

APPENDIX A. General Explanation

1. Taking the Census

Enumeration Method

The growing complexity in the structure of American agriculture along with increasing numbers of farm operators living off-farm have made an enumerator-type census as conducted in the past increasingly difficult. The mailout/mailback census, made possible by the availability of relatively complete administrative lists, provides the respondent the opportunity to complete the report more nearly at his own convenience than in an enumerator-type census. Generally the quality of data on reports completed by operators exceeds that of reports filled out by enumerators. Based on the overall satisfactory experience with the mailout/mailback procedure used in 1969, a decision was made to continue the mail procedure for 1974.

In censuses prior to 1969, enumerators were assigned to enumerate all farms in a specified geographic area and were instructed to call on all farm operators in person. Beginning with the 1950 census, copies of the report form were mailed to rural boxholders prior to the enumeration's starting date, and farm operators were asked to complete the forms and have them ready for the enumerator to collect. Enumerators going door-to-door in rural areas would pickup and review any forms that had been completed; they would also fill out or complete reports for those places having some agricultural operations which did not have forms completed and ready for review.

The mailout/mailback procedure has not been used in taking the agriculture census in Puerto Rico, Guam, and the Virgin Islands. A discussion of the direct

enumeration methods used appears in the reports for these outlying areas.

Mailing List

The starting point for the enumeration of the 1974 census was the mailing list, which consisted of all persons and organizations that could be identified from administrative records as associated with agricultural operations in 1973 or 1974. The list was assembled from the records of the 1969 Census of Agriculture and those of other government agencies. Only the more comprehensive sets of administrative records containing information related to agricultural activities were initially used. This included records primarily from the Agricultural Stabilization and Conservation Service, the Internal Revenue Service, and the Social Security Administration.

To improve the mailing list and to identify individual units of multiestablishment farming operations—particularly corporations, a precavass of the larger, more complex, and specialized operations (approximately 55,000 cases mostly identified from the 1969 agriculture census plus those in the file of companies in retail, wholesale, and manufacturing areas known to have agricultural operations) was conducted in early 1974. This survey identified over 6,200 multiestablishment companies or other organizations having one or more separate establishments (or locations) producing agricultural products or providing agricultural services to others. In many cases, these agricultural establishments were in addition to nonagricultural establishments operated by the company. Separate census report forms were required of each individual farming unit or agricultural

establishment identified in the precavass. The precavass form also provided information to distinguish primary farming corporations from business-associated farming corporations and family-controlled corporations from other corporations.

Lists of specialized operations, such as nurseries and broiler growers which might not be identified in other administrative records, as well as selected lists of other large and/or specialized producers, such as feedlots and fish farms, were included in the mail list. In total, about 130,000 special list names were included.

The master list primarily contained the names and addresses of persons and organizations known to be associated with agricultural operations in 1973. It was constructed by merging and unduplicating the various source lists on the basis of Social Security or Employee Identification numbers, along with some unduplication based on alphabetic matching of names and addresses. To facilitate processing, each name on the master list was assigned a size code to indicate an estimate of value of sales as well as a code for county location. Most duplicate names not identified prior to mailing were either reported by respondents or located during the office processing.

Report Forms

Two basic census report forms were used for all States except Alaska and Hawaii. A regular 18-page report form was mailed to all farms whose 1974 sales of agricultural products were expected to total \$2,500 or more. A short six-page report form was sent to all operators whose 1974 sales were expected to total less

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than \$2,500. This short form covered the major subjects (crops, land use, livestock and poultry, equipment, expenditures, and value of sales), but omitted most of the additional detail found in the regular form. Both report forms, with the instructions for completing them, are reproduced in appendix C.

As for 1969, a short form was used so that operators of the smaller places would not be burdened with the extensive detail needed from the larger operators. In 1969, there were 996,567 farms with annual sales of less than \$2,500 (about 36 percent of all farms), but they accounted for less than 2 percent of the total value of all farm products sold. For 1974, preliminary tabulations indicate that this group of farms will number approximately 770,000, or 31.4 percent of all farms and will account for less than 1.3 percent of the total value of farm products sold by all farms.

In Alaska, the regular report form was used to enumerate all farms. For Hawaii, a modified version of the regular form was used for all farms. The modifications were made principally in the crops section in order to cover the specialized agriculture on the islands.

Initial Mailing

The report forms were mailed during the last week of December 1974 and the first week of January 1975 to all persons and organizations on the mailing list. This mailing consisted of approximately 4,133,000 report forms (2,391,000 regular forms and 1,742,000 short forms). Undeliverable mail returned by the Postal Service reduced the mailing list by 232,000, including 67,000 regular forms and 165,000 short forms.

Instructions for completing the forms were attached in the centerfold of each form. In an effort to provide additional help to farmers in completing their reports, approximately 35,000 copies of a Farm Census Guide booklet were sent to county officials to whom farmers might turn for assistance. Included were rural banks, vocational agricultural instructors, and the following county offices: Agricultural Stabilization and

Conservation Service, Soil Conservation Service, Farmer's Home Administration, and Agricultural Extension Service. This guide contained descriptions and definitions for various items in more detail than the instructions included with each report form. Representatives of the above agencies were asked to assist the farmers in filling out their report forms if the farmers came to them for help.

The regular report form was to be filled out by all farm operators who received it regardless of the amount of farm products sold. When recipients of the short form reported sales in 1974 substantially greater than \$2,500, it was sometimes necessary to contact them again for the additional data needed to complete the more detailed regular form. If the recipient of a regular report form had sales less than \$2,500, the data were condensed during the processing to those items appearing on the short form.

Followup Procedures

Data collection plans included a "thank you" card and four followup letters, two of which were accompanied by census report forms at approximately 1-month intervals. Data collection was expected to be substantially completed by June 30. However, because of a marked increase in respondent resistance as compared with the 1969 census, the data collection phase was extended into the office processing phase. Additional followup letters were sent to the remaining nonrespondents in June, July, August, and November. Nonrespondent addresses believed to be operating farms with sales of \$40,000 or more were contacted by telephone during the period April 1975 through February 1976. Most of the nonresponse telephone calls were made by the staff of the Data Preparation Division in Jeffersonville, Indiana. Some of the calls to the more complex cases were referred to the Agriculture Division staff for handling. In total, nearly 107,000 cases were completed by telephone during this period.

As part of the routine followup procedures, specialized farms identified on the mailing list as producing products

such as broilers, beef cattle, hogs, etc. were checked to insure coverage in the census. If no report had been received for farms on these special lists, they were contacted by telephone to obtain the required information. Also, farms and ranches with large acreage in the 1969 census were checked to insure coverage in 1974. If reports were missing, telephone calls were made to obtain the necessary information to insure coverage. In some instances, successor operators were discovered and enumerated. The processing system provided for the inclusion of missing reports as late as the final tabulation of the county data for each State.

2. Major Changes in Data Collected

A number of items generally collected in follow-on surveys were included on the regular census report form for 1974. The major changes and modifications were in:

- Fuel and grain storage facilities
- Artificial ponds, pits, reservoirs, and earthen tanks
- Futures market
- Contracts
- Payroll and employment
- Injuries and illnesses
- Farm credit
- Family income from off-farm sources

These changes represent only a small part of those recommended. All recommendations were reviewed by the Census Advisory Committee on Agriculture Statistics, which then suggested priorities for items to be included in the census. The Census Bureau had final responsibility for the content, wording, and format of the report forms.

Besides the major additions, a limited number of items were included or asked in more detail than otherwise necessary so as to improve the quality of the data collected. For example, totals were asked for several detailed items to be used for cross checking data. These cross-check totals were asked for such items as value of cattle and calves sold, amount of cash wages paid, and chemical costs.

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3. Office Processing

All report forms were reviewed prior to keying the data to magnetic tapes. Reports were subjected to a clerical screening review, during which significant notes or major problems were referred to technical assistants or, if necessary, to the professional analyst for solution. Records of all large agricultural operations, including multiunit operations and operations having \$500,000 or more sales of agricultural products in 1974 (lesser levels in specified States) were reviewed by professional employees of the Agriculture Division. Omissions, inconsistencies, and other problems that could not be resolved by reference to other information on the report were resolved by contact (usually telephone) with the respondent.

The data for each report form were subject to a detailed item-by-item computer edit which required almost the full capacity of a large electronic computer. The program made comprehensive checks for consistency and reasonableness, corrected data found to be in error or inconsistent, supplied key missing data, and assigned farm classification codes which were necessary for tabulation of the data. Entries of large magnitude and significant computer changes of a doubtful nature were manually verified for accuracy. Obvious errors such as reports of cotton and citrus in the Northern States were also identified and corrected. However, it was impossible to identify and correct all errors or to supply estimates for all the incompleteness within the census reports. These factors and others may affect the reliability of some data for some minor items, but they will not have a significant effect on major data items in any county.

4. 1969 Data Corrections

Some 1969 data have been revised since publication of the 1969 census. The revisions corrected sizeable data errors in 14 counties and reporting and processing errors affecting four data items in a larger number of counties and States. The major county revisions were for:

Cullman, Alabama—revised broilers sold and related data.

Inyo, California—revised land in farms and related data.

Hawaii, Honolulu, Kauai, and Maui, Hawaii—revised number of fattened cattle and related data.

Spencer, Indiana—revised cattle and calves inventory.

Harford, Maryland—revised acreage of total cropland.

Marshall, Minnesota—revised acreage of land in farms.

Dodge, Nebraska—revised number of milk cows and value of sales.

Merrick, Nebraska—revised cattle and calves sold and related data.

Rusk, Texas—revised cattle and calves sold and related data.

Hampshire and Jefferson, West Virginia—revised cattle and calves sold and related data.

The revisions to correct for reporting and processing errors were made on:

Acres and production of Irish potatoes harvested.

Acres artificially drained.

Total acreage fertilized.

Acreage of land in orchards fertilized (only in Wisconsin).

5. Definitions and Explanations

The following definitions and explanations relate to items which require a more detailed description than is in the tables. Many of the items are followed in the tables by a "(See text)" notation. Most of the terms and their explanations are taken from the instructions printed on the report forms or issued with the forms. For an exact wording of the questions on the two different report forms used in 1974 for the conterminous United States, and the instruction sheets which accompanied these forms, see appendix C.

A further discussion and more detailed analysis of the items included on the report forms and of the published data is given in Volume II, **Statistics by Subject**, of the 1974 Census of Agriculture.

Most definitions of items and terms are the same as used in 1969 and earlier censuses. In general, processing steps and procedures for 1974 were designed to develop a report as fully comparable as possible with reports of earlier censuses.

Land area—The approximate total land area of counties and States shown for 1974 represents the land area as determined by records and calculations updated as of January 1, 1970. These data are updated periodically; however, the acreages shown for 1974 are essentially the same as in 1969. Any differences between the land area in 1974 and 1969 would be due to new construction of reservoirs, change in number and size of reservoirs, lakes, streams, etc.

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 nor used for pasture or grazing, provided it was part of the farm operator's total operation. Large acreages of woodland or wasteland held for non-agricultural purposes were deleted from individual reports during the processing operations.

Land in farms is an operating unit concept and includes land owned and operated as well as land rented from others. Land used rent free was to be reported as land rented from others. Except for open range and grazing land used under government permits, all grazing land was included as "land in farms" provided the place was part of a farm or ranch. Grazing land operated by grazing associations was to be reported by the person chiefly responsible for conducting the business of the association. All land in Indian reservations used for growing crops or grazing livestock was to be included as land in farms. Land in Indian reservations not reported by individual Indians or non-Indians was to be reported in the name of the cooperative group which used the land. In some cases, an entire Indian reservation was reported as one farm.

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Data on ownership of land, type of rental arrangements, and farms with grazing permits are shown in Volume II with totals for each State.

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 the agricultural products was raised or produced. It was usually where the operator reported all or the largest proportion of his total land. For a limited number of counties in the Western States, this procedure has resulted in more land in farms being counted within a county than there is land area. To minimize this distortion, some exceptions were developed from a survey of large-scale farms carried out prior to the mailing of the census forms. This survey identified about 1,600 operations as having more than one separately reportable farm unit. Other reports received showing land in noncontiguous counties were separated into two or more reports if the data would significantly affect the county totals. These reports were assigned to the appropriate counties during office processing.

Value of land and buildings—The respondents were asked to report their estimate of the current market value of land and buildings owned, rented or leased from others, and rented or leased to others. Market value refers to the respondent's estimate of what the land and buildings would sell for under present market conditions.

If the value of land and buildings was not reported, it was estimated during office processing by using the average value of farms having similar characteristics in the same area.

Farm operator—The term "farm operator" designates a person who operates a farm, either doing the work himself or directly supervising the work. He may be the owner, a member of the owner's household, a salaried manager, a tenant, a renter, or a sharecropper. If he rents land to others or has land worked on shares by others, he is considered the operator only

of the land which he retains for his own operation. In the case of partnerships, only one partner is counted as an operator. For census purposes, the number of farm 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 questionnaire, but another family member or a partner or hired manager who was actually in charge of the farm operations.

The term "farms" in the presentation of data denotes the number of farms reporting the item. For example, if there were 3,710 farms in a State and 842 of these farms had 27,381 cattle and calves, the data for those farms reporting cattle and calves would appear as:

Cattle and calves	farms.....	842
	number..	27,381

Farm operator characteristics—Operator characteristics such as race or origin, residence, age, occupation, and off-farm work, were collected for all farms with sales of under \$2,500 and for farms with sales of \$2,500 and over operated by individuals or partnerships. These data were not obtained for corporations and other types of organizations such as cooperatives, prison farms, grazing associations, and Indian reservations.

Family off-farm income—In the absence of a sample follow-on survey, such as was conducted for the last three censuses, five questions were added to the 1974 report form for farms with sales of \$2,500 and over to obtain data on income from off-farm sources. These sources included income from a professional practice, cash wages, salaries, interest, dividends, royalties, pensions, etc. These data were included in the census to provide a better understanding of the present income distribution in agriculture and for the development of future policies and agricultural programs. Off-farm income data were not obtained for farms operated by corporations and other organizations. Similar data have been collected in 1960, 1965, and 1970 in sample surveys taken as part of the census program.

Family income from other sources greater than agricultural sales—For farms with sales of \$2,500 and over, this classification is based on a comparison of the sum of farm-related and off-farm income sources with the value of agricultural sales. For farms with sales of under \$2,500, the report form included a separate inquiry about the relationship of off-farm and other income sources to agricultural sales. The response to that inquiry was used as a basis for this classification.

For ease of reference to this classification in some tables, the term "off-farm income" applies to both farm-related and off-farm sources. A separate line is shown in most tables for farms not reporting or reporting no farm-related or off-farm income.

Value of crops harvested—This item represents the estimated value of all crops harvested during the 1974 crop year. Data for the value of crops harvested were obtained by multiplying the average estimated values per unit by the operators' reports of acres or quantities harvested. In instances where only acres harvested were reported, State estimates of value of production per acre were used. Generally, harvested units of production (pounds, bushels, bales, etc.) were multiplied by State estimates of price per unit. A combination of these two factors was used when only acres harvested were requested of small farms, but units of production were requested of larger farms. The State average production prices used in these calculations were obtained in most part from publications by the Statistical Reporting Service, U.S. Department of Agriculture (USDA). When USDA estimates were not available, Bureau of the Census statisticians made estimates using available sources such as data from adjacent States, respondents, report forms, and county extension agents and other persons knowledgeable about specific crops.

Value of livestock on farms—Data for value of livestock and poultry on farms were obtained by multiplying the number of livestock of each major age and sex

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group by the State average price. The State average prices for cattle, hogs, sheep, Angora goats, and hens and pullets were obtained primarily from data published by the Statistical Reporting Service of the U.S. Department of Agriculture. Prices applied to other types of livestock were census-derived averages based primarily on reported value of sales for these types in the 1974 Census of Agriculture. The 1969 and 1964 data were developed in a similar manner.

Value of agricultural products sold—This item represents the gross market value before taxes and production expenditures of all agricultural products sold or removed from the place in 1974 regardless of who received the payment. It includes receipts by the operator as well as the value of any shares received by partners, landlords, contractors and others associated with the place.

The total value of agricultural products represents the sum of all crops including nursery products sold, forest products sold, and poultry and livestock and their products sold. It does not include income from farm-related sources such as agricultural services, government farm programs, or recreation and other related sources, or income from nonfarm sources. Data from these sources of income are shown separately in various State and county tables.

The value of crops sold in 1974 does not necessarily represent sales from crops harvested in 1974. An examination of a sample of individual reports indicated extensive reporting of sales from crops produced in 1973. Some cash grain farms indicated that the 1974 grain crops were in storage and there were no sales from the 1974 crop. Likewise, some farms reported sales in 1974 from two different crop years.

Data for the value of agricultural products sold were obtained on both the regular and short forms directly from the respondents in the 1974 and 1969 Censuses of Agriculture. This procedure was a departure from the one used in previous censuses in which data on value of sales were obtained by enumeration for some products and were estimated for others.

For cases in which the farm operator failed to report a value of sales, estimates were made based on the amount of crops harvested or the numbers of livestock sold. Although similar procedures were used in earlier censuses, the extent of sales estimation has increased in each of the recent censuses. Extensive estimation of market values was required for farms growing or producing products under contract.

Caution should be applied when comparing sales in 1974 with sales reported in earlier censuses due to the extreme ranges in per unit prices between census years. Reported values for 1974 varied greatly from farm to farm because of the month-to-month price per-unit variations within the 1974 census year.

Farms by value of agricultural products sold—Counts of farms by value of agricultural products sold are shown by various size groups in a number of the county and State tables. Data are shown separately for all farms and for farms with sales of \$2,500 and over. Detailed characteristics of farms with sales of \$2,500 and over classified by value of sales are shown in State table 31. At the State level, 1974 farms with sales of \$100,000 and over have been further classified into three groups: \$100,000 to \$199,999, \$200,000 to \$499,999, and \$500,000 and over. These data are shown in State tables 15 and 28 through 33. Characteristics of farms with sales of under \$2,500 are shown by age and occupation of the farm operator in State table 9.

Under \$1,000 sales—In county summary table 33 and appendix B, the "Under \$1,000" category includes only those operations reporting sales less than \$1,000 and not having the potential resources on hand to produce \$1,000 or more in sales. In county table 3, county summary table 7, and State tables 4 and 9, the under \$1,000 category includes those farms reporting less than \$1,000 in sales, but having the potential for sales of \$1,000 or more.

\$1,000 to \$1,499 sales—For county summary table 7, this category includes

those farms reporting sales of under \$1,000, but having the potential for sales of between \$1,000 and \$2,500.

Under \$2,500 sales—In all tables except county summary table 7, the "All farms" category includes those farms with sales of under \$2,500 without regard to potential sales. In county summary table 7, the "under \$2,500 sales" category excludes abnormal farms and farms having the potential (unrealized in 1974) for sales of \$2,500 and over.

In county table 3 and State tables 9, 15, 26, and 28 through 33, the classification "Farms with sales of \$2,500 and over" (usually designated in column headings) includes farms reporting sales of under \$2,500, but having the production potential for sales of \$2,500 and over.

\$2,500 to \$4,999 sales—In county summary table 7 and in the boxhead for State table 31, this category includes those farms, other than abnormal farms, having reported sales of \$2,500 to \$4,999 and those farms with lesser sales but having the potential for sales of \$2,500 and over.

In county table 3, 1969 abnormal farms are classified in this sales group regardless of the value of their sales, but 1974 abnormal farms were classified according to their actual sales.

Farm sales by commodity or commodity group—In an effort to conform more closely to the 1972 Standard Industrial Classification (SIC), a number of commodity groupings were changed for 1974 from those used for 1969. The next seven definitions reflect changes; the last does not.

Other field crops—For 1974, this group includes the value of sales of peanuts, Irish potatoes, sweetpotatoes, sugar beets, sugar cane, popcorn, mint for oil, hops, etc. For 1969, the value of pineapples sold was also included.

Fruits, nuts, and berries—For 1974, the value of pineapple sold is included in this group. For 1969, pineapple was considered a field crop.

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Poultry and poultry products—For 1974, the value of poultry hatchery sales is included in this group. For 1969, it was not. The value of sales for poultry hatched is shown in State table 24 and in the county miscellaneous tables. (Also see **Poultry hatcheries** in this section).

Sheep, lambs, and wool—For 1974, the value of sales of these items is shown separately. For 1969, this value was combined with that for hogs, goats, and mohair.

Hogs and pigs—For 1974, the value of hogs and pigs sold is shown separately. For 1969, this value was combined with that for sheep, lambs, wool, goats, and mohair.

Goats and mohair—For 1974, the value of goats and mohair sold is shown separately in the county miscellaneous tables, and in aggregate with the value of other livestock and livestock products. For 1969, this value was combined with that for sheep, lambs, wool, and hogs.

Other livestock and livestock products—For 1974, the production of fish and laboratory animals is included in the agriculture census, whereas for 1969 it was not. The value of fish raised and sold and laboratory animals sold is included in the category "Other livestock and livestock products." Separate data on fish production and sales are shown in State table 24.

Forest products sold—As in previous censuses, the sales data shown for the 1974 census for this item relate only to forest products sold from farms. Commercial logging, timber, or other types of forest product operations or establishments are excluded, as are places selling only forest products. Such operations or establishments are excluded from being classed as agricultural production according to the Standard Industrial Classification in which they are classified as Forestry-Major Group 08.

Total farm production expenses—The overall completeness of expenditures data reported by farm operators for 1974 is poorer than for most recent censuses.

This is especially true for farms producing crops, livestock, or poultry under contract. The majority of such operators did not know and were unwilling to estimate the value of production inputs furnished by the contractor. The scope of this phenomenon has been increasing as the structure of agriculture becomes more complex, requiring increased estimations of production expenses during office processing of individual census reports. These estimates were made for individual expenditures, and were based on the scope of related crop and livestock information for the individual report, or in some cases on averages or ratios of expenditures reported by similar farms in the same geographic area.

The figures for 1974 and 1969 are heavily weighted by the effect of reporting of "All other production expenses." Some farmers may have misinterpreted the intent of this question and reported capital improvement expenditures, purchase of long-term assets, household expenses, and other personal expenditures; others may have failed to include all applicable items. Any calculations of net farm income based on this census figure should be used with caution.

Commercial fertilizer—Data for 1974 and 1969 include the cost of rock phosphate and gypsum. These items were excluded from the 1964 figures.

Other agricultural chemicals—These expenditures include the cost of all herbicides, fungicides, other pesticides, growth control chemicals, and defoliant used for crops or pastureland, and insecticides used for livestock and poultry during the census year. They also include expenditures for chemicals such as lime for soil treatment and sanitation, pesticides used for rodent and bird control, etc. A detailed breakdown by the purpose of the chemical application along with the related expenditure is shown for farms with sales of \$2,500 and over in county table 12 and State tables 13 and 28 through 33.

All other production expenses—This item was subject to extensive errors in report-

ing due to the complexity of concept and the numerous individual expense items eligible for inclusion in the one answer space. Respondents failed in many cases to follow the instructions specifying the type of expenditures to be included or excluded. Obvious errors were corrected during the processing, but the dollar figures for this item should be used with caution. For all statistical tables, this item includes the balance of production expenses for all items not already individually specified in the table.

Crop classifications—Some respondents reported crops on lines designated for other crops. Obvious errors were corrected during processing; however, not all errors were corrected. For example, the wheat categories were so poorly reported that for most States, data by kind of wheat are not published.

Hay crops—Data shown for hay represents all hay crops, including grass silage and hay cut green, unless otherwise specified. In showing production data for all hay crops, dry tons represent dry tonnage for the various hay categories and dry-weight equivalent for grass silage and hay cut and fed green. The conversion used was 3 tons green weight to one ton dry.

Land in vegetables—The total acres of land used for vegetables in 1974 shown in State table 8 and county summary table 28 are not fully comparable to the acres published for 1969. For 1974, the data are the land from which vegetables were harvested; for 1969 the acres shown are the sum of the acres of the individual crops harvested. In areas where more than one vegetable crop is grown on the same land during the season, comparability is affected.

Land in orchards—This 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 fruit, citrus, or nut trees, or of grapevines.

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Poultry hatcheries—The data shown for hatcheries do not represent the total of all hatchery production or value. The historical census concept of counting items as sold only if the product was taken from the farm dictated that only hatcheries which produced chicks, poults, and ducklings for sale or placement on other farms should be included in the census totals. Poultry hatched and raised for sale or for layer replacement on the same place have been excluded. For such operations, the value of sales from the final product, such as broilers, turkeys, or eggs, is counted in the census. The value of hatchery sales is included in the category "Poultry and poultry products" and is also shown separately in State table 24.

Fish production—The raising of fish for sale was included as agricultural production by the 1972 SIC, and data for such operations are included in the agriculture census for the first time in 1974. As the commercial raising of fish is a relatively new industry, the census mailing register covering fish production may have been incomplete. Information on fish production and sales is shown in State table 24 and in the county miscellaneous table 7.

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 for pollination). Several factors affect the completeness and accuracy of these data: First, bee and honey sales were enumerated separately only for farms with sales of \$2,500 and over. Many bee owners operate on a small scale, and their sales are not identified separately in the statistics. Second, some bee operations may not have been on the mailing list. Third, some operators on the mailing list may not have considered beekeeping to be an agricultural operation, and therefore did not report.

Total cropland—Total cropland consists of land from which crops were harvested or hay was cut; land in orchards, citrus

groves, vineyards, and nursery and greenhouse products; land used only for pasture or grazing; land in cover crops, legumes, and soil improvement grasses; land on which all crops failed; and land in cultivated summer fallow. It also includes cropland that is idle. This item may be overstated for 1974 and 1969 as compared to earlier censuses (see next paragraph).

Cropland used only for pasture or grazing—This category covers rotation pasture and grazing land that could have been used for crops without additional improvements. Land in this category may have been overstated in 1974 and 1969 due to a tendency of farm operators to report all pastureland in the first question relating to pastureland. Obvious errors were corrected during processing.

Other cropland—This category consists of land used for soil improvement crops, land on which all crops failed, and land in cultivated summer fallow. It also includes idle cropland.

Other land—In State tables 1 and 9, county table 1, and county summary table 2, other land refers to all land not otherwise itemized. It includes pastureland and rangeland other than cropland and woodland pasture, and house lots, barn lots, ponds, roads, wasteland, etc. In State tables 10 and 28, other land refers only to house lots, barn lots, ponds, roads, wasteland, etc.

Irrigation—Data on methods of irrigation and quantity of water used are shown in State table 12 and county table 13. More detailed statistical tables on these items, as well as more information on irrigated crop yields, are included in Volume II of the census.

Commercial fertilizer—The acreage fertilized and tonnage applied are shown along with the acreage harvested for most major crops and groups of other crops. The acreage fertilized may include some acreage on which part of a crop failed, but if all of a fertilized crop failed, fertilizer figures are not included with

data shown by crop. Instead, fertilized acreage on which all crops failed and tonnage are included in the totals shown for all acreage fertilized and tons applied. For most counties and States, the difference in acreage is not significant.

Other agricultural chemicals—Detailed data showing the general purposes for which chemicals were applied are published for farms with sales of \$2,500 and over. Some farm operators reported their total acreage treated by sprays, dusts, fumigants, etc., but did not allocate acreage according to the various purposes of the treatment. It was not feasible to allocate misreported data properly, so these data were added to "Other chemicals."

To a limited degree, then, detailed data for insect, nematode, disease, and weed control are incompletely reported and the item "Other chemicals" actually includes a sizeable amount of expenditures relating to these controls.

Grain storage capacity—A question on grain storage was asked for the first time in the 1974 census. No attempt was made to supply missing data for this item; instead, the number of farms not reporting are shown.

Artificial ponds, pits, reservoirs, and earthen tanks—This information was first collected for the 1954 census, but was not collected for 1969. In 1974, data were collected on the number of ponds, pits, reservoirs, and earthen tanks, and the area covered by them when filled to capacity.

Futures market—These data were collected to determine if the operator utilized the commodity futures market in 1974 to hedge sales of any farm commodities produced on the place. The data probably represent an overstatement of the actual number of farm operators using the futures market. Apparently, respondents were confused between futures market transactions and forward pricing agreements. Although obvious errors were corrected, the data should be used with caution.

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Contracts—The data published in State table 27 are shown essentially as reported, except for inconsistencies that were corrected. The published data are incompletely reported, partly because of the complex and varied nature of production and marketing contracts, and partly because of a lack of understanding, or more often a lack of knowledge, on the part of the respondents, of the facts. Some contracts were not reported at all, and for some reported contracts not all characteristics were given. The "Not reported" line in table 27 indicates the extent of incompleteness of reporting on the contract characteristics. Data on the amount received from the contractor varied from the full market value for some marketing contracts to only fractional values for some production contracts. More detailed data for individual items produced under contract are included in Volume II of the census.

Payroll and employment—For 1974 more data were collected than in previous agriculture censuses, to provide a more complete accounting and classification of hired labor involved in agriculture production. Data were collected on the number of workers by number of days worked, cash wages paid, and amount paid to contract workers and salaried corporation officers (see section 30 of the form for farms with sales of \$2,500 and over).

Some respondents who had sizeable numbers of seasonal workers during the year had difficulty reporting the number of workers by days worked, because their records were often not kept in such detail. County and State totals for the number of seasonal workers give a sizeable overcount for the number of hired workers actually involved in agriculture because many of them worked on more than one farm during the year and thus may have been counted more than once. Therefore, these data should be used with some caution.

Caution is also necessary with the data on contract labor. Some farm operators may not have distinguished clearly between hired labor and contract labor—workers hired through a labor contractor

or crewleader. This has resulted in a possible overstatement of the number of farms using contract labor, although the dollar amounts involved are generally small.

Likewise, salaries paid to corporate officers may include some worktime spent on nonfarm activities.

Injuries and illnesses—Information on injuries and illnesses was collected for the first time in the 1974 census. Information was obtained on the number of injuries and illnesses of hired workers, paid members of the operator's family, unpaid family members, and operators of farms with sales of \$2,500 or more. No data are shown in this report; however, several unpublished tabulations were made and copies are available for purchase upon request (see section 7. **Unpublished Data**). The unpublished data were tabulated as reported; no attempt was made to estimate for possible missing or under-reported data.

Farm credit—The census of agriculture has collected varying amounts of data relating to credit since 1890. Continuing changes in technology and agricultural practices have increased the amount of money and credit required for efficient farm operation. In lieu of the traditional separate finance survey, section 33 was added to the report form for farms with sales of \$2,500 and over to obtain information from farm operators on debts secured and not secured by real estate. The data collected are shown in county table 14, county summary table 31, and State tables 28 through 33, and in some unpublished tables on the financial characteristics of farm operators.

Debt secured by real estate relates to debt owed by the farm operator and secured by land owned and operated. Debt on land owned by the operator but rented to others was to be excluded. In county summary table 31, a ratio has been calculated of the debt secured by real estate to the value of owned land operated. This is one measure of the degree of indebtedness. Data for debts for secured by real estate pertain only to debt owed by the operator and exclude

debts owed by landlords, contractors, etc.

Farm fuel storage capacity—Questions were asked for the first time in the 1974 census on the on-farm storage capacity of gasoline, diesel fuel, LP gas, butane, and propane used for the farm business. However, a significant number of respondents failed to answer these questions or answered them incorrectly; for instance, many operators reported the total gallons purchased during the year instead of the fuel storage capacity. Such obvious errors were deleted, but since acceptable data were not obtained for substantial number of farms, none is shown in this report. Several tabulations were made, however, and unpublished data are available for purchase upon request (see section 7. **Unpublished Data**).

Income and expenses from farm-related sources—An expanded series of questions on farm-related income and expenses were asked of all farms in the 1974 census to obtain a more complete picture of the total income of farm operators from all sources. These sources include income and expenses associated with customwork and other agricultural services provided for farmers and others, recreational services, participation in government programs, renting out land, and other activity conducted on the farm or closely related to the farm. As a general rule, these other income sources are included if they are closely related, even though supplemental, to the farm operation. However, if they constitute a separate establishment or were conducted from another location, they are not included. For example, if a farm operator owned a company which furnished custom services to other farms, and that company and its income were reported in the 1974 Survey of Agricultural Services as a separate establishment, the income is not included in the data for this category. Also not included are reported sales of capital assets such as land, buildings, and machinery. Examples of income from other farm-related sources that are included are: payments from farm insurance damages, gas tax refunds, patronage dividends, expenditure rebates, farm

APPENDIX A Continued

machine and building rentals, and farm by-products sales.

Besides those expenses associated with customwork, recreational services, government programs, renting of farmland, etc., expenses include operating expenses, depreciation, taxes, interest, insurance, etc. However, the data shown for this item do not represent the total expenditures associated with farm-related income. The respondent was requested, if separate records were available, to report farm-related income expenses separately from farm production expenses. If the respondent did not report farm-related expenses separately, those expenses are assumed to be included in farm production expenses.

Differences in totals for some items—The total given in one table for an item may differ slightly from the total given in another table for the same item because of the rounding of fractions or the rounding to thousands.

6. Farm Classifications

State table 9 presents detailed data for all farms classified by selected value of sales groups; State tables 28 to 33 present detailed data for farms with sales of \$2,500 and over classified by specified characteristics—tenure of operator, type of organization, age and principal occupation of operator, size of farm (in acres), value of agricultural products sold, and standard industrial classification. In addition, this report contains a number of farm counts according to various characteristics, as well as frequency distributions of farms classified by value of sales of each of the principal farm enterprises.

Farms by tenure of operator—The classifications of tenure as used for both the 1974 and 1969 censuses are:

- a. Full owners, who operate only land they own;
- b. Part owners, who operate land they own and also land they rent from others; and
- c. Tenants, who operate only land they rent from others or work on shares for others.

Detailed data by tenure of operator and type of organization are shown in State table 28. For the 1964 census and earlier censuses, a separate classification was used for hired managers, in addition to full owners, part owners, and tenants. The manager classification was discontinued because managed farms became increasingly difficult to define and identify, especially with the mail enumeration. Farms which may be operated by hired managers for 1969 and 1974 are distributed among full owners, part owners, and tenants according to the reported ownership of the land in the place.

Farms by age of operator—Age of the farm operator was obtained for all farms with sales under \$2,500 and only for individual, family, or partnership operated farms having sales of \$2,500 and over. Characteristics of farms by two age-of-operator groups in combination with occupation information are shown in State table 9 for farms with sales of under \$2,500 and by six age groups in State table 29 for farms with sales of \$2,500 and over.

Racial and ethnic groups—These data were collected and tabulated for all farm operators with sales under \$2,500 and for those operators with sales of \$2,500 and over if they operated the farm as an individual or family or partnership. Each operator, except those in Hawaii, was asked to classify himself or herself into one of six racial or ethnic groups. For Hawaii, nine categories were provided.

For 1974, data are shown for "Blacks and other races"; "other races" includes American Indians, Hawaiians, Japanese, Chinese, Filipinos, Koreans, and any other separate racial group. The comparable data for 1969 are for Black-operated farms only. The farm operators reporting themselves to be of Spanish origin were included with the White race wherever separate data for "White" were shown. Counts of farm operators for each of the enumerated racial or ethnic groups are shown in county miscellaneous data table 14 for counties with three or more operators in any of the groups.

Farms by type of organization—This was the second census of agriculture for which farms were classified by type of organization; the first time was for the 1969 census. The respondent classified his own organizational status by marking a box opposite the type of organization which best described the way the place was operated in 1974. The classifications were:

- a. Individual or family operation (sole proprietorship), excluding partnership and corporation.
- b. Partnership operation, including family partnership.
- c. Corporation, including family corporation.
- d. Other, such as cooperative, estate or trust, prison farm, grazing association, Indian reservation, etc.

The farms were classified according to the information provided in section 37 of the regular form. Many of the reports which showed "other" as the type of organization came from institutional farms, Indian reservations, or other operations classified as "abnormal." Abnormal farms were not included in the tabulations for farms with sales of \$2,500 and over.

Some caution should be taken when comparing 1974 data for corporations with 1969 data. A followup study of the 1969 data indicated that a sizable number of farms were wrongly reported as corporate, especially in the Southern States. These errors in the 1969 data have not been corrected and are shown as originally published.

More detailed data obtained from a special survey of farms operated by corporations are included in **Volume IV, Special Reports**, of the 1974 Census of Agriculture.

Farms by value of sales—In earlier agricultural censuses, data were classified in nine groups referred to as "economic classes." The use of this term was discontinued for 1974; however, for farms with sales of \$2,500 or more in 1974, the value-of-products sold classifications are the same as the value ranges used for establishing economic classes 1 through 5

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in prior censuses and are therefore comparable. Some caution should be used in comparing value-of-sales data for 1974 with those of earlier censuses due to the substantial increase in prices received by farmers between the census periods.

Data for farms with sales of less than \$2,500, classified in earlier censuses as economic classes 6, part time, and part retirement, are not directly comparable to the 1974 value classes because of the change in farm definition and modifications in farm classification. For 1969, farms with sales of under \$2,500 were classified as:

- a. Class 6—\$50 to \$2,499 of farm product sales and a farm operator who is under 65 years of age and did not work off the farm 100 days or more in the census year.
- b. Part time—\$50 to \$2,499 of farm product sales and a farm operator who is under 65 years of age and worked off the farm 100 days or more in the census year.
- c. Part retirement—\$50 to \$2,499 of farm product sales and a farm operator who is 65 years or over.

If 1974 data shown in State table 9 and appendix B are combined, limited comparisons between 1969 and 1974 can be made as follows:

Compare 1969 class 6 farms with 1974 farms with sales of less than \$2,500 whose operators were under 65 years old and devoting 50 percent or more of their worktime to farming. Compare 1969 part-time farms with 1974 farms with sales of less than \$2,500 whose operators were under 65 years old and devoting less than 50 percent of their worktime to farming. Compare 1969 part-retirement farms with 1974 farms with sales of less than \$2,500 whose operators were 65 years old and over regardless of occupation.

Abnormal farms—This category includes institutional farms, experimental and research farms, and Indian reservations. Institutional farms include those operated by hospitals, penitentiaries, schools, grazing associations, government agencies, etc. Data for abnormal farms were in-

cluded in totals for all farms, but were excluded from data for farms with sales of \$2,500 or more. Characteristics of abnormal farms are shown in State table 9. The abnormal farms are comparable to abnormal farms of earlier censuses.

New classification of farms—A new classification series was used to present the data for the 1974 census. It was developed by the U.S. Department of Agriculture in cooperation with the Bureau of the Census to better describe today's agriculture and its complex relationships with other sectors of the economy. The major classifications are:

- a. Primary farm—A farm operated by an individual or family or partnership where the operator spends 50 percent or more of his worktime on the farm (considers farming to be the principal occupation) or a farm operated under a corporate structure which received 50 percent or more if its gross business (farm and nonfarm) from the sale of agricultural products.
- b. Part-time farm—A farm operated by an individual or partnership where the operator spends less than 50 percent of his worktime on the farm (does not consider farming to be the principal occupation).
- c. Business-associated farm—A farm operated under a corporated structure which received less than 50 percent of its gross business income (farm and nonfarm) from the sale of agricultural products.
- d. Abnormal farm—An institutional, experimental, or research farm, or an Indian reservation. An institutional farm is one operated by a hospital, penitentiary, school, grazing association, government agency, etc.

Some new classifications are not yet available. Data necessary to classify corporations as primary or business-associated are being collected in a separate survey. It will be published, along with data for individuals and partnerships, in a later report. However, the classifications for individual or family operated farms, for

partnerships, and for abnormal farms are described in the following discussion of data presented by principal occupation of the farm operator.

Farms by principal occupation—Information was obtained on the occupation of the farm operator in 1974 to provide the basis for the new farm classification. Data on occupation were not obtained in 1969. The principal occupation classification for farms with sales of \$2,500 and over relates only to farms operated by individuals or families (sole proprietorships) and partnerships. Farm characteristics are shown by age of the operator and occupation for farms with sales of under \$2,500 in State table 9 and for farms with sales of \$2,500 and over in State table 29.

The classifications used for 1974 were:

- a. Farming—The principal occupation of the operator if he spent 50 percent or more of his worktime in 1974 in farming.
- b. Other—The principal occupation of the operator if he spent 50 percent or more of his work time in 1974 at occupations other than farming. Some operators engaged in ranching marked "other" as their principal occupation. Most such obvious errors were corrected during the processing operation.

Farms operated by persons who consider themselves farmers by occupation would be classified as primary farms under the new classification. Likewise, those farms operated by persons who consider themselves as having occupations other than farming would be classified as part-time farms.

Farms by size—All farms were classified by size according to the total land area established for each farm (acres in this place). Detailed characteristics of farms with sales of \$2,500 and over by 12 size-of-farm groups are presented in State table 30. The same classification was used for all States. By definition, a farm was an operating unit, not an ownership tract.

In the case of a landlord who had assigned land to tenants, the land assigned

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to each tenant was considered a separate farm even though the landlord may have considered the entire landholding as one unit in respect to supervision, equipment, rotation practice, purchase of supplies, or sale of products.

Farms by type—Data from the 1974 census are being published in accordance with the expanded classification system for agricultural production published in the 1972 edition of the Standard Industrial Classification (SIC) Manual. In general, the SIC classifications published for 1974 are comparable to the historical type-of-farm classifications except that the expanded SIC provides the potential for a more detailed classification.

Farms by standard industrial classification—A standard classification for agricultural production establishments (farms, ranches, nurseries, greenhouses, etc.) has been evolving over the entire lifetime of the SIC system, but at a less rapid rate than in other producing sectors of the economy, primarily because of the diversity of production typical of most farms. In recent years, increasing specialization by agricultural producers has encouraged the creation of a more detailed set of classifications. These classifications, found in the 1972 SIC Manual, are intended to promote uniformity and comparability in the presentation of statistical data collected by various agencies.

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

Detailed characteristics of farms with sales of \$2,500 or more for selected SIC groupings are shown in State tables 32 and 33 and county summary table 6. Additional and more complete 1974 data for various SIC classifications will be shown in Volume II.

Farms not classified by SIC—Some farms included in the 1974 Census of Agriculture did not meet the official specifications of the standard industrial classification for agricultural activities. Sales of forest products, which by historical census definition are included in the total value of farm products sold, are excluded by the SIC classification system. Therefore, farms having more than one-half of their sales from forest products are excluded from SIC classification. In addition, those farms having a significant proportion (but less than half) of their sales from forest products and not meeting the definition of one of the two categories of general farms are also excluded from SIC classification.

7. Unpublished Data

Data collected and tabulated primarily to meet the needs of specific governmental users have been assembled in a series of unpublished tables. The table headings and stubs of most of these tables have more frequent data intervals and size groupings than those published in Volume I. In some cases, the tables display the data in a format specified by certain data users. Most tables provide State level statistics.

The principal unpublished tabulations available are on:

- Farm contracts.
- Fuel storage capacity.
- Grain storage capacity.
- Grazing permits.
- Hired workers.
- Injuries and illnesses.
- Irrigated and nonirrigated crop yields.
- Land use by size of farm.
- Selected farm characteristics by—
 - Standard industrial classification
 - Debt status.
 - Race or origin.

Age of farm operator.

Days worked off-farm by the operator.

Utilization of futures market.

In addition some data were tabulated extending frequency distributions for already published items. These tabulations are in the same format as State tables 28 through 33.

For information on the content and cost of the unpublished tabulations, please write to the Chief, Agriculture Division, Bureau of the Census, Washington, D.C. 20233.

8. Nonsampling Errors

Every census or survey has some errors. These can arise from such sources as incorrect or incomplete reporting, processing errors, and the inability to obtain a response from all farmers. Limited sampling was done in this census, and most of the error is of the nonsampling type.

Reported data may be incorrect due to misunderstanding of questions or the use of estimates in reporting. During processing, adjustments are made to data items which appear to be inconsistent with other items.

Respondents may fail to provide all of the information requested. In some cases, the respondent may indicate the presence of an item but not the amount. Imputations were made for missing data on the quantities and sales values of crops and livestock, but no imputations were made for such items as forest products sold, injuries and illnesses, and farm credit.

An adjustment was made for operations on the mailing list which did not respond to the census. This adjustment employed sampling, and variation from the adjustment is measured in sampling errors; however, any systematic bias is not measured. The methodology for this adjustment is described in section 10. **Statistical Adjustments.**

There was considerable undercoverage of smaller farms because a large number of these places were not represented in

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any of the administrative records of places associated with agricultural operations and, consequently, were not on the final mailing list. On the other hand, some names were on the mailing list more than once. Duplication was eliminated in the processing to a large extent, but some remains, particularly for farms whose operation changed hands, in whole or in part, while the list was being developed. Measures of final undercoverage are provided in section 9. **Census Coverage.**

9. Census Coverage

Although a complete and fully accurate count of farms, farmland, and farm production is the aim of each nationwide census of agriculture, the complex structure of America's agriculture makes this aim difficult to achieve. Among the complexities are the many places to be enumerated, the variety of arrangements under which farms are operated, the continuing changes in the relationship of farm operators to the land operated, the expiration of leases and the initiation or renewal of leases, the problem of obtaining a complete listing of all agricultural operators, the difficulty of locating and identifying some farms, the operator's absence from his farm during mail effort and followup procedures, and the operator's opinion that some or all of his agricultural operations should not be included in the census.

An evaluation of the coverage has been conducted for each census of agriculture since 1945. Although its primary purpose is to pinpoint problem areas and supply evidence upon which to base improvements, the coverage check also provides users of census data with estimates of the completeness of census counts. Preliminary results of a coverage check for this State indicate that about 81 percent of all farms are included in the census. The farms included are estimated to account for more than 97 percent of the total value of sales of agricultural products in 1974.

More detailed information, reporting coverage by size and type of farm and by

geographic area, are included in a separate report of the 1974 Census of Agriculture.

10. Statistical Adjustments

Report forms were obtained and tabulated for all the identified larger farms (in general, those with expected sales of \$40,000 and over). In the few instances where the operator did not supply the required information, data were obtained from secondary sources. By means of detailed, programmed edit specifications, adjustments or corrections were made during the computer-edit operation for internally incomplete or inconsistent data. The review procedures provided for computer printouts of edit changes to an item that exceeded specified limits. These changes were then reviewed for reasonableness by members of the processing staff and necessary corrections made.

Nonresponse

The statistics for each State and county were adjusted to account for smaller operations which did not respond in the census. The number of farms for which adjustment was made was estimated on the basis of the results of a canvass of a random sample of mailing register addressees who did not respond during the regular census followup period. The figures supplied by a stratified sample of addressees who did respond were then expanded to represent the nonrespondents and included in the census totals.

Table A shows for selected items for the State the percent of the published total that the nonresponse adjustment represents. These percentages indicate the potential for bias in published figures due to nonresponse, i.e., the extent to which the actual data for nonrespondents may not agree with the nonresponse adjustments. The probable range of difference is unknown. However, the degree of uncertainty regarding the accuracy of the data increases as the percentage of the total represented by the nonrespondent adjustment increases.

Table A. Percent of State Total Represented by Adjustment for Whole Farm Nonresponse: 1974

Item	Percent of total
Number of farms	12.0
Land in farms	8.3
Value of products sold	3.2
Harvested cropland	7.5
Inventory:	
Cattle and calves	6.4
Chickens 3 months old or older	1.0
Hogs and pigs.	3.5

Sampling

During the construction of the mailing list for the census, names obtained from various sources were matched to eliminate duplicates. Names that only appeared on the list provided by the Agricultural Stabilization and Conservation Service were randomly sampled at a rate varying by State from 100% to 10%, and only those drawn in the sample were asked to complete census reports. The census reports obtained were expanded to estimate the totals for all the farms on the "ASCS only" list. The farms in the sample generally were small in size, but they occasionally included some larger farms. The States sampled at a 100% rate (all ASCS only names included in the mailing register) were Alaska, Delaware, Hawaii, Nevada, New Jersey, and West Virginia.

Reliability of Adjustments for Nonresponse and Sampling

Table B shows estimates of reliability of the published totals for selected data items for the State. These estimates include the variability from sampling the "ASCS only" list and the variability from using the random selection of respondent farms weighted by expansion factors to represent nonrespondent farms. For computing the estimates of variability due to weighting for nonresponse, the farms selected for weighting were considered to be a random sample of all farms in the stratum from which they were selected. The variances from the two

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sources—the ASCS only use and the nonresponse adjustment—were combined in the usual manner to provide the estimates of reliability.

There is approximately 67% confidence that the difference between the published estimate and the figure that

would have been obtained if there were no variability involved is not more than the percentage presented in the table for a specific item. There is approximately 95% confidence that the difference is less than twice the percentage given.

As calculated for this report, the

standard error measures the effect of certain nonsampling errors, but does not measure any systematic biases in the data arising from incorrect reporting by respondents or adjustments for nonresponse, or incompleteness of the mailing list.

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Table B. Estimates of the Reliability of Published Totals for Selected Items: 1974

County	Land in farms		Value of land and buildings		Harvested cropland		Value of crops sold		Value of livestock and poultry sold	
	Acres	Standard error (percent)	Dollars (1,000)	Standard error (percent)	Acres	Standard error (percent)	Dollars (1,000)	Standard error (percent)	Dollars (1,000)	Standard error (percent)
Massachusetts, total	601 734	.7	578 024	.8	188 015	.7	49 390	.4	92 464	.4
Barnstable . . .	4 495	6.5	12 264	7.1	1 435	5.9	854	6.7	116	.3
Berkshire . . .	73 110	2.3	51 621	2.7	21 199	1.9	1 106	3.6	8 779	1.9
Bristol	42 074	3.3	53 563	4.6	14 901	2.5	3 090	2.4	10 324	1.5
Dukes	9 116	.9	7 848	.3	418	.7	70	1.2	41	.1
Essex	28 868	2.6	45 239	3.4	11 984	2.2	1 944	1.2	4 401	1.4
Franklin	72 909	1.8	48 177	2.3	20 937	1.7	6 264	1.2	8 372	1.8
Hampden	42 123	2.9	35 498	2.8	13 667	3.7	7 280	.6	4 495	2.3
Hampshire . . .	64 891	2.1	48 097	1.7	23 221	1.3	6 674	1.1	9 263	1.3
Middlesex . . .	42 974	2.2	84 360	2.0	18 088	2.0	5 249	1.5	13 836	.4
Nantucket . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Norfolk	11 965	2.8	23 015	4.1	3 309	3.4	409	6.4	1 958	2.3
Plymouth . . .	77 404	1.3	65 120	1.4	17 642	.8	9 743	.7	7 425	.4
Suffolk	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Worcester . . .	130 746	1.9	100 134	1.8	40 945	2.4	6 583	1.2	23 451	1.0

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Table B. Estimates of the Reliability of Published Totals for Selected Items: 1974—Con.

County	Cattle and calves on farms		Chickens 3 months old and older on farms		Hogs and pigs on farms		Corn harvested for all purposes		Hay harvested	
	Number	Standard error (percent)	Number	Standard error (percent)	Number	Standard error (percent)	Acres	Standard error (percent)	Acres	Standard error (percent)
Massachusetts, total	103 938	.7	1 956 434	.8	43 229	.7	37 409	.8	110 327	1.1
Barnstable . . .	134	.0	1 023	4.8	16	(¹)	10	.0	260	(¹)
Berkshire . . .	14 235	1.8	74 173	.6	277	7.7	5 042	3.1	16 041	1.7
Bristol	10 789	2.7	153 441	.1	8 830	2.2	3 791	3.2	7 103	4.6
Dukes	158	.9	300	1.4	7	.0	29	.0	283	.0
Essex	5 246	2.9	106 811	.3	5 435	1.6	1 250	3.2	8 434	3.1
Franklin	14 923	3.0	37 255	.5	246	1.1	5 310	1.8	13 238	2.3
Hampden	6 829	2.4	52 474	3.3	1 147	4.4	3 134	2.4	6 921	6.6
Hampshire . . .	11 619	2.0	223 822	.2	2 011	2.5	5 872	1.4	11 736	2.2
Middlesex . . .	6 592	2.1	464 282	.2	7 414	1.3	1 775	3.6	10 106	3.3
Nantucket . . .	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Norfolk	1 867	2.5	38 727	11.0	1 276	3.2	297	.6	2 326	3.4
Plymouth . . .	7 598	.8	107 402	1.4	3 202	.5	3 097	.9	4 615	2.8
Suffolk	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Worcester . . .	23 918	1.5	696 662	2.1	13 368	1.5	7 802	2.3	29 234	2.8

¹ Estimated coefficient of variation is 25.0 percent or greater. These coefficients are usually associated with small data values and when a significant portion of the total is derived from estimates for nonrespondents and sample reports.

APPENDIX B. Characteristics of Agricultural Operations Qualifying as Farms by the 1959 Definition But Excluded by the 1974 Definition: 1974 and 1969

Farm or Farms in the data line captions below means agricultural operations qualifying as farms by 1959 definition but excluded by 1974 definition (see p. IX, Farm Definition)

	Specified excluded agricultural operations, 1974					Farms with sales under \$1,000, 1969			
	Total	By occupation and age of operator				Total	Class 6	Part time	Part retirement
		Occupation farming		Occupation other than farming					
		Less than 65 years old	65 years old and over	Less than 65 years old	65 years old and over				
Farms and Land in Farms									
Farms	630	76	58	419	77	1 356	193	893	270
Land in farms	29 018	3 100	3 313	19 411	3 194	83 932	10 386	55 459	18 087
Average size of farm	46	41	57	46	41	62	54	62	67
Value of land and buildings	37 075	4 435	2 185	26 036	4 418	51 111	9 185	33 898	8 027
Average per farm	58 849	58 359	37 680	62 137	57 383	37 692	47 592	37 960	29 730
Average per acre	1 278	1 431	660	1 341	1 383	609	884	611	444
Farms by value of farm:									
\$1 to \$9,999	63	14	12	26	11	277	28	169	80
\$10,000 to \$19,999	80	10	9	49	12	292	45	179	68
\$20,000 to \$39,999	163	16	21	111	15	382	59	259	64
\$40,000 to \$69,999	168	19	5	122	22	237	23	169	45
\$70,000 to \$99,999	64	3	5	52	4	70	7	59	4
\$100,000 and over	92	14	6	59	13	98	31	58	9
Owned and rented lands by farm operators:									
Land owned	612	73	58	404	77	1 313	180	863	270
Land rented or leased from others	61	7	-	48	6	156	45	99	12
Land rented or leased to others	73	12	6	50	5	168	19	111	38
	1 221	166	102	798	155	3 590	350	2 526	714
Land in Farms According to Use									
Total cropland	519	52	46	361	60	1 216	163	813	240
Harvested cropland	5 652	509	685	3 912	546	22 809	3 728	14 828	4 253
Farms by acres harvested:	315	41	33	203	38	933	133	614	186
1 to 9 acres	277	35	32	179	31	521	71	334	116
10 to 19 acres	38	6	1	24	7	229	35	165	29
20 to 29 acres	-	-	-	-	-	114	11	76	27
30 to 49 acres	-	-	-	-	-	56	11	37	8
50 to 99 acres	-	-	-	-	-	13	5	2	6
100 acres and over	-	-	-	-	-	-	-	-	-
Cropland used only for pasture or grazing	292	15	19	231	27	643	78	473	92
Other cropland (see text)	2 760	102	291	2 087	280	9 454	1 536	6 610	1 308
Woodland, including woodland pasture	81	8	4	66	3	219	31	145	43
Other land (see text)	1 572	236	292	954	90	3 483	637	1 912	934
Irrigated land	390	44	28	277	41	845	96	612	137
	16 354	1 796	1 012	12 327	1 219	47 209	4 658	33 320	9 231
	467	47	38	322	60	912	133	597	182
	7 012	795	1 616	3 172	1 429	13 914	2 000	7 311	4 603
	29	7	-	16	6	85	9	62	14
	53	17	-	30	6	214	63	122	29
Race and Tenure of Operator									
All farm operators:	569	69	58	371	71	1 205	152	794	259
Full owners	43	4	-	33	6	107	27	69	11
Part owners	18	3	-	15	-	44	14	30	-
Tenants	564	69	58	366	71	1 204	152	794	258
White farm operators:	43	4	-	33	6	106	27	68	11
Full owners	18	3	-	15	-	44	14	30	-
Part owners	5	-	-	5	-	1	-	-	1
Tenants	-	-	-	-	-	1	-	1	-
Black and other races (see text):	-	-	-	-	-	-	-	-	-
Full owners	-	-	-	-	-	-	-	-	-
Part owners	-	-	-	-	-	-	-	-	-
Tenants	-	-	-	-	-	-	-	-	-
Farm Operator Characteristics¹									
Farm operators by age group:	17	-	-	17	-	24	4	20	-
Under 25 years	63	12	-	51	-	128	14	114	-
25 to 34 years	116	12	-	104	-	259	28	231	-
35 to 44 years	159	18	-	141	-	358	79	279	-
45 to 54 years	140	34	-	106	-	317	68	249	-
55 to 64 years	135	-	58	-	77	270	-	-	270
65 years and over	51.7	49.6	71.9	45.8	70.8	52.1	50.0	46.8	71.2
Average age	474	52	30	330	62	1 012	137	679	196
Farm operators by place of residence:	1	1	-	-	-	-	-	-	-
On farm operated	17	1	1	13	2	162	19	113	30
On another farm	22	3	2	16	1	-	-	-	-
In a rural area not on a farm	593	62	50	408	73	(NA)	(NA)	(NA)	(NA)
In a city, town, or urban area	126	34	36	23	33	(NA)	(NA)	(NA)	(NA)
Farm operators reporting days of work off farm	467	28	14	385	40	1 118	67	893	158
None	25	9	2	15	6	79	46	-	33
Any	25	9	4	11	1	36	21	-	15
1 to 49 days	34	7	-	26	1	115	-	93	22
50 to 99 days	40	1	4	24	11	888	-	800	88
100 to 149 days	343	9	4	309	21	-	-	-	-
150 to 199 days	-	-	-	-	-	-	-	-	-
200 days and over	134	76	58	-	-	(NA)	(NA)	(NA)	(NA)
Farm operators by principal occupation:	496	-	-	419	77	(NA)	(NA)	(NA)	(NA)
Forming	-	-	-	-	-	(NA)	(NA)	(NA)	(NA)
Other	-	-	-	-	-	(NA)	(NA)	(NA)	(NA)

¹1974 data apply only to individual or family operations (sole proprietorships) and partnerships; see text.

APPENDIX B Continued

Farm or Farms in the data line captions below means agricultural operations qualifying as farms by 1959 definition but excluded by 1974 definition (see p. IX, Farm Definitions)

	Specified excluded agricultural operations, 1974					Farms with sales under \$1,000, 1969			
	By occupation and age of operator					Total	Class 6	Part time	Part retirement
	Occupation farming		Occupation other than farming						
	Total	Less than 65 years old	65 years old and over	Less than 65 years old	65 years old and over				
Farm Operator Characteristics¹ - Continued									
Farm operators by off-farm income:									
Reporting any	247	35	20	159	33	(NA)	(NA)	(NA)	(NA)
Off-farm income equal to or greater than value of farm products sold	219	30	20	138	31	(NA)	(NA)	(NA)	(NA)
Off-farm income less than value of farm products sold	28	5	-	21	2	(NA)	(NA)	(NA)	(NA)
Not reporting or reporting none	383	41	38	260	44	(NA)	(NA)	(NA)	(NA)
Farms by Size									
1 to 9 acres	122	18	19	70	15	250	42	143	65
10 to 49 acres	346	40	20	242	44	540	73	378	89
50 to 99 acres	53	10	5	29	9	137	30	86	21
100 to 139 acres	34	3	8	18	5	142	13	103	26
140 to 179 acres	29	1	2	26	-	149	23	91	35
180 to 219 acres	12	-	2	9	1	69	7	54	8
220 to 259 acres	18	3	-	13	2	15	1	7	7
260 to 499 acres	7	-	-	7	-	21	1	14	6
500 acres and over	3	-	-	3	-	22	1	8	13
	6	1	2	2	1	11	2	9	-
Value of Products Sold									
Market value of all agricultural products sold (see text) \$1,000	179	23	18	118	20	480	70	315	96
Average per farm dollars	284	299	315	282	259	354	361	352	356
Farms by value of agricultural products sold:									
Under \$250	330	41	23	225	41	563	80	364	119
\$250 to \$499	138	14	22	85	17	351	46	239	66
\$500 to \$999	162	21	13	109	19	442	67	290	85
Crops and hay sold farms	159	20	21	98	20	671	88	431	152
\$1,000	69	8	9	42	10	302	43	199	60
Nursery and greenhouse products farms	34	6	2	23	3				
\$1,000	12	2	1	8	3				
Forest products farms	37	3	5	26	3	82	10	45	27
\$1,000	7	(Z)	1	5	1	13	1	4	7
Livestock and livestock products farms	272	28	17	201	26	471	66	318	87
\$1,000	79	9	7	57	5	165	26	111	29
Poultry and poultry products farms	44	9	3	22	10				
\$1,000	12	3	1	5	3				
Production Expenses									
Total farm production expenses farms	622	75	53	417	77	1 356	193	893	270
\$1,000	545	71	35	387	53	1 718	354	1 049	316
Farms with expenditures of-									
\$1 to \$499	241	19	27	156	39	364	48	230	86
\$500 to \$999	207	38	17	130	22	321	23	237	61
\$1,000 to \$1,999	120	10	5	94	11	671	122	426	123
\$2,000 and over	54	8	4	37	5				
Livestock and poultry purchased farms	234	32	19	163	20	360	37	271	52
\$1,000	46	7	4	32	3	106	10	75	20
Feed for livestock and poultry farms	436	52	28	307	49	713	101	512	100
\$1,000	140	16	10	98	16	240	48	146	45
Commercially mixed formula feeds farms	295	41	28	185	41	(NA)	(NA)	(NA)	(NA)
tons	521	80	53	299	89	(NA)	(NA)	(NA)	(NA)
\$1,000	78	11	8	47	12	(NA)	(NA)	(NA)	(NA)
Seeds, bulbs, plants, and trees farms	215	35	30	133	17	424	45	283	96
\$1,000	13	2	2	8	1	26	3	18	5
Commercial fertilizer farms	241	38	27	156	20	680	101	446	133
\$1,000	15	2	1	11	1	72	14	46	12
Other agricultural chemicals (see text) farms	142	16	9	105	12	634	81	456	97
\$1,000	6	(Z)	(Z)	5	1	47	7	34	6
Gasoline and other petroleum fuel and oil for the farm business farms	535	64	45	363	63	1 272	187	827	258
\$1,000	65	8	4	46	7	145	32	84	29
Hired farm labor farms	80	14	5	46	15	442	71	271	100
\$1,000	39	9	(Z)	24	5	193	64	84	45
Contract labor farms	28	3	1	20	4	366	42	267	57
\$1,000	7	(Z)	(Z)	5	2	61	9	44	8
Machine hire and customwork farms	80	8	4	58	10				
\$1,000	7	1	(Z)	5	2				
Other production expenses farms	490	64	40	329	57	1 009	141	677	191
\$1,000	207	25	13	153	16	830	167	517	146
Farm-Related Income and Expenses									
Farm-related income farms	96	16	1	72	7	(NA)	(NA)	(NA)	(NA)
\$1,000	133	32	(Z)	89	11	(NA)	(NA)	(NA)	(NA)
Customwork and other agricultural services farms	25	4	-	19	2	80	24	46	10
\$1,000	54	24	-	27	3	102	41	52	9
Recreational services farms	11	-	-	11	-	34	3	30	1
\$1,000	36	-	-	36	-	88	10	74	4
Government farm programs farms	26	1	1	20	4	183	24	123	36
\$1,000	6	(Z)	(Z)	6	(Z)	40	9	25	5
Rent of farmland or from lease or sale of allotments farms	43	9	-	32	2	(NA)	(NA)	(NA)	(NA)
\$1,000	24	3	-	14	7	(NA)	(NA)	(NA)	(NA)
Other farm-related sources farms	8	3	-	4	1	(NA)	(NA)	(NA)	(NA)
\$1,000	13	5	-	7	2	(NA)	(NA)	(NA)	(NA)
Expenses for farm-related income sources farms	25	3	1	20	1	(NA)	(NA)	(NA)	(NA)
\$1,000	59	7	(Z)	52	(Z)	(NA)	(NA)	(NA)	(NA)

¹1974 data apply only to individual or family operations (sole proprietorships) and partnerships; see text.

APPENDIX B Continued

Farm or Farms in the data line captions below means agricultural operations qualifying as farms by 1959 definition but excluded by 1974 definition (see p. IX, Farm Definition)

	Specified excluded agricultural operations, 1974					Farms with sales under \$1,000, 1969			
	Total	By occupation and age of operator				Total	Class 6	Part time	Part retirement
		Occupation farming		Occupation other than farming					
		Less than 65 years old	65 years old and over	Less than 65 years old	65 years old and over				
Selected Machinery and Equipment									
Automobiles..... farms.....	426	45	40	286	55	819	123	542	154
..... number.....	533	52	46	367	68	1 118	166	782	170
Motortrucks, including pickups..... farms.....	434	53	34	298	49	740	128	488	124
..... number.....	494	62	35	344	53	963	186	615	162
Tractors, excluding garden tractors and motor tillers..... farms.....	447	53	32	302	60	847	121	555	171
..... number.....	531	70	39	353	73	1 220	183	805	232
Wheeltractors, excluding garden tractors and motor tillers..... farms.....	436	53	32	293	58	(NA)	(NA)	(NA)	(NA)
..... number.....	502	69	34	332	67	(NA)	(NA)	(NA)	(NA)
Crowler tractors..... farms.....	29	1	1	21	6	(NA)	(NA)	(NA)	(NA)
..... number.....	29	1	1	21	6	(NA)	(NA)	(NA)	(NA)
Grain and bean combines, self-propelled..... farms.....	-	-	-	-	-	2	-	2	-
..... number.....	-	-	-	-	-	2	-	2	-
Cornpickers, corn heads, and picker-shellers..... farms.....	1	1	-	-	-	16	4	9	3
..... number.....	2	2	-	-	-	16	4	9	3
Corn heads for combines..... farms.....	-	-	-	-	-	(NA)	(NA)	(NA)	(NA)
..... number.....	-	-	-	-	-	(NA)	(NA)	(NA)	(NA)
Other cornpickers and picker-shellers..... farms.....	1	1	-	-	-	(NA)	(NA)	(NA)	(NA)
..... number.....	2	2	-	-	-	(NA)	(NA)	(NA)	(NA)
Mower conditioners..... farms.....	12	1	2	8	1	(NA)	(NA)	(NA)	(NA)
..... number.....	14	1	2	10	1	(NA)	(NA)	(NA)	(NA)
Pickup balers..... farms.....	54	6	2	38	8	207	36	134	37
..... number.....	54	6	2	38	8	210	38	135	37
Windrowers, pull and self-propelled..... farms.....	22	3	1	15	3	(NA)	(NA)	(NA)	(NA)
..... number.....	22	3	1	15	3	(NA)	(NA)	(NA)	(NA)
Field forage harvesters, shear bar or flywheel type..... farms.....	6	2	-	4	-	(NA)	(NA)	(NA)	(NA)
..... number.....	8	4	-	4	-	(NA)	(NA)	(NA)	(NA)
Estimated market value of all machinery and equipment..... farms.....	598	70	47	407	74	1 272	185	833	254
..... \$1,000.....	4 111	479	318	2 713	601	3 918	725	2 594	599
Farms by value of machinery and equipment:									
\$1 to \$999.....	24	3	2	18	1	218	28	135	55
\$1,000 to \$4,999.....	195	18	11	148	18	792	96	528	168
\$5,000 to \$9,999.....	286	42	30	177	37	216	52	137	27
\$10,000 to \$19,999.....	73	5	3	49	16	38	7	27	4
\$20,000 to \$29,999.....	18	2	1	13	2	-	-	-	-
\$30,000 to \$49,999.....	2	-	-	2	-	-	-	-	-
\$50,000 and over.....	-	-	-	-	-	8	2	6	-
Livestock and Poultry									
Livestock and poultry inventory:									
Cattle and calves..... farms.....	127	20	12	86	9	358	56	258	44
..... number.....	425	58	42	286	39	2 332	406	1 691	235
Cows and heifers that had calved..... farms.....	79	15	6	51	7	250	36	184	30
..... number.....	218	43	17	139	19	807	147	576	84
Beef cows..... farms.....	63	13	4	45	1	179	26	137	16
..... number.....	170	36	8	121	5	629	94	474	61
Milk cows..... farms.....	29	7	6	10	6	90	17	56	17
..... number.....	48	7	9	18	14	178	53	102	23
Hogs and pigs..... farms.....	44	5	-	37	2	52	-	42	10
..... number.....	189	28	-	137	24	367	-	347	20
Litters of pigs farrowed between December 1 of preceding year and November 30..... farms.....	19	3	-	14	2	8	1	7	-
..... number.....	53	14	-	31	8	44	1	43	-
Sheep and lambs..... farms.....	90	9	6	61	14	188	24	119	45
..... number.....	858	103	34	603	118	3 515	570	1 843	1 102
Horses and ponies..... farms.....	221	14	9	176	22	364	60	262	42
..... number.....	900	69	32	692	107	1 700	427	1 094	179
Chickens 3 months old or older..... farms.....	102	16	6	64	16	150	9	105	36
..... number.....	2 974	559	296	1 569	550	5 915	89	3 752	2 074
Hens and pullets of laying age..... farms.....	99	16	6	61	16	131	8	88	35
..... number.....	2 654	511	296	1 347	500	4 215	68	2 794	1 353
Broilers and other meat-type chickens..... farms.....	9	-	-	9	-	1	-	-	1
..... number.....	82	-	-	82	-	200	-	-	200
Other livestock and poultry..... farms.....	129	19	2	100	8	151	14	111	26
Livestock and poultry sold:									
Cattle and calves..... farms.....	53	6	8	36	3	194	27	142	25
..... number.....	144	15	14	106	9	693	137	430	126
Hogs and pigs..... farms.....	20	3	-	15	2	15	1	12	2
..... number.....	204	75	-	89	40	123	2	116	5
Feeder pigs sold..... farms.....	9	1	-	6	2	-	-	-	-
..... number.....	174	67	-	67	40	-	-	-	-
Sheep and lambs..... farms.....	50	5	-	37	8	140	22	80	38
..... number.....	371	34	-	282	55	1 583	219	813	551
Horses and ponies..... farms.....	67	5	3	55	4	70	15	50	5
..... number.....	118	8	10	94	6	127	19	96	12
Chickens 3 months old or older..... farms.....	16	2	2	6	6	19	4	11	4
..... number.....	540	32	141	137	230	7 360	2 641	2 371	2 348
Hens and pullets of laying age..... farms.....	15	2	1	6	6	16	4	11	1
..... number.....	438	30	41	137	230	4 990	2 641	2 331	18
Broilers and other meat-type chickens..... farms.....	3	1	1	1	-	4	-	4	-
..... number.....	831	800	25	6	-	408	-	408	-
Other livestock and poultry..... farms.....	62	11	3	41	7	(NA)	(NA)	(NA)	(NA)
Crops Harvested									
Field corn for all purposes..... farms.....	1	-	-	1	-	59	11	42	6
..... acres.....	3	-	-	3	-	375	110	180	85
For grain or seed..... farms.....	-	-	-	-	-	17	1	12	4
..... acres.....	-	-	-	-	-	122	4	46	72
Cut for silage, green chop, or dry fodder, or hogged or grazed..... farms.....	1	-	-	1	-	5 160	220	1 340	3 600
..... acres.....	3	-	-	3	-	48	10	36	2
.....						253	106	134	13

APPENDIX B Continued

Farm or Farms in the data line captions below means agricultural operations qualifying as farms by 1959 definition but excluded by 1974 definition (see p. IX, Farm Definition)

	Specified excluded agricultural operations, 1974					Farms with sales under \$1,000, 1969			
	Total	By occupation and age of operator				Total	Class 6	Part time	Part retirement
		Occupation farming		Occupation other than farming					
		Less than 65 years old	65 years old and over	Less than 65 years old	65 years old and over				
Crops Harvested - Continued									
Sorghums for all purposes, except sirup.....	farms.. 1	-	-	1	-	10	-	6	4
For grain or seed.....	acres.. 3	-	-	3	-	32	-	28	4
	farms.. -	-	-	-	-	-	-	-	-
	acres.. -	-	-	-	-	-	-	-	-
	bushels.. -	-	-	-	-	-	-	-	-
Cut for silage, green chop, dry forage or hay, or hogged or grazed.....	farms.. 1	-	-	1	-	10	-	6	4
	acres.. 3	-	-	3	-	32	-	28	4
Wheat for grain.....	farms.. -	-	-	-	-	3	-	3	-
	acres.. -	-	-	-	-	17	-	17	-
	bushels.. -	-	-	-	-	300	-	300	-
Other small grains for grain.....	farms.. -	-	-	-	-	7	-	7	-
	acres.. -	-	-	-	-	41	-	41	-
Soybeans for beans.....	farms.. -	-	-	-	-	-	-	-	-
	acres.. -	-	-	-	-	-	-	-	-
	bushels.. -	-	-	-	-	-	-	-	-
Hay and grass silage, excluding sorghum hay (see text).....	farms.. 210	27	23	136	24	611	86	405	120
	acres.. 1 191	150	90	789	162	8 344	1 331	5 340	1 673
	tons.. 1 642	196	159	1 075	212	10 215	1 818	6 402	1 995
Cotton.....	farms.. -	-	-	-	-	(NA)	(NA)	(NA)	(NA)
	acres.. -	-	-	-	-	(NA)	(NA)	(NA)	(NA)
	bales.. -	-	-	-	-	(NA)	(NA)	(NA)	(NA)
Peanuts for nuts.....	farms.. -	-	-	-	-	-	-	-	-
	acres.. -	-	-	-	-	-	-	-	-
	pounds.. -	-	-	-	-	-	-	-	-
Tobacco.....	farms.. -	-	-	-	-	-	-	-	-
	acres.. -	-	-	-	-	-	-	-	-
	pounds.. -	-	-	-	-	-	-	-	-
Irish potatoes.....	farms.. 7	2	3	2	-	37	8	20	9
	acres.. 1	1	1	(Z)	-	33	10	20	3
	hundredweight.. 221	90	108	23	-	(NA)	(NA)	(NA)	(NA)
Sweetpotatoes.....	farms.. -	-	-	-	-	-	-	-	-
	acres.. -	-	-	-	-	-	-	-	-
	bushels.. -	-	-	-	-	-	-	-	-
Vegetables, sweet corn, or melons for sale.....	farms.. 46	9	5	24	8	150	20	92	38
	acres.. 25	5	2	12	6	271	36	189	47
Berries for sale.....	farms.. 36	2	7	18	9	142	11	100	31
	acres.. 19	1	3	11	5	282	15	222	46
Land in orchards.....	farms.. 28	2	-	25	1	119	3	81	35
	acres.. 18	2	-	15	1	441	37	237	167
All other crops.....	farms.. 29	6	3	18	2	(NA)	(NA)	(NA)	(NA)
	acres.. 3	1	1	1	(Z)	87	16	62	9
Greenhouse products under glass or other protection.....	farms.. 15	1	-	13	1	10	-	10	-
	square feet.. 10 848	438	-	10 290	120	3 484	-	3 484	-

APPENDIX C. Report Forms

FORM 74-A1 (10-1-74)

O.M.B. No. 41-S74065; Approval Expires December 31, 1975

U.S. DEPT. OF COMM.—SESA
BUREAU OF THE CENSUS

1974 CENSUS OF AGRICULTURE

PLEASE remove the envelope and Instruction Sheet from the center of this booklet and . . . **KEEP THEM HANDY.**

IT'S EASIER THAN IT LOOKS to fill out this report. Many items can be answered by marking a "Yes" or "No" box. There are whole sections which may not apply to your operation—for these, just mark the NO box and go to the next section as instructed.

EXPLANATIONS AND INSTRUCTIONS are provided all through the form with more detail in the Instruction Sheet you have removed from the center of this report. Use them — **they will help.**

A Message from the Director of the Bureau of the Census...

January 2, 1975

Dear Friend:

It's time for the 1974 Census of Agriculture, and we need your help.

Please fill out this report and return it in the envelope provided.

This is a most important census. Many changes have occurred in agriculture since 1969 when the last census was taken. It is important to you that these changes be measured and understood by other farmers and ranchers as well as by those who serve you and them.

Your answers are needed and are **COMPLETELY CONFIDENTIAL**, as spelled out in the Notice at the right of this letter.

Please fill out your report and send it back right away. We'll appreciate it very much.

Sincerely,



VINCENT P. BARABBA
Director
Bureau of the Census

NOTICE — Response to this inquiry is required by law. (Title 13, U.S. Code). By the same law **YOUR REPORT TO THE CENSUS BUREAU IS CONFIDENTIAL.** It may be seen only by sworn Census employees and may be used only for statistical purposes. Your report **CANNOT** be used for purposes of taxation, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process.

NOTE: If you correspond with us regarding your report, please use the Census File Number shown in the address block on the booklet cover.

Complete this report and **RETURN TO**



BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, Indiana 47130

Section 1 Did you receive more than one report form?

YES — See separate Instructions

NO — Go to Section 2

Enter extra file number(s) here

Section 2 FARMING, RANCHING, OR OTHER AGRICULTURAL ACTIVITIES IN 1974

- | | YES | NO |
|--|----------------------------|----------------------------|
| 1. At any time in 1974 did you raise, produce, or sell ANY amount of any of the items listed below? | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| <ul style="list-style-type: none"> • Crops • Hay, pasture, sod • Vegetables, melons, mushrooms • Fruits, nuts, berries, and citrus • Cattle (including feedlots) • Hogs, sheep, goats, horses • Poultry, eggs • Dairy products • Forest products on farms • Greenhouse and nursery products • Fish in captivity • Fur-bearing animals in captivity • Other animal specialties | | |
| 2. Did you at any time in 1974 raise or produce any agricultural products for contractors such as feed companies, processors, or packers? | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 3. Did you raise or produce any agricultural products for others or with others under a partnership, share arrangement, or other rental agreement in 1974? | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 4. Did you own any land that was used by someone else for agricultural purposes in 1974? | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 5. Did you own any livestock or poultry that was cared for by someone else under a share agreement or custom arrangement in 1974? | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

► If you answered YES to ANY of these questions, go to Section 3.

► If you answered NO to ALL five of these questions, tear off this front cover and mail it back to us in the envelope provided.

Section 3 ACREAGE in 1974 and LAND VALUE

Include all cropland, pastureland, rangeland, woodland, wasteland, idle land, house lots, etc.

- 1. ALL land owned
 - 2. ALL land rented or leased FROM OTHERS, including land worked on shares; leased Federal, State, and railroad land; and land used rent free. (Do NOT include land used on a per-head basis under a grazing permit.) . . .
 - 3. All land rented or leased TO OTHERS, including land worked on shares by others and land subleased
 - 4. **TOTAL ACRES IN "THIS PLACE"** ① (Please ADD acres owned (item 1) and acres rented (item 2), then SUBTRACT acres rented to others (item 3), and enter your answer in this space.) ➔
- ① "THIS PLACE" means your farm or ranch, feedlots, poultry houses, greenhouses, and/or any other agricultural operations.

Number of acres	Your estimate of the current market value of these acres and the buildings on them	
	Dollars	Cents
040	1	
050	1	
060	1	
070	These are the ACRES in "THIS PLACE" ① for this census report	

5. If you rented land FROM OTHERS (item 2 above), please enter the following information for each landlord.

Name	Address (No. and street, city, State, ZIP code)	Number of acres	Rental arrangements in 1974 <i>Mark (X) all that apply</i>			
			Share of crops	Share of livestock or products	Cash as rent	Other arrangements
		081	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
		082	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
		083	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>

List additional landlords on back cover.

6. If you rented land TO OTHERS (item 3 above), please enter the following information for each renter.

Name	Address (No. and street, city, State, ZIP code)	No. of acres
		085
		086
		087

List additional renters on back cover.

- 7. Of the land you rented or leased from others (item 2 above), how many acres did you subrent or sublease to others? (Include land rented or leased by you which was worked on shares by others.)
- | Number of acres | Current market value |
|-----------------|----------------------|
| 088 | 1 \$ |



You may be able to skip most of this form if —
 a. All the land you owned or rented was worked on shares or rented to someone else.
 b. There were no crops or livestock in 1974 on the acres in "THIS PLACE" (item 4 above).
 c. The land you operated prior to 1974 has been sold to someone else.
 If a, b, or c apply to your operation, please read the Instructions before continuing with this report.

Section 4 LOCATION OF AGRICULTURAL ACTIVITY

- 1. In what county was the largest value of your agricultural products raised or produced? (Enter county name, State, and number of acres on the "Principal county" line. If you have agricultural operations in any other county(ies), enter the county name(s), etc., on the lines provided for "Other counties.")
- 2. Location of place within principal county entered above. (Give name of township, district, precinct, etc., or Township - Range numbers.)

	County name	State	No. of acres
Principal county			091
Other counties			092
			093
			094

Name of location

CENSUS USE ONLY

015
014
013
012
011
010

READ AND ANSWER THIS QUESTION THEN FOLLOW THE INSTRUCTIONS

During 1974 did you produce any crops; cut any hay; have any nursery or greenhouse products or specialty crops; or have any land in orchards, groves, or vineyards?

YES — Go to Section 5 below
 NO — Skip to page 8 and COMPLETE Section 17

Section 5 Was any FIELD CORN harvested for any purpose from this place in 1974?

YES — Complete this section
 NO — Go to Section 6

• Report sweet corn in Section 12 and popcorn in Section 16 when you reach those sections.

1. Field corn for grain or seed (Report quantity of shelled corn harvested in either bushels or hundredweight. 70 lbs. ear corn or 56 lbs. shelled corn = 1 bushel shelled corn)
2. Field corn for silage or green chop
3. Field corn cut for dry fodder, hogged or grazed (Do not include acres already reported in items 1 or 2.)

Acres harvested	Quantity harvested		Acres irrigated
	1	6	
101	Bushels shelled	OR Hundredweight shelled	2
102	1	Tons. green weight	2
103			2

4. Commercial fertilizer used on field corn

Acres fertilized	Dry fertilizer		Liquid or gas fertilizer	
	Whole tons	Tenths	Whole tons	Tenths
109	1	/10	2	/10

Section 6 Were any SORGHUMS or MILO harvested from this place in 1974?

(Include both grain and sweet varieties. Do not report sorghum-sudan crosses in this section.)

YES — Complete this section
 NO — Go to Section 7

• Report sorghum-sudan crosses for hay in Section 10 and sorghum for sirup in Section 16 when you reach those sections.

1. Sorghums (milo) for grain or seed (Report quantity harvested in either bushels or pounds.)
2. Sorghums for silage or green chop
3. Sorghums cut for dry forage or hay
4. Sorghums hogged or grazed (Do not include acres already reported in items 1, 2, or 3.)

Acres harvested	Quantity harvested		Acres irrigated
	1	6	
111	Bushels	OR Pounds	2
112	1	Tons. green weight	2
113	1	Tons. dry weight	2
114			2

5. Commercial fertilizer used on sorghums

Acres fertilized	Dry fertilizer		Liquid or gas fertilizer	
	Whole tons	Tenths	Whole tons	Tenths
119	1	/10	2	/10

Section 7 Were any SOYBEANS, PEANUTS, DRY BEANS, or DRY PEAS harvested from this place in 1974?

YES — Complete this section
 NO — Go to Section 8

1. Soybeans for beans^②
2. Peanuts for nuts^③
3. Dry field and seed beans
4. Dry lima beans
5. Dry field and seed peas^④
6. Cowpeas for dry peas^⑤

	Acres harvested	Quantity harvested	Acres irrigated	Commercial fertilizer used				
				Acres fertilized	Dry		Liquid or gas	
					Whole tons	Tenths	Whole tons	Tenths
121	1	Bushels	2	3	4	/10	5	/10
122	1	Pounds	2	3	4	/10	5	/10
123	1	100-lb. bags	2	3	4	/10	5	/10
124	1	100-lb. bags	2	3	4	/10	5	/10
125	1	Pounds	2	3	4	/10	5	/10
126	1	Bushels	2	3	4	/10	5	/10

② Soybean hay is to be reported in Section 10 and soybeans hogged or grazed, cut for silage, or plowed under in Section 16.
 ③ Peanut hay is to be reported in Section 10.
 ④ Austrian winter peas are to be reported in Section 11.
 ⑤ Cowpea hay is to be reported in Section 10, green cowpeas in Section 12, cowpeas hogged or grazed or cut for silage in Section 16.

Section 8 SMALL GRAINS (including RICE) harvested from this place in 1974

COMPLETE THIS SECTION Please supply all requested information or mark "None" for each crop listed. For each crop harvested from this place in 1974, be sure to report quantity harvested in the unit specified, acres irrigated, acres fertilized, and amount of fertilizer used. If your small grain crop is not listed here, see Section 16 when you reach that section.

• Report small grain hay in Section 10 when you reach that section.

	None	Acres harvested	Quantity harvested	Acres irrigated	Commercial fertilizer used				
					Acres fertilized	Dry		Liquid or gas	
						Whole tons	Tenths	Whole tons	Tenths
1. Hard red winter wheat <input type="checkbox"/>		131	1 Bu.	2	3	4	/10	5	/10
2. Soft red winter wheat <input type="checkbox"/>		132	1 Bu.	2	3	4	/10	5	/10
3. Hard red spring wheat <input type="checkbox"/>		133	1 Bu.	2	3	4	/10	5	/10
4. Durum wheat <input type="checkbox"/>		134	1 Bu.	2	3	4	/10	5	/10
5. White wheat <input type="checkbox"/>		135	1 Bu.	2	3	4	/10	5	/10
6. Oats for grain <input type="checkbox"/>		137	1 Bu.	2	3	4	/10	5	/10
7. Barley for grain <input type="checkbox"/>		138	1 Bu.	2	3	4	/10	5	/10
8. Rye for grain <input type="checkbox"/>		139	1 Bu.	2	3	4	/10	5	/10
9. Mixed grains <input type="checkbox"/>		140	1 Bu.	2	3	4	/10	5	/10
10. Flaxseed <input type="checkbox"/>		141	1 Bu.	2	3	4	/10	5	/10
11. Buckwheat <input type="checkbox"/>		142	1 Bu.	2	3	4	/10	5	/10
12. Proso millet <input type="checkbox"/>		143	1 Bu.	2	3	4	/10	5	/10
13. Rice (Report quantity harvested in either 100-lb. bags, bushels, or barrels). <input type="checkbox"/>		144	1 100-lb. bags 6 —OR— Bu. 7 —OR— Barrels	2	3	4	/10	5	/10

Section 9 Were any COTTON, TOBACCO, IRISH POTATOES, SWEETPOTATOES, OR SUGAR CROPS harvested from this place in 1974?

- YES — Complete this section
- NO — Go to Section 10 on next page

Report tenths of acres where indicated.

	Acres harvested	Quantity harvested	Acres irrigated	Commercial fertilizer used				
				Acres fertilized	Dry		Liquid or gas	
					Whole tons	Tenths	Whole tons	Tenths
1. Cotton		Bales	2	3	4	/10	5	/10
2. Tobacco — all types	/10	Pounds	2 /10	3 /10	4	/10	5	/10
3. Irish potatoes (excluding home use)	/10	Hundred-weight	2 /10	3 /10	4	/10	5	/10
4. Sweetpotatoes (excluding home use)	/10	Bushels	2 /10	3 /10	4	/10	5	/10
5. Sugar beets for sugar		Tons	2	3	4	/10	5	/10
6. Sugar beets for seed		Pounds	2	3	4	/10	5	/10
7. Sugarcane for sugar ^⑥		Tons	2	3	4	/10	5	/10
8. Sugarcane for sirup			2	3	4	/10	5	/10
9. Sugarcane for seed			2	3	4	/10	5	/10

⑥ In Florida and Texas, report cuttings from November 1973 through April 1974. Other States, report 1974 crop year.

Section 10 Was any **DRY HAY, GRASS SILAGE, HAYLAGE,** or **GREEN CHOP** cut or harvested from this place in 1974? (Include hay cut from pastures.)

- YES — Complete this section
- NO — Go to Section 11

If cuttings were made for both dry hay and grass silage, "haylage," or "green chop" from the same fields, report the acreage in the appropriate items under **Part A — Hay** and **Part B — Grass Silage** below.

Part A — DRY HAY

(If two or more cuttings of dry hay were made from the same acres, report acres only once, but report total tons from all cuttings.)

1. Alfalfa and alfalfa mixtures for hay or dehydrating
2. Clover, timothy, and mixtures of clover and grasses for hay
3. Small grain hay
4. Lespedeza for hay
5. Coastal Bermuda grass for hay
6. Wild hay
7. Other hay — Sudan grass, sorghum-sudan crosses, soybean, cowpea, peanut, etc.

Acres harvested	Quantity harvested (Report either dry or green weight, as indicated)	Acres irrigated
172	1 Tons. dry	2
173	1 Tons. dry	2
174	1 Tons. dry	2
175	1 Tons. dry	2
176	1 Tons. dry	2
177	1 Tons. dry	2
178	1 Tons. dry	2
181	1 Tons. green	2
182	1 Tons. green	2

Part B — GRASS SILAGE, HAYLAGE, AND GREEN CHOP

(If two or more cuttings of grass silage, "haylage," or "green chop" were made from the same acres, report acres only once, but report total tons from all cuttings.)

8. Grass silage and haylage
9. Hay crops cut and fed green (green chop).

10. Commercial fertilizer used on crops listed above

Acres fertilized	Dry fertilizer		Liquid or gas fertilizer	
	Whole tons	Tenths	Whole tons	Tenths
189	1	/10	2	/10

Section 11 Were any **FIELD SEEDS** (grass, legume, clover, etc.) harvested from this place in 1974?

- YES — Complete this section
- NO — Go to Section 12

1. Red clover seed
2. Alfalfa seed
3. Other field seed (Enter crop name and No. from list below.)

Crop name _____ No. _____
 Crop name _____ No. _____

Acres harvested	Quantity harvested (Report in pounds, clean seed)	Acres irrigated
191	1 Pounds	2
192	1 Pounds	2
1	1 Pounds	2
1	1 Pounds	2

List additional field seed crops harvested on back cover.

Crop name	No.
Austrian winter peas . . .	193
Birdsfoot trefoil seed . . .	194
Fescue seed: Alta	195
Chewings	196
KY 31.	197
Red.	198
Other	199
Bahia grass seed	201
Bentgrass seed	202
Bromegrass seed	203
Orchardgrass seed	204

Crop name	No.
Ryegrass seed: Annual.	205
Perennial.	206
Sudan grass seed	207
Timothy	208
Wheatgrass seed	209
Kentucky Bluegrass seed:	
Merion	211
Proprietary	212
Other	213
Lespedeza	214
Lupine seed	215

Crop name	No.
Alsike clover seed.	216
Crimson clover seed.	217
Ladino clover seed	218
Sweetclover seed.	219
White clover seed.	221
Red top seed	222
Hairy vetch seed	223
Vetch seed, other than hairy	224
All other seeds — millet (foxtail), bluestem, canarygrass, etc.	225

(Write name on line in item 3 above.)

4. Commercial fertilizer used on field seeds (Do not report fertilizer here if the same acreage was reported in Section 10.)

Acres fertilized	Dry fertilizer		Liquid or gas fertilizer	
	Whole tons	Tenths	Whole tons	Tenths
235	1	/10	2	/10

Section 12 Were any **VEGETABLES, SWEET CORN, OR MELONS** harvested for sale from this place in 1974?

- YES — Complete this section
- NO — Go to Section 13 on next page

For Florida, report for the September 1, 1973 through August 31, 1974 harvest season; for all other States report for calendar year 1974. (See separate instructions for additional guidelines on filling this section.)

1. Sweet corn
2. Tomatoes
3. Cucumbers and pickles
4. Watermelons
5. Green peas, including English, excluding green cowpeas
6. Snap beans, bush and pole
7. Other vegetable crops (Enter vegetable name and No. from list below.)
 Vegetable name _____ No. _____
 Vegetable name _____ No. _____
 Vegetable name _____ No. _____
 Vegetable name _____ No. _____
 Vegetable name _____ No. _____
 Vegetable name _____ No. _____
 Vegetable name _____ No. _____
 Vegetable name _____ No. _____
 Vegetable name _____ No. _____

Acres harvested ^⑦				Acres irrigated	
For fresh market		For processing ^⑧			
Whole acres	Tenths	Whole acres	Tenths	Whole acres	Tenths
241	/10	1	/10	2	/10
242	/10	1	/10	2	/10
243	/10	1	/10	2	/10
244	/10	1	/10	2	/10
245	/10	1	/10	2	/10
246	/10	1	/10	2	/10
	/10	1	/10	2	/10
	/10	1	/10	2	/10
	/10	1	/10	2	/10
	/10	1	/10	2	/10
	/10	1	/10	2	/10
	/10	1	/10	2	/10
	/10	1	/10	2	/10
	/10	1	/10	2	/10

List additional vegetables harvested for sale on back cover.

Vegetable name	No.	Vegetable name	No.	Vegetable name	No.	Vegetable name	No.
Artichokes	249	Chicory	260	Lettuce, romaine	272	Pumpkins	284
Asparagus	250	Collards	262	Lettuce, other	273	Radishes	285
Beets	251	Cowpeas (blackeye and other green cowpeas).	263	Lima beans	274	Rhubarb	286
Broccoli	252	Eggplant	265	Muskmelons	275	Shallots	287
Brussels sprouts	253	Endive	266	Mustard greens	277	Spinach	288
Cabbage	255	Escarole	267	Onions, dry	278	Squash	289
Cantaloups and Parsian melons	256	Garlic	268	Onions, green	279	Turnips	290
Carrots	257	Honeydew melons	269	Okra	280	Turnip greens	291
Cauliflower	258	Kale	270	Peppers, sweet	281	Other vegetables	294
Celery	259	Lettuce, head	271	Peppers, hot	282	<i>(Write vegetable name on line in item 7 above.)</i>	
				Pimientos	283		

8. Land used for vegetable crops (Report acres only once even though two or more crops were harvested from the same acres or the same acres were irrigated or fertilized twice. Report all fertilizer used.)

Acres harvested		Acres irrigated		Acres fertilized		Commercial fertilizer used			
Whole acres	Tenths	Whole acres	Tenths	Whole acres	Tenths	Dry		Liquid or gas	
						Whole tons	Tenths	Whole tons	Tenths
299	/10	1	/10	2	/10	3	/10	4	/10

^⑦ When more than one vegetable crop is harvested from the same acres, report the acres for each crop.
^⑧ Processing includes canning, freezing, pickling, etc.

Section 13 Was there a **COMBINED TOTAL** of 20 or more fruit trees, including citrus, grapevines, and nut trees on this place in 1974? (Do NOT include abandoned trees or plantings.)

- YES — Complete this section
- NO — Go to Section 14

Report the total acres, acres irrigated, acres fertilized, and the amount of fertilizer used for all fruit trees, grapevines, and nut trees on this place. Acreage in abandoned trees should not be reported in this section but should be reported in Section 18, item 2f, Cropland idle.

	Acres in trees and vines of all ages		Acres irrigated		Commercial fertilizer used					
	Whole acres	Tenths	Whole acres	Tenths	Acres fertilized		Dry		Liquid or gas	
					Whole acres	Tenths	Whole tons	Tenths	Whole tons	Tenths
1. Land in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees	301	/10	1	/10	2	/10	3	/10	4	/10

For each item, report the acres and number of trees or vines not yet of bearing age, acres and trees or vines of bearing age and quantity harvested. Trees or vines of bearing age that were not harvested because of low price or damage from hail, frost, etc., should be reported in acres in trees of bearing age. For interplanting or mixed varieties of trees, see separate Instructions. (Also see Instructions for conversion tables, if necessary.)

	Not of bearing age			Bearing age			Quantity harvested (Report tenths where specified)	
	Whole acres	Tenths	Number of trees (or vines)	Whole acres	Tenths	Number of trees (or vines)		
2. Apples, dwarf and semi-dwarf.	302	/10	1	2	/10	3	4	Pounds
3. Apples, standard	303	/10	1	2	/10	3	4	Pounds
4. Peaches, clingstone	304	/10	1	2	/10	3	4	Pounds
5. Peaches, freestone	305	/10	1	2	/10	3	4	Pounds
6. Pears, Bartlett	306	/10	1	2	/10	3	4	Pounds
7. Pears, other than Bartlett	307	/10	1	2	/10	3	4	Pounds
8. Cherries, tart	308	/10	1	2	/10	3	4	Pounds
9. Cherries, sweet	309	/10	1	2	/10	3	4	Pounds
10. Grapes ⁹	310	/10	1	2	/10	3	4	Tons. fresh
							5	Tons. dry
11. Plums	314	/10	1	2	/10	3	4	Tons. fresh
12. Prunes ⁹	315	/10	1	2	/10	3	4	Tons. fresh
							5	Tons. dry
■ For citrus, report quantity harvested in 1973-74 from bloom of 1973.	320	/10	1	2	/10	3	4	Boxes
13. Valencia oranges	321	/10	1	2	/10	3	4	Boxes
14. Navel oranges	322	/10	1	2	/10	3	4	Boxes
15. Temple oranges	323	/10	1	2	/10	3	4	Boxes
16. Other oranges — Hamlin, Pineapple, Parson Brown, etc.	324	/10	1	2	/10	3	4	Boxes
17. Grapefruit	324	/10	1	2	/10	3	4	Boxes

⁹ Report quantity harvested in either or both units, depending on the way the fruit was sold.

▶ If you have fruit trees not listed above or nut trees, continue with item 18 at the top of the next page.

Section 13 Continued

18. If you have any fruit trees which were not listed in items 2 through 17, or nut trees, enter crop name and No. in cols. (a) and (b) from the lists below and give the requested information for each item you list. Report quantity harvested in col. (e). In col. (f) indicate the unit in which you measure the crop. If you mark "Boxes," enter the average capacity, in pounds, of the box.

Enter from list below		Not of bearing age (c)			Bearing age (d)			Quantity harvested (e)	Unit of measure Mark (X) one (f)			Average capacity of boxes in pounds (g)
Name (a)	No. (b)	Whole acres	Tenths	Number of trees	Whole acres	Tenths	Number of trees		Lbs.	Tons	Boxes	
			/10	1	2	/10	3	4	5 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	6
			/10	1	2	/10	3	4	5 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	6
			/10	1	2	/10	3	4	5 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	6
			/10	1	2	/10	3	4	5 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	6
			/10	1	2	/10	3	4	5 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	6
			/10	1	2	/10	3	4	5 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	6

- | | | | | | |
|--|------------|--|------------|---|------------|
| <p>● CITRUS CROPS</p> <p>(Report quantity harvested in 1973—74 from bloom of 1973.)</p> <p>Kumquats 325</p> <p>Lemons 326</p> <p>Limes (1 bushel = 50 lbs.) 327</p> <p>Tangelos 328</p> <p>Tangerines and mandarins 329</p> <p>Other citrus fruit trees 330</p> | <p>No.</p> | <p>● NONCITRUS CROPS</p> <p>Apricots 331</p> <p>Avocados (See Instructions) 332</p> <p>Dates 333</p> <p>Figs (See Instructions) 334</p> <p>Mangoes 335</p> <p>Nectarines 336</p> <p>Pomegranates 337</p> <p>Olives 338</p> <p>Other noncitrus fruit trees 339</p> | <p>No.</p> | <p>● NUT CROPS</p> <p>Almonds 340</p> <p>Filberts and hazelnuts 341</p> <p>Pecans, improved 342</p> <p>Pecans, wild and seeding 343</p> <p>Pistachio 344</p> <p>Tung nuts (in husk) 345</p> <p>Walnuts (English or Persian) 346</p> <p>Walnuts, planted black 347</p> <p>Other nut trees 351</p> | <p>No.</p> |
|--|------------|--|------------|---|------------|

Section 14 Were any NURSERY and GREENHOUSE PRODUCTS, SOD, BULBS, FLOWERS, FLOWER SEEDS, VEGETABLE SEEDS and PLANTS, VEGETABLES under glass or other protection, or MUSHROOMS grown for sale on this place in 1974?

- YES — Complete this section
- NO — Go to Section 15 on next page

- Nursery products — trees, shrubs, vines, etc.
- Sod harvested
- Bulbs
- Cut flowers, florist greens: and potted, bedding, or other florist plants
- Flower seeds, vegetable seeds, and vegetable plants (Report sweet corn for seed in Section 16.)
- Vegetables, including mushrooms, grown under glass or other protection
 - Tomatoes
 - Cucumbers
 - Lettuce
 - Mushrooms
 - Other vegetables
- Area irrigated (Include items 1 through 6e.)

	Area used in 1974		Value of sales during 1974 ⁽¹¹⁾	
	Square feet under glass or other protection ⁽¹⁰⁾	Acres in the open	Dollars	Cents
	Whole acres	Tenths		
371	1	/10	\$	
372	1	/10	\$	
373	1	/10	\$	
374	1	/10	\$	
384	1	/10	\$	
385			\$	
386			\$	
387			\$	
388			\$	
389			\$	
391	1	/10	\$	

- Commercial fertilizer used on the crops listed above

	Area fertilized			Dry fertilizer		Liquid or gas fertilizer	
	Square feet	Acres	Tenths	Whole tons	Tenths	Whole tons	Tenths
399		1	/10	2	/10	3	/10

⁽¹⁰⁾ Report the greenhouse area only once, even though more than one crop was grown on it, except where flowers and other crops were grown on the same benches or beds. In this case, report the area once for each category. For mushrooms, report caves and other types of growing areas.

⁽¹¹⁾ Estimates are acceptable. Do not include value of products bought for resale without additional growing.

Section 15 Were any **BERRIES** harvested for sale from this place in 1974?

- YES — Complete this section
- NO — Go to Section 16

1. Strawberries
2. Cranberries
3. Other berries (Enter crop name and No. from list below.)

Crop name _____ No. _____

Crop name _____ No. _____

List additional berry crops harvested for sale on back cover.

Crop name	No.	Crop name	No.	Crop name	No.	Crop name	No.
Blackberries and dewberries	404	Boysenberries	407	Loganberries	411	Youngberries	414
Blueberries, tame	405	Currants	408	Raspberries, red	412	All other berries	415
Blueberries, wild	406	Gooseberries	409	Raspberries, black	413	<i>(Write crop name on line in item 3 above.)</i>	

	Acres harvested		Quantity harvested (1 quart = 1 1/2 pounds)	Acres irrigated	
	Whole acres	Tenths		Whole acres	Tenths
402		/10	1 Pounds	2	/10
403		/10	1 100-lb. barrels	2	/10
		/10	1 Pounds	2	/10
		/10	1 Pounds	2	/10

4. Commercial fertilizer used on berries

	Acres fertilized		Dry fertilizer		Liquid or gas fertilizer	
	Whole acres	Tenths	Whole tons	Tenths	Whole tons	Tenths
429		/10	1	/10	2	/10

Section 16 Were any **OTHER CROPS** harvested from this place in 1974?

- YES — Complete this section
- NO — Go to Section 17

1. Popcorn
 2. Safflower
 3. Sunflower seed
 4. Emmer and spelt
 5. Mint for oil
 6. Broomcorn
 7. Other crops (Enter crop name and No. from list below.)
- Crop name _____ No. _____
- Crop name _____ No. _____

List additional crops harvested on back cover.

Crop name	No.	Crop name	No.	Crop name	No.	Crop name	No.
Castor beans	437	Guar	443	Root crops for feed	449	Sweet corn for seed	454
Chufas for nuts	438	Hops	444	Sesame for seed	450	Triticale	455
Cowpeas hogged or grazed or cut for silage	439	Lentils	445	Sorghum for sirup	451	Velvetbeans for beans	456
Crambe	441	Mungbeans for beans	446	Soybeans hogged or grazed or cut for silage	452	Wild rice	457
Dill for oil	442	Mustard seed	447	Soybeans plowed under	453	Wormseed oil	458
		Rapeseed	448			All other crops	459

(Write crop name on line in item 7 above.)

	Acres harvested	Quantity harvested	Acres irrigated	Commercial fertilizer used				
				Acres fertilized	Dry		Liquid or gas	
					Whole tons	Tenths	Whole tons	Tenths
431	1	Pounds, shelled	2	3	4	/10	5	/10
432	1	Pounds	2	3	4	/10	5	/10
433	1	Pounds	2	3	4	/10	5	/10
434	1	Bushels	2	3	4	/10	5	/10
435	1	Pounds of oil	2	3	4	/10	5	/10
436	1	Tons of brush	2	3	4	/10	5	/10
			2	3	4	/10	5	/10
			2	3	4	/10	5	/10

Section 17 Were any **FOREST PRODUCTS** sold from this place in 1974?

- YES — Complete this section
- NO — Go to and COMPLETE Section 18

1. Standing timber or trees
2. Firewood and fuelwood
3. Sawlogs and veneer logs
4. Pulpwood
5. Other forest products (bark, bolts, Christmas trees, gum for naval stores, fence posts, maple products, etc.)

	Value of sales	
	Dollars	Cents
491	\$	
492	\$	
493	\$	
494	\$	
495	\$	

Section 18 LAND USE IN 1974 — COMPLETE THIS SECTION

501

1. Copy acres in "This Place" from Section 3, item 4, page 1 _____ Acres

NOTE: If the same land had more than one use in 1974, REPORT THAT LAND ONLY ONCE — in the first use listed below that applies. For example, cropland that was harvested and pastured is to be reported only as "Cropland harvested."

- 2. {
 - a. Cropland harvested (Include all land from which crops were harvested or hay was cut, and all land in orchards, citrus groves, vineyards, and nursery and greenhouse products.)
 - b. Cropland used only for pasture or grazing (Include rotation pasture and grazing land that could have been used for crops without additional improvements.)
 - c. Cropland used for cover crops, legumes, and soil-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

Number of acres	Acres irrigated in 1974
502	1
503	1
505	1
506	1
507	1
509	1
511	
512	
514	1
515	
516	
IN "THIS PLACE" 517	IRRIGATED 1

- 3. Woodland (Include all woodlots and timber tracts and cutover and deforested land with young timber growth.)
 - a. Woodland pastured
 - b. Woodland not pastured
- 4. Other pastureland and rangeland (Include any pastureland other than cropland and woodland pasture.)
 - a. Pastureland and rangeland on which you applied lime, fertilizer, seed, improved by irrigation, drainage, or control of weeds and brush
 - b. Other pastureland and rangeland
- 5. All other land — Land in house lots, barn lots, ponds, roads, wasteland, etc. (Include any land not reported above.)
- 6. TOTAL ACRES (Please add the acres reported in items 2a through 5 and enter the total in this space. Should be the same as item 1 above.)

7. Do you have any grazing permits on a per-head basis? ⁵¹⁹
- YES — Mark (X) all boxes which apply
 - NO — Go to Section 19
- 1 Forest Service
 - 2 Taylor Grazing (BLM)
 - 3 Indian Land
 - 4 Other Federal or State
 - 5 Other — Specify

Section 19 Was any of the LAND in this place IRRIGATED in 1974? YES — Answer items 1 and 2 below NO — Answer item 3 below

1. How many acres were irrigated in 1974 by each of these methods?
- | None | Acres irrigated in 1974 |
|--------------------------|-------------------------|
| <input type="checkbox"/> | 523 |
| <input type="checkbox"/> | 524 |
| <input type="checkbox"/> | 525 |
| <input type="checkbox"/> | 526 |
| <input type="checkbox"/> | 527 |
- a. Furrows or ditches
 - b. Flooding
 - c. Subirrigation
 - d. Self-propelled sprinkler system (center pivot, traveling guns, traveling booms, etc.)
 - e. All other sprinkler systems (solid set, move pipe, wheel lines, tow lines, etc.)

- Estimated quantity of water used in 1974 (See separate Instructions for additional information on estimating quantity of water used.)
2. Please estimate the quantity of water used for irrigation in 1974. (Report in the unit or units of measure most convenient for you.)
- a. Acre-feet (One acre-foot covers one acre, one foot deep).
 - b. Gallons (Pumping capacity per minute X 60 minutes X hours operated in season)
 - c. If acre-feet or gallons cannot be estimated in a or b above, give depth in inches of all water applied

Water used in 1974		
531	Acre-feet	Tenths
532		/10
533		Gallons
		Total inches

3. If no land was irrigated in 1974, was there any land in this place irrigated at any time in 1970-1973?
- YES — Complete a and b
 - NO — Go to Section 20 on next page
- a. What was the most recent year in which acres were irrigated? 535 _____ Year
 - b. How many acres were irrigated in that year? 536 _____ Acres

Section 20 Was any land on this place **ARTIFICIALLY DRAINED?**

- YES — Complete this section
- NO — Go to Section 21

1. How many acres in this place were artificially drained? (Include open ditches, underground tile drains, grading for drainage, dikes, or pumping to control water. Exclude drainage solely for the removal of irrigation waste water.) None
2. How many acres were artificially drained by systems installed since January 1, 1974?

Acres artificially drained	
541	
542	

Section 21 Was any **COMMERCIAL FERTILIZER** applied to **PASTURELAND** on this place in 1974?

- YES — Complete this section
- NO — Continue with NOTE below

1. How many acres of **cropland used only for pasture** in 1974 (reported in Section 18, item 2b) were fertilized?
2. How many acres of **other pastureland** in 1974 (reported in Section 18, item 4a) were fertilized?

Acres fertilized	Dry fertilizer		Liquid or gas fertilizer	
	Whole tons	Tenths	Whole tons	Tenths
551	1	/10	2	/10
552	1	/10	2	/10

NOTE: READ AND ANSWER THIS QUESTION

Did you or anyone else have any livestock, poultry, or animal specialties on this place in 1974? (Include fish raised in captivity.) YES — Go to Section 22 below NO — Skip to page 13 and COMPLETE Section 27

Section 22 Were there any **POULTRY** such as **CHICKENS, TURKEYS, DUCKS, etc.,** on this place at any time in 1974?

- YES — Complete this section
 - NO — Go to Section 23
- Report hatchery operations such as baby chicks, turkey poults, etc., in Section 26.

1. HENS, PULLETS, ROOSTERS for table eggs and hatching egg production
- a. Hens and pullets of laying age kept for TABLE or MARKET egg production
 - b. Hens and pullets of laying age kept for HATCHING egg production
 - c. Pullets 3 months old or older not yet of laying age
 - d. Pullet chicks and pullets under 3 months old (Exclude commercial broilers.)
 - e. Roosters and male chickens (all male breeding stock)
2. BROILERS, fryers, and other meat type chickens, including capons and roasters
3. TURKEYS
- a. Heavy breed turkeys for slaughter (Exclude breeders.)
 - b. Light breed turkeys for slaughter (Exclude breeders.)
 - c. Turkey HENS kept for breeding (Include both heavy and light breeds.)
4. OTHER POULTRY raised in captivity (Enter fowl name and No. from list below.)

INVENTORY Number on this place December 31, 1974	Total number of birds sold in 1974
602	1
603	1
605	1
606	1
607	1
608	1
611	1
612	1
613	1
	1
	1
	1

Fowl name _____ No. _____

Fowl name _____ No. _____

Fowl name _____ No. _____

List additional poultry on back cover.

Fowl name	No.	Fowl name	No.	Fowl name	No.
Ducks	614	Pigeons or squab	616	Quail	618
Geese	615	Pheasants	617	All other poultry	619 (Write name on line in item 4 above.)

5. What was the value before taxes and expenses of poultry and poultry products (eggs, etc.) sold from this place in 1974? (Include estimated value of poultry and poultry products moved from this place by contractors or others.)

Value of sales	
Dollars	Cents
629	
\$	

Section 23 Did you or anyone else have any **CATTLE** or **CALVES** on this place in 1974?

- YES Complete this section
- NO Go to Section 24

INVENTORY on December 31, 1974

- 1. Cattle and calves of all ages (Total of a, b, c, and d below.)
- a. Beef cows (Include beef heifers that had calved.)
- b. Milk cows (Include dry milk cows and milk heifers that had calved.)
- c. Heifers and heifer calves
(Exclude heifers that had calved.)
- (1) For beef purposes and beef cow replacement
- (2) For milk cow replacement
- d. Steers, steer calves, bulls, and bull calves

INVENTORY Number on this place December 31, 1974	
631	
632	
633	
634	
635	
636	

CATTLE AND CALVES SOLD from this place in 1974
(Include those fed on "This Place" on a contract or custom basis.
Also, report cattle moved from this place to a feedlot for further
feeding as sold; report both the number and estimated value.
See separate Instructions.)

- 2. Calves weighing less than 500 pounds.
- 3. Cattle including calves weighing 500 pounds or more.
- a. Of the total cattle sold, how many were fattened on this place on
grain or concentrates for 30 days or more and sold for slaughter?

None	Total number sold in 1974	Value of sales before taxes and expenses	
		Dollars	Cents
641	1	\$	
642	1	\$	
643	1	\$	

DAIRY PRODUCTS SOLD from this place in 1974

- Report goat dairy products in Section 26 when you reach that section.

- 4. What was the gross value of sales of dairy products (milk, cream, etc.)
from this place in 1974, before taxes and expenses?

	Value of dairy products sold	
	Dollars	Cents
649		
\$		

Section 24 Did you or anyone else have any **HOGS** or **PIGS** on this place in 1974?

- YES -- Complete this section
- NO -- Go to Section 25 on next page

INVENTORY on December 31, 1974

- 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

INVENTORY Number on this place December 31, 1974	
651	
652	
653	

LITTERS FARROWED

- 2. Litters farrowed on this place between --
- a. December 1, 1973 and May 31, 1974
- b. June 1, 1974 and November 30, 1974

None	Number of litters
654	
655	

HOGS AND PIGS SOLD

- 3. Hogs and pigs sold from this place in 1974
- a. Of the hogs and pigs sold, how many were
sold as FEEDER PIGS for further feeding?

None	Total number sold in 1974	Value of sales before taxes and expenses	
		Dollars	Cents
656	1	\$	
657	1	\$	

Section 25 Did you or anyone else have any SHEEP or LAMBS on this place in 1974?

- YES -- Complete this section
- NO -- Go to Section 26

1. Sheep and lambs of all ages (Total of a, b, and c below.)
 - a. Lambs under 1 year old
 - b. Ewes 1 year old or older
 - c. Rams and wethers 1 year old or older

INVENTORY Number on this place December 31, 1974	Total number sold in 1974		
		Dollars	Cents
661	1		
662			
663			
664			

2. Sheep and lambs shorn

None	665	Number shorn	1	Pounds of wool shorn
------	-----	--------------	---	----------------------

3. What was the gross value of sales of sheep, lambs, and wool from this place in 1974, before taxes and expenses?

Value of sales	Dollars	Cents
	669	\$

Section 26 Did you or anyone else have any OTHER LIVESTOCK or ANIMAL SPECIALTIES on this place in 1974?

- YES -- Complete this section
- NO -- Go to Section 27

1. Horses of all ages (Do not include ponies.)
2. Ponies of all ages
3. Mules, burros, and donkeys of all ages
4. Mink and their pelts
 - a. Mink females used for breeding
5. Other livestock in captivity, bees, and poultry hatched (Enter name and No. from list below.)

Name _____ No _____

Name _____ No _____

Name _____ No _____

INVENTORY Number on this place Dec 31, 1974	Total number sold in 1974	Value of sales	
		Dollars	Cents
671	1	2	
672	1	2	
673	1	2	
674	1	2	
675			
	1	2	
	1	2	
	1	2	

Other Livestock in Captivity, Bees, and Poultry Hatched

Name	No.	Name	No.	Name	No.
Colonies of bees	.676	Other goats	.679	Foxes and their pelts	.683
Angora goats	.677	Rabbits and their pelts	.681	Poultry hatched	.684
Milk goats	.678	Chinchillas and their pelts	.682	All other livestock	.685

6. Livestock or animal products (Enter name and No. from "List A" below.)

Name _____ No _____
7. Fish in captivity (Enter name and No. from "List B" below.)

Name _____ No _____

Acres under water for fish production	Total quantity sold in 1974	Value of sales	
		Dollars	Cents
	1	2	
	3		
	1	2	
	3		

• List A — Livestock Products

Name	No.
Mohair sold	.687
Goats milk sold	.688
Honey sold	.689

• List B — Fish in Captivity

Name	No.	Name	No.
Catfish	.691	Tropical fish	.694
Trout	.692	Other fish	.695
Other food-type fish	.693		

► List any additional livestock, livestock products, animal specialties, or fish on back cover.

Section 27 **MACHINERY AND EQUIPMENT on this place on December 31, 1974**
(Include only equipment used for agricultural operations in 1973 or 1974.)

COMPLETE THIS SECTION

■ **Value of ALL machinery and equipment on this place, December 31, 1974**

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

	Estimated market value	
	Dollars	Cents
701		
\$		

■ **SELECTED machinery and equipment on this place, December 31, 1974**
(Report only if used in 1973 or 1974.)

- 2. Automobiles
- 3. Motortrucks *(Include pickups.)*
- 4. Wheel tractors other than garden tractors and motor tillers
- 5. Crawler tractors
- 6. Grain and bean combines, self-propelled only
- 7. Corn heads for combines
- 8. Other corn pickers and picker-shellers
- 9. Mower conditioners
- 10. Pickup balers
- 11. Windrowers — pull and self-propelled *(Exclude side delivery rakes.)*
- 12. Field forage harvesters, shear bar or flywheel type

	Total number on this place on December 31, 1974	Of the total, HOW MANY were manufactured in the last 5 years (1970-1974)? <i>(Number)</i>
702		1
703		1
704		1
705		1
706		1
707		1
708		1
709		1
710		1
711		1
712		1

Section 28 **MISCELLANEOUS ITEMS — COMPLETE THIS SECTION**

1. GRAIN STORAGE FACILITIES — Mark (X) one to show the total grain storage capacity, including ear corn, on this place. *(Do not include temporary structures.)*

- 721
- 1 None
 - 2 Under 1,000 bushels (Under 25 tons)
 - 3 1,000-4,999 bushels (25-124 tons)
 - 4 5,000-9,999 bushels (125-249 tons)
 - 5 10,000-24,999 bushels (250-624 tons)
 - 6 25,000-49,999 bushels (625-1,249 tons)
 - 7 50,000 bushels and over (1,250 tons and over)

2. How many ARTIFICIAL PONDS, PITS, RESERVOIRS, and EARTHEN TANKS are on this place? *(Do not report natural lakes, gravel pits, strip mining pits, flooded fields, sewage lagoons, or manure pits.)*

None 722 Number of artificial ponds, pits, etc

a. Area covered when filled to capacity

Number of artificial ponds, pits, etc	
Whole acres	Tenths
723	/10

3. FUTURES MARKET — Did you utilize the commodity futures market in 1974 to hedge sales of any farm commodities which you produce?

- 724
- 1 YES — *Mark which commodities* →
 - 2 NO — *Go to Section 29 on next page*

- 725
- 1 Corn (grain)
 - 2 Sorghums (grain)
 - 3 Soybeans (grain)
 - 4 Wheat (grain)
 - 5 Cotton
 - 6 Potatoes
 - 7 Cattle (live)
 - 8 Hogs (live)
 - 9 Other — *Specify* →

Section 29 Did you have any **CONTRACT** or **BINDING AGREEMENT** to produce or market any farm products on this place in 1974? (Include oral and written agreements made more than 30 days prior to delivery.)

- YES — Complete this section
- NO — Go to Section 30

1. Mark (X) as many products as you produced and/or marketed under contract.

No. <input type="checkbox"/> 1 Broilers	No. <input type="checkbox"/> 7 Feeder cattle and/or stocker cattle	No. <input type="checkbox"/> 13 Field and seed corn	No. <input type="checkbox"/> 19 Fruit, citrus, nuts for fresh market
2 <input type="checkbox"/> Started pullets	8 <input type="checkbox"/> Breeding cattle	14 <input type="checkbox"/> Soybeans	20 <input type="checkbox"/> Fruit, including citrus, for processing
3 <input type="checkbox"/> Chicken eggs	9 <input type="checkbox"/> Slaughter hogs	15 <input type="checkbox"/> Wheat	21 <input type="checkbox"/> Sugar beets
4 <input type="checkbox"/> Turkeys	10 <input type="checkbox"/> Feeder pigs	16 <input type="checkbox"/> Cotton	22 <input type="checkbox"/> Other crops, such as hops, popcorn, potatoes, safflower, sugarcane, etc. (Write product name on line A1 below.)
5 <input type="checkbox"/> Milk and other dairy products	11 <input type="checkbox"/> Breeding hogs	17 <input type="checkbox"/> Vegetables for fresh market	
6 <input type="checkbox"/> Fattened cattle	12 <input type="checkbox"/> Other livestock and/or poultry (Write product name on line A1 below.)	18 <input type="checkbox"/> Vegetables for processing	

2. For each product marked above, enter the Name and No. in the column heading where indicated and complete the remaining entries in the column (items B through G) for that product.

		FIRST CONTRACT	SECOND CONTRACT	THIRD CONTRACT	FOURTH CONTRACT
A. Product(s) under contract <i>Enter name and No. from item 1 above</i>	1. Product name				
	2. No.	731	732	733	734
B. Type of contract <i>Mark (X) one of these items for each product under contract</i>	1. Production (12)	1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>
	2. Marketing (13)	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>
	3. Production, including feeding, and marketing	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>
	4. Other	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>
C. Type of contractor <i>Mark (X) one of these items for each product under contract</i>	1. Co-op	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>
	2. Feed company	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>
	3. Packer	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>
	4. Processor	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>
	5. Other	5 <input type="checkbox"/>	5 <input type="checkbox"/>	5 <input type="checkbox"/>	5 <input type="checkbox"/>
D. Items furnished by contractor under terms of contract <i>Mark (X) for as many items as apply for each product under contract</i>	1. Feed	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>
	2. Chicks, pullets, cattle, feeder pigs, etc.	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>
	3. Seed	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>
	4. Fertilizer	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>
	5. Chemicals	5 <input type="checkbox"/>	5 <input type="checkbox"/>	5 <input type="checkbox"/>	5 <input type="checkbox"/>
	6. Labor	6 <input type="checkbox"/>	6 <input type="checkbox"/>	6 <input type="checkbox"/>	6 <input type="checkbox"/>
	7. Machinery, equipment, or buildings	7 <input type="checkbox"/>	7 <input type="checkbox"/>	7 <input type="checkbox"/>	7 <input type="checkbox"/>
	8. Harvesting	8 <input type="checkbox"/>	8 <input type="checkbox"/>	8 <input type="checkbox"/>	8 <input type="checkbox"/>
	9. Transportation	9 <input type="checkbox"/>	9 <input type="checkbox"/>	9 <input type="checkbox"/>	9 <input type="checkbox"/>
	10. Processing/packing	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>
	11. Credit	11 <input type="checkbox"/>	11 <input type="checkbox"/>	11 <input type="checkbox"/>	11 <input type="checkbox"/>
	12. Technical assistance	12 <input type="checkbox"/>	12 <input type="checkbox"/>	12 <input type="checkbox"/>	12 <input type="checkbox"/>
	13. Other	13 <input type="checkbox"/>	13 <input type="checkbox"/>	13 <input type="checkbox"/>	13 <input type="checkbox"/>
	14. None	14 <input type="checkbox"/>	14 <input type="checkbox"/>	14 <input type="checkbox"/>	14 <input type="checkbox"/>
E. What percent of the total production of this product was sold under contract?	5 Percent	5 Percent	5 Percent	5 Percent	
F. 1. Amount received from contractor for product covered by contract?	6 Dollars	6 Dollars	6 Dollars	6 Dollars	
	Cents	Cents	Cents	Cents	
2. Did this payment represent the total market value of the product?	7 <input type="checkbox"/> Yes <input type="checkbox"/> No	7 <input type="checkbox"/> Yes <input type="checkbox"/> No	7 <input type="checkbox"/> Yes <input type="checkbox"/> No	7 <input type="checkbox"/> Yes <input type="checkbox"/> No	
G. Did the contract specify — Mark (X) one	1. Exact price?	8 <input type="checkbox"/>	8 <input type="checkbox"/>	8 <input type="checkbox"/>	8 <input type="checkbox"/>
	2. Method of determining price?	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>
	3. Neither price nor method?	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>

(12) Production contracts, including custom feeding, usually specify kind and/or amount of farm product to be produced and may specify variety or breed, operations to be performed during production, or inputs and technical assistance to be supplied by contractor

(13) Marketing contracts usually specify kind and/or amount of farm product to be delivered but usually do not specify that contractor provides services or supplies or that particular operations or methods be used in production.

Section 30 **PAYROLL AND EMPLOYMENT - Did you have any paid workers doing agricultural labor, employees of labor contractors or crew leaders, or other salaried employees working on this place in 1974?**

- YES — Complete this section
- NO — Go to Section 31

Please read before answering items 1, 2, and 3 below

Hired farm or ranch workers — In addition to farm workers and paid family members, include such persons as bookkeepers, office workers, maintenance people, etc., whose employment is primarily associated with agricultural production on this place even though they may not be doing agricultural labor. Do not include unpaid family workers or the proprietors or partners of unincorporated places.

Cash wages paid — Report gross payments in 1974 to employees before deductions for Social Security, taxes, insurance premiums, etc. Include all wages, salaries, commissions, paid bonuses, vacation and sick leave pay. Do not include room and board, house rent, or other items paid in kind.

For each of the following groups, report how many hired farm or ranch workers were employed and the amount of cash wages paid to them.

- 1. Of the hired farm or ranch workers, how many worked—
 - a. 150 days or more?
 - b. 25–149 days?
 - c. Less than 25 days?
- 2. Contract workers hired through a crew leader or contractor
 - a. What was the cost of contract labor?
 - b. How many workers did the contractor furnish? (Estimate if necessary.)
- 3. Salaried corporation officers
 - a. If this operation is incorporated, how many corporation officers were salaried in 1974?
 - b. What was the amount paid?

	Number of workers	Cash wages paid	
		Dollars	Cents
751	1		
		\$	
752	1		
		\$	
753	1		
		\$	
754			
		\$	
755			
756			
757			
		\$	

Section 31 **INJURIES AND ILLNESSES CONNECTED WITH FARM OR RANCH WORK — Were there any work connected injuries that required more than first aid treatment, or work connected illnesses or death to workers on this place in 1974? (Do not include deaths, injuries, or illnesses to employees of contractors.)**

- YES — Complete this section
- NO — Go to Section 32 on next page

- 1. Non-fatal injuries and illnesses
 - a. How many workers had injuries or illnesses without lost workdays?
 - b. How many workers had injuries or illnesses with lost workdays?
 - (1) How many days were lost as a result of all injuries and illnesses?
- 2. Number of deaths

	Operator and unpaid family workers	Hired workers and paid members of operator's family
761	Workers	Workers
762	Workers	Workers
763	Days	Days
764	Number	Number

Section 32 Were any **INSECTICIDES, HERBICIDES, FUNGICIDES, OTHER PESTICIDES, LIME, or OTHER CHEMICALS** used on this place in 1974?

- YES — Complete this section
- NO — Go to Section 33

Include any of these materials paid for by you, your landlord, or contractors. If custom applied, report only estimated cost of material. Cost of applying should be reported in Section 34, item 9. For each item listed, report acres only once, but report cost of all such materials used on these acres in 1974. If multipurpose chemicals were used, report acreage treated for each purpose and allocate cost of materials.

	Number of acres on which used	Cost of chemicals (Do not include cost of applying)	
		Dollars	Cents
1. Sprays, dusts, granules, fumigants, etc., (fungicide, herbicide, insecticide, nematocide) to control —			
a. Insects on hay crops (alfalfa, timothy, etc.)	771	1	
b. Insects on other crops (corn, other grain, cotton, tobacco, potatoes, trees, vines, etc.)	772	1	
c. Nematodes in crops	773	1	
d. Diseases in crops and orchards (blights, smuts, rusts, etc.)	774	1	
e. Weeds or grass in crops (Include both pre-emergence and post emergence.)	775	1	
f. Weeds or brush in pasture.	776	1	
g. Weeds on all other land (fence rows, ditch banks, road sides, etc.)	777	1	
2. Chemicals for defoliation or for growth control of crops or thinning of fruit.	778	1	
3. Expenditures for insect control on livestock and poultry, including treatment of buildings	779	\$	
4. Lime (Do not include land plaster or gypsum or lime for sanitation.)	781 Tons 782	1	
5. Other chemicals (excluding fertilizer), such as lime for sanitation, pesticides used for rodent and bird control, etc.	783	\$	
6. TOTAL CHEMICAL COST (Add dollars for items 1a through 5 and enter total here and in Section 34, item 10.)		784	

Section 33 **FARM CREDIT**

1. **DEBTS SECURED BY REAL ESTATE** — Were there any real estate mortgages, deeds of trust, or land purchase contracts on farm land and buildings owned and operated by you? (If you rent land to others, see separate Instructions.)

- YES — Answer a, b, and c
- NO — Go to item 2
- No land owned — Go to item 2

	Amount (principal only) owed December 31, 1974	
	Dollars	Cents
a. Amount owed to a Federal Land Bank, The Farmers Home Administration, an insurance company, a commercial or savings bank, and/or a production credit association.	791	
b. Amount owed to a savings and loan association, mortgage investment company, and/or other financial institution not covered above	792	
c. Amount owed to individual(s) from whom you bought part or all of the property or to others (secured by mortgage, deed of trust, land purchase contract, etc.)	793	

2. **DEBTS NOT SECURED BY REAL ESTATE** — Were any chattel mortgages, sales contracts, or unsecured notes owed by you on December 31, 1974, for operating this farm or ranch business?

- YES — Answer a, b, and c
- NO — Go to Section 34

	Amount (principal only) owed December 31, 1974	
	Dollars	Cents
a. Amount owed to a commercial or savings bank, a production credit association, The Farmers Home Administration, and/or other lending agencies	795	
b. Amount owed to business firms or farm suppliers (machinery dealer, feed dealer, fuel supplier, fertilizer dealers, etc., or their finance agencies).	796	
c. Amount owed to relatives and other individuals.	797	

Section 34 Production EXPENSES paid by you and others for this place in 1974

COMPLETE THIS SECTION

Include your best estimates of expenses paid by you, your landlord, contractors, buyers, and others for production of crops, livestock, and other agricultural products on this place. DO NOT INCLUDE expenses connected with performing customwork off this place, operation of non-farm activities, businesses or services, and household expenses not related to the farm business.

		Production expenses	
		Dollars	Cents
1. Livestock and poultry purchased — cattle, calves, hogs, pigs, sheep, lambs, goats, horses, baby chicks, poult, started pullets, etc.	801	\$	
2. Total feed purchased for livestock and poultry — grain, hay, silage, mixed feeds, concentrates, etc. (Total dollars for a, b, c, and d below.)	802	\$	
		Tons	Tenths
a. Commercially mixed formula feeds purchased — complete, supplement, concentrates (Do not include ingredients purchased separately, such as soybean meal, cottonseed meal, and urea.)	803		1
			/10 \$
b. Ingredients purchased — such as soybean meal, cottonseed meal, urea, etc., millfeeds or other milling byproducts (Do not include whole grains.)	804		1
			/10 \$
c. Whole grains purchased — such as corn, oats, barley, grain sorghum, wheat, rye, etc. (Include cracked grain. Do not include millfeeds or other milling byproducts, or green chop.)	805		1
			/10 \$
d. Hay, green chop, silage, etc.	806		1
			/10 \$
3. Animal health costs for livestock and poultry (Include veterinarian services, serums, vaccines, tonics, medicines, etc.)	807	\$	
4. Seeds, bulbs, plants, and trees purchased	808	\$	
5. Commercial fertilizer purchased — all forms, including rock phosphate and gypsum (Report custom application costs in item 9 below.)	809	\$	
6. Total gasoline and other petroleum fuel and oil purchased for the farm business — Diesel fuel, LP gas, butane, propane, piped gas, kerosene, fuel oil, motor oil, grease, etc. (Total dollars for a, b, c, and d below.)	811	\$	
		Storage capacity for farm use (Gallons)	Estimated expenditures for farm use in 1974
			Dollars Cents
a. Gasoline for the farm business	812		1
			\$
b. Diesel fuel for the farm business	813		1
			\$
c. LP gas, butane, propane for the farm business (4.5 lbs. = 1 gallon)	814		1
			\$
d. Motor oil, grease, piped gas, kerosene, and fuel oil for the farm business	815		\$
7. Hired farm labor (Add dollars reported in Section 30, items 1a, 1b, and 1c, and enter total here.)	821	\$	
8. Contract labor (Copy dollars reported in Section 30, item 2a.)	823	\$	
9. Machine hire and customwork (Include expenditures for this place for use of equipment and for customwork such as grinding and mixing feed, plowing, combining, corn picking, drying, silo filling, spraying, dusting, fertilizing, etc.)	824	\$	
10. Agricultural chemicals purchased (Copy dollars reported in Section 32, item 6.)	826	\$	
11. All other production expenses (Include OTHER current operating expenses such as depreciation, taxes, interest, cash rent, insurance, repairs, electricity, purchase of water, etc., for the farm business.)	827	\$	
12. TOTAL PRODUCTION EXPENSES including expenses paid by landlords, contractors, or others (Add dollars in items 1 through 11 and enter total here.) →	829	\$	

Section 35 Value of **AGRICULTURAL PRODUCTS SOLD** from this place in **1974**, before taxes and expenses (See separate Instructions.)

COMPLETE THIS PAGE

Report your best estimates of the value for each of the following groups of products sold from this place. Include value of landlord's and/or contractor's share, estimating if necessary.

1. Grains — corn for grain, small grains, soybeans for beans, grain sorghums, cowpeas for peas, dry beans, and dry peas
2. Cotton and cottonseed
3. Tobacco
4. Field seeds, hay, forage, and silage
5. Vegetables, sweet corn, and melons (Do not include Irish potatoes and sweetpotatoes.)
6. Other field crops — peanuts, Irish potatoes, sweetpotatoes, sugar beets, sugarcane, popcorn, mint for oil; hops, etc. — Specify _____
7. Fruits, nuts, and berries — apples, berries, citrus, grapes, peaches, pecans, pears, pineapples, etc.
8. Nursery and greenhouse products sold (Add dollars reported in Section 14, items 1 through 6e and enter the total here.)
9. Forest products sold (Add dollars reported in Section 17 and enter the total here.)
10. Poultry and poultry products, broilers, other chickens, eggs, ducks, turkeys, etc. (Copy dollars reported in Section 22, item 5.)
11. Cattle and calves sold (Add dollars reported in Section 23, items 2 and 3 — do NOT include item 3a — and enter the total here.)
12. Dairy products — milk, cream, etc. (Copy dollars reported in Section 23, item 4. Report goat dairy products in item 15 below.)
13. Hogs and pigs sold (Copy dollars reported in Section 24, item 3.)
14. Sheep, lambs, and wool (Copy dollars reported in Section 25, item 3.)
15. Other livestock, horses, mules, fur-bearing animals, bees, honey, goat dairy products, mohair, etc. (Add dollars reported in Section 26, items 1 through 7, and enter the total here.)
16. **TOTAL VALUE OF PRODUCTS SOLD** including value of landlord's and/or contractor's share (Add dollars entered in items 1 through 15 and enter total here.)

Estimated value of products sold	
Dollars	Cents
832	
\$	
833	
\$	
834	
\$	
835	
\$	
836	
\$	
837	
\$	
838	
\$	
839	
\$	
849	
\$	
852	
\$	
853	
\$	
854	
\$	
855	
\$	
856	
\$	
857	
\$	
859	
\$	

Section 36 **INCOME AND EXPENSES** from **FARM-RELATED SOURCES** IN **1974**

Part A — INCOME FROM FARM-RELATED SOURCES

Report amount received before taxes and expenses.

1. Customwork and other agricultural services provided for farmers and others—plowing, planting, spraying, harvesting, preparation of products for market, etc. (If customwork is a separate business, see separate Instructions.)
2. Recreational services — providing hunting, fishing, picnicking, camping, boarding and lodging, or other recreational facilities on this place
3. Payments you received for participation in Government farm programs (Do not include redeemable loans.)
4. Gross cash rent or share payments received from renting out farm land or payments received from lease or sale of allotments (Include payments for livestock pastured on a per-head basis, per-month basis, per-pound basis, etc.)
5. Other business or source of income which is conducted on or CLOSELY RELATED to the AGRICULTURAL OPERATIONS on this place — Specify kind _____

None	Farm-related income	
	Dollars	Cents
871		
\$		
872		
\$		
873		
\$		
874		
\$		
875		
\$		

Part B — EXPENSES FOR FARM-RELATED INCOME SOURCES

6. For farm-related income sources reported in items 1 through 5 above, enter the total estimated expenses paid by you and others in 1974 (Include all operating expenses, depreciation, taxes, interest, insurance, etc. Do not include expenses already reported in Section 34.)

None	Farm-related expenses	
	Dollars	Cents
876		
\$		

Section 37 TYPE OF ORGANIZATION, OPERATOR CHARACTERISTICS, and related information

COMPLETE THIS PAGE

Part A — Type of Organization

1. Mark (X) the one box which best describes the way this place was operated in 1974.

- 901 1 INDIVIDUAL or FAMILY operation (sole proprietorship), excluding partnership and corporation
- 2 PARTNERSHIP operation, including family partnerships 902 _____
(See separate Instructions.) — Enter number of partners . . .
- 3 CORPORATION, including family corporations — *Skip to Section 38*
- 4 OTHER, such as cooperative, estate or trust, prison farm, grazing association, Indian reservation, etc. — *Specify type then skip to Section 38*

Complete Parts B and C below

Part B — Farm Operator Characteristics and Related Information for Individual, Family, or Partnership Operations

1. **Residence** — Where does the operator, person in charge, or senior partner of this farm or ranch operation live?

903 1 On this place

Not on this place { 2 On another farm
3 In a rural area, not on a farm
4 In a city, town, or urban area

2. What was the earliest year the operator (or senior partner, if partnership) began to operate any part of this place?

904 _____ Year

3. How old is the operator (or senior partner, if partnership)?

905 _____ Years old

4. Operator's race — Mark (X) appropriate box

906 1 White 4 Mexican American Chicano Mexican (Mexicano) Puerto Rican Cuban Central or South American Other Spanish

2 Negro or Black

3 American Indian

5 Japanese Chinese Filipino

11 Other — Specify what race **Z**

5. **Principal Occupation** — At what occupation did the operator spend the majority (50 percent or more) of his work time in 1974? *(For partnerships, consider all members of the partnership together.)*

907 1 Farming
2 Other

6. **Off-Farm Work** — How many days did each member of the family work OFF the place in 1974? *(Include work at a nonfarm job, business, profession, or on someone else's farm. Do not include exchange farm work.)*

[Mark (X) one for each applicable line.]

	None	1-49 days	50-99 days	100-149 days	150-199 days	200 days or more
a. Operator or senior partner, 911	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>
b. Spouse, 912	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>
c. Other, 913	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>
d. Other, 914	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	6 <input type="checkbox"/>

Part C — Family Income from Off-Farm Sources in 1974
(Report amount you and members of your family received in 1974 from the following sources. For partnership operations, the report should be for the senior partner and his family.)

	None	Income from off-farm sources	
		Dollars	Cents
1. Operation of a non-farm-related business (not reported in Section 36) or professional practice <i>(Report NET after expenses.)</i>	<input type="checkbox"/>	921 \$	
2. Cash wages, salaries, commissions, and tips from all jobs <i>(Report amount before deducting taxes.)</i>	<input type="checkbox"/>	922 \$	
3. Interest, dividends, or royalties	<input type="checkbox"/>	923 \$	
4. Federal Social Security, pensions, retirement pay, veterans payments, annuities, unemployment insurance, workmen's compensation, and old age and other public assistance.	<input type="checkbox"/>	924 \$	
5. Rental income of nonfarm property <i>(Report NET after deduction of expenses.)</i>	<input type="checkbox"/>	925 \$	

Section 38 PERSON COMPLETING THIS REPORT

PLEASE PRINT

Name	Date		Telephone	
	931 Month	Day	932 Area Code	Number

Enter remarks on back cover.

INSTRUCTION SHEET FOR FORM 74-A1

1974 CENSUS OF AGRICULTURE

INFORMATION AND INSTRUCTIONS TO HELP YOU FILL OUT YOUR REPORT

Please remove this sheet and keep it handy for reference while filling out the report. Additional help may be found in copies of the Farm Census Guide, which should be available for reference at U.S.D.A. County offices and other locations in your area. Do NOT return these instructions with your filled out report.

GENERAL INFORMATION

- ▶ **(1) Who Should Complete This Form** — All persons receiving this form, including landlords, tenants, partnerships, corporations, institutions, and others should complete the first sections. Most people will need to complete the rest of the form. However, some will be able to skip most of it. Follow the directions at the end of Section 2.
- ▶ **(2) If You Have Multiple Farming Operations** — A census report form should be filled out for each separate and distinct production unit. For example, if you are the sole proprietor of one agricultural operation, the senior partner in an agricultural partnership, and manager of a third agricultural operation, three separate census reports should be filled out and returned by you. A separate report should be made for each agricultural operation (farm, ranch, feedlot, greenhouse, etc.) for which you maintain separate records of operating expenses and sales, livestock and other inventories, machinery and equipment, and crop acreages and production. If you need more forms, please let us know.
- ▶ **(3) If You Don't Have Multiple Farming Operations and You Received Two or More Census of Agriculture Report Forms** — Complete only one form for your place. If you received both a green form (74-A1) and a brown form (74-A2) fill out the green form. Tear off the front covers of any extra forms received, write "Duplicate" beside the extra addresses, and return the covers with your completed report so we can correct our address list.

INSTRUCTIONS AFTER YOU'VE COMPLETED SECTION 3

Now that you've completed Section 3, please read the following instructions.

- ▶ **(4) Complete the Rest of This Form** if you reported an acreage in Section 3, item 4, and had agricultural operations on that land. Read the instructions beginning with "More General Information" if you need help. Mail the completed form back in the return envelope provided. (Do NOT return this Instruction Sheet.)
- ▶ **(5) Do Not Complete The Rest of The Form if —**
 - ▶ EITHER ◀
 - (a) You reported an acreage in Section 3, item 4 but had no agricultural operations in 1974 on the land.
 - ▶ OR ◀
 - (b) All of your land was operated by a renter or sharecropper. (The entry in Section 3, item 4 should be "0" in most cases.) Your renter or sharecropper should have received a report form also and he is required to report the agricultural operations on the land he rents from or works on shares for you. You may be able to help him fill out his report.
 - ▶ OR ◀
 - (c) Your only involvement with the agricultural activity was a financial investment and Section 3, item 4 is "0." The operator of that activity will receive a report form to fill out.

If you are not required to complete the rest of the form—PLEASE—

- (1) Tear off the front cover and page one.
- (2) Write a brief explanatory note on the cover describing why you are not a farm operator such as: "Sold farm in 1973," "No crops or livestock," "All land rented out," "Not a farm operator — only have financial interest in some cattle;" and
- (3) Mail back the two torn-off sheets in the return envelope found in the centerfold.

MORE GENERAL INFORMATION

- ▶ **(6) Partnership Operations** — For partnerships, the senior partner should fill out one report form for the entire partnership farming operation. If members of the partnership operate farms on their own, in addition to the partnership, separate reports should be filled out for each individual place. If members of the farming partnership, other than the senior partner, received report forms and they had no farming operations of their own, they should tear off the cover, write a brief explanation such as "Senior partner has filled out report for partnership — I have no other farming operations of my own," and mail it back to us in the return envelope.
- ▶ **(7) Landlord's or Contractor's Share** — If you rented or leased land or had a contract for the production of agricultural products, be sure to include on your report the landlord's or contractor's share of the production, sales, and expenses, so your Census report will be complete for "This Place."

If you do not know the landlord's or contractor's share, include your BEST ESTIMATE.
- ▶ **(8) The Same Report Form Is Used For All States Except Hawaii.** Because it is meant for use in all parts of the country, it contains sections which may not apply in your area or to your operation. For these, you can simply mark the "No" box and go to the next section.
- ▶ **(9) Filling Out the Report Form** — There are a few rules that will help us if you follow them.

(a) All money figures may be entered in whole dollars. Cents are not required.

(b) Enter whole numbers except where tenths are asked for. Where you have 1/2 or 1/4 or 1/3 of an acre or ton, convert these to tenths. For instance, convert 1/2 to 5/10, 1/3 to 3/10, 1/4 to 2/10, etc.

(c) Enter replies in the proper space, on the correct line, and in the units requested; i.e., dollars, bushels, tons, etc. Some conversion methods are shown on the report form or in the Instructions under the appropriate section number.

(d) If you do not have exact figures, give your best estimates.

(e) A section answered by an "X" in the "No" box is finished. Go to the next section indicated.

INSTRUCTIONS FOR SPECIFIED SECTIONS

▶ Section 3 — Acreage in 1974

The purpose of Section 3 is to establish the land for which you are to report agricultural operations. Report all agricultural land operated by the addressee in 1974—cropland, woodland, pastureland, wasteland, and any other land—not just planted land. Report for all separate pieces of land that are included in this operation, regardless of location.

Market value refers to what you think the land and buildings would sell for under present market conditions.

Item 1 — Land Owned — Include all land associated with agricultural operations in 1974, whether held under title, purchase contract or mortgage, homestead law, or as heir or trustee of an undivided estate by you and/or your spouse; or by the partnership, corporation, or organization for which you are reporting.

Item 2 — Land Rented (or Leased) FROM OTHERS — Report here any land you rented FROM OTHERS for cash or equivalent or a share of the crops or livestock or used rent free, regardless of whether the landowner supplied any equipment, fertilizer, or other materials or supervised your work. Also include Federal and State land rented or leased by the acre, but not land used on a per-head or animal-unit basis.

Item 3 — Land Rented (or Leased) TO OTHERS — Report here any land rented TO OTHERS for cash or other consideration or that was worked for you by someone else for a share of the crops or livestock. Include all agricultural land which you owned (or rented from others) but did not use in 1974 because it was rented, leased, or used by others in 1974. Do not include land rented to others for only part of the year if you used it for agricultural operations for the other part.

Item 4 — Acres in "This Place" — This is the land you owned in 1974 PLUS the land you RENTED FROM others, MINUS the land you RENTED TO others. It is very important that you report this figure correctly since it is the net acreage to which the remainder of the form applies, the "Acres in This Place." That is, your report should cover only the operations on the net acreage as reported in item 4.

▶ Sections 5-16 — Crops

Do not include in your report any crops on land which you rented or leased to others or which was worked on shares by others in 1974. Your report should include only those crops grown on the "Acres in This Place," as reported in Section 3, item 4.

For each applicable crop or group of crops, report the area harvested.

An example of how to report crops harvested. — A farmer planted 100 acres of field corn. He harvested 80 acres, getting 7,000 bushels of shelled corn. He irrigated 20 acres and cut them for silage; he estimated the production at 400 tons. He turned his cattle into the 100 acres after the harvest and let them graze. All 100 acres were fertilized using 17-3/4 tons of dry fertilizer. His entries on the Census report are shown in the following illustration.

Section 5 Was any FIELDED CORN harvested for any purpose from this place in 1974?

YES — Complete this section * Report sweet corn in Section 12 and popcorn in Section 16
 NO — Go to Section 6 when you reach these sections

Acres Harvested	Quantity Harvested		Acres irrigated
	Bushels Shelled	Tons Green Chop	
101 80	7,000		
102 20	400	20	
103			
4. Commercial fertilizer used on field corn			
106 / 00	17	3/4	1/10

No provision is made for reporting acres grazed after harvest. Since letting the cattle graze was a secondary use of land already harvested, the farmer **did not** have to make any entry in item 3.

Quantity harvested — Report in the units specified. If your records show a different unit than printed on the form, please convert to the unit shown. A choice of two units is provided for some crops.

Commercial fertilizer — Report the total number of acres fertilized in 1974 and the total tons and tenths of tons (including filler), used on all applications. Report anhydrous ammonia in the "Liquid or gas" column.

Interplanted crops and "skip-row" planting — If you grew two crops in alternate strips in the same field at the same time, or one crop in a "skip-row" pattern, for each crop report the portion of the field used for that crop.

► **Section 12 — Vegetables**

Acres are to be reported for fresh market and/or for processing. If a vegetable crop was harvested for **both** purposes, prorate the acreage on the basis of the production for each use. For example, 2 tons of tomatoes were picked for fresh market from a 5-acre field; later the same 5 acres were picked and the 8 tons of tomatoes harvested went for processing. Since 2/10 of the production was for fresh market and 8/10 for processing, report 1 acre (2/10 X 5) for fresh market and 4 acres (8/10 X 5) for processing. If you don't know what use was made of the vegetables, report them under the purpose for which you think they were used.

► **Section 13 — Fruit**

If trees or vines are interplanted, estimate the area covered by each kind of fruit.

Approximate Box Weight — Pounds Per Box

State	All Oranges*	Grapefruit	Tangerines	Lemons
Arizona	75	64	75	76
California	75	65	75	76
Florida	90	85	95	90
Texas	90	80	95	90
Other States	90	85	95	90

*Includes Temples and Tangelos

Avocados — Quantity harvested — In California report for the period October 1, 1973 to September 30, 1974. In Florida report for the period July 1, 1974 to about February 28, 1975.

Figs — Report quantity harvested in dry weight. In California 3 lbs. fresh = 1 lb. dry. Other States 4 lbs. fresh = 1 lb. dry.

► **Section 18 — Land Use in 1974**

All acres included in this place (see entry in Section 3, item 4) should be accounted for. If any acreage was devoted to more than one specified land use during 1974, report the acreage only on the line for the first item which fits. (For example, 10 acres harvested for wheat for grain and subsequently pastured — report the 10 acres only in item 2a, Cropland harvested.)

► **Section 19 — Irrigation**

Report the estimated quantity of water used in the unit of measure most convenient for you.

Acre-feet — Many irrigation districts show amount of water delivered to their users in acre-feet on their bills. If you do not know the acre-feet of water used but have an estimate of average acre-feet used per acre, obtain the total acre-feet by multiplying the average times the number of acres irrigated.

Gallons — Irrigators pumping from their own wells may estimate total gallons used by multiplying the pumping capacity for the pump times minutes in the hour (60), times hours pumped per day, times days pumped per season during 1974. For example, a 100 gal./minute pump was pumped an average of 20 hours per day for a season of 96 days. One hundred gal./minute times 60 minutes, times 20 hours pumped per day, times 96-day season = 11,520,000 gallons.

Total inches — When a sprinkler system is used, it may be simpler to estimate the total depth in inches of all water applied during the season.

► **Sections 22-26 — Livestock and Poultry**

Animals to be included in the report — Report all animals on the place on December 31, 1974 **owned by you or kept by you** for others. Include animals on unfenced land, grazing on national forest land, grazing on district land or cooperative grazing association land, or rangeland administered by the Bureau of Land Management on a per-head or lease basis (such as wheat pasture). Include poultry (broilers, layers, turkeys, etc.) fed under contract on "This Place."

Animals to be excluded from the report — Do not report any animals on land rented to others in 1974. Your report should include only animals on the "Acres in This Place" as reported in Section 3, item 4, except as noted above.

Number sold — Report all animals sold or removed from this place including those sold for a landlord or given to a landlord as his share or to others in trade or in payment for goods and services. Include animals of all ages without regard to ownership or who shared in the receipts if the animals were located on the place 30 days or more and were sold or removed from the place for sale in 1974.

Sales from contract and custom feeding operations — Include animals (including poultry fed under contract) fed on this place on a contract or custom basis if they were removed from the place in 1974.

Animals bought and sold — Do not include animals bought and resold within 30 days. Such purchases and sales are considered to be "dealer" transactions and should not be reported.

Fat cattle sales — Do not include on the fattened cattle line:

- (a) Veal calves which were fattened primarily on milk, or
- (b) Dairy cows fed only the usual dairy ration before being sold, or

(c) Cattle and calves that have been fed on grain or concentrates and sold for further feeding.

Value of sales — Be sure to report the total value of sales without deducting cost of feed, cost of livestock purchased, cost of hauling and selling, and so forth. If the sales price or value is not known, give your best estimate of their value when they left this place.

Animals sold from another place — Do not report the value of sales of animals owned by you but held and sold from someone else's place. For example, do not report cattle purchased elsewhere, fed in, and sold from a feedlot not part of this place.

Animals moved to another place — For animals removed from your place to a feedlot for feeding, give your best estimate of their market value when they left this place.

Sheep and lambs shorn — In the first answer space report the number shorn; in the second answer space report the total weight in pounds, grease basis, of all wool obtained in 1974, whether from one or two shearings.

► **Section 28 — Miscellaneous Items**

Futures market — Report those commodities you bought or sold (or bought and sold) through a commodity exchange as a hedge against crops produced on this place. Do not report transactions in any commodities not grown on the place. For example, if you bought or sold both wheat and cotton through a commodity exchange and wheat was grown on the place but no cotton, mark only the box opposite wheat.

► **Section 29 — Contracts**

Many farm products are produced and marketed under a contract or binding agreement between the farm operator (producer) and the person who buys or uses the farm product. It may be a production contract, a marketing contract, or a combination of both. **Production contracts** usually specify the kind and/or amount of farm product to be produced and may specify variety or breed, the operations to be performed during production, and the inputs and technical assistance to be supplied by the contractor. **Marketing contracts** usually specify the kind and/or amount of farm product to be delivered but usually do not specify the particular operations or methods to be used in production.

For each product under contract, report the type of contract. Co-op contractors should include production contracts with cooperative processors. Do not include contracts made by you for services (customwork, hauling, etc.) or to produce farm items for you wherein you are the purchaser rather than the supplier of the products.

If a sales contract or agreement provides also for supplying or furnishing feed, seed, labor, or equipment, report it as a production contract. Do not report contracts or agreements which do not provide **specifically** for the production or marketing of agricultural products.

► **Section 33 — Farm Credit**

Item 1 — Debts Secured by Real Estate — Do not include debt on land and buildings rented to or from others. If you owned a farm, with a debt on it, and rented part of it to others or had worked on shares, report (estimate) only the part of the debt that relates to the part operated by you.

Item 2 — Debts Not Secured by Real Estate — Do not report: (1) debts on nonagricultural property such as cotton gins, canning factories, sugar mills, motels, stores, etc.; (2) price support loans owed to the Commodity Credit Corp.; (3) your landlord's share of any debts; or (4) charge accounts that are paid in full monthly (debts owed for less than 30 days).

► **Section 36 — Income and Expenses from Farm-Related Sources**

Items 1, 2, and 5 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 amount received before taxes and expenses.**

Do not report income or expenses for customwork or agricultural services provided for others if operated as an entirely separate business from your agricultural operations. The net amount should be reported in Section 37 — Family Income from Off-Farm Sources (Part C, item 1).

► **Section 37 — Type of Organization**

Individual or family operation (sole proprietorship) — Defined as a farm or business organization controlled and operated by an individual. Includes family operations that are **not** incorporated and **not** operated under a partnership agreement.

Partnership operations — Defined as two or more persons who have agreed on the amount of their contribution (capital and effort) and the distribution of profits. Co-ownership of land by husband and wife or joint filing of income tax forms by husband and wife do not necessarily mean that a partnership exists unless there is some agreement as to sharing contributions, decision making, profits, and liabilities.

Corporation, including family corporations — 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.

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

U.S. DEPT. OF COMMERCE
Social and Economic Statistics
Administration
BUREAU OF THE CENSUS

**1974
CENSUS OF
AGRICULTURE**

PLEASE remove the envelope and Instruction Sheet from the center of this booklet and . . . **KEEP THEM HANDY.**

EXPLANATIONS AND INSTRUCTIONS are provided all through the form with more detail in the Instruction Sheet you have removed from the center of this report. Use them — **they will help.**

*A Message from the Director
of the Bureau of the Census...*

January 2, 1975

Dear Friend:

It's time for the 1974 Census of Agriculture, and we need your help.

Please fill out this report and return it in the envelope provided.

This is a most important census. Many changes have occurred in agriculture since 1969 when the last census was taken. It is important to you that these changes be measured and understood by other farmers and ranchers as well as by those who serve you and them.

Your answers are needed and are **COMPLETELY CONFIDENTIAL**, as spelled out in the Notice at the right of this letter.

Please fill out your report and send it back right away. We'll appreciate it very much.

Sincerely,



VINCENT P. BARABBA
Director
Bureau of the Census

NOTICE — Response to this inquiry is required by law. (Title 13, U.S. Code) By the same law **YOUR REPORT TO THE CENSUS BUREAU IS CONFIDENTIAL.** It may be seen only by sworn Census employees and may be used only for statistical purposes. Your report **CANNOT** be used for purposes of taxation, investigation, or regulation. The law also provides that copies retained in your files are immune from legal process.

NOTE: If you correspond with us regarding your report, please use the Census File Number shown in the address block on the booklet cover.

Complete this report and **RETURN TO**



**BUREAU OF THE CENSUS
1201 East Tenth Street
Jeffersonville, Indiana 47130**

Section 1 Did you receive more than one report form?

- YES — See separate Instructions
- NO — Go to Section 2

Enter extra file number(s) here

Section 2 **FARMING, RANCHING, OR OTHER AGRICULTURAL ACTIVITIES IN 1974**

- | | | |
|--|----------------------------|----------------------------|
| | YES | NO |
| 1. At any time in 1974 did you raise, produce, or sell ANY amount of any of the items listed below? | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| <ul style="list-style-type: none"> • Crops • Hay, pasture, sod • Vegetables, melons, mushrooms • Fruits, nuts, berries, and citrus • Cattle (including feedlots) • Hogs, sheep, goats, horses • Poultry, eggs • Dairy products • Forest products on farms • Greenhouse and nursery products • Fish in captivity • Fur-bearing animals in captivity • Other animal specialties | | |
| 2. Did you at any time in 1974 raise or produce any agricultural products for contractors such as feed companies, processors, or packers? | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 3. Did you raise or produce any agricultural products for others or with others under a partnership, share arrangement, or other rental agreement in 1974? | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 4. Did you own any land that was used by someone else for agricultural purposes in 1974? | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |
| 5. Did you own any livestock or poultry that was cared for by someone else under a share agreement or custom arrangement in 1974? | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> |

▶ If you answered YES to ANY of these questions, go to Section 3.
▶ If you answered NO to ALL five of these questions, tear off this front cover and mail it back to us in the envelope provided.

Section 3 ACREAGE in 1974 and LAND VALUE

Include all cropland, pastureland, rangeland, woodland, wasteland, idle land, house lots, etc.

- 1. ALL land owned.
- 2. ALL land rented or leased FROM OTHERS, including land worked on shares; leased Federal, State, and railroad land; and land used rent free. (Do NOT include land used on a per-head basis under a grazing permit.) . . .
- 3. All land rented or leased TO OTHERS, including land worked on shares by others and land subleased.
- 4. **TOTAL ACRES IN "THIS PLACE"** ① (Please ADD acres owned (item 1) and acres rented (item 2), then SUBTRACT acres rented to others (item 3), and enter your answer in this space.) ➔

Number of acres	Your estimate of the current market value of these acres and the buildings on them	
	Dollars	Cents
040	1	
050	1	
060	1	
070	These are the ACRES in "THIS PLACE" ① for this census report	

① "THIS PLACE" means your farm or ranch, feedlots, poultry houses, greenhouses, and/or any other agricultural operations.

- 5. If you rented land FROM OTHERS (item 2 above), please enter the following information for each landlord.

Name	Address (No. and street, city, State, ZIP code)	Number of acres	Rental arrangements in 1974 Mark (X) all that apply			
			Share of crops	Share of livestock or products	Cash as rent	Other arrangements
		081	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
		082	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
		083	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>

List additional landlords on back cover.

- 6. If you rented land TO OTHERS (item 3 above), please enter the following information for each renter.

Name	Address (No. and street, city, State, ZIP code)	No. of acres
		085
		086
		087

List additional renters on back cover.

- 7. Of the land you rented or leased from others (item 2 above), how many acres did you subrent or sublease to others? (Include land rented or leased by you which was worked on shares by others.)

Number of acres	Current market value
088	1 \$



You may be able to skip most of this form if —
 a. All the land you owned or rented was worked on shares or rented to someone else.
 b. There were no crops or livestock in 1974 on the acres in "THIS PLACE" (item 4 above).
 c. The land you operated prior to 1974 has been sold to someone else.
 If a, b, or c apply to your operation, please read the Instructions before continuing with this report.

Section 4 LOCATION OF AGRICULTURAL ACTIVITY

- 1. In what county was the largest value of your agricultural products raised or produced? (Enter county name, State, and number of acres on the "Principal county" line. If you have agricultural operations in any other county(ies), enter the county name(s), etc., on the lines provided for "Other counties.")
- 2. Location of place within principal county entered above. (Give name of township, district, precinct, etc., or Township - Range numbers.)

	County name	State	No. of acres
Principal county			091
Other counties			092
			093
			094

Name of location

015
014
013
012
011
010
CENSUS USE ONLY

Section 5 CROPS HARVESTED FOR ANY PURPOSE FROM THIS PLACE IN 1974

Report all crops harvested. Include crops grown under contract. Be sure to include landlord's share.

- 1. Field corn for grain or seed (Report quantity on a shelled basis in either **bushels or hundredweight**. 70 lbs. ear corn or 56 lbs. shelled corn = 1 bushel shelled corn.)
- 2. Field corn for silage, cut for green chop or dry fodder, hogged or grazed (Do not include acres already reported in item 1.).
- 3. Sorghums or milo for grain or seed (Report quantity harvested in either **bushels or pounds**.)
- 4. Sorghums for silage, cut for green chop, dry forage or hay, or hogged or grazed (Do not include acres already reported in item 3.).
- 5. Soybeans for beans
- 6. Peanuts for nuts
- 7. Wheat for grain
- 8. Other small grains or grain — oats, barley, rye, rice, etc. — Specify _____
- 9. Cotton
- 10. Tobacco — all types
- 11. Irish potatoes (excluding home use)
- 12. Sweetpotatoes (excluding home use).
- 13. Hay — all kinds except sorghum hay (Include grain hay, grass silage, wild hay, etc. If two or more cuttings were made from the same land, REPORT ACRES ONLY ONCE, but report total tons of all cuttings.)
- 14. Vegetables, sweet corn, or melons for sale
- 15. Land in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees of all ages (Include land on which the fruit crop failed. Do not include abandoned acreages or plantings.) — Specify _____
- 16. Berries for sale — Specify _____
- 17. All other crops (Include field seeds; sugar crops; nursery products; flowers, etc., grown in the open, sod, etc.) — Specify _____

None	Acres harvested	Quantity harvested
101	}	1 Bushels shelled
		6 — OR — Hundredweight shelled
104		
111	}	1 Bushels
		6 — OR — Pounds
115		
121	1	Bushels
122	1	Pounds
130	1	Bushels
136		
151	1	Bales
152	1/10	Pounds
153	1/10	Hundredweight
154	1/10	Bushels
170	1	Tons, dry
240	1/10	
301	1/10	
401	1/10	
430	1/10	

Square feet
460

18. If any greenhouse products were sold, how many square feet were under glass or other protection?

Section 6 LAND USE IN 1974

The purpose of this section is to distribute all acres in "THIS PLACE" among items 1 through 5.

NOTE: If the same land had more than one use in 1974, REPORT THAT LAND ONLY ONCE — in the first use that applies. For example, cropland that was harvested and pastured is to be reported only as "Cropland harvested."

1. Cropland harvested (Include all land from which crops were harvested or hay was cut, and all land in orchards, citrus groves, vineyards, and nursery and greenhouse products. If two crops were harvested from the same land in 1974, report the acres only once.)
2. Cropland used only for pasture or grazing
3. All other cropland (Include cropland used for soil-improvement crops, crop failure, cultivated summer fallow, and idle cropland.)
4. Woodland (Include woodland pasture.)
5. All other land (Include pastureland other than cropland and woodland pasture, rangeland, and land in house lots, barn lots, ponds, roads, wasteland, etc.)
6. **TOTAL ACRES IN "THIS PLACE"** (Please add the acres reported in items 1 through 5 and enter the total in this space.)
(This total should be the same as the total in Section 3, item 4.)

Number of acres	
502	
503	
504	
510	
513	
517	

7. How much of the total land reported in item 6 was IRRIGATED in 1974? Acres irrigated

Section 7 LIVESTOCK AND POULTRY

Be sure to report all livestock and poultry on this place on December 31, 1974, no matter who owned them. Include as sold all livestock and poultry fed on a contract or custom basis and taken from this place in 1974.

	None	INVENTORY	
		Number on this place December 31, 1974	Number sold in 1974
1. Hens and pullets of laying age (Exclude started pullets being raised for sale.)	<input type="checkbox"/>	601	1
2. Any other chickens 3 months old or older (roosters, started pullets, etc.)	<input type="checkbox"/>	604	1
3. Broilers, fryers, and other meat-type chickens (including capons and roasters)	<input type="checkbox"/>	608	1
4. Cattle and calves of all ages.	<input type="checkbox"/>	631	1
a. Beef cows (Include beef heifers that had calved.)	<input type="checkbox"/>	632	
b. Milk cows (Include dry milk cows and milk heifers that had calved.)	<input type="checkbox"/>	633	
5. Hogs and pigs of all ages	<input type="checkbox"/>	651	1
a. Of the total sold, how many were sold as FEEDER PIGS for further feeding?	<input type="checkbox"/>		2
b. Litters of pigs farrowed on this place between —	None	Number of litters	
(1) December 1, 1973 and May 31, 1974	<input type="checkbox"/>	654	
(2) June 1, 1974 and November 30, 1974	<input type="checkbox"/>	655	
6. Sheep and lambs of all ages	<input type="checkbox"/>	661	1
7. Horses and ponies of all ages.	<input type="checkbox"/>	670	1
8. Other livestock and poultry — goats, mules, fur-bearing animals, turkeys, ducks, geese, colonies of bees, poultry hatched, fish in captivity except at fish hatcheries, etc.	<input type="checkbox"/>	698	1
Specify what kind _____		699	1

Section 8 **MACHINERY AND EQUIPMENT on this place on December 31, 1974**
(Include only equipment used for agricultural operations in 1973 or 1974.)

■ **Value of ALL machinery and equipment on this place, December 31, 1974**

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

	Estimated market value	
	Dollars	Cents
701		
\$		

■ **SELECTED machinery and equipment on this place, December 31, 1974**
(Report only if used in 1973 or 1974.)

- 2. Automobiles
- 3. Motortrucks *(Include pickups.)*
- 4. Wheel tractors other than garden tractors and motor tillers
- 5. Crawler tractors
- 6. Grain and bean combines, self-propelled only
- 7. Corn heads for combines
- 8. Other corn pickers and picker-shellers
- 9. Mower conditioners
- 10. Pickup balers
- 11. Windrowers — pull and self-propelled *(Exclude side delivery rakes.)*
- 12. Field forage harvesters, shear bar or flywheel type

	Total number on this place on December 31, 1974	Of the total, HOW MANY were manufactured in the last 5 years (1970-1974)? (Number)
702		1
703		1
704		1
705		1
706		1
707		1
708		1
709		1
710		1
711		1
712		1

Section 9 **Production EXPENSES paid by you and others for this place in 1974**

Include your best estimates of expenses paid by you, your landlord, contractors, buyers, and others for production of crops, livestock, and other agricultural products on this place. DO NOT INCLUDE expenses connected with performing customwork off this place, operation of non-farm activities, businesses or services and household expenses not related to the farm business.

- 1. Livestock and poultry purchased—cattle, calves, hogs, pigs, sheep, lambs, goats, horses, baby chicks, poults, started pullets, etc.
- 2. Total feed purchased for livestock and poultry—grain, hay, silage, mixed feeds, concentrates, etc.
 - a. Commercially mixed formula feeds purchased — complete, supplement, concentrates *(Do not include ingredients purchased separately, such as soybean meal, cottonseed meal, and urea.)*
- 3. Seeds, bulbs, plants, and trees purchased.
- 4. Commercial fertilizer purchased — all forms, including rock phosphate and gypsum *(Report custom application costs in item 8.)*
- 5. Total gasoline and other petroleum fuel and oil purchased for the farm business — Diesel fuel, LP gas, butane, propane, piped gas, kerosene, fuel oil, motor oil, grease, etc..
- 6. Hired farm labor
- 7. Contract labor
- 8. Machine hire and customwork *(Include expenditures for this place for use of equipment and for customwork such as grinding and mixing feed, plowing, combining, corn picking, silo filling, spraying, dusting, fertilizing, drying, etc.)*
- 9. Agricultural chemicals purchased *(Include lime, insecticides, etc. Exclude fertilizer.)*
- 10. All other production expenses *(Include other current operating expenses such as depreciation, taxes, interest, cash rent, insurance, repairs, electricity, purchase of water, etc., for the farm business.)*
- 11. **TOTAL PRODUCTION EXPENSES including expenses paid by landlords, contractors, or others** *(Add dollars for items 1 through 10 and enter total here.)*

Tons	Tenths	Dollars	Cents
803		1	
	/10	\$	

	Production expenses	
	Dollars	Cents
801		
\$		
802		
\$		
803		
\$		
808		
\$		
809		
\$		
811		
\$		
821		
\$		
823		
\$		
824		
\$		
826		
\$		
827		
\$		
829		
\$		



Section 10 Value of AGRICULTURAL PRODUCTS SOLD from this place in 1974 before taxes and expenses

Report your best estimates of the value of each of the following groups of products sold from this place. Include value of landlord's and/or contractor's share, estimating if necessary.

	Estimated value of products sold	
	Dollars	Cents
831		
1. Crops and hay sold (Do not include nursery and greenhouse products.)	\$	
839		
2. Nursery and greenhouse products sold	\$	
849		
3. Forest products sold — firewood, fuelwood, fenceposts, sawlogs, Christmas trees, gum for naval stores, standing timber or trees, maple products, etc.	\$	
852		
4. Poultry and poultry products (eggs, etc.) sold	\$	
858		
5. Livestock and livestock products (milk, wool, etc.) sold	\$	
859		
6. TOTAL VALUE OF PRODUCTS SOLD including value of landlord's and/or contractor's share (Add dollars entered in items 1 through 5 and enter total here.)	\$	

Section 11 INCOME AND EXPENSES from FARM-RELATED SOURCES IN 1974

Part A — INCOME FROM FARM-RELATED SOURCES
(Report amount received before taxes and expenses.)

	None	Farm-related income	
		Dollars	Cents
871			
1. Customwork and other agricultural services provided for farmers and others — plowing, planting, spraying, harvesting, preparation of products for market, etc. (If customwork is a separate business, see Instructions.)	<input type="checkbox"/>	\$	
872			
2. Recreational services — providing hunting, fishing, picnicking, camping, boarding and lodging, or other recreational facilities on this place	<input type="checkbox"/>	\$	
873			
3. Payments you received for participation in Government farm programs (Do not include redeemable loans.)	<input type="checkbox"/>	\$	
874			
4. Gross cash rent or share payments received from renting out farm land or payments received from lease or sale of allotments (Include payments for livestock pastured on a per-head basis, per-month basis, per-pound basis, etc.)	<input type="checkbox"/>	\$	
875			
5. Other business or source which is conducted on or CLOSELY RELATED to the AGRICULTURAL OPERATIONS on this place — Specify kind _____	<input type="checkbox"/>	\$	

Part B — EXPENSES FOR FARM-RELATED INCOME SOURCES

	None	Farm-related expenses	
		Dollars	Cents
876			
6. For farm-related income sources reported in items 1 through 5, enter the total estimated expenses paid by you and others in 1974 (Include all operating expenses, depreciation, taxes, interest, insurance, etc. Do NOT include expenses already reported in Section 9.)	<input type="checkbox"/>	\$	

Section 12 FARM OPERATOR CHARACTERISTICS

903
 1. Where does the operator, person in charge, of this farm or ranch live?
 1 On this place
 Not on this place — { 2 On another farm
 3 In a rural area, not on a farm
 4 In a city, town, or urban area

904
 2. Year operator began to operate any part of this place _____ Year

905
 3. Operator's age _____ Years old

906
 4. Operator's race — Mark (X) appropriate box
 1 White
 2 Negro or Black
 3 American Indian
 4 Mexican American Chicano Mexican (Mexicano) Puerto Rican Cuban Central or South American Other Spanish
 5 Japanese Chinese Filipino
 11 Other — Specify what race _____

907
 5. Principal Occupation — At what occupation did the operator spend the majority (50 percent or more) of his work time in 1974? (For partnerships, consider all members of the partnership together.)
 1 Farming
 2 Other

911
 6. Number of days operator worked off this place in 1974 (Include work at a nonfarm job, business, or profession, or on someone else's farm. Do not include exchange farm work.) — Mark (X) the appropriate box.
 1 None
 2 1-49 days
 3 50-99 days
 4 100-149 days
 5 150-199 days
 6 200 days or more

920
 7. Was the income which you and your family received from work off the farm and from other sources greater than the total value of agricultural products sold from this place in 1974?
 1 Yes
 2 No

8. Person preparing this report PLEASE PRINT	Name		Date		Telephone	
			931 Month	Day	932 Area code	Number

REMARKS — Please write your remarks on the outside back cover where we can more readily see and respond to them if required.

INSTRUCTION SHEET FOR FORM 74-A2

1974 CENSUS OF AGRICULTURE

INFORMATION AND INSTRUCTIONS TO HELP YOU FILL OUT YOUR REPORT

Please remove this sheet and keep it handy for reference while filling out the report. Additional help may be found in copies of the Farm Census Guide, which should be available for reference at U.S.D.A. County offices and other locations in your area. Do NOT return these instructions with your filled out report.

GENERAL INFORMATION

- ▶ **(1) Who Should Complete This Form** — All persons receiving this form, including landlords, tenants, partnerships, corporations, institutions, and others should complete the first sections. Most people will need to complete the rest of the form. However, some will be able to skip most of it. Follow the directions at the end of Section 2.
- ▶ **(2) If You Have Multiple Farming Operations** — A census report form should be filled out for each separate and distinct production unit. For example, if you are the sole proprietor of one agricultural operation, the senior partner in an agricultural partnership, and manager of a third agricultural operation, three separate census reports should be filled out and returned by you. A separate report should be made for each agricultural operation (farm, ranch, feedlot, greenhouse, etc.) for which you maintain separate records of operating expenses and sales, livestock and other inventories, machinery and equipment, and crop acreages and production. If you need more forms, please let us know.
- ▶ **(3) If You Don't Have Multiple Farming Operations and You Received Two or More Census of Agriculture Report Forms** — Complete only one form for your place. If you received both a green form (74-A1) and a brown form (74-A2) fill out the green form.

Tear off the front covers of any extra forms received, write "Duplicate" beside the extra addresses and return the covers with your completed report so we can correct our address list.

INSTRUCTIONS AFTER YOU'VE COMPLETED SECTION 3

Now that you've completed Section 3, please read the following instructions.

- ▶ **(4) Complete the Rest of This Form** if you reported an acreage in Section 3, item 4, and had agricultural operations on that land. Read the instructions beginning with "More General Information" if you need help. Mail the completed form back in the return envelope provided. (Do NOT return this Instruction Sheet.)

- ▶ **(5) Do Not Complete The Rest of The Form if —**

▶ EITHER ◀

(a) You reported an acreage in Section 3, item 4, but had no agricultural operations in 1974 on the land.

▶ OR ◀

(b) All of your land was operated by a renter or sharecropper. (The entry in Section 3, item 4 should be "0" in most cases.) Your renter or sharecropper should have received a report form also and he is required to report the agricultural operations on the land he rents from or works on shares for you. You may be able to help him fill out his report.

▶ OR ◀

(c) Your only involvement with the agricultural activity was a financial investment and Section 3, item 4 is "0." The operator of that activity will receive a report form to fill out.

If you are not required to complete the rest of the form—PLEASE—

(1) Tear off the front cover and page one:

(2) Write a brief explanatory note on the cover describing why you are not a farm operator such as: "Sold farm in 1973," "No crops or livestock," "All land rented out," "Not a farm operator — only have financial interest in some cattle," and

(3) Mail back the two torn-off sheets in the return envelope found in the centerfold.

MORE GENERAL INFORMATION

- ▶ **(6) Partnership Operations** — For partnerships, the senior partner should fill out one report form for the entire partnership farming operation. If members of the partnership operate farms on their own, in addition to the partnership, separate reports should be filled out for each individual place. If members of the farming partnership, other than the senior partner, received report forms and they had no farming operations of their own, they should tear off the cover, write a brief explanation such as "Senior partner has filled out report for partnership — I have no other farming operations of my own," and mail it back to us in the return envelope.
- ▶ **(7) Landlord's or Contractor's Share** — If you rented or leased land or had a contract for the production of agricultural products, be sure to include on your report the landlord's or contractor's share of the production, sales, and expenses, so your Census report will be complete for "This Place."

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

- ▶ **(8) Filling Out the Report Form** — There are a few rules that will help us if you follow them.

(1) All money figures may be entered in whole dollars. Cents are not required.

(2) Enter whole numbers except where tenths are asked for. Where you have 1/2 or 1/4 or 1/3 of an acre or ton, convert these to tenths. For instance, convert 1/2 to 5/10, 1/3 to 3/10, 1/4 to 2/10, etc.

(3) Enter replies in the proper space, on the correct line, and in the units requested; i.e., dollars, bushels, tons, etc.

(4) If you do not have exact figures, give your best estimates.

INSTRUCTIONS FOR SPECIFIED SECTIONS

- ▶ **Section 3 — Acreage in 1974**

The purpose of Section 3 is to establish the land for which you are to report agricultural operations. Report all agricultural land operated by the addressee in 1974—cropland, woodland, pastureland, wasteland, and any other land—not just planted land. Report for all separate pieces of land that are included in this operation, regardless of location.

Market value refers to what you think the land and buildings would sell for under present market conditions.

Item 1 — Land Owned — Include all land associated with agricultural operations in 1974, whether held under title, purchase contract or mortgage, homestead law, or as heir or trustee of an undivided estate by you and/or your spouse; or by the partnership, corporation, or organization for which you are reporting.

APPENDIX C Continued

Item 2 — Land Rented (or Leased) FROM OTHERS — Report here any land you rented FROM OTHERS for cash or equivalent or a share of the crops or livestock or used rent free, regardless of whether the landowner supplied any equipment, fertilizer, or other materials or supervised your work. Also include Federal and State land rented or leased by the acre, but not land used on a per-head or animal-unit basis.

Item 3 — Land Rented (or Leased) TO OTHERS — Report here any land rented TO OTHERS for cash or other consideration or that was worked for you by someone else for a share of the crops or livestock. Include all agricultural land which you owned (or rented from others) but did not use in 1974 because it was rented, leased, or used by others in 1974. Do not include land rented to others for only part of the year if you used it for agricultural operations for the other part.

Item 4 — Acres in "This Place" — This is the land you owned in 1974 PLUS the land you RENTED FROM others, MINUS the land you RENTED TO others. It is very important that you report this figure correctly since it is the net acreage to which the remainder of the form applies, the "Acres in This Place." That is, your report should cover only the operations on the net acreage as reported in item 4.

► Section 5 — Crops

Do not include in your report any crops on land which you rented or leased to others or which was worked on shares by others in 1974. Your report should include only those crops grown on the "Acres in This Place," as reported in Section 3, item 4.

For each applicable crop or group of crops, report the area harvested. Notice that items 1 through 9 and 13 ask for whole acres, while items 10, 11, 12, 14, 15, 16, and 17 ask for acres and tenths, and item 18 should be reported in square feet.

Quantity harvested — Report in the units specified. If your records show a different unit than printed on the form, please convert to the unit shown. A choice of two units is provided for corn and sorghums.

Interplanted crops and "skip-row" planting — If you grew two crops in alternate strips in the same field at the same time, or one crop in a "skip-row" pattern, for each crop report the portion of the field used for that crop.

► Section 6 — Land Use in 1974

All acres included in this place (see entry in Section 3, item 4) should be accounted for. If any acreage was devoted to more than one specified land use during 1974, report the acreage only on the line for the first item which fits. (For example, 10 acres harvested for wheat for grain and subsequently pastured—report the 10 acres only in item 1, Cropland harvested.)

► Section 7 — Livestock and Poultry

Animals to be included in the report — Report all animals on the place on December 31, 1974 owned by you or kept by you for others. Include animals on unfenced land, grazing on national forest land, grazing on district land or cooperative grazing association land, or rangeland administered by the Bureau of Land Management. Include poultry (broilers, layers, turkeys, etc.) fed under contract on "This Place."

Animals to be excluded from the report — Do not report any animals on land rented to others in 1974. Your report should include only animals on the "Acres in This Place" as reported in Section 3, item 4, except as noted above.

Number sold — Report all animals sold or removed from this place including those sold for a landlord or given to a landlord as his share or to others in trade or in payment for goods and services. Include animals of all ages without regard to ownership or who shared in the receipts if the animals were located on the place 30 days or more and were sold or removed from the place for sale in 1974.

Sales from contract and custom feeding operations — Include animals (including poultry fed under contract) fed on this place on a contract or custom basis if they were removed from the place in 1974.

► Section 9 — Production Expenses

Report costs incurred for items and services received during 1974 whether or not payment has been made. If you are a tenant farmer or a part-owner, you should report expenditures by landlords for agricultural operations on this place as well as your own expenditures. If you rent part of your land to others, you should report only that money spent for agricultural operations on land you used during 1974 — "Acres in This Place." Estimate the cost of items furnished by contractors.

► Section 10 — Value of Agricultural Products Sold

The items in this section relate to the agricultural production for the "Acres in This Place." Report the value of all products sold or removed from this place in 1974. Do not deduct any production costs. Include the value of a landlord's or contractor's share.

Report the total gross value of all crops sold from this place in 1974 regardless of the year they were produced, and the value of all poultry, livestock, and their products sold from this place during 1974. Include the full value of any shares given to or sold for landlords and others in payment for services or products; any products raised and sold under contract; any products sold from this place by members of the family of the person in charge of the place; crops sold in the field; crops harvested by the processor; and crops shipped to a central market.

Do not deduct any cost or expenses incurred in producing these products.

Crops sold — Include the value of any grains or other agricultural commodities placed or to be placed under Commodity Credit Corporation loan or seal and any share given to or sold for landlords and others.

Poultry and livestock sales — If there are entries in the "number sold" column for any items in Section 7, there should be an entry in item 4 and/or 5.

For livestock, poultry, and poultry products produced under contract, report the total market value (estimate if necessary) of those sold or removed from "This Place."

Landlords — If you rent land to others and also operate land yourself, report only those products sold from the part of your land that you operate as your place. Do not include crops, animals, or other farm products produced by cash tenants, share tenants, sharecroppers, or renters.

► Section 11 — Income and Expenses from Farm-Related Sources

Items 1, 2, and 5 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 amount received before taxes and expenses.**

Do not report income or expenses for customwork or agricultural services provided for others if operated as an entirely separate business from your agricultural operations.

► Section 12 — Farm Operator Characteristics

Report this information for the person who is responsible for the agricultural activities on this place. Normally, this is the person who does the work or directly supervises the work. He may be an owner, tenant, sharecropper, etc.

For partnerships, report information for the partner mainly in charge, or if in doubt, report for the eldest.

GENERAL

► (1) If additional forms are needed, write to the —

**Bureau of the Census
Agriculture Branch
1201 East Tenth Street
Jeffersonville, Indiana 47130**

► (2) To avoid unnecessary follow-ups, please complete the form and return it as soon as possible. Response to this inquiry is required by law (Title 13, U.S. Code).