
	acres	422 605	.2	403 531	1.4	
Conservation reserve program	acres	959 31 388	1.2 1.3	570 22 835	1.4 1.2	
Sovernment payments:	40/0022	0, 000				
Amount received in cash	\$1,000	44 004	.3	41 260	.3	
Value of certificates received	\$1,000	47 615	.2	44 541	.2	
Net cash return from agricultural sales1:  Net cash return from agricultural sales for the farm unit (see text)	farms	59 288	.1	25 592	.2	
•	\$1,000	688 217	.8	716 730		
Average per farm		11 608	.9	28 006	1.1	
Farms with net gains <sup>2</sup>	number \$1,000	35 169 796 984	.2 .5	21 141 770 367		
Farms with net losses	number	24 119	.2	4 451		
	\$1,000	108 767	1.4	53 637	1.7	
otal farm production expenses <sup>1</sup>	farms \$1.000	59 288 2 779 353	.1 .2	25 592 2 642 471	1.6	
Livestock and poultry purchased	farms	13 173	1.5	8 203	1.0	
Feed for livestock and poultry	\$1,000 farms	323 978 24 926	1.0	317 443 11 949	1.	
	\$1,000	921 654	.3	911 379	· .	
Seeds, bulbs, plants, and trees	farms	38 327	.7	19 974	.7	
Commercial fertilizer	\$1,000 farms	68 811 46 980	.8 .5	64 270 21 722	.7 .6	
	\$1,000	179 396	.6	161 221	**	

Table D. Reliability Estimates of State Totals: 1987—Con.

		All fa	arms	Farms with sales of \$10,000 or more		
Item		Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	
Total farm production expenses Con.			_			
Agricultural chemicals	\$1,000	39 867 107 <b>6</b> 55	.6 .8	21 170 100 439	.6 .8 .3 .6	
Petroleum products	farms	56 379	.2	25 119	.3	
Electricity		143 686 36 010	.5 .7	130 344 22 023	.6 .6 .6	
	\$1,000	49 161	.6	45 936		
Hired farm labor	\$1,000	26 952 287 037	.9 .5 2.3 1.5	17 997 282 054	.9 .5	
Contract labor	farms \$1,000	7 109 42 089	2.3	4 892 40 738	2.4	
Repair and maintenance	\$1,000 farms \$1,000	46 551 129 943	.5	22 853 114 398	 2.4 1.5 .6 .6	
Customwork, machine hire, and rental of machinery and equipment	farms \$1,000	19 512 32 864	1.3 1.7	11 351 29 210	1.4 1.9	
Interest	farms	23 735	1.1	15 283	1.1	
O	\$1,000	130 580	.9	114 599	.8	
Cash rent	\$1,000	18 588 116 952	1.3 1.0	13 006 113 241	1.3 1.0	
Property taxes	farms	56 178	.3	24 216	.4	
	\$1,000	50 725	.3 .7	33 384	.8	
All other farm production expenses	\$1,000	51 596 194 822	.4 .5	25 581 183 815	.4 .8 .2 .5	
Livestock and poultry:		i				
Cattle and calves inventory		24 985	.2	8 311	.3	
Beef cows	number	784 136 20 630	.2 .2 .2 .3 .6	518 956 6 399	.3	
	number	320 641	.3	172 961	.5	
Milk cows	number	2 336 110 127	.6 .3	1 396 108 009	.3 .3 .4 .5 .7 .3	
Cattle and caives sold	forme	22 682	2	7 944		
Hogs and pigs inventory	number	395 732 6 921	.2 .3 .4	269 643 4 014	.3 .4 .5 .1 .5 .1	
	number	2 547 127	.1	2 497 972	.5 .1	
Hogs and pigs sold	number	6 290 5 180 960	.5 .1	3 928 5 102 971	.5 .1	
Sheep and lambs inventory	farms	542	1.6	190	2.4	
	number	15 820	2.5	8 144	3.6	
Sheep and lambs sold	number	423 10 794	1.8 2.7	165 6 097	2.6	
Hens and pullets of laying age inventory		3 138	.6	1 288	4.4 .8 .2	
, , , ,	number	15 887 006	.2	15 849 701	.2	
Broilers and other meat-type chickens sold	farms number	2 153 408 721 082	.4 .1	2 132 408 695 054	. <b>4</b> .1	
Horses and ponies inventory	farms number	6 811 29 946	.4 .8	1 870 8 688	.8 1.7	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	25 040		3 355	•	
Selected crops harvested:						
Corn for grain or seed		21 000	.2	12 890	.2	
	acres bushels	1 056 000 71 795 021	.2 .2	977 445 67 558 854	.2 .2 .2	
Wheat for grain	farms	7 747	.4	5 716	4	
Wilder for grant	acres	378 744	.3	352 126	. <del>1</del> .3 .3	
	bushels	15 091 015	.3	14 262 949	.3	
Cotton		981	و.	890	.9	
	acres bales	94 186 93 720	.5 .4	93 046 92 816	.9 .5 .4	
Tobacco	farms	22 260	.2	13 853	.2	
	acres	239 343	.2 .2 .2	223 943	.2 .2 .1	
	pounds	478 051 423	.2	454 566 470		
Soybeans for beans		17 409	.2	11 990	.2	
	acres bushels	1 273 278 31 368 069	.2 .2	1 185 912 29 621 332	.2 .2 .2	
Peanuts for nuts	farms	3 038	.5	2 540	4	
	acres	144 682	.3	141 743	.4 .3 .3	
	pounds	379 952 977	.3	374 041 180	.3	
Hay-alfalfa, other tame, small grain, wild, grass silage, green chop, et (see text)	tc. farms	20 733	.9	6 961	.3	
	acres	456 360	.2 .3	258 527	.3 .4 .5	
	tons, dry	795 954	.4	520 423	5	

<sup>&</sup>lt;sup>1</sup>Data are based on a sample of farms. <sup>2</sup>Farms with total production expenses equal to market value of agricultural products sold are included as farms with gains.

Table E. Reliability Estimates of Percent Change in State Totals: 1982 to 1987

	All fa	arms	Farms with sales of \$10,000 or more		
ltem	Percent change	Standard error of estimate (percent)	Percent change	Standard error of estimate (percent)	
Farmsnumber_	-18.6	t.	-22.6	.1	
Land in farmsacres   Value of land and buildings1:	-8.5	.1	-8.1	.1	
Average per farmdollars	6.4	1.2	6.2	1.3	
Total cropland farms	-19.7	.1	-24.1	.1	
Harvested cropland farms	-3.9 -21.0	.1	-3.9 -25.4		
acres	-18.9	ä	-19.1	] 3	
Irrigated land farms acres	60.1 70.0	.7 .6	59.4 72.8	.7	
Market value of agricultural products sold farms	-18.6 1.2	.1 .1	-22.6 2.1	.1	
Crops, including nursery and greenhouse cropsfarms	-25.1 -24.3	:1:	-28.2 -24.1	.1	
Livestock, poultry, and their products farms	-24.3 -12.0	.1 .2	-24.1 -14.6		
\$1,000	31.3	.1	32.7	.1	
Poultry and poultry productsfarms \$1,000	-5.9 40.8	.3 .2	1.5 41.0	.1 .2 .1 .3 .2	
Selected farm production expenses¹: Livestock and poultry purchased farms	-17.4	1.8	-5.2	2.3	
\$1,000 Feed for livestock and poultry	41.2 -17.4	1.3 1.2	43.8 -12.5	1.3	
\$1,000	31.2	.9 .7	32.2	.9	
Seeds, bulbs, plants, and treesfarms	-18.5 8.4	1.5	-25.2 9.4		
Commercial fertilizer <sup>2</sup> farms	-19.0	.6	-26.5	.5 1.0	
\$1,000_   Agricultural chemicals <sup>2</sup> farms_	-24.7 -6.4	.9 .9	-26.2 -21.0	1.0	
\$1,000	-3.6	1.3	-5.0	1.4	
Hired farm labor farms	-15.4 17.0	1.1 1.1	-17.5 20.5	1.0	
\$1,000_   Interest <sup>3</sup> farms_	-14.4	1.3	-24.5	1.2 1.2 1.2	
\$1,000	-36.8	.9	-40.0	8.	
Livestock and poultry inventory:  Cattle and calves farms	-18.0	2	-21.3	,	
number	-11.9	.2 .2 .3 .2	-7.6	.3	
Hogs and pigs farms number	-39.2 24.4	.3	-36.2 27.8	.3	
Hens and pullets of laying age farms	-39.2	.4	-33.6	2 3 3 2 2 3 3	
Selected crops harvested:	4.2	.3	5.0		
Corn for grain or seed farms acres	-30.4 -24.2	.1	-30.1 -23.9		
Sorghum for grain or seed farms	-31.0		-34.4	.2 .1 .9 .6 .6 .2	
Wheat for grain farms	-39.5 -35.2	.8 .6 .2 .2	-41.8 -34.5	.6	
wheat for grain tarmsacres	-36.6 -36.6	.2	-36.7	.2	
Soybeans for beansfarms	-33.9 -27.1	.2 .2	-31.9 -25.6	.2	
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text)	-27.1 -1.5	.2	-25.6 -7.2	1	
acres	21.4	.4	22.6	.6	
Vegetables harvested for sale (see text) farms	-23.2	.4 .5	-14.4	.3 .6 .7 .8 1.3	
Land in orchards farms	5.4 -14.1	.8	11.9 10.3	1.3	
acres	-4.1	1.2	9.5	1.4	

<sup>&</sup>lt;sup>1</sup>Data are based on a sample of farms.
<sup>2</sup>Data for 1987 include cost of custom applications.
<sup>3</sup>Data for 1982 do not include imputation for item nonresponse.

Table F. Reliability Estimates of County Totals: 1987

[For meaning of abbreviation:	Farm		Land in	farms	Average value and buildings		Estimated ma of all machi equipm	nery and	Harvested of	cropland	Irrigated	land
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 (\$1,000)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)
Alamance	821 594 514 316 1 182	.4 .4 .4 .7 .3	99 826 57 431 75 237 85 095 113 845	1.3 1.1 1.2 1.3 1.0	176 587 141 340 185 846 226 649 109 037	5.1 5.0 9.2 4.0 5.3	18 660 13 752 12 672 12 011 15 028	5.8 9.2 7.5 4.6 4.8	29 062 14 700 15 076 23 103 14 008	1.3 1.2 1.5 1.5 1.2	1 555 243 182 39 185	2.7 5.3 12.2 25.8 6.6
Avery	280 630 564 719 313	.6 .5 .6 .5	20 826 156 433 171 926 130 650 48 310	2.7 .5 .8 1.4 1.7	104 957 247 148 306 145 159 692 175 313	5.9 5.0 4.0 4.9 6.8	6 821 30 512 31 260 21 829 9 495	21.2 7.1 6.7 7.9 17.5	3 337 114 024 73 911 56 998 18 339	1.8 .5 .8 1.2 1.6	101 357 6 687 1 150 361	7.4 4.2 1.7 2.5 30.4
Buncombe Burke Cabarrus Caldwell Camden	1 200 366 488 368 102	.3 .5 .4 .5 1.5	103 876 34 833 76 984 35 158 49 683	1.2 2.2 1.5 3.0 1.8	170 749 155 691 234 121 160 391 512 941	8.8 9.5 6.4 9.6 8.3	16 598 6 843 15 532 6 816 7 389	7.2 6.4 14.0 9.7 2.5	18 216 8 250 26 695 7 424 39 971	1.2 2.3 1.9 2.2 1.1	354 460 208 341 83	6.4 .9 4.1 1.8 30.8
Carteret	122 707 567 961 267	1.0 .5 .3 .3	65 541 130 334 67 408 112 674 27 100	.6 1.4 1.3 1.0 3.0	893 730 173 071 176 150 160 661 147 494	1.3 7.5 3.8 6.4 9.7	6 353 15 904 13 385 23 705 5 556	13.0 10.7 6.6 4.9 7.5	(D) 18 473 21 130 22 067 4 924	(D) 1.5 1.9 1.1 3.5	493 2 302 261 601 244	1.6 2.3 22.5 3.4 21.3
Chowan	220 184 830 1 334 406	1.1 .7 .3 .4	50 446 (D) 107 269 180 427 89 149	1.2 (D) 1.1 1.1	255 655 174 582 145 863 164 271 236 195	2.6 6.1 5.5 7.3 6.7	11 213 4 634 15 913 36 211 17 138	5.4 20.8 4.2 5.6 6.4	29 070 4 170 30 062 81 498 48 330	1.4 6.3 1.4 .9 1.1	2 229 15 487 462 451	1.8 11.7 9.9 10.6 7.8
Cumberland	524 106 4 1 042 623	.7 .9 .3 .3	99 997 47 369 (D) 96 307 79 231	1.4 1.2 (D) 1.0 .8	181 675 581 764 960 250 164 769 191 571	4.2 11.7 - 4.3 5.5	13 236 6 718 279 20 941 15 950	6.0 4.2 - 6.1 6.5	47 691 30 965 (D) 32 092 26 359	1.5 1.0 (D) 1.2 1.0	2 788 746 (D) 929 723	1.8 11.5 (D) 3.5 2.2
Duplin	1 531 234 449 735 666	.4 .8 .5 .4	234 541 24 115 182 498 55 132 124 620	.9 2.3 .6 1.5 1.0	161 737 206 000 385 187 177 479 253 496	5.3 5.9 3.1 7.0 13.8	47 548 5 688 28 175 14 179 22 652	2.9 11.8 2.7 8.8 6.8	107 325 6 025 91 789 14 839 35 722	.9 2.6 .6 1.5 1.3	846 294 7 932 735 4 326	7.1 9.1 2.4 4.5 1.6
GastonGatesGrahamGranvilleGraene	336 251 147 847 510	.6 .8 1.0 .4 .6	40 937 68 992 7 533 160 107 117 207	1.5 1.0 4.6 1.1 1.2	230 458 306 227 78 870 198 305 292 861	9.4 7.4 7.0 6.6 6.5	7 528 18 977 1 392 26 065 25 108	12.7 13.3 9.3 10.2 6.2	11 333 39 172 794 26 033 61 611	1.9 .8 5.6 1.1 1.0	65 2 112 (D) 4 256 1 143	11.0 1.5 (D) 2.1 7.2
Guilford Halifax Harnett Haywood Henderson	1 141 428 875 912 592	.3 .6 .4 .3	126 369 208 333 138 906 79 672 59 232	.9 .6 .9 1.2 1.8	230 703 409 414 204 265 146 389 248 586	5.8 5.4 6.9 3.4 6.4	29 422 36 443 28 295 15 200 24 001	4.5 3.0 4.8 6.4 7.6	40 827 96 721 52 984 10 252 24 965	1.0 .7 .8 1.2 .9	2 558 3 393 3 741 287 769	1.9 1.1 1.3 4.2 7.6
Hertford	271 193 163 1 206 234	.9 1.0 .9 .3 .8	91 744 66 292 102 420 161 518 18 069	1.8 1.2 .7 .8 3.3	297 074 277 554 595 472 181 890 155 534	8.5 3.8 3.0 5.3 5.5	15 063 7 303 13 842 30 519 3 072	7.7 5.1 4.9 5.3 16.0	41 193 39 484 73 271 52 356 2 844	1.2 1.5 .8 1.1 3.2	2 439 348 52 507 131	1.9 2.7 29.2 3.4 5.0
Johnston Jones Lee Lenoir Lincoln	1 713 248 345 667 480	.2 .6 .6 .4	234 394 72 273 42 636 146 111 59 491	.7 1.3 1.6 .7 1.4	196 635 289 383 184 695 276 367 139 133	7.3 7.1 4.3 4.5 4.1	47 969 8 551 9 083 31 179 10 694	5.9 4.8 9.4 4.5 8.8	105 772 32 827 9 797 77 925 22 980	.5 1.2 2.3 .7 1.9	5 209 301 1 304 949 358	.8 5.2 2.7 4.4 7.8
McDowell Macon Madison Martin Mecklenburg	232 318 1 305 591 348	.6 .5 .3 .5	23 198 25 753 101 408 140 110 35 929	2.2 2.2 1.1 .7 1.8	113 797 167 406 95 520 246 944 295 216	4.8 7.0 4.5 4.5 5.9	3 900 4 007 17 158 26 759 17 849	16.0 9.8 7.4 4.5 8.9	5 167 4 726 8 052 72 138 11 913	2.5 1.8 1.6 .6 1.9	111 293 305 1 366 228	4.4 6.0 4.8 3.9 3.4
Mitchell	351 241 759 692 65	.5 .7 .4 .4 1.8	25 625 41 972 84 109 184 304 8 858	2.4 2.1 1.1 .6 2.1	80 405 193 141 143 744 356 049 223 954	4.1 11.9 12.6 6.5 (Z)	4 178 7 502 18 009 37 708 1 254	11.8 11.0 6.8 1.9 (Z)	2 663 8 272 14 872 76 733 2 260	3.4 2.7 2.3 .5 4.3	30 871 3 064 11 395 123	9.8 4.1 1.9 .4 12.7
Northampton	452 436 522 86 225	.5 .6 .5 1.1	169 414 68 890 81 108 38 270 81 626	.7 1.6 1.1 .9 1.1	269 616 183 442 316 426 390 488 514 364	5.1 3.5 7.8 3.9 6.5	26 084 16 016 19 655 7 221 15 855	2.9 11.7 8.6 3.0 8.0	76 177 29 519 23 070 26 789 64 995	.7 1.3 1.3 1.0 1.1	1 762 297 1 102 1 298 25	.3 1.2 2.2 .5 3.6
Pender Perquimans Person Pitt Polk	393 272 555 757 192	.7 .9 .5 .4	70 240 75 808 117 441 213 831 26 073	1.9 1.6 1.1 .6 1.5	161 860 318 938 216 059 364 144 159 964	3.6 4.8 6.5 3.7 3.3	10 579 15 260 13 567 41 073 2 693	10.2 9.9 7.0 2.8 12.8	29 589 55 814 27 353 123 844 4 498	1.6 1.7 1.6 .5 2.0	239 (D) 2 257 2 405 165	18.5 (D) 1.8 1.8 7.2
RandolphRichmond Robeson Rockingham Rowan	1 350 214 1 476 1 056 823	.3 .9 .4 .3	154 350 54 858 305 481 137 426 107 542	1.0 2.2 .7 1.1 .9	145 975 164 154 180 795 156 781 151 953	5.0 4.6 3.9 3.6 3.7	36 452 7 232 48 449 23 356 20 704	5.9 11.1 5.4 4.5 6.2	44 188 15 288 170 000 29 420 40 210	1.4 4.4 .6 1.4 1.3	1 243 1 737 568 4 606 645	5.1 3.6 4.8 1.3 1.9

Table F. Reliability Estimates of County Totals: 1987—Con.

[For meaning of abbreviation	Farms		Land in	farms	Average valuand buildings		Estimated ma of all machi equipm	nery and	Harvested	cropland	Irrigated land	
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 (\$1,000)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)
Rutherford Sampson Scotland Stanly Stokes	503 1 477 123 572 1 153	.3 1.4 .4 .3	58 090 263 626 60 004 96 868 102 204	1.7 .7 1.6 1.0 1.0	129 306 181 640 357 122 179 135 103 150	6.1 4.8 5.3 4.9 5.3	7 392 45 712 8 013 18 862 20 375	8.0 2.4 2.8 5.6 6.0	11 739 141 329 32 902 51 592 16 631	1.8 .5 1.6 1.4 1.1	61 7 920 288 398 1 007	8.0 1.2 10.0 .9 3.1
SurrySwainTransylvaniaTyrreilUnion	1 314 79 196 120 1 086	.3 1.2 .8 1.2 .3	133 218 7 258 14 315 61 980 170 378	.9 2.5 3.7 .8 .8	140 183 152 785 150 837 519 783 266 419	5.7 (Z) 8.2 3.1 7.4	27 369 1 575 3 528 10 609 44 235	5.0 (Z) 15.0 7.8 4.6	35 325 877 4 113 45 862 92 620	1.0 4.3 5.6 .6	1 923 102 34 (D) 724	4.0 13.7 .9 (D) 1.3
Vance	352 1 003 336 269 747	.6 .4 .7 .9	71 442 128 571 86 459 115 474 54 157	1.3 1.1 1.5 .9 1.2	182 449 319 815 182 282 375 067 135 987	6.0 5.8 7.3 2.3 5.5	15 066 34 724 10 372 17 978 9 099	12.5 6.3 6.0 4.3 8.4	16 181 40 016 17 233 84 411 6 350	1.6 1.4 1.4 1.0 1.4	3 096 5 835 1 668 1 748 176	1.6 1.0 2.1 - 2.5
Wayne Wilkes Wilson Yadkin Yancey	1 076 1 204 666 1 045 724	3 3 4 3 4	186 285 112 013 144 820 106 305 41 310	.7 1.0 .7 1.0 1.7	229 592 144 402 304 477 147 896 82 280	7.9 10.7 8.0 6.8 4.3	41 706 32 207 34 188 25 401 8 259	4.0 5.1 5.1 7.2 8.1	102 467 23 486 74 691 40 385 3 973	.7 1.1 .7 1.2 2.4	2 364 90 3 463 1 230 81	1.8 8.0 2.5 2.1 6.1
	Cattle and calves inventory		Hogs and pig	s inventory	Corn for grai	n or seed	Wheat fo	r grain	Soybeans f	or beans	Market value o products	
Geographic area	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)
AlamanceAlexanderAlleghanyAnsonAshe	18 625 15 020 21 522 7 878 18 400	1.2 1.2 1.1 2.5 1.2	5 329 1 207 31 6 494 825	2.4 13.9 15.9 2.9 2.9	3 740 1 145 291 5 818 64	3.1 3.4 2.3 1.4 11.3	2 826 298 (D) 2 532 (D)	4.0 6.9 (D) 2.6 (D)	2 791 559 - 8 281 (D)	3.8 4.7 - 2.3 (D)	28 169 30 823 15 876 44 614 17 797	.5 .4 1.1 .2
Avery	1 799 1 733 1 851 5 696 1 284	3.9 4.0 4.1 4.6 2.8	8 75 748 27 945 22 914 12 422	25.0 .7 1.2 1.2 2.7	(D) 41 351 29 674 25 924 6 621	(D) .7 .9 1.7 1.8	18 551 1 442 1 272 341	.7 3.2 6.0 6.0	62 806 16 768 18 105 8 305	.7 1.4 1.8 2.3	4 495 49 348 50 497 36 533 10 235	1.8 .4 .5 .6 1.3
Buncombe	20 161 5 858 12 797 5 726 661	1.4 2.3 1.8 3.1 5.2	475 (D) 4 051 562 8 196	9.1 (D) 5.4 18.4 5.4	625 2 329 3 498 960 13 756	23.7 4.7 5.4 4.9 1.0	(D) 204 3 437 452 7 788	(D) 33.5 3.1 8.3 1.6	360 5 285 842 22 609	19.1 4.4 5.5 1.5	19 307 16 756 29 744 9 441 10 174	.6 .4 .4 1.2 1.0
CarteretCaswellCatawbaChathamCherokee	(D) 7 687 13 595 27 222 4 324	(D) 3.1 2.1 1.2 3.1	882 3 951 2 551 12 559 465	10.3 2.8 7.8 2.1 20.1	12 078 1 942 2 328 2 891 903	.6 3.3 4.7 2.0 7.2	(D) 2 485 2 885 1 044	(D) 3.3 4.9 5.0	13 333 1 754 4 421 1 780 (D)	1.1 4.0 4.2 4.3 (D)	11 101 14 533 13 094 88 302 10 794	.4 1.3 .7 .2 .9
ChowanClayClevelandColumbusCraven	1 068 4 800 19 727 5 242 1 851	4.8 4.9 1.5 4.5 4.7	20 154 487 3 321 28 052 58 686	2.8 8.4 3.7 2.1 .5	8 681 177 888 32 842 18 756	1.9 10.9 4.1 1.0 1.0	1 229 5 623 1 729 3 217	1.5 - 3.3 5.4 2.3	7 719 - 7 046 32 135 23 357	2.6 - 3.5 1.3 1.3	16 145 6 056 32 341 50 716 37 605	.9 1.0 .4 .7 .5
Cumberland Currituck Dare Davidson Davie	4 240 319 17 371 18 292	7.0 6.3 1.7 1.2	29 074 22 841 9 368 7 200	2.0 1.2 - 3.9 5.8	14 159 9 892 (D) 5 491 3 742	1.8 .9 (D) 2.2 2.6	4 155 6 180 (D) 3 048 2 909	2.8 1.1 (D) 2.8 2.4	20 958 19 016 (D) 3 701 3 648	1.9 1.2 (D) 3.2 1.4	23 685 12 499 (D) 16 572 17 661	.9 .5 (D) 1.0 1.0
Duplin Durham Edgecombe Forsyth Franklin	5 780 1 876 2 855 7 787 8 183	3.3 6.2 2.3 2.1 2.0	275 705 340 48 988 246 17 780	.3 12.8 .5 6.8 2.1	46 811 569 31 044 2 161 2 976	1.0 8.5 .6 3.4 4.8	8 075 532 7 538 789 5 072	2.5 5.3 1.0 5.6 3.8	40 785 646 26 000 1 231 14 030	1.2 11.0 .8 4.4 2.4	214 865 3 734 56 237 8 139 39 051	.2 3.2 .3 1.0 .5
Gaston Gates Graham Granville Greene	8 480 1 291 953 11 515 1 177	1.7 7.6 4.8 1.9 8.7	1 513 23 121 (D) 7 201 185 566	2.7 1.5 (D) 3.0 .2	364 15 592 41 1 631 33 066	4.9 .9 10.6 2.8 1.0	923 933 2 870 3 713	9.6 4.4 - 2.4 2.4	957 12 682 - 3 179 18 020	6.3 .9 - 2.4 1.3	7 291 20 610 (D) 24 798 81 125	.6 .5 (D) .8 .3
Guilford	16 673 11 928 8 181 17 932 10 552	1.4 1.9 2.5 1.1 1.6	7 521 71 455 22 600 (D) 211	3.3 .5 1.3 (D) 22.1	7 063 23 171 10 090 258 5 071	2.1 1.1 1.6 4.6 2.1	6 585 5 283 3 819	2.1 2.0 2.4 - -	6 758 20 572 24 080 (D)	2.5 1.3 1.1 (D)	27 700 69 635 38 120 12 054 34 606	.5 .2 .6 .7 .6
Hertford Hoke Hyde Iredell Jackson	627 1 673 780 38 687 2 256	3.8 7.7 3.4 1.0 4.4	10 202 8 239 15 817 3 514 69	1.6 1.3 2.6 2.3 22.0	13 221 8 213 30 417 3 784 595	1.5 1.0 .8 3.1 2.0	1 565 5 883 11 687 3 330	1.9 2.8 1.1 3.7	8 937 20 004 39 624 4 171	1.7 1.8 .8 3.8	24 654 24 560 19 384 56 665 1 851	.6 .5 .5 .5 2.0

Table F. Reliability Estimates of County Totals: 1987—Con.

	Cattle and calves inventory		Hogs and pig	s inventory	Corn for grai	n or seed	Wheat fo	r grain	Soybeans f	or beans	Market value of agricultural products sold		
Geographic area	Total (number)	Relative standard error of estimate (percent)	Total (number)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Total (acres)	Relative standard error of estimate (percent)	Totai (\$1,000)	Relative standard error of estimate (percent)	
Johnston Jones Lee Lenoir Lincoln	12 403 1 371 2 988 2 683 11 375	1.6 3.0 3.1 3.9 2.0	71 397 9 420 2 310 54 881 4 589	.7 1.2 4.1 .7 4.4	24 969 15 654 886 38 881 2 491	.9 1.4 3.8 .7 5.3	9 179 724 284 4 903 2 216	1.1 2.8 7.8 1.4 5.2	41 262 14 021 3 668 27 235 4 308	.9 1.4 5.6 .8 4.5	82 298 15 512 13 046 65 163 13 407	.3 .7 1.0 .3 1.0	
McDowell Macon Madison Martin Mecklenburg	3 580 5 131 10 909 3 848 9 203	2.3 2.7 1.8 5.3 1.9	2 959 964 98 26 167 190	3.0 2.3 11.7 1.2 17.9	1 352 242 324 26 336 413	4.7 7.3 4.7 .6 9.3	(D) 3 444 1 229	(D) - 2.1 6.7	352 - 20 854 648	7.8 - - .9 15.8	4 362 4 457 7 862 47 001 25 227	.9 1.9 1.2 .4 .3	
Mitchell Montgomery Moore Nash New Hanover	2 364 3 702 6 022 7 466 (D)	2.8 3.2 2.2 2.9 (D)	92 14 090 36 576 43 714 92	8.5 .2 .3 .3 26.5	104 1 756 2 100 11 675 1 023	8.5 4.7 2.0 .8 9.5	961 859 8 487 (D)	8.6 1.6 1.3 (D)	1 501 1 651 24 930 796	5.9 11.3 .8 9.4	1 963 21 500 62 858 112 707 1 643	1.8 .5 .3 .2 3.7	
Northampton Onslow Orange Pamilico Pasquotank	2 410 1 456 15 793 (D) 723	4.1 3.9 1.1 (D) 11.6	34 928 56 401 7 889 4 744 8 145	1.0 .6 .7 1.9 2.6	15 819 12 138 1 508 8 397 20 039	.9 1.3 2.7 1.5 1.5	5 532 1 220 3 587 5 400 15 568	.9 2.7 3.5 2.2 1.8	15 743 13 320 1 783 15 244 37 553	1.3 2.1 7.8 1.0 1.3	53 974 30 412 20 316 11 997 22 302	.3 .5 .6 .4 .7	
Pender Perquimans Person Pitt Polk	1 014 1 695 6 751 3 987 3 003	5.1 7.5 2.3 5.4 1.9	18 970 23 833 14 897 110 176 (D)	1.6 2.6 1.1 .2 (D)	11 012 19 691 5 617 44 704 97	2.1 2.1 2.0 .6 4.8	1 303 6 203 7 632 9 890 301	5.8 2.7 3.9 1.9 17.3	13 541 29 191 4 025 51 955 182	2.3 1.9 2.2 .8 8.5	26 727 19 849 18 811 99 593 3 881	.6 .9 .8 .2	
Randolph Richmond Robeson Rockingham Rowan	29 983 2 222 3 775 8 820 23 021	1.0 5.7 4.5 2.2 .9	17 476 10 747 64 379 924 2 532	2.3 2.2 .9 6.2 5.3	8 080 3 593 54 245 2 676 3 390	2.8 8.0 .6 2.3 2.8	6 185 2 467 19 896 5 140 5 220	4.3 9.3 1.2 2.2 2.6	6 054 4 057 81 613 4 820 6 234	3.2 5.0 .8 3.2 2.9	87 738 22 117 72 630 23 059 28 689	.3 .6 .4 .9	
RutherfordSampsonScotlandStanlyStokes	8 460 9 686 618 13 895 7 956	1.5 1.4 9.5 2.0 1.6	2 619 451 274 26 990 6 139 2 338	2.7 .2 1.2 2.9 1.6	953 44 916 5 267 12 860 2 047	7.5 .6 2.7 1.7 3.4	414 10 667 2 059 9 208 693	4.7 1.6 4.7 2.6 5.3	1 080 56 294 13 740 21 299 898	5.2 .7 1.9 2.1 6.2	5 333 187 333 25 129 36 985 16 366	1.7 .1 .5 .3	
SurrySwain Swain Transylvania Tyrrell Union	21 225 1 034 3 243 373 16 629	1.3 2.6 5.4 9.2 2.2	4 341 (D) 565 51 242 30 818	4.6 (D) 22.7 .4 .9	6 536 35 508 19 842 20 491	2.1 7.3 9.3 .6 1.5	1 829 - 7 416 21 081	4.5 - - .4 1.1	5 355 - 23 297 49 540	3.0 - - .7 1.1	44 902 2 048 4 292 19 677 170 687	.6 1.9 1.8 .3	
Vance Wake Warren Washington Watauga	2 771 10 069 7 644 2 024 9 800	3.9 2.1 2.4 4.8 2.0	(D) 12 641 10 364 107 397 (D)	(D) 1.6 2.4 .3 (D)	336 2 658 1 568 31 361 211	7.7 3.2 2.1 1.0 12.5	2 191 3 817 1 890 17 399 (D)	2.8 2.3 1.8 1.0 (D)	7 209 14 667 6 078 37 967	2.5 2.9 2.6 1.1	14 572 48 375 16 824 54 705 8 496	1.0 .5 .8 .3 1.5	
Wayne Wilkes Wilson Yadkin Yancey	6 003 23 594 2 101 16 671 4 731	2.5 1.2 6.2 1.5 2.1	91 977 2 592 27 930 3 984 35	.4 7.9 .3 3.7 9.2	38 737 4 431 27 279 9 163 154	.8 2.1 .9 2.0 7.6	14 531 303 8 449 4 708 (D)	2.2 9.0 1.3 3.6 (D)	43 407 810 26 319 9 293	1.0 5.2 1.0 2.0	134 006 132 337 69 558 32 575 4 441	.2 .2 .4 .6	

Selected farn	production	expenses1
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				S	selected farm pro	duction expenses	;1				
Geographic area		and poultry nased	Commerci	al fertilizer	Hired fa	rm labor	Petroleum	n products	Electricity for the farm business		
decigrapino deci	Total (\$1,000)	Relative standard error of estimate (percent)	Total (\$1,000)	Relative standard error of estimate (percent)							
Alamance Alexander Alleghany Anson Ashe	1 861	6.0	1 313	4.7	2 174	5.2	1 248	9.4	533	5.4	
	3 489	7.8	906	10.5	1 164	3.8	758	3.8	504	5.9	
	1 746	16.6	665	6.4	921	9.0	614	7.7	287	6.6	
	4 244	1.1	718	5.9	2 801	.6	690	6.7	544	2.6	
	2 279	10.8	572	6.8	628	5.5	625	6.8	162	10.9	
Avery	83	41.0	205	10.5	444	8.8	257	12.1	59	20.3	
	2 024	3.5	4 330	3.3	4 823	2.3	2 790	3.3	732	3.6	
	3 523	3.3	3 231	3.6	3 106	4.1	2 276	3.7	690	4.3	
	1 778	.6	2 543	4.4	3 824	8.7	1 896	7.6	476	10.7	
	597	4.4	895	20.3	1 081	14.3	924	13.5	200	11.8	
Buncombe	996	10.1	1 169	12.4	2 543	6.8	880	5.1	313	6.1	
Burke	3 568	1.7	404	12.0	1 699	.5	449	7.3	186	9.0	
Cabarrus	2 055	5.9	1 035	16.5	1 415	6.0	679	8.0	308	7.4	
Caldwell	757	3.7	353	6.8	876	20.0	339	10.7	159	18.5	
Camden	404	7.8	1 568	1.7	995	2.8	528	5.9	76	4.2	
Carteret	(D)	(D)	1 586	3.7	1 771	4.6	689	5.8	164	8.4	
	251	8.4	1 265	5.7	1 472	8.3	1 495	5.6	322	7.6	
	1 321	3.1	901	7.6	1 275	7.2	432	5.8	209	7.6	
	17 868	2.6	1 170	9.8	4 498	1.6	1 315	4.0	820	2.7	
	1 443	9.2	185	12.2	718	1.8	235	7.3	155	4.9	

Table F. Reliability Estimates of County Totals: 1987—Con.

		see introductory te		S	elected farm pro	duction expenses	31			
Coornetis area	Livestock purch	and poultry nased	Commerci	al fertilizer	Hired fa	rm labor	Petroleun	products	Electricity for th	e farm business
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)	Total (\$1,000)	Relative standard error of estimate (percent)
Chowan Clay Cleveland Columbus Craven	459	4.9	1 568	6.4	1 481	3.8	851	2.7	218	7.7
	1 349	.6	225	14.0	331	4.1	205	20.2	106	13.0
	3 652	3.4	1 203	6.2	1 839	6.8	1 257	2.0	441	3.8
	1 486	11.7	5 079	4.3	4 274	3.4	3 740	4.0	901	4.9
	2 475	1.2	2 287	5.0	3 990	5.5	1 773	5.7	585	13.8
Cumberland	1 636 2 141 - 1 113 1 232	9.7 1.3 - 15.5 4.9	2 214 1 179 (D) 1 482 1 137	5.1 2.9 (D) 8.1 7.9	1 777 1 531 (D) 1 438 1 035	2.7 3.8 (D) 15.0 7.7	1 256 490 25 1 043 662	4.1 4.9 6.3 7.4	374 102 (D) 376 383	4.4 7.9 (D) 11.3 14.8
Duplin	30 451	.8	5 855	4.3	11 696	2.5	6 157	1.8	2 354	2.0
	54	44.6	324	9.8	501	21.2	371	13.7	125	17.1
	1 952	1.1	3 967	1.7	6 285	2.6	2 912	3.0	1 072	2.1
	442	19.9	705	9.4	670	14.0	733	8.5	248	8.7
	2 522	3.9	1 793	4.5	3 360	2.7	2 066	4.3	538	4.3
Gaston	288	6.2	500	12.8	695	11.8	337	12.0	163	5.5
Gates	1 580	1.4	1 613	3.8	1 073	2.5	886	3.8	225	4.1
Graham	30	34.5	52	14.4	25	17.8	32	9.8	8	29.3
Granville	1 239	17.0	1 395	5.4	3 501	7.2	1 954	6.0	457	6.6
Greene	8 370	.4	3 239	5.5	7 013	2.6	2 564	3.5	1 082	2.4
Guilford Halifax Halifax Harnett Haywood Henderson	1 434	8.3	2 078	5.2	2 825	4.0	2 014	4.6	650	6.0
	6 914	1.0	4 191	2.1	6 678	1.3	2 901	2.1	1 065	2.4
	485	10.6	3 288	4.3	3 520	6.2	2 627	4.4	809	5.1
	435	11.9	598	6.6	1 411	10.7	529	10.3	198	6.6
	1 131	27.5	1 324	12.8	6 089	4.1	1 659	4.8	626	7.7
Hertford Hoke Hyde Iredell Jackson	1 205	.6	1 837	8.3	2 262	10.4	1 241	8.3	329	3.9
	(D)	(D)	1 280	3.0	2 648	3.0	945	6.7	304	3.0
	806	.2	2 425	2.2	1 642	2.3	1 184	2.2	191	2.6
	7 449	3.1	2 475	6.0	2 962	3.9	1 404	4.8	950	5.5
	(D)	(D)	(D)	(D)	(D)	(D)	115	13.4	26	22.5
Johnston	2 606	6.3	6 488	4.2	8 700	3.8	5 083	3.9	1 503	4.1
Jones	385	11.8	1 617	4.0	1 512	7.9	1 098	8.2	236	5.9
Lee	2 225	4.1	651	7.0	990	7.0	688	7.4	206	9.6
Lenoir	4 704	.6	4 008	3.2	5 661	2.5	3 288	4.2	1 042	2.1
Lincoin	954	14.4	970	8.4	1 054	2.9	548	7.2	202	14.6
McDowell Macon Madison Martin Mecklenburg	232	5.6	267	18.5	251	1.3	120	9.9	47	3.6
	186	20.0	227	11.3	377	2.9	139	9.6	47	7.4
	312	36.5	716	10.2	366	15.3	436	6.8	92	23.8
	1 557	.6	3 496	2.8	3 584	2.9	2 711	2.6	772	3.3
	225	15.0	387	7.4	5 344	.2	1 707	2.9	375	2.9
Mitchell	114	32.1	150	13.6	191	37.3	111	14.8	19	27.4
	3 702	3.3	405	8.9	1 467	3.6	397	6.4	245	4.9
	5 505	2.3	1 028	8.7	2 641	4.1	1 648	5.9	731	4.3
	7 999	2.5	3 645	3.4	10 575	1.8	3 739	2.3	1 423	1.8
	15	(Z)	105	(Z)	370	(Z)	96	(Z)	40	(Z)
Northampton Onslow Orange Pamlico Pasquotank	10 863	1.3	3 120	3.8	4 295	2.7	2 308	3.8	699	3.4
	2 618	.4	1 699	5.3	2 809	4.9	1 328	6.7	397	4.6
	1 396	6.2	1 549	12.5	2 514	8.3	1 160	6.6	516	5.4
	315	.2	1 453	1.7	1 852	.9	609	2.2	125	3.5
	(D)	(D)	3 126	6.3	2 275	3.6	1 477	4.8	(D)	(D)
Pender	1 692	4.3	1 373	5.5	3 108	3.3	1 050	5.7	352	5.9
Perquimans	1 040	6.7	1 964	9.1	914	1.9	806	4.7	(D)	(D)
Person	907	29.9	1 236	6.4	1 913	9.3	1 527	5.6	404	6.5
Pitt	4 810	.5	5 517	2.9	10 103	2.3	4 419	3.0	1 625	2.3
Polk	381	11.8	254	11.6	303	5.5	146	9.8	55	4.9
Randolph	11 820	2.7	1 841	8.7	4 714	6.5	1 777	5.3	1 155	3.5
	3 295	3.5	666	8.9	1 803	1.4	615	6.3	274	3.6
	801	13.0	6 833	3.6	6 919	3.6	4 686	3.2	1 134	3.5
	282	27.8	1 696	6.4	2 548	9.5	2 144	4.7	456	6.3
	1 878	13.0	1 620	4.7	3 020	3.9	1 061	3.2	539	4.3
RutherfordSampsonScotlandStanlyStokes	540	5.6	573	13.2	171	10.8	280	11.9	83	14.0
	15 094	.8	7 345	2.8	16 284	1.8	5 457	2.1	2 536	1.5
	(D)	(D)	1 028	4.0	2 411	1.3	723	2.1	210	2.0
	4 068	2.5	1 984	10.0	1 310	5.8	1 082	4.2	293	3.2
	846	6.7	1 113	5.7	1 164	8.9	1 561	4.7	326	6.2
SurrySwain Transylvania TyrrellUnion	5 881 362 332 948 28 472	4.1 (Z) 18.9 .4 .5	2 374 49 195 2 005 3 078	5.8 (Z) 28.9 1.5 10.7	2 981 236 442 1 583 7 822	5:2 - 4.8 2.5 7.0	2 215 41 127 638 2 804	6.0 21.9 3.0 2.9	714 14 35 150 1 242	4.2 - 12.5 1.8 2.6
Vance	116 807 1 280 7 523 851	2.3 5.7 1.2 .7 16.9	961 2 778 982 3 230 423	10.9 4.5 12.7 3.0 8.9	2 307 7 367 1 822 4 432 357	7.9 2.2 7.2 1.2 19.2	1 426 3 188 1 051 1 455 301	10.9 4.5 7.8 3.5 10.9	423 86	14.1 5.4 5.3 5.6 17.4
Wayne	17 930	1.2	4 934	3.2	8 224	2.2	3 948	3.0	1 685	3.1
Wilkes	16 876	1.9	838	6.8	5 525	2.9	2 405	3.4	1 318	2.7
Wilson	7 208	.4	4 344	3.8	7 433	2.5	3 328	3.0	919	3.2
Yadkin	2 993	10.0	2 174	9.4	1 816	6.1	1 487	6.5	497	5.6
Yancey	188	29.3	307	11.1	177	13.6	194	12.0	47	10.1

<sup>&</sup>lt;sup>1</sup>Data are based on a sample of farms.

Table G. State Coverage Evaluation Estimates of Farms Not on the Mail List: 1987

[Data are based on a sample of farms; see text. For meaning of abbreviations and symbols, see introductory text]

	Not on	mail list	Percent no	t on mail list
ltern	Total number	Relative standard error of estimate (percent)	Total percent	Standard error of percent
Farmsnumber Land in farmsacres	7 502 449 557	8.4 29.9	11.2 4.5	.9 1.4
Farms by size: Less than 50 acres	5 031 2 472	12.5 1.5	17.7 6.4	2.2
Harvested cropland	3 283 60 527	22.6 45.6	6.1 1.6	1.4 .7
Farms by value of sales:  Less than \$2,500 farms. \$2,500 or more farms. \$2,500 to \$9,999 farms. \$10,000 or more farms.	6 024 1 478 (S) (S)	10.3 6.3 (S) (S)	26.4 3.4 (S) (S)	2.7 .2 (S) (S)
Market value of agricultural products sold \$1,000	14 760	61.7	.4	.3
Farms by standard industrial classification:  Crops (01)	3 067 4 435	3.4 14.1	8.2 15.1	.3 2.1
Farms by tenure of operator: Full owners	5 342 2 160	11.8 1.7	13.4 8.1	1.6
Operators by principal occupation:  Farming	917 6 586	1.2 9.5	2.9 18.7	(Z) 1.8
Average age of operatoryears	49.3	(Z)	(X)	(X)

Note 1: Farms classified as nonfarms, nonfarms classified as farms, and farms appearing more than once in the census are not accounted for in these estimates, but will be provided in the 1987 Coverage Evaluation publication. See appendix C for futher explanation.

Note 2: Detail may not add to total due to rounding.

# APPENDIX D. Report Form and Information Sheet

		BRUARY 1, 198	8											ОМЕ	No. 0807-053	4: Approval Expire	s Septer	nber 30, 1989
FO (8)	RM <b>87-</b> / 18-86)	0204			DEPARTME			NOTICE — R THE CENSUS only for statis	BUR!	EAU IS CONI	FIDENTIAL. It ur report CAN	may b	e seen or e used foi	nly by s purpos	worn Censu es of taxati	is employees : on, investigati	OUR R and m on, or	EPORT TO ay be used regulation.
			4	C	ED ST	IS		In correspond									N)	
0270	A.	CENSUS USA	0	F AG	RICU	LTUF	RE	-	_						٤	37-A0204		
0	east co im and	mplete this RETURN TO	1201	East Ter	THE CENS nth Street , IN 47											'		
9	ised. If y ent to	if your records ar ou cannot file by the above addre (CFN) as shown	February sess. Includ	, a time e your '	extension 12-charac	request ter Cens	may be											
, o	eport fo ensus Fil nd return our comp	ved more than one m, enter extra e Number(s) here extra copies with leted report.	A A 0038	037	-	1038												
l t	ENSUS ISE INLY		040	041		042		Please co	rrect	errors in nam	ne, address, a	nd ZIP (	Code. EN	ITER str	eet and num	nber if not sho	wn.	
S	ECTION s	by you, yo organization REGARDLI	ur spouse, on for whic ESS OF LO	or by the h you ar CATION	e partners e reportin I OR USE	ship, cor g. Includ — cropia	poration de ALL L and,	n, or .AND,	Us and	e section 7 d section 8	to report 0 , DO NOT I	NCLU	those Cl DE crop	ROPS os grov	NOT liste vn on lan	propriate se d in section d rented to d	s 2 th	rough 6 s.
	If the a	pasturelan cres you operate			•		ouse lot	s, etc.	্র	CTION 25	Were any of in 1987?	of the f	ollowing	CROP	S harveste	d from "THIS	PLA	CE"
	refer to	the INFORMAT	ION SHEE	r, section	n 1.	year,		lumber of acres	١,	S2		None	Acr harve		Quantity	harvested		Acres rigated
1	. Ali land	l owned	· · · · · · · · ·	• • • • • •	<del></del> .	• • • • • • •			l ''	Corn (field). seed (Report dry shelled-w	t quantity on a reight basis.)					Bu.		
2	by you	rented or leased for shares, used re	ent free, in e	xchange	for service:	s,	٥٠	44	2.	Corn (field) or green ch	for silage		070		071	Tons, green	072	
	land. (D	nt of taxes, etc. In O NOT include lar permit.) Also con	nd used on a	per-head	d basis und	era .			3.	. Soybeans	for beans		656	- 1	089 657	Bu.	658	
3.	. All land	rented or leased l by others and land	TO OTHERS subleased.	, including Also con	g land wor	ked on 6 below.	. 🗆 📴	45	4.	. Peanuts fo	r dry nuts			{		OR — _ Lbs. Tons		
4	Acres	in "THIS PLA	<b>\CE"</b> — A	DD acres	s owned (	item 1)		048	5.	Wheat for	grain		073		074	Bu.	075	
		res rented (item HERS (item 3), a					<b>→ b</b>			-	ain		079		080	Bu.	081	
		s <b>census report t</b> ntry is zero pleas						T			grain	$\overline{}$	091		092	Bu. Bales	093	
5		nted land FROM O							۱	Carabana fa	i		082	1	083	OR	084	
		Name of landlord	- M	ailing add	iress (Inclu	de ZIP Co	oae) N	lumber of acres	9.	Sorghum for seed			094		095	Cwt.	096	- 1
											all types	_	097	/10	098	Lbs.	099	/10
	List addi	tional landlords on a	Separate she	t of paper.							rish	_	100	/10	101	Cwt.	102	/10
6.	If you re	ented land TO OTH				ng inform	ation for	each renter.		CTION 3	Was any D	RY HA	Y, GRAS	SSILA	GE, HAYL	AGE, or GRE	EN CI	IOP cut
		Name of renter	M	ailing add	ress (Inclu	de ZIP Co	ode) N	umber of acres		62 F	_	rghum	-eudan c	rossas	and hay c	st from pastu		
										If cuttings w	ere made for b	oth dry	hav and a	rass sila	ge. havlage.	O — Go to se or green chop	ction -	4
	150000									HAY and also	ne fields, repor o under GRAS:	SILAG	E, HAYLA	GE, and	GREEN CH	DP.		
	a.Of the	eional renters on a se e land you rented did you own?	or leased to	others, h			053	Acres	1.	hav were m	Y (if two or made from the ince, but repo	same a	cres. repo	ert e all	Acres harvested	Quantity harveste (Report either or green weig, indicated)	d drv	Acres irrigated
7.	Did you o54	have any grazing p	ermits on a p	er-head ba		Forest S	Service				nd alfalfa mi: lehydrating .			· 1	03	104	fons, iry	106
	1 🗆 Y	es – Mark (X) all	boxes whic	h apply .		Taylor (		Sec. 3 (BLM)			ain hay — oa ye, etc				OB	] (	ons, iry	108
	2 🔲 N	- Go to item 8				Other -	-	fγ		c. Other tar	me dry hay - fescue, Ben	- clove nuda g	er, lesped grass,	eza,	O9	110	ons,	111
8.		ON OF AGRICULT		VITY FO	R "THIS P	LACE"				_	ass, etc			1	12	113	ons,	114
	large	at county was the	Princip		County na	me		lumber of acres	2.	<b>d.</b> Wild hay GRASS SI	LAGE, HAY	LAGE	, AND	r			iry	
		ultural products I or produced?					0			GREEN C	HOP (If two from the sam ince, but repo	or more e acres	cuttings , report	i	15	116	fons,	117
	opera	also had agricultur	Other	-				58	3.	all cuttings. HAY SOI	) L <b>D</b> — Didy	 ou sel	il any ha	· · · [.	18		reen	
	coun	y(ies), enter the y name(s), etc		es (	-		01	59	<u> </u>	or grass s of hay sold i	ilage in 19 n section 9, it	37? (R em 4)	eport valu	Je	ı 🗌 Yes	2 🗌 N	٥	

	E from			ET CORN, R 1987? <i>(Do r</i>					SECTION 6 West	re any S HIS PLA	TRAV	VBERRIES or O'n 1987? <i>(Do no</i>	THER BERRIES herves tinclude those grown	ted FOR SALE for home use.)	from
54	e use.)								S6						
1	YES		•	is section				ı	1	YES	. –	Complete this	section .		
. 2	NO	— Go te	o section						2 [	□ NO	_	Go to section 7			
				Whole scre			es irrigated ecres   Tent	he I		-	T A-	res harvested	Г	Acres irrig	nated.
Land from which vehicles to the harvested in 198.				375		376	-	10	Crop name	Code		le acres Tenths		Whole acres	
2. From the list below	, enter	the crop na	eme and		ch crop h	arvested in	1987.	~	Strawberries	536		/10	637 Lbs	638	/10
If more than one ve each crop. Report	egetabli crops g	e crop was rown unde	harvest r protec	ed from the tion in section	same acr on 5.	es, report a	acres for	ı	Blackberries and		1		510	511	
Сгор па			Code	Acres ha	arvested		s irrigated	7	dewberries	509		i /10	Lbs	514	/10
Cucumbers and pickl	es		411	<b> </b>		10 412		10	Blueberries, tame	512	<u> </u>	1 /10	Lbs	535	/10
Watermelons			473	-	i	10		10	Raspberries	533	<u> </u>	/10	Lbs	<u> </u>	/10
				<del> </del>	T-	10	1 -	10	Other berries – Specify	539		1	540	541	
				<del>  -</del>		10		10 10	·			/10	Lbs	] !	/10
				<del>                                     </del>	1	10	1	10 10	If more space is needed,	~		sheet of paper.		··	
If more space is needed, u													ted from "THIS PLAC		
Crop name Asperagus	Co. 37	9 Lettuc	e and ro	maine 42	27 I So	op name uthern peas	Co.	de				s, popcom, sun t fruit in section	flowers, or other crops 8.)	· HOT DECALORS!	7
Beans, snap (bush and pole)	38	1 Lima t Musta	eans, g rd green	reen 4 5 4	29   g: 31   bi	reen (cowpe lackeved, c	eas) – rowder.		1 [	YES	. –	Complete this	section		
Broccoli	38	3   Onions	s, dry s, gr <del>ee</del> n	4:	33   e1 35 Spi	tc inach	40	7	2	ОИ		Go to section 8			
Cabbage, head Cantaloups and	39	1 Okra Peas, 1	English,	green	37   Sq . Sw	uash, all ty: reet corn .	pes 45	:					and code from the list	below.	
muskmelons	39	7 . south	hern pea	de green s) 40 rt 40	41 , Tu	rnips	46	55 L	Report quantity harve						
Eggplant Honeydew melons	41	5 Pepper 3 Pimien	rs, hat	4	45   Od	her vegetab	46 les — 47	- 1	Crop name		Code	Acres harveste	·		igated
Kale	42	5 Pumpk	dns	4	49			إـــّ	Fescue seed		802		603 Lbs.	604	
	i, flowe	ers, flower	seeds, v	regetable se	eds and p	lants, vege	etables unde		Popcorn		662		663 Lbs.		
glass	or oth	er protectio	on, GRO	WN FOR SA							686		687	686	
		Com				Aren irria	nted	4	Rye for grain Sorghum for silage		200		Bu.	087	
2	NO	Go to	section	6 None	Square		cres   Tenth	hs	green chop (Do not include sorghum-sudan	1			Ton	s,	
1. Nursery and greeni	house o	crops irriga	ted in 1		477	478	/1	10	crosses)		085		gree 735		
2. From the list below	, enter	the crop na	me and	code for eac	ch crop gr	rown.		7	Sunflower seed		784		Lbs.		
_	T	Square		Acres in th		Salor	s in 1987	7					1	2	
Crop name	Code	under g other pro	otection	in 198				_1					i	2	
	<del> </del>	m 18	70 /	Whole acres	i - 1:	Dollar 2		_	——, · · · · · · · · · · · · · · · · · ·	$\neg \dagger$			1	2	
	+	+		1	/10	2	00	-1	If more space is needed,	, use a se	parate	sheet of paper.	J	1	
<del></del>	-	+		1	/10	2	00	_1	Coop name			Code	Crop name		Code
If more space is needed, u	se a sep	parate sheet	of paper.		/10	<u>*</u>	00	<u>-</u>	Bahia grass seed (pour	nds)	<u>.</u>	551 . 1	Crop name Red clover seed (pounds	s)	671
Crop name Bedding plants (Include	Vecetal	hie niantel	Code	Crop name		nte	Co		Corn cut for dry fodder or grazed (report acro Crimson clover seed ()	es only)		581 . !	Ryegress seed (pounds) Sorghum out for dry fora or hay (tons, dry)	ae	
Bedding plants (Include Bulbs (Exclude bulb flor Cut flowers and cut flo	rist are:	ens	482 485	Mushroom Sod harve	s		49	4	Dry southern peas (co Grains, mixed (bushels	wpeas)	(poun	ds) 584   5	or hay (tons, dry)	ed	701
Nursery crops — ornam and nut trees, and vin	entais,	fruit	488	Vegetable Greenhous	and flowe e vegetab	r seeds les	50 50	3	Lespedeza seed (pour Orchardgrass seed (po	nds) ounds).		653	freport scres only)  Sorghum for sirup (pound)		746
Foliage plants	• • • • •		707	Other — 5	Specify	<u></u> .		8	Proso millet (bushels)			665	Other crops (pounds) —	Specify	752
SECTION 8 Was					-RUIT TR	IEES, Inclu	ding GRAPI	EVI	NES and NUT TREES,	, en "TH	115 PL	ACE" in 1987?			
		- Com				_	Total ac	res	Acres irrigat	ed I					
1. TOTAL ACRES in					vineve	te V	Vhole acres	_	nths Whole acres To	enths					
and nut trees on thi	s place	. (Do not in	nclude a	bandoned ac	res.)			_	/10	/10					
2. For those crops not Report the requeste									ruit and nut trees on th lamage from hail, fros		in 19	87.			
		TREES	UMBER OR VINI	OF S OF —	Acres	in trees	I		Unit of measur Mark one	ге					
Crop name	Code	Nonbeari		Bearing		rines of ages	Quar harve		4	Lbs.	7				
	$oxed{oxed}$	age	124	age	Whole acr	es Tenths	126		Lbs. Tons Boxe	es per box	4	Crop name		Code 129	
Apples	123		225	1	227	/10	228		1 2 3 5 2 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		4	Cherries		047	
Peaches	225		340	1	341	/10			1 🔲 2 🖂 3 🗆	<u> </u>	4	Grapes Nectarines		177	
Pecans	339		340			/10	342		343 1 2 2 3 2		1	Pears Plums and	prunes	231 243	
			1		2	/10	3		1 2 3	] [	1	Other fruit	and nuts — Specify	369	
			],		2	/10	3		1 2 3	] [5					
					2	/10	3		10 20 30	] [5	]				
If more space is needed, us FORM 87-A0204 (8-18-86)	se e sep	arato sheet d	of paper.										·		
W							F	Page	2						

GROSS VALUE of CROPS SOLD from "THIS PLACE" in 1987, BEFORE taxes and expenses (Refer to the INFORMATION SHEET, section 9.)	SECTION 132 Did you or enyone else have any CATTLE or CALVES on this place in 1987?
Report your best estimate of the value for each of the following groups of crops sold	1 YES - Complete this section
from this place in 1987. Include the value of the landlord's and/or contractor's share, estimating if necessary. Include value of Government CCC loans.	2 NO — Go to section 14 INVENTORY Number on this
1 Grains southerne and other horne sold in 1987 None Dollars Cents	• DECEMBER 31, 1987 INVENTORY None place Dec. 31, 1987
a. Corn for grain	1. CATTLE AND CALVES of all ages (Total of a, b, c, and d below)
b. Wheat	a. BEEF COWS — Include beef heifers that
c. Soybeans	had calved
<b>d.</b> Sorghum for grain	b. MILK COWS kept for production of milk or
777 :	cream for sale or home use — <i>Include dry</i> milk cows and milk helfers that had calved
e. Barley \$ 00	808 Heifers and
f, Oats	c.HEIFERS AND HEIFER CALVES — (Do not include heifers that had calved.)
780	d. STEERS, STEER CALVES, BULLS, 807 Steers and builts of
2. Cotton and cottonseed	AND BULL CALVES
3. Tobacco	CATTLE AND CALVES SOLD
4. Hay, silage, field seeds, and grass seeds	FROM THIS PLACE IN 1987 Include those fed on this place on a Number sold Gross value of sales
5. Vegetables, sweet corn, and melons— (Do not include Irish potatoes and sweetpotatoes, report them in item 7 below.) 5	contract or custom basis. Also report as sold cattle moved from this place None in 1987 Dollars ICents
6. Fruits, nuts, and berries – apples, peaches, pecans,	to a feedlot for further feeding.
strawberries, etc	2. Calves weighing less than 500 pounds \$ 00
etc. (Do not include nursery and greenhouse crops.) —	3. Cattle, including calves weighing 500 pounds or more
Specify \$ 00	a . Of the total cattle sold, how many were
SECTION 10: How were the ACRES in this place USED in 1987?	FATTENED on this place on GRAIN or 812 813
1. Copy acres in "THIS PLACE" from section 1, item 4, page 1 Acres	CONCENTRATES for 30 days or more and SOLD for SLAUGHTER?
NOTE: For items 2 to 5 below, if land was used for more than one purpose in 1987	DAIRY PRODUCTS
report it in the FIRST land use listed below that applies. For example, report cropland harvested and also pastured, only as "Cropland harvested."	THIS PLACE IN 1987
2. CROPLAND None Number of acres	4. Gross value of sales of DAIRY PRODUCTS  None Dollars Cents  14
were harvested or hay was cut, and all land in orchards, citrus	from this place in 1987 — Include milk, cream, butter, etc.
groves, vineyards, and nursery and greenhouse crops.	SECTION 12 Did you or anyone else have any HOGS or PIGS on this place in 1987?
b. Cropland used only for pasture or grazing — Include rotation pasture and grazing land that could have been used for crops without additional improvements.	S14
700	.   VEC
c. Cropland used for cover crops, legumes, and soil-	1 YES — Complete this section INVENTORY
improvement grasses, but NOT harvested and NOT	2 NO Go to section 15 Number on this place Dec. 31, 1987
c. Cropland used for cover crops, legumes, and soli- improvement grasses, but NOT harvested and NOT pastured	2 NO — Go to section 15 Number on this place Dec. 31, 1987  • DECEMBER 31, 1987 INVENTORY  Number on this place Dec. 31, 1987
c. Cropland used for cover crops, legumes, and soli- improvement grasses, but NOT harvested and NOT pastured	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here lend in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2a.)  e. Cropland in cultivated summer fallow	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and soli- improvement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such screage is to be reported in item 2s.)  c. Cropland in cultivated summer fallow	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2a.)  e. Cropland in cultivated summer fallow  f. Cropland idle  793  794	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and soli- improvement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop felled. Such acreage is to be reported in item 2a.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — include all woodlots and timber tracts and critises and defensered land  784  785	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and soli- improvement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop felled. Such acreage is to be reported in item 2a.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — include all woodlots and timber tracts and cutover and deforested land with young timber growth.  b. Woodland not pastured	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such screage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and cutover and deforested land with young timber growth.  b. Woodland not pastured  795	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)  a. HOGS and PIGS used or to be used for BREEDING  b. OTHER HOGS and PIGS  • LITTERS FARROWED  2. LITTERS FARROWED on this place between — None Number of litters  a. December 1, 1986 and May 31, 1987  b. June 1, 1987 and November 30, 1987    Number on this place between — None Number of litters
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and cutover and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland,	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and soli- improvement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2a.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and curtover and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in Items 2 through 4 above.	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and soli- improvement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2a.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and curtover and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as items 1 above.)	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2a.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and with young timber growth.  4. Other pastureland and rangeland — Include any pestureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and soli- improvement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2a.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and curtover and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as items 1 above.)	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)   Total  a. HOGS and PIGS used or to be used for BREEDING   Breeding  b. OTHER HOGS and PIGS   Other  • LITTERS FARROWED  2. LITTERS FARROWED on this place between — None   Number of litters  a. December 1, 1986 and May 31, 1987   Bis  b. June 1, 1987 and November 30, 1987   Bis  • HOGS AND PIGS SOLD   None   Sold in 1987   Dollars   Cents    3. HOGS and PIGS SOLD from this place in 1987   Dollars   Cents    4. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding?   Bis   Dollars   Cents    Bis   Number on this place Dec. 31, 1987   Bis   Bis    In this place in this place between   None   Number of litters    Bis   Bis   Bis   Bis   Bis   Bis    Bis   Bis   Bis   Bis   Bis   Bis    Bis   Bis   Bis   Bis   Bis    Bis   Bis   Bis   Bis   Bis    Bis   Bis   Bis   Bis    Bis   Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis    Bis   Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2a.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and curvover and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)  Figure 1 and 1 and watered by any artificial or controlled means — sprinkters, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and curvover and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above. —  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)  FECTION Was any LAND in this place IRRIGATED at any time in 1987?  Irrigated land is all land watered by any artificial or controlled means — sprinklers, furrows or dirches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  Number of acres irrigated	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)   Total  a. HOGS and PIGS used or to be used for BREEDING   Breeding  b. OTHER HOGS and PIGS   Other  • LITTERS FARROWED  2. LITTERS FARROWED on this place between — None   Number of litters  a. December 1, 1986 and May 31, 1987   Bis  b. June 1, 1987 and November 30, 1987   Bis  • HOGS AND PIGS SOLD   None   Sold in 1987   Dollars   Cents    3. HOGS and PIGS SOLD from this place in 1987   Dollars   Cents    4. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding?   Bis   Dollars   Cents    Bis   Number on this place Dec. 31, 1987   Bis   Bis    In this place in this place between   None   Number of litters    Bis   Bis   Bis   Bis   Bis   Bis    Bis   Bis   Bis   Bis   Bis   Bis    Bis   Bis   Bis   Bis   Bis    Bis   Bis   Bis   Bis   Bis    Bis   Bis   Bis   Bis    Bis   Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis   Bis    Bis    Bis   Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis    Bis
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlors and timber tracts and curvover and deforested land with young timber growth.  4. Other pasturelend and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)  FECTION IN: Was any LAND in this place IRRIGATED at any time in 1987?  Irrigated land is all land watered by any artificial or controlled means — sprinklers, furrows or dirches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  S11  YES — Complete this section 2  NO — Go to section 12 None irrigated  1. How many acres of harvested land were irrigated?	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such screage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodland pastured — Pasture and cutover and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pestureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above. — Pastureland and reported in items 2 through 4 above. — Pastureland and reported in items 2 through 4 above. — Pastureland and reported in items 2 through 4 above. — Pastureland and reported in items 2 through 4 above. — Pastureland and reported in items 2 through 4 above. — Pastureland and reported in items 2 through 4 above. — Pastureland and reported in items 2 through 4 above. — Pastureland and reported in items 2 through 4 above. — Pastureland and reported in items 2 through 4 above. — Pastureland and reported in items 2 through 4 above. — Pastureland and reported in items 2 through 5 and 1 above. — Pastureland and 1	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)   Total  a. HOGS and PIGS used or to be used for BREEDING   B15  b. OTHER HOGS and PIGS   Other  • LITTERS FARROWED  2. LITTERS FARROWED on this place between — None Number of litters  a. December 1, 1986 and May 31, 1987   B15  b. June 1, 1987 and November 30, 1987   B19  • HOGS AND PIGS SOLD None   Sold in 1987   Dollars   Cents
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and curvover and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)  Figure 1 and 1 and woodland pasture in items 2 through 5 (Should be the same as item 1 above.)  Figure 2 and 1 and woodland pasture in items 2 through 5 (Should be the same as item 1 above.)  Figure 3 and 1 and woodland pasture in items 2 through 5 (Should be the same as item 1 above.)  Figure 4 and is all land watered by any artificial or controlled means — sprinklers, furrows or dirches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  S11	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)   Total  a. HOGS and PIGS used or to be used for BREEDING   Breeding  b. OTHER HOGS and PIGS   Other  • LITTERS FARROWED  2. LITTERS FARROWED on this place between — None Number of litters  a. December 1, 1986 and May 31, 1987   Sis  b. June 1, 1987 and November 30, 1987   Sis  • HOGS AND PIGS SOLD None  • HOGS AND PIGS SOLD from this place in 1987   Sis  conditions and PIGS SOLD from this place in 1987   Sis  b. June 1 on this place in 1987   Sis  conditions of the logs and pigs sold, how many were sold as FEEDER PIGS for further feeding?   Sis  conditions of the logs and pigs sold, how many were sold as FEEDER PIGS for further feeding?   Sis  conditions of this place in 1987?  Sis  conditions of this place in 1987?   NUMBER SOLD in 1987   NUMBER SOLD i
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and curvover and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)  FECTION Was any LAND in this place IRRIGATED at any time in 1987?  Irrigated land is all land watered by any artificial or controlled means — sprinklers, furrows or dirches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  S11 YES — Complete this section 2 NO — Go to section 12 None  1. How many acres of harvested land were irrigated?  Include land from which hay was cut and land in bearing and nonbearing fruit and mut crops reported in section 10, item 2s	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)   S16  a. HOGS and PIGS used or to be used for BREEDING   B17  • LITTERS FARROWED  2. LITTERS FARROWED on this place between — None   Number of litters   B18  a. December 1, 1986 and May 31, 1987   B18  b. June 1, 1987 and November 30, 1987   B19  • HOGS AND PIGS SOLD   None   S20  4. Of the hogs and pigs sold, how many were   sold as FEEDER PIGS for further feeding?   S22  4. Of the hogs and pigs sold, how many were   sold as FEEDER PIGS for further feeding?   S22  515   YES — Complete this section   2 NOMBER SOLD   In 1987  NUMBER SOLD   None   S24  NONE   NOMBER SOLD   In 1987  NUMBER SOLD   In 1987
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2a.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and curtover and deforasted land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)  Figure of land is all land watered by any artificial or controlled means — sprinklers, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  S11    YES — Complete this section   2	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)   Total  a. HOGS and PIGS used or to be used for BREEDING   B15  b. OTHER HOGS and PIGS   Other  • LITTERS FARROWED  2. LITTERS FARROWED on this place between — None   Number of litters   B16  a. December 1, 1986 and May 31, 1987   B19  b. June 1, 1987 and November 30, 1987   B19  • HOGS AND PIGS SOLD   None   S20  3. HOGS and PIGS SOLD from this place in 1987   Dollars   Cents   S20  4. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding?   B22  S20  S21  OUNDED   Did you or sayone else have any SHEEP or LAMBS on this place in 1987?  NUMBER SOLD   None   S15  I YES
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland dide  3. Woodland — Include all woodlots and timber tracts and with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)  1. Irrigated land is all land watered by any artificial or controlled means — spinklers, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  1. How many acres of harvested land were irrigated?  1. How many acres of harvested land were irrigated?  2. How many acres of pastureland, rangeland, and any other lands not included in item 1 above were irrigated?  3. Woodland on the place SET ASIDE, DIVERTED, OR IDLED under FEDERAL acreage reduction programs in 1987?	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)   Total  a. HOGS and PIGS used or to be used for BREEDING   Breeding b. OTHER HOGS and PIGS   Other  • LITTERS FARROWED  2. LITTERS FARROWED on this place between — None   Number of litters a. December 1, 1986 and May 31, 1987   Bis b. June 1, 1987 and November 30, 1987   Bis  • HOGS AND PIGS SOLD   None   Sold in 1987   Dollars   Cents
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland dile  3. Woodland — Include all woodlots and timber tracts and curover and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)  Firigated land is all land watered by any artificial or controlled means — spinklers, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  SII   YES — Complete this section 12   Number of acres irrigated?   Number of acres irrigated?    1. How many acres of harvested land were irrigated?   Number of acres irrigated?    2. How many acres of pastureland, rangeland, and any other lands not included in item 1 above were irrigated?   SECTION 12   Were any ACRES in this place SET ASIDE, DIVERTED, OR IDLED under FEDERAL acreage reduction programs in 1987?	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)   Glace Dec. 31, 1987  1. HOGS and PIGS used or to be used for BREEDING   Breeding   Bi
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlors and timber tracts and curvover and deforested land woodlors and timber tracts and curvover and deforested land with young timber growth.  4. Other pasturelend and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above. —  6. TOTAL ACRES — Add the acres reported in items 2 through 5 [Should be the same as item 1 above.]  Firigated land is all land watered by any artificial or controlled means — spinklers, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  STI   YES — Complete this section   None   Number of acres irrigated   Include land from which hay was cut and land in bearing and nonbearing fruit and mut crops reported in section 10, item 2s. —      1. How many acres of harvested land were irrigated?	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)   Total  a. HOGS and PIGS used or to be used for BREEDING   B17  b. OTHER HOGS and PIGS   Other  • LITTERS FARROWED  2. LITTERS FARROWED on this place between — None   Number of litters   B19  b. June 1, 1986 and May 31, 1987   B19  b. June 1, 1987 and November 30, 1987   B19  4. Of the hogs and PIGS SOLD from this place in 1987   Dollars   Cents   Sold in 1987   Dollars   Cents   Sold in 1987   Dollars   Cents   Sold as FEEDER PIGS for further feeding?   B22   B23   OU  SECTIONALS   Did you or anyone else have any SHEEP or LAMBS on this place in 1987?  1. SHEEP and LAMBS of all ages   B25   B26
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland dide  3. Woodland — Include all woodlots and timber tracts and with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)  Firigated land is all land watered by any artificial or controlled means — spinklers, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  SII   YES — Complete this section 12   Number of acres irrigated? Include land from which hay was cut and land in bearing and nonbearing fruit and mut crops reported in section 10, item 2s.    1. How many acres of pastureland, rangeland, and any other lands not included in item 1 above were irrigated?   SECTION 12   Were any ACRES in this place SET ASIDE, DIVERTED, OR IDLED under FEDERAL acreage reduction programs in 1987?  1.   YES — Complete this section 2   None   Number of acres irrigated?   None   Number of acres irrigated?   None   Number of acres irrigated?   None   Number of acres   Number of acres   Number of acr	2 NO — Go to section 15  • DECEMBER 31, 1987 INVENTORY  1. HOGS and PIGS of all ages (Total of a and b below)   Glace Dec. 31, 1987  1. HOGS and PIGS used or to be used for BREEDING   Breeding   Bi17
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland idle  3. Woodland — Include all woodlots and timber tracts and curaver and deforested land with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 [Should be the same as item 1 above.]  Firingsted land is all land watered by any artificial or controlled means — spinklers, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  SIT   YES — Complete this section   2   None   None   Include land from which hay was cut and land in bearing and nonbearing fruit and nut crops reported in section 10, item 2s.   Set    1. How many acres of pastureland, rangeland, and any other lands not included in item 1 above were irrigated?   Set   Se	PLOGS AND PIGS SOLD  HOGS AND PIGS SOLD From this place in 1987  1. HOGS and pigs SOLD None  1. HOGS and pigs SOLD None  1. HOGS and pigs sold, how many were sold as FEEDER Pigs for further feeding?  1. HOGS and pigs sold, how many were sold as FEEDER Pigs for further feeding?  1. SHEEP and LAMBS of all ages
c. Cropland used for cover crops, legumes, and solimprovement grasses, but NOT harvested and NOT pastured  d. Cropland on which all crops failed — (Exception: Do not report here land in orchards and vineyards on which the crop failed. Such acreage is to be reported in item 2s.)  e. Cropland in cultivated summer fallow  f. Cropland dide  3. Woodland — Include all woodlots and timber tracts and with young timber growth.  4. Other pastureland and rangeland — Include any pastureland other than cropland and woodland pasture.  5. All other land — Land in house lots, ponds, roads, wasteland, etc. — Include any land not reported in items 2 through 4 above.  6. TOTAL ACRES — Add the acres reported in items 2 through 5 (Should be the same as item 1 above.)  Firigated land is all land watered by any artificial or controlled means — spinklers, furrows or ditches, spreader dikes, etc. Include supplemental, partial, and preplant irrigation.  SII   YES — Complete this section 12   Number of acres irrigated? Include land from which hay was cut and land in bearing and nonbearing fruit and mut crops reported in section 10, item 2s.    1. How many acres of pastureland, rangeland, and any other lands not included in item 1 above were irrigated?   SECTION 12   Were any ACRES in this place SET ASIDE, DIVERTED, OR IDLED under FEDERAL acreage reduction programs in 1987?  1.   YES — Complete this section 2   None   Number of acres irrigated?   None   Number of acres irrigated?   None   Number of acres irrigated?   None   Number of acres   Number of acres   Number of acr	PAGE AND PIGS SOLD  1. HOGS and PIGS SOLD  2. LITTERS FARROWED  2. LITTERS FARROWED  3. HOGS and PIGS SOLD  4. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding?  4. Of the hogs and pigs sold, how many were sold as FEEDER PIGS for further feeding?  5. Total  5. Breeding  6. Total  6. Breeding  6. B

Page 3

şs	EGITION 16 Did you or anyo	ne else have any H OCK, or ANIMAL	ORSES, B	EES, FISH,	GOAT	S, n 1987?		SECTION 188 GOVERNMENT CCC LOANS	
	518	Complete this sec		□ NO	-		17	1. Amount received in 1987 from Government CCC loans for	_
1		INVENTORY	I		C			Include regular and reserve loans, even if redeemed or forfeited.	
1		Number on this place		entity sold 1987	<b></b>	s value of		a.Com	
1	None  Horses and ponies	Dec. 31, 1987	831		B32	ollars	Cents	<b>b.</b> Wheat	)
'	of all ages			Number	1		00	c.Soybeans	)
		839	840	Number	842		1	d. Sorghum, barley, and oats	)
١,	. Colonies of bees	ſ	841	Pounds	\$		00	e. Cotton	`
~			844	honey	K			891	
		843	845	Number	1>		!	f. Peanuts, rye, tobacco, and honey	<u>'</u>
3	. Milk goats			Gallons milk	\$		00	in 1987 (DO NOT INCLUDE CCC loans.) Refer to INFORMATION	
1		847	848	Number	850		į	SHEET, section 19. None Dollars Cen	ts
	. Angora goats	1	849	Pounds	\$		00	1. Amount received in cash	)
-	TANGOTO GOULAT	851	852	mohair	853			2. Value of certificates received — payment-in-kind (PIK)	
5	. Other goats			Number	\$		00	or commodity certificates	)
6	. Mules, burros, and	833	834		8.35		1	SECTION 202 TYPE OF ORGANIZATION	
	donkeys	836	837	Number	838		00	Mark (X) the one item which best describes the type of organization for	
7	Mink and their pelts			Number			00	this place in 1987. Refer to the INFORMATION SHEET, section 20.	
١.	Rabbits and their	854	855		856		00	FAMILY or INDIVIDUAL operation — 921	
١	pelts			Number	\$		00	(Do not include partnership and corporation.)	
9	All other livestock and livestock products	857	858		859		[	partnerships	
	Specify		1	Number			00	● INCORPORATED UNDER STATE LAW 3 ☐ Go to section 21	
		Total quantity	Gro	ss value o		7	100	OTHER, such as estate or trust, prison farm, grazing association, Indian reservation, etc	n
10	Fish and other aquaculture products (Enter name and	in 1987	SORG	Dollars	Cents	†		go to section 22	
	code from list below.)	Po	ounds 2		!	]		Specify	_
	Name Code	OH	mber \$		00			SECTION 21 CORPORATE STRUCTURE (for incorporated operations only) Refer to the INFORMATION SHEET, section 21.	
1		Code	Name			Code		S21	
1	Catfish		Other fish Other act	a — <i>Specify</i> seculture	· · · · · ·	866		1. Is this a family-held corporation?	
	If more space is needed, use a sepa			s — Specify					
8		ne else have any P( KS, etc., on this pi					•••	NEGOTIONICS OF SPACEFORMER AND OCCUPATION OF OPERATOR (Conics posture	_
	for others on a c	ontract basis.		INVENT				or person in charge) Refer to the INFORMATION SHEET, section 22.	
	517 1 ☐ YES —	Complete this se	ection	Numbe this pl	ron	Total nu sold in 1		1 RESIDENCE - Does the operator (senior partner or 923	
	2 🗌 NO ~	Go to section 18	None	Dec. 31,	1987	893		person in charge) live on this place?	
	HENS and PULLETS of laying		···· 🗆					2. PRINCIPAL OCCUPATION — At which occupation did the operator spend the majority (50 percent or 928	
2.	PULLETS for laying flock repl a.PULLETS 3 months old or old		- a	894	1	895		more) of his/her worktime in 1987? For partnerships consider all members of the partnership together	er
Ì	b.PULLET CHICKS and PULLE			696		}		or ranching	
l	(Do not include commercial br	oilers.)		<u> </u>		<u>'</u>		3. OFF- FARM WORK — How many days did the operator       None	
3.	BROILERS, fryers, and other including capons and roaste	meat-type chicke	ns 🗀	898	1	899		4 hours per day off this place in 1987? —include work	
4.	TURKEYS		· С.	900		901		at a nonfarm job, business, or on someone else's farm for pay. (Do not include exchange farmwork.).	
l	a.Turkeys for slaughter (Do n	ot include breeders.)		L				s ☐ 150-199 days	
l	b.Turkey HENS kept for bree	ding		902		903		s ☐ 200 days or more	
5.	OTHER POULTRY raised in ca							4. In what YEAR did the operator (or senior partner) begin	
1	geese, pigeons or squab, phe (Enter poultry name and code fro		•	1	- 1	1		to operate any part of this place? Year	
ł	Poultry name	Code						5. AGE of operator (senior partner or person in charge) Years old	
	Poultry name	Code			1	ī		924	
	Name Code	Manne	Code	1 Name	,	Cod	lo	1 ☐ White 2 ☐ Negro or Black	
	Ducks	Pigeons or squab Pheasants	908		ner poultr		2	a American Indian	
_	DOM TOWN IN TO USE IN I		-			<b>9</b> 14	•	6. RACE of operator (senior partner or person in charge) Asian or Pacific	
8.	POULTRY HATCHED on this pleaced or sold — chickens, turk		None	18	Numbe	er		Islander	
	Specify kind of poultry	<u> </u>	_ 🗆 🗀					□ Other ~ Specify	
7.	Incubator egg capacity on De	ecember 31 . 198		17				926	-
	- 40							7. SEX of operator (senior partner or person in charge) 1 Male 2 Fema	ale
,	What was the control of	don of Non		oss value o		Cents		8. SPANISH ORIGIN — Is the operator (senior partner	
ا <b>ه</b> .	What was the gross value of sa poultry and poultry products (e	ggs,	918	20.015	1			or person in charge) of Spanish origin or descent (Mexican, Puerto Rican, Cuban, or other Spanish)? 1 Yes 2 No	
	etc.) from this place in 1987?		\$			00		Pera 5	_

∦SE	PRODUCTION EXPENSES peid by you and off place in 1987	ners for	this		SECTION 252 Were any INSECTICIDES, HERBICIDES, FUNGICIDES, NEMATICIDES, OTHER PESTICIDES, or OTHER CHEMICALS used on this place in 1987?						
bu	clude your best estimates of expenses paid by you, your landle eyers, and others for production of crops, livestock, and other	agricult	ural products		1 TES — Complete this section 2 NO — Go to section 26						
in ot	1987. (DO NOT INCLUDE expenses connected with perform hers; operation of nonfarm activities, businesses, or services; spenses not related to the farm business.)	ing cus or hous	tomwork for sehold		Include any materials provided by you, your landlords, or contractors. For each item listed, report acres only once. If multipurpose chemicals were used, report acreage treated for each purpose.						
1.	Livestock and poultry purchased — cattle, calves, hogs, pigs, sheep, lambs, goats, horses, chicks, poults, started pullets, etc.	None	Dollars 971	Cents	1. Sprays, dusts, granules, fumigants, etc., (fungicide, herbicide, insecticide, nematicide) to control						
2	. Feed purchased for livestock and poultry — grein,	_	972	1	a. Insects on crops, including hay						
	hay, silage, mixed feeds, concentrates, etc		\$	00	c. Diseases in crops and orchards (blights,						
İ	complete, supplement, concentrates, premixes.				smuts, rusts, etc.)						
	(Do not include ingredients purchased separately, such as Pollars	Cents			d . Weeds, grass, or brush in crops and pasture — Include both pre-emergence and post emergence.						
ļ	soybean meal, cottonseed meal, and urea.)	00			2. Chemicals for defoliation or for growth control of crops or thinning of fruit						
ĺ	. Seed cost — for corn, other grains, soybeans, tobacco, cotton, etc. — Include plants and trees purchased		974 \$ 975	00	SECTION 20 MACHINERY AND EQUIPMENT on this place on December 31, 1887 — 520 Include only equipment used for agricultural operations in 1986 or 1987.						
4.	Commercial fertilizer purchased — all forms, including rock phosphate and gypsum. Include cost of custom applications.		\$	00	<ul> <li>Value of ALL machinery and equipment on this place, December 31, 1987</li> </ul>						
5	. Agricultural chemicals purchased — Insecticides, herbicides, fungicides, other pesticides, etc. — Include		976	:	What is the estimated market value of ALL machinery, equipment, and implements usually kept on this place						
_	cost of custom applications. (Do not include fime.)		\$	00	and used for the farm or ranch business? — Include cars, politers Cents						
8	. Gasoline and other petroleum fuel and oil purchased for the farm business —	_	977	1	pumps, motors, irrigation equipment, dairy equipment including ! milkers and bulk tenks, livestock feeders, grinding and mixing !						
	a. Gasoline and gasohol		978	00	equipment, etc\$ 100						
	<b>b.</b> Diesel fuel		979	00	SELECTED machinery and equipment on this place, December 31, 1987. (Report on this place on the place of						
Ì	c. Natural gas	L	980	00	only if used in 1986 or 1987.) None (1983 - 1987)?						
_	d- LP gas, fuel oil, kerosene, motor oil, grease, etc	ليا	981	00	2. Motortrucks — Include pickups						
7	. Electricity for the farm business — (Do not include household expenses.)		•	. 00	3. Wheel tractors other than garden tractors and motor tillers — 946 947						
8	<ul> <li>Hired farm and ranch labor — also include employer's cost for social security, workman's compensation, insurance</li> </ul>	t	982	1	a. Less than 40 horsepower (PTO)						
	premiums, pension plans, etc. (See INFORMATION SHEET)		\$	00	4. Grain and bean combines, all types						
9.	Contract labor — Include expenditures for labor, such as harvesting of fruit, vegetables, berries, etc.,		983		5. Cotton pickers and strippers						
	performed on a contract basis by a contractor, crew leader, a cooperative, etc.		\$	00	6. Mower conditioners						
10	. Repair and maintenance expenses for the upkeep of buildings, motor vehicles, and farm		884		and round balers						
	equipment		ş	00	SECTION 27 ESTIMATED CURRENT MARKET VALUE OF LAND and  927 BUILDINGS						
	Customwork, machine hire and rental of machinery and equipment     use of equipment and for customwork such as grinding				Please give your best ESTIMATE of the CURRENT MARKET VALUE of land and buildings for all acres reported in  Estimated market value of land and buildings						
	use of equipment and for customwork such as granding and mixing feed, plowing, combining, com picking, drying, silo filling, spraying, dusting, fertilizing, etc. (Do		965	1	section 1, items 1, 2, and 3, page 1. None Dollars Cents						
	not include cost of cotton ginning and application of fertilizer and chemicals.)		\$	1 00	1. All land owned						
12	Interest paid on debts — (See INFORMATION SHEET)  a. Secured by real estate		986	00	2. All land rented or leased FROM OTHERS						
	a-becomed by lear estate		987	1	998						
	b. Not secured by real estate		\$	00	3. All land rented or leased TO OTHERS						
13.	Cash rent paid for land and buildings in 1987— (Do not include grazing fees.)		\$	00	S28 Report amount received before taxes and expenses.						
14.	Property taxes paid — Include farm real estate,	;	989	1	1. Customwork and other agricultural services provided for None Dollars Centa						
	machinery, livestock, etc. for the farm business. (Do not include taxes paid by landlords.)		\$	00	farmers and others — plowing, planting, spraying, harvesting, preparation of products for market, etc.						
15.	. All other production expenses — Include insurance,		1	1	(If customwork is a separate business, refer to INFORMATION SHEET, section 28)						
	water, animal health costs, grazing fees, marketing charges, miscellaneous ferm supplies, etc. (Do not include depreciation,		990	1	2. Gross cash rent or share payments received from renting						
	household expenses, and expenses not associated with the farm business.)		\$	00	out farmland or payments received from lease or sale of allotments — include payments for livestock pastured on a par-head basis, per-positipasis, per-power basis, per-power ba						
#SE	C110N24 Was any COMMERCIAL FERTILIZER, Includir LIME used on this place during 1987?	g ROC	K PHOSPHATE	, OF	3. Sales of forest products and Christmas tress - include						
	<u> </u>	NO -	Go to section 25	5	maple products, haval stores, firewood, etc						
	Access of available days the day and		one Acres fert	ilized	4. Recreational services, patronage dividends of cooperatives, and other income which is CLOSELY RELATED to the						
	Acres of cropland fertilized in 1987 — (Do not include cropla for pastures reported in section 10, item 2b.)	[	⊐		agricultural operation on this place –						
2.	Acres of pastureland and rangeland fertilized in 1987 reported in section 10, items 2b and 4	[	933		SECTION 299 PERSON COMPLETING THIS REPORT — Please print						
	I IME tops of lime used and agree on None Tops	of lime		ned	Name 999 Date						
	LIME — tons of lime used and acres on which applied — (Do not include land plaster or		935		Tolonbaro presbar Area Code Number						
	gypsum or lime for sanitation.)		1		Telephone number						

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## INFORMATION SHEET

#### 1987 UNITED STATES CENSUS OF AGRICULTURE

#### **Special Reporting Instructions**

#### 1. Who Should Report

WE NEED A REPLY FROM EVERYONE RECEIVING A REPORT FORM, INCLUDING individuals, landlords, 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 CFN.

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

Complete only ONE report form for an operation. Write "Duplicate" 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 1987, please report all agricultural activity during the year. Report all land on your census form that you owned or rented. Also, report your 1987 crop and livestock production and 1987 sales.

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 explaining this and return the form 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, i.e., 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. 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 report(s) in the same envelope with the completed partnership report, where possible, or write a note on the duplicate report, such as, "(Name of partner) has completed a report for the partnership (provide name and CFN of partnership.)"

#### 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. If you do not have records available for all data items, use your best estimate.

#### **How to Enter Your Response**

Enter your replies in the proper spaces, on the correct lines, 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 will 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 1987

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 when answering the acreage questions, include the land associated with your agricultural operations in 1987 whether in production or not. Include all land that you owned or rented during 1987 even if only for part of the year. Do not include any unrelated residential or commercial land.

IF YOU QUIT FARMING DURING 1987 - Complete the report form for the portion of the year that you did farm. Explain on the report form in the space to the left of the address label (or on another sheet of paper) when you stopped farming and include 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 1987 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:

- a.Land for agricultural use that you rented from others for cash
- b. Land you worked on a share basis (crop or livestock)
- c.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 of the 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:

- a. Owned land rented to others for cash or a share of crops or
- b. Land you rented from someone and then subleased to someone else
- c. Land worked for you by someone for a share of crops or
- d. 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 1987.

#### If item 4, Acres in "THIS PLACE" is "0" and:

- a. You raised any crops or had any livestock or poultry on "THIS PLACE" in 1987, 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.
- c. You did not have any agricultural activity on owned or rented land in 1987, 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.

#### ► Sections 2 through 8 — CROPS

Sections 2 through 8 provide space for reporting crops harvested during the 1987 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 1987.

Acres harvested — Enter the acres harvested in 1987. Round fractions to whole acres except where tenths are requested by "/10" in the reporting box, such as for potatoes.

**Quantity harvested** — If your unit of measure is different than the unit on the report form, please convert your figure for the quantity harvested to the unit requested. If the harvest was incomplete by December 31, 1987, please report the quantity harvested and estimated quantity to be harvested.

Acres irrigated — 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/or preplant irrigation. Do not report water applied in transplanting tobacco plants, trees, or vegetables as irrigation. Leave "Acres irrigated" blank for crops that are not irrigated.

#### **How to Report Crops Harvested**

- ▶ Sections 2 and 3 Report only for the listed crops.
- ▶ Sections 4 through 8 To report: (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 you harvested a crop not listed in sections 4 through 8, use the "Other" code in the appropriate section and specify the crop name.

**Double Cropping** — If two or more crops were harvested 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 1987 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.

		f the follow CE" in 198	ing CROPS harve	sted from
	None	Acres harvested	Quantity harvested	Acres irrigated
1. Cotton	🖂	091	092 Bales	093
2. Soybeans for bear	ns 🗌	<sup>088</sup> 40	089/,550 Bu.	090 40
3. Wheat for grain	🗀	073 40	1,230 Bu.	075
4. Oats for grain	🗆	076	077 Bu.	078

**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 the 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  $\times$  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, item 2f.

Section 4 — VEGETABLES — Report acres of vegetables harvested FOR SALE or commercial processing. Do not include vegetables grown for home use. Report the total acreage of each vegetable crop harvested.

Example: In 1987 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 vines that have been abandoned should not be included; these acres should be included in section 10, item 2f "Cropland idle."

If crops other than fruit and nut trees and vines were interplanted with trees or vines, report the total acres for the orchard crop in section 8 and the total acres of the interplanted crop in the appropriate section.

#### ▶ Section 9 — GROSS VALUE OF CROPS SOLD

Report the value of all crops sold from "THIS PLACE" in 1987, regardless of the year they were harvested or who owned the land. Be sure to report gross values before deducting expenses and taxes. Include Government CCC loans received for "THIS PLACE" in 1987. Include payments received in 1987 from cooperatives or marketing organizations for crops produced on "THIS PLACE" regardless of the year in which the crops were harvested.

Also include as sales, your estimate of the value of any crop removed from "THIS PLACE" in trade for services, such as hay cut in exchange for fence repair, clearing, or other services. If the sale price or market value is not known, give your best estimate of the crop's market value when removed from "THIS PLACE."

DO NOT INCLUDE crops or crop products purchased from others and later sold.

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#### ➤ Section 10 — USE OF ACRES IN "THIS PLACE"

This section is used to classify the acres in "THIS PLACE" reported in section 1, item 4. (Do not include any acres you rented to others reported in section 1, item 3). The sum of the acres entered in various categories should equal total acres in "THIS PLACE."

Land Used for More Than One Purpose — Do not report the same acreage for more than one of the listed purposes. If part or all of your land was used for more than one listed purpose in 1987, report that land only in the first category listed. For example, if you plowed under a cover crop, and planted and harvested a grain crop, report the land in item 2a, "Cropland harvested," but do NOT report as "Cropland used for cover crops, legumes, etc." (item 2c).

**Double Cropping** — When more than one crop was harvested from the same land in 1987, report that land only ONCE as "Cropland harvested," in item 2a.

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," in item 2a.

Skip Row Planted Crops — Report the acres that represent the total nonplanted or skipped rows as "Cropland idle," item 2f. The acres that represent the planted rows should be reported as "Cropland harvested," in item 2a.

# ► Section 12 -- ACRES SET ASIDE, DIVERTED, OR IDLED UNDER FEDERAL ACREAGE REDUCTION PROGRAMS IN 1987

Include in item 2 all acres in "THIS PLACE" retired from production and placed, by long-term contract, into the Conservation Reserve Program. Acres placed into the program during and prior to 1987 should be included.

# > Sections 13 through 17 —LIVESTOCK, POULTRY, OTHER LIVESTOCK, OR 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, 1987. Include all owned by you and any kept by you for others. Include animals on unfenced lands, 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 transit on December 31, 1987, or animals on a 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 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" in 1987, without regard to ownership or who shared in the receipts. Include animals sold for 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.

Dairy Termination Program or "Whole-Herd Dairy Buy-Out Program" — The amount received in 1987 from the Government under the dairy termination program should be included in section 19, item 1. Dairy animals and products sold in 1987 should be reported in section 13.

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 13, item 3a.

#### DO NOT INCLUDE WITH FATTENED CATTLE SOLD:

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

Page 2

Value of Sales — Report the total gross value of animals and poultry sold or removed from "this place" in 1987 without deducting production or marketing expenses (cost of feed, cost of livestock purchased, 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. 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, 1987. Report as "SOLD" animals and poultry kept on a contract or custom basis and removed or sold from the place in 1987. 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 the place.

## ► Section 16 — HORSES, BEES, FISH, GOATS, OTHER LIVESTOCK, OR ANIMAL SPECIALTIES

**Item 2 — If you owned BEES** — Report all colonies or hives of bees and honey operations conducted by you, regardless of where the hives were kept most of the year. Report hives or colonies, pounds of honey sold,

Items 7 and 8 — Mink pelts and rabbit pelts should be included in number sold and value of sales, but not in inventory

- Other Livestock and Livestock Products - include in all other livestock and livestock products manure, beeswax, and any other animal products sold from "this place" in 1987. Please indicate units used in reporting.

Item 10 - Fish and Other Aquaculture Products - Report number of pounds sold and gross value of sales for each. Enter name and code

#### ► Section 17 — POULTRY

The person who furnished the housing and labor should report the poultry operation on his/her report form regardless of who owns the birds. Report as sold poultry that were taken or moved from the place

## ► Section 18 — AMOUNT RECEIVED FROM GOVERNMENT CCC LOANS

Item 1 — Report the amount received under the regular or reserve program for commodities placed under CCC loan during 1987. Include amount received even if commodity was redeemed or forfeited prior to December 31, 1987.

Do not include CCC loans received to build crop storage facilities or amount received for storage payments in the reserve program.

#### ➤ Section 19 — FEDERAL PAYMENTS RECEIVED

Report all payments received from Federal Farm Programs in 1987 regardless of whether payment was made in cash or commodity certificates. Include cash payments in item 1. In item 2, include the value of any certificates held or the value received from sale or redemption of any certificates in 1987.

Federal payments include receipts from Federal programs such deficiency payments, "Whole-herd dairy buy-out," support pri deficiency payments, "Whole-herd dairy buy-out," support price payments, indemnity programs, disaster payments, paid land diversion, inventory reduction payments, payments received for support price approved soil and water conservation projects, etc.

#### ► Section 20 — TYPE OF ORGANIZATION

Use the following definitions to determine the type of organization for

Family or Individual Operation — Defined as farm or business organization controlled and operated by an individual (sole proprietor). Include 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 filling of income tax forms by husband and wife 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. Information on type of corporation should be reported in section 21

Other — Such as cooperatives (defined as an incorporated or unincorporated enterprise or an 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, Indian reservation, institution run by a government or religious entity, etc.

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#### ► Section 21 - 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 22 — CHARACTERISTICS AND OCCUPATION OF

OPERATOR
This section collects information about the operator of "this place" defined as the individual owner, the operator, the senior partner, or person in charge for the type of organization reported in section 20.

For Family or Individual Operation — Complete this section for

For Partnership Operations — Answer all items, except item 2, for the "Senior Partner." The "Senior Partner" is the individual 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 22 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 23 — PRODUCTION EXPENSES paid by you and others for "this place" in 1987
Include farm production expenses paid by you, your landlord, contractors, or anyone else for crops, livestock, or poultry produced on "this place." Include expenses incurred in 1987 even if they were not paid for in 1987. Please estimate if exact figures are not known. Refer to the individual expenditure items below for further explanations. explanations.

Livestock and Poultry Purchased — Report the cost of cattle, calves, hogs, pigs, sheep, lambs, horses, goats, chicks, pullets, poults, etc., including breeding stock and dairy cows. Contract growers or custom feeders who did not own or purchase the livestock or poultry themselves should estimate the value of the cattle, calves, pigs, baby chicks, pullets, etc. at the time they came onto the place.

Feed Purchased for Livestock and Poultry - Report the resa rurchased for Livestock and Poultry — Report the purchase cost of corn, sorghum, oats, barley, other grains, silage, hay, mixed feed, concentrates, etc., fed to livestock and poultry on "this place." Contract livestock and poultry growers should estimate the value of feed provided by the contracting company. Custom feedwards should include feed costs for all cattle fed even if the owners of the cattle were billed for the feed. Feed raised on "this place" should not be reported as purchased.

Cost of Hired Farm and Ranch Labor — Include gross salaries and wages, commissions, dismissal pay, vacation pay, and paid bonuses paid to hired workers, family members, hired managers, administrative and clerical employees, and salaried corporate officers. Also, include supplemental cost for benefits such as employer's social security contributions, unemployment compensation, workmen's compensation insurance, life and medical insurance, pension plans, etc.

Contract Labor — Includes the labor costs of workers furnished on a contract basis by a labor contractor, crew leader, or cooperative for harvesting vegetables or fruit, shearing sheep, or similiar farm activities. Do not include costs for building or repair work done by a construction contractor. Include the cost of customwork or machine hire in item 11.

Repair and Maintenance Expenses for the Upkeep of Buildings, Motor Vehicles, and Farm Equipment — Include the cost of repairs and upkeep of farm machinery, vehicles, buildings, fences, and other equipment used in the farm business. Do not include repairs to vehicles not used in the farm business or for equipment used only for performing customwork for others. Do not include expenditures for the construction of new buildings or Include the the cost of additions to existing buildings.

Interest Expense Paid on Debts — Report all interest expenses paid in 1987 for the farm business. Include interest on loans secured by land and buildings (real estate) in item 12a. Include all loans not secured by real estate such as for fertilizer, feed, and seed in item 12b. Include interest paid on CCC loans. Do not include interest associated with activities not related to production of crops or livestock on "this place" such as land or buildings rented to others, packing sheds, or feed mills that provide services to others. Do not include interest on owner/operator dwelling where amount is separated from interest on other land and buildings on "this place."

Cash Rent Paid for Land and Buildings in 1987 — Report rent paid in cash during 1987 for land and buildings in "this place." Do not include rent paid for operator dwelling or other nonfarm property. Do not include the value of shares of crops or livestock paid to landlords.

**Property Taxes Paid** — Include real estate property taxes you paid on the acres and buildings you operated and used in the farm business.

Do not include:

- a. Property taxes on land or buildings rented to someone else
- b. Taxes paid by landlords
- Property taxes paid on other property not associated with the farm business
- d. Income and excise taxes

All Other Production Expenses — Farm production costs not previously listed should be reported here. In addition to items listed on the report form, include bookkeeping charges, tax preparation fees, postage, advertising, commission for sale of cattle, and fees paid for farm-related advice or for farm consultants. Do not include depreciation or expenditures for the purchase of land and buildings or new or used machinery.

#### ► Section 24 — COMMERCIAL FERTILIZER AND LIME

Report acres on which commercial fertilizer (items 1 and 2) or lime (item 3) was applied during 1987. 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 section 23 item 4

#### ➤ Section 26 — 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. Report the value in its present condition, not the replacement or depreciated value. Specialized equipment, which is an integral part of a building, should be included as a part of the value of land and buildings.

## ► Section 27 — ESTIMATED CURRENT MARKET VALUE OF LAND AND BUILDINGS

The value for each of the three listed categories should be your estimate of the value of the land and buildings if they were sold in the current market. The real estate tax assessment value should not be used unless that value represents a full market value assessment and the land and buildings could reasonably be assumed to be sold at that price. Do not deduct real estate marketing charges from your estimate. Report the total value, not the value on a per acre basis.

## ► Section 28 — INCOME FROM FARM—RELATED SOURCES IN 1987

Item 1 through 4 refer only to those income producing activities for which you use part of the land, machinery, equipment, labor, or capital normally used on "this place," and which you do not consider as entirely separate from your farming activities. Report gross amounts received before taxes and expenses.

- **Item 1 Customwork** Do not report income for customwork or agricultural services provided to others if operated as an entirely separate business from your agricultural operations.
- Item  $\mathbf{2} \mathbf{Rental}$  Income Do not include rental income from nonfarm property.
- Item 3 Forest Products include only those forest products or Christmas trees cut from "this place," not items cut from other nonfarm timber acreage. Do not include income from saw mill business.
- Item 4 Other Farm-Related Income Include income from hunting leases, fishing fees, and other recreational services, sales of ferm by-products, and other business or income closely related to the agricultural operation on "this place." Include dividends for business done with farmer-owned cooperatives. Do not enter previously reported farm sales or income from investments not associated with the farm. Do not include retirement pensions or social security benefits received.

DUE BY FEBRUARY 1, 1988												OM	No. 0607-0534	Approval Ex	pires September	30, 1989
FORM 87-A0400 U.S. DEPARTMENT OF COMMERCE (3-13-87) BUREAU OF THE CENSUS							NOTICE — Response to this inquiry is required by law (title 13, U.S. Code). By the same law YOUR REPORT TO THE CENSUS BUREAU IS CONFIDENTIAL. It may be seen only by sworp Census employees and may be used									
						10	only for statistical purposes. Your report CANNOT be used for purposes of textion, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process.									
UNITED STATES CENSUS						_	In correspondence pertaining to this report, please refer to your Census File Number (CFN)									
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Note - If your records are not	be															
used. If you cannot file by Februar to the above address, include you	r 12-char	acter (	Census	: File Nu	nay be s mber (C	ent FN)										
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ONLY 039 040		041		042			Plea	se correct errors in	name, addi	ress, and	ZIP Code	. ENTE	R street and n	umber if n	ot shown.	
SECTION 12			ستجيب					SECTION 42								
1 - At any time during 1987, did y							_						m "THIS	PLACE'	" In 1987	•
<ul> <li>Hay or tobacco?</li> <li>Corn. wheat, or other grains</li> </ul>					trees; g		nes?	(Do not incli	uae crops g	rown on	land rem	ea to otr	ers.)		Gross va	lue of
Other crops?					ery crot			1. Hay crops	_	None		res ested	Quantity h	arvested	crops s	
· 🗀	Yes			Vo.				a. Alfalfa a			103		104		Dollars 782	Cents
2. At any time during 1987, did y									s		<u> </u>			Tons, dry	\$	00
<ul> <li>Cattle, hogs, sheep, or goat</li> <li>Chickens or other poultry?</li> </ul>			s or po					b. Small gr	rain hay	🗆	106		107	Tons, dry	8	00
• Bees?				l specia	alties?		100	c.Wild ha	v	🗆	112		113	Tons, dry	782 \$	00
	Yes			lo				d.Other ha	•		108		110		782	1
If you answered YES to EIT	HER of t	hese	quest	ions, g	o to SE	CTION	2.	Specify k		_ 🗆	L			Tons, dry	<b> \$</b>	00
If you enswered NO to BOT	H of the	se que	estion	s, go te	SECT	ION 10	). 	2. Corn for gr	ain or see	ed 🗆	067		088	Bu	773 \$	00
SECTION 2. ACREAGE IN 1	987 Re	port l	and ov	wned, i	ented,	or use	by you.	3. Soybeans		_	088		089		775	00
your spouse, or t which you are re											073		074	Bu.	774	$\overline{}$
LOCATION OR U	ÌSE — cr	opland	d, pas	turelan				4. Wheat for	grain		094	$\neg$	095	Bu.	781	1 00
woodland, idle la	ina, nous	se iots	s, etc.		Non	·	ber of acre	5. Tobacco -	- all types	: Ц	097	/10	098	Lbs.	785	00
1. All land owned						043		6. Potatoes, I not include th				1			1.33	!
2. All land rented or leased FROM						·		for home use	.)	$\square$	·L	/10	<u> </u>	Cwt.	\$	00
worked by you on shares, used	d rent fre	e, in e	xchan	ge for		044					N [	T-441	5.5	- 10	7	
services, payment of taxes, et and railroad land. (DO NOT inc	c. Include	e lease f used	ed Fed	leral, St er-beac	ate, I			7. All vegetab	de those arc	משכ	None 37	Total acr	783	<del></del>	1	
basis under a grazing permit.)					□	I		for home use.		<u> </u>	<u> </u>		/10 \$	00	d	
3. All land rented or leased TO OTI-	ERS, incl	luding i	land w	orked o	n	045		Specify   kind(s)	-			+	/10			
shares by others and land subles	esed. Also	) comp	lete ite	em 5 bel	low.				\			1	/10		<b>1</b>	
4. Acres in "THIS PLACE"	- ADD a	acres	owne	d (item	1)	04	16				None	Total acr	es Quantity	harvested	Dollars	Cents
and acres rented (item 2), the TO OTHERS (item 3), and en					a 			8. All fruit and vineyards,				1	/10		784 \$	00
						_	+	Specify )					/10 3	Lbs.		
If the entry is zero please refer						. —		kind(s)					/10 3	Lbs.		
5. Of the land you rented or lease acres did you own?	d to othe	ers, ho	w mar	ny Nor	16 <sub>053</sub>		A	9. Other cron	8 — For art	ditional cr	rops, ente	r the cror	name and co	de from the	e list below	
acres did you own	• • • • • • •	• • • •					Acres	9. Other crop	tity harveste	ed in the u	ınit specii	ied with	crop name.		1	
6. In what county was the larges	t value of	f your		.	County	name	State	Crop r		Code	Ac		Quantity h	arvested	Gross va	
agricultural products raised or								Clop.		-	harv	ested			Dollars	Cents
SECTION 3. LAND USE and													1		\$	00
PART A — How were the A	ACRES I	n this	place	e used				1			1		1		2	1
1. Cropland harvested - Include	e all land i	from w	vhich e	rops		787	nber of acre	If more space is n	eeded, use a	separate	sheet of p	per.	<del></del>		~	1 00
were harvested or hay was cut, groves, vineyards, and nursery	ano ell ler	זם תו סח	rcnaros	s. cnnus		ľL		Crop name	(humbala)				rop name ats for grain (	humbala)		Code 078
2. Cropland on which all crops to	failed	(Except	tion: De	o not		790	· <u></u>	Barley for grain ( Corn for silage or	r green chor	p (tons, gr	reen) (	170   S	orghum for ar	rain-mile (b	(alertau	082
report here land in orchards and vii				op failed		793		PARTB -					ther crops (po			. /62
<ol><li>Cropland idle, cropland used or cropland in cultivated sum</li></ol>									on "THIS				KUPS GKC	MAIR LOS	SALE	
4. Cropland used only for past	ture, wo	odian	nd pas			798		From the list b	elow, ent	er the c	rop nam	e and c	ode for each	crop gro	wn.	
and other pastureland and	rangela	nd			🗆	797		4			Square f		cres in the or in 1987	en	Sales in 198	37
<ol><li>All other woodland, wastell reported in items 1 through</li></ol>	and, hou	uselot e	s, etc	not .		1		Crop na	me .	Code u	nder glas her prote	s or ction w		enths	Dollars	Cents
PART B — IRRIGATION				· · · · ·	· · ·	Num	ber of acre	-				1		2		00
	d land w	ere ir-	igater	17 Inst	Non	e i	rrigated	If more space is no	eeded, use s	separate :			L_	/10  \$		
1. How many acres of harvester land from which hay was cut an fruit and nut crops	d land in b	bearing	and n	onbeari	רון פּי	680		Crop name Bedding plants (	include ver	etable nie			rop name otted flowerin	io piante		Code 710
2. How many acres of pastureland, rangeland, and any other 681 Cut flowers and								Cut flowers and	cut florist gr	reens		186 i F	oliaga plants			707
lands not included in item 1 above were irrigated?									88   0	Other - Specify 506						
PENALTY FOR FAILURE TO REPO	PRT										COI	YTINUE	ON REVERS	E SIDE -	·	<b></b> →

:S	CTION 5	LIVESTOCK and POU	LTRY					PART E - HORSES, OTHER LIVESTOCK, ANIMAL SPECIALTIES, and FI	SH						
					INVENTORY Number on this None place Dec. 31, 1987			INVENTORY Total Community of a							
PART A — CATTLE and CALVES			None	None Number on this sold in 1987 Dollars				Cents							
				140116	803	S Dec. 31, 198	<u>′                                    </u>	1 - Horses and ponies sao sai sage Number \$	00						
1.	CATTLE ar	nd CALVES of all ages		. 🗆			Total	839 (840 )842	-						
	. BEEF CO	WS — include beef helfers th	at		804		Boof	2. Colonies of bees	00						
nad Calved			٠. ا	805		cows	843 ( 844 ) 846	-							
b. MILK COWS kept for production of milk or cream for sale or home use — Include dry						Milk	Number   1845 Gallons   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   1945   195   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955   1955	00							
	milk cow	s and milk helfers that had ca	ivea	ا	L	<del></del>	cows	847 848 850	-00						
				Gı		of sales		Number   1							
,	Value of DAI	IRY PRODUCTS sold in 1987	None	814	Dollars	Cents		4- Angora goats	-00						
Include milk, cream, butter, etc			•		. 00		animal products.								
	CATTLE and CALVES SOLD							(Enter name/code from below.)	ا ۵۰						
	FROM THIS PLACE IN 1987 Include as sold cattle moved from			Numbe	Gross value of	sales	NameCode	00							
	this piece feeding.	to a feedlot for further	None	in 1		Dollars 809	Cents	Mules, burros, donkeys 833 Rabbits and their pelts 854 Other livestock, fish,	857						
з.	-	han 500 pounds	🗆		- 1	•	00	Mink and their petra 836 Other goats 851 and their products							
				810	1	811	00								
4.		<i>luda calves 500 pounds or m</i> attie soid, how many were	ore 🗀	812		813		Amount received in 1987 from Government CCC loans. <i>Include regular and reserve loans, even if redeemed or forfeited.</i> None Dollars Cents							
1	FATTENE	ED on this place on GRAIN or			1		į	Specify crop(s) 00							
		TRATES for 30 days or more of for SLAUGHTER?				9 00		SECTION Payments received for participation in FEDERAL FARM							
•		HOGS and PIGS	<del></del>	INVENTORY				PROGRAMS in 1987 (DO NOT INCLUDE CCC loens.)							
				None		lumber on this te Dec. 31, 198	7	None Dollars C	ents						
					815	2200.211 142			00						
1.	HOGS and	PIGS of all ages		. 🗆		То	rtal	2. Value of certificates received — payment-in-kind (PIK) or commodity certificates	00						
	a. HOGS and PiGS used or to be used for breeding				816	**-		SECTIONS   Acres in this place SET ASIDE, DIVERTED, or IDLED under	arik Ca						
	a. nogs an	U FIGS 0880 Of 10 De 0880 101	neediid		L		eeding	FEDERAL acreage reduction programs in 1987  None Number of acres							
				Numbe		Gross value of	sales		cres						
_			None	in 1:		Dollars 521	Cents	ANNUAL commodity acreage adjustment programs?							
2.		IGS SOLD from this	🗆 🖰	020	1	\$	00	2. How many acres were under the CONSERVATION RESERVE PROGRAM (10 year, CRP)?							
з.	Of the hogs	and pigs sold, how many wer	ne	822		823		NEGLECT CHARACTERISTICS and OCCUPATION OF OPERATOR							
Ļ		ER PIGS for further feeding? SHEEP and LAMBS	<u>                                    </u>	INVENT		*	00	(Senior partner or person in charge)	i						
•	PARI C -			Number o	on this	NUMBER St in 1987		1. RESIDENCE — Does the operator live on this place?	1						
		N	one pla	ce Dec.	31, 1987	825		2. PRINCIPAL OCCUPATION — At which	- 1						
1. SHEEP and LAMBS of all ages								occupation did the operator spend the	l						
	• FWES 1 v	rear old or older	526					majority (50 percent or more) of his/her worktime in 1987? For pertnerships consider							
	•	N					·	all members of the partnership together or ranching							
2.		LAMBS SHORN None	827	Numbe	828	Pounds wool		3. OFF-FARM WORK — How many days did the None							
	1007	· · · · · · · · · · · · · · · · · · ·				of sales		operator work at least 4 hours per day off this place in 1987? —Include work at a nonferm job,							
3.	What was th	a arnes value of sales of	None		Dollars	Cents	į	business, or on someone else's farm for pay. (Do not include exchange farmwork.)	1						
٠.	SHEEP, LAM	e gross value of sales of BS, and WOOL from this	$\Box$	829		1 00		4 ☐ 100-149 days 5 ☐ 150-199 days	İ						
_	PART D -	7?	[_]	1 11	NVENTO	00   BY		□ 200 days or more	,						
•		, vybini		1	Number of	on Numb		4. In what YEAR did the operator begin to operate occ							
1.	HENS and P	ULLETS	P	lone De	ec. 31, 19	987		any part of this place? Year							
	a. HENS and	PULLETS of laying age				1		5. AGE of operator	, [						
	b. PULLETS	3 months old or older not yet	t of		4	895		924 / 1 White	-						
		e for layer replacement S under 3 months old for h		- Be	8	}		₂☐ Negro or Black	I						
		nent						8. RACE of operator	- 1						
2.	BROILERS.	ryers, other meat-type chic	ckens .	891		899		↑ Asian or Pacific							
				300	ò	901		lslander o☐ Other — Specify,	ı						
3. TURKEYS for slaughter (Do not include breeders.) 4. OTHER POULTRY (Enter name/code from below.)							( a D Other Specify	l							
7.	Jinen FOU	E I I I I I I I I I I I I I I I I I I I						926							
	Poultry name Code						7.SEX of operator 1 Male 2 Fer	nale							
					re/code	912	8. SPANISH ORIGIN — Is the operator of Spanish	- 1							
	Turkey hers kept   Geese					ther poultry —	origin or descent (Mexican, Puerto Rican, Cuban, or other Spanish)?1 Yes 2 No								
Gross value of sales							SECTION 10 PERSON COMPLETING THIS REPORT - Please print								
5. Value of POULTRY and POULTRY None Dollars Cents							Name 999 Date	]							
		eggs, etc.) sold from this pla		\$18		00	l	Telephone number Area code Number							
	87-A0400/3-13-			*		1 00		<u> </u>							

# INFORMATION SHEET 1987 UNITED STATES CENSUS OF AGRICULTURE

#### **Special Reporting Instructions**

#### 1. Who Should Report

WE NEED A REPLY FROM EVERYONE RECEIVING A REPORT FORM, INCLUDING individuals, landlords, 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 CFN.

#### 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 1987, please report all agricultural activity during the year. Report all land on your census form that you owned or rented. Also, report your 1987 crop and livestock production and 1987 sales.

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 explaining this and return the form 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 allways possible to do so.

#### 5. If You Have More Than One Agricultural Operation

Complete a report form for EACH SEPARATE and DISTINCT production unit, i.e., 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. 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 report(s) in the same envelope with the completed partnership report, where possible, or write a note on the duplicate report, such as, "(Name of partner) has completed a report for the partnership (provide name and CFN of partnership.)"

#### 7. Landford'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. If you do not have records available for all data items, use your best estimate.

#### 8. How to Enter Your Response

Enter your replies in the proper spaces, on the correct lines, 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 will 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 2 — ACREAGE IN 1987

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 1987 whether in production or not. Include all land that you owned or rented during 1987 even if only for part of the year. Do not include any unrelated residential or commercial land.

Report all land in section 2 in whole acres.

Item 1 — All Land Owned — Report all land owned in 1987 whether held under title, purchased 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:

- a. Land for agricultural use that you rented from others for cash
- b. Land you worked on a share basis (crop or livestock)
- c. Land owned by someone else that you used rent-free
- 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 besis, such as section 3 of the Taylor Grazing Act, National Forest, or Indian reservation permit land.

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
- **b.** Land you rented from someone and then subleased to someone else
- Land worked for you by someone for a share of crops or livestock
- d. 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 1987.

If item 4, Acres in "THIS PLACE" is "O" and:

- a. You raised any crops or had any livestock or poultry on "THIS PLACE" in 1987, complete the report.
- b. All your land was operated by a renter or sharecropper, skip to and complete section 10, and explain briefly, "All land rented out," etc. Mail form in return envelope.
- c. You did not have any agricultural activity on owned or rented land in 1987, complete section 10 and explain briefly, such as "retired," "sold farm," and date. Give name and address of current operator if known and return form.

#### ► Section 3 — LAND USE AND IRRIGATION

This section is used to classify the acres in "THIS PLACE" reported in section 2, item 4. Do not include any acres you rented to others reported in section 2, item 3. The sum of the acres entered in various categories should equal total acres in "THIS PLACE."

Land Used for More Than One Purpose — Do not report the same acreage for more than one of the listed purposes. If part or all of your land was used for more than one listed purpose in 1987, report that land only in the first category listed. For example, if you harvested a crop and later used the same land for pasture, report the land in part A, item 1, "Cropland harvested."

**Double Cropping** — When more than one crop was harvested from the same land in 1987, report that land only ONCE as "Cropland harvested," in part A, item 1 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," in part A, item 1.

Skip Row Planted Crops — Report the acres that represent the total nonplanted or skipped rows as "Cropland idle," part A, item 3, the acres that represent the planted rows should be reported as "Cropland harvested," part A, item 1.

Irrigation is defined as land watered by artificial or controlled means — sprinklers, furrows or ditches, spreader dikas, purposeful flooding, etc. Include acres that receive supplemental, partial, and/or preplant irrigation. Do not report water applied in transplanting tobacco plants, trees, or vegetables as irrigation.

#### ► Section 4 — CROPS

This section provides space for reporting crops harvested during the 1987 crop year from the land shown in section 2, item 4 (Acres in "THIS PLACE") of your report. A few crops are already listed on the form. For these crops, just report acres harvested, quantity harvested, and value of sales. If you produced crops not listed, write the name of the crop and code from the list provided and report the acres harvested, quantity harvested, and the value of sales.

#### DO NOT INCLUDE:

- Any crops grown on land rented or leased TO OTHERS, or worked by others on shares during 1987.
- b. Crops or crop products purchased from others and later sold.

Acres Hervested — Enter the acres hervested in 1987. Round fractions to whole acres except where tenths are requested by "/10" in the reporting box, such as potatoes.

Quantity Harvested — If your unit of measure is different than the unit on the report form, please convert your figure for the quantity harvested to the unit requested. If the harvest was incomplete by December 31, 1987, please report the quantity harvested and the estimated quantity to be harvested.

Gross Value of Crops Sold — Report the value of all crops sold from "THIS PLACE" in 1987, regardless of the year they were harvested or who owned the land. Be sure to report gross value before deducting expenses and taxes. Include Government CCC loans received for "THIS PLACE" in 1987. Include payments received in 1987 from cooperatives or marketing organizations for crops produced on "THIS PLACE."

Item 7 — Vegetables — Report acres of vegetables harvested FOR SALE or commercial processing. Do not include vegetables grown for home use. Report the total acreage of each vegetable crop harvested.

Item 8 — Fruit Orchards, Citrus, Vineyards, and Nut Trees — Report only if total of 20 or more trees and vines, include those for home use as well as those maintained for sale of their production. Acres in trees and vines that have been abandoned should not be included, these acres should be included in section 3, part A, item 3 "Cropland idle."

If crops other than fruit and nut trees and vines were interplanted with trees or vines, report the total acres for the orchard crop in item 8 and the total acres of the interplanted crop in the appropriate Item.

Item 9 — Other Crops — To report: (1) find the crop name and the code number from the list under item 9; (2) enter crop name and code in the first two columns of the first available answer line under item 9; (3) enter the information that is requested in the remaining columns. If you harvested a crop not listed, use the "OTHER" code and specify the crop name. If you need additional space, use a separate sheet of paper to write the crop name(s), acres and quantity harvested, and gross value of crop(s) sold.

#### Section 5 — LIVESTOCK, POULTRY, OTHER LIVESTOCK, OR ANIMAL SPECIALTIES

#### Parts A, B, C, and D - LIVESTOCK AND POULTRY

Animals and Poultry to Include in the Report — Report all animals, poultry, and animal specialties on "this place" (section 2, item 4) on December 31, 1987. Include all owned by you and any kept by you for others. Include animals on unfenced lands, 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 transit on December 31, 1987, or animals on a 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 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" in 1987, 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.

Dairy Termination Program or "Whole-Herd Dairy Buy-Out Program" — The amount received in 1987 from the Government under the dairy termination program should be included in section 7 item 1. Dairy cattle and calves sold should be reported in section 5, part A.

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 5, part A, item 4.

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 1987 without deducting production or marketing expenses (cost of feed, cost of livestock 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.

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, 1987. Report as "SOLD" animals and poultry kept on a contract or custom basis and removed or sold from the place in 1987. 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 the place.

The person who furnished the housing and labor should report the poultry operation on his/her report form regardless of who owned the birds. Report as sold the number of poultry that were taken or moved from the place in 1987.

## Part E - HORSES, OTHER LIVESTOCK, ANIMAL SPECIALTIES, AND FISH

If you owned BEES — Report all colonies or hives of bees and honey operations conducted by you, regardless of where the hives were kept most of the year. Report hives or colonies, pounds of honey sold, and value of sales.

Other Livestock and Livestock Products — Include in all other livestock and livestock products manure, beeswax, and any other animal products sold from "this place" in 1987. Mink pelts and rabbit pelts should be included in number sold and value of sales, but not in inventory.

**Fish and Other Aquaculture Products** — Report quantity sold and gross value of sales for each.

# Section 6 — AMOUNT RECEIVED FROM GOVERNMENT CCC LOANS

Item 1 — Report the amount received under the regular or reserve program for commodities placed under CCC loan during 1987. Include amount received even if commodity was redeemed or forfeited prior to December 31, 1987.

Do not include CCC loans received to build crop storage facilities or amount received for storage payments in the reserve program.

#### Section 7 — FEDERAL PAYMENTS RECEIVED

Report all payments received from Federal Farm Programs in 1987 regardless of whether payment was made in cash or commodity certificates. Include cash payments in item 1. In item 2, include the value of any certificates held or the value received from sale or redemption of any certificates in 1987.

Federal payments include receipts from Federal programs such as deficiency payments, "Whole-Herd Dairy Buy-Out," support price payments, indemnity programs, disaster payments, paid land diversion, inventory reduction payments, payments received for approved soil and water conservation projects, etc.

#### Section 8 — ACRES SET ASIDE, DIVERTED, OR IDLED UNDER FEDERAL ACREAGE REDUCTION PROGRAMS IN 1987

Include in item 2 all acres in "this place" retired from production and placed, by long-term contract, into the Conservation Reserve Program. Acres placed into the program during and prior to 1987 should be included.

# Section 9 — CHARACTERISTICS AND OCCUPATION OF OPERATOR

This section collects information about the operator of "this place" defined as the individual owner, the operator, the senior partner, or person in charge.

For Family or Individual Operation — Complete this section for the

For Partnership Operations — Answer all items, except item 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 or ranching" worktime at all types of agricultural enterprises, including work at greenhouses, nurseries, mushroom production, ranching, feedlots, broiler feeding, etc.

For Corporation and Other Operations (Cooperatives, Estates, etc.) — Complete section 9 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.