Appendix A. Explanatory Materials

DEFINITIONS AND EXPLANATIONS

1. HISTORY OF THE CENSUS OF AGRICULTURE

The 1969 census is the 19th nationwide census of agriculture. The first agricultural census was taken in 1840 as part of the Sixth Decennial Census. From 1840 to 1920, an agricultural census was taken every 10 years as part of each decennial census.

With increased application of scientific findings and growing use of mechanization in agriculture, farming practices were changing so rapidly that early in this century it was evident that facts collected at 10-year intervals were no longer adequate. Aware of the need for more accurate and timely information, the Congress, in 1909 (36 Stat. 10, Sec. 31), provided for a census of agriculture to be taken in 1915 and every 10 years thereafter, *in addition* to the census of agriculture taken at the time of the decennial census. However, the census was not taken in 1915 because of the abnormal conditions created by World War I. Beginning in 1920, a national agricultural census has been taken every five years.

2. HOW THE 1969 CENSUS OF AGRICULTURE WAS TAKEN

Enumeration Method

For the first time in a nationwide census of agriculture, farmers were asked to fill out and mail back their census forms. In earlier censuses, enumerators called on all farm operators. Beginning with the 1950 census, copies of the report form were mailed prior to the enumeration starting date and farmers were asked to fill them out and have them ready for the enumerator to pick up. The enumerators going from door to door in rural areas would pick up and review any forms that had been completed; they would also fill out or complete forms for those places classified as farms which did not have forms ready for review.

Use of the mailout/mailback approach had been considered earlier and some aspects had been included in pretests for the 1964 Census of Agriculture as well as in the evaluation surveys measuring the accuracy of the earlier censuses. A coverage check of the 1964 census was especially pertinent in the final decision to adopt the mailout/mailback method for the 1969 census. A brief description of the study, called the "EPA-IRS Match" appears on page 38 of volume III, part 7, Evaluation Surveys, of the 1964 Census of Agriculture.

The Mailing List

The starting point for the enumeration of the 1969 Census of Agriculture was a mailing list comprised of all persons and organizations that could be readily identified as associated with the direction of agricultural operations in 1969. Only the more comprehensive sets of administrative records containing information related to agricultural activities were used initially.

The list was assembled primarily from the records of other Government agencies and from the 1964 Census of Agriculture lists of addresses. Internal Revenue Service records were particularly significant in developing the mailing list, since most farm operators of any importance could be identified in these records. Specifically, the IRS supplied lists of people and organizations who filed Form 1040, Schedule F (farm operators and farm landlords). The IRS also supplied lists of businesses showing, on Form 1040–Schedule C, Form 1065 (partnerships), and Form 1120S (small business corporations), that more than 50 percent of their income was from agriculture. A listing of employers of agricultural workers filing agriculture employment tax reports on Social Security Administration Form 943 was also used. The Bureau supplemented these lists with the names of Agriculture Stabilization and Conservation Service participants in the south and selected States in the remainder of the country where there appeared to be a significant number of persons with limited agricultural operations who had not filed IRS Schedule F.

The Bureau amended the basic list by conducting a precanvass early in 1969, covering about 100,000 of the larger more complex farms. The precanvass identified separate farm units of multifarm operations, farms with significant acreages in more than one county, and abnormal operations such as Indian reservations and farms operated by institutions.

The master list, constructed by merging and unduplicating the various source lists on the basis of Social Security or Employer Identification numbers, contained the names and addresses of persons or organizations associated with agricultural operations, and an indication of the size of the operation so that the Bureau could determine which of two versions of the census form to send.

Lists of specialized operations, such as nurseries and broiler operations, which might not be identified in the administrative records as associated with agricultural operations were obtained and a supplemental mailing was made to the names and addresses on these lists.

Duplicate names not identified prior to mailing were removed during office processing.

The Census Forms and Their Distribution

The regular 12-page form (A1) was sent to farms with an expected volume of sales of agricultural products in 1969, of \$2,500 or more.

A four-page form (A2) was sent to a 50-percent sample of operators whose 1969 sales were expected to total less than \$2,500. This form covered all major items-land use, crops, livestock and poultry, equipment, expenditures, and income-but omitted much of the detail found in the regular form.

Both forms are reproduced in appendix B.

Why the two forms? Emphasis in this census was placed on obtaining more detailed information for those farms with annual sales of farm products of \$2,500 or more. In 1964, the 1,817,000 farms in this group, which made up 58 percent of the total farms, accounted for more than 96 percent of the total value of all farm products sold.

It was agreed that the operators of the smaller places need not be burdened with the extensive detail required from the operators who are responsible for virtually all of our commercial farm production. Hence, the short form was developed for the operators whose 1969 sales were expected to be less than \$2,500.

The Initial Mailings

During the last week of December 1969, the report forms were mailed to all farm operators on the mailing list. Approximately 3,700,000 forms were mailed at this time-2,900,000 regular forms (A1) and 800,000 short forms (A2).

The A2 form was *not* used in Alaska and Hawaii; A1's were mailed to all names on the address list. The A1 form used in Alaska was the same as the one used in the other continental States. The A1 form used in Hawaii differed primarily in the crops section, since Hawaiian agriculture has significant differences from the mainland in the crops produced.

During the first part of 1970, lists of persons or firms filing 1969 tax returns showing agricultural operations were obtained from the Internal Revenue Service. The Bureau checked these names against the original mailing list to find individuals and organizations who had not reported agricultural operations in their 1968 income tax reports or who, for some other reason, had not been included in the December 1969 mailing. These operators were sent the appropriate regular or short form in a supplementary mailing in July 1970.

All potential farm operators who were sent the regular form, received with it a Leaflet Guide which carried on the cover a letter from the Chief of the Agriculture Division explaining the purpose of the census and asking the recipient to fill out the form and return it in the envelope enclosed. The leaflet provided descriptions and definitions for the various items in more detail than was shown on the form, as well as instructions regarding some of the more common problem situations that were anticipated and lists of what should be included or excluded in reporting the more complex items.

A reproduction of this Leaflet Guide appears in appendix B.

Potential operators who received the short form were sent the cover letter, but not the leaflet. Instructions for this relatively simple form were provided on the form itself.

It was intended that the regular form would be filled out by the operators of all farms with \$2,500 or more in sales of farm products. When recipients of the short form reported sales in 1969 substantially above this breaking point, it was necessary to go back to them for the additional detail needed for the regular form. If the recipient of the regular form reported less than \$2,500 in sales, data were tabulated for only those items which were on the short form.

Coverage of Outlying Areas

The mailout/mailback procedure was not used in taking the agriculture census in Puerto Rico, Guam, the Virgin Islands, American Samoa, and the Trust Territory of the Pacific Islands. Discussion of the methods used appears in the reports for the outlying areas.

Followup Procedures

In the United States, a reminder card dated January 10, 1970, was sent to all recipients of the regular form, urging prompt

response and expressing thanks ''if your response is already in the mail.''

The first followup letter was mailed early in March to all those on the original mailing list from whom we had not received either the completed form or other correspondence by February 25th.

After the first mail followup, telephone and field followup was started early in March to be sure that data were collected from the previously identified very large and/or very complex operations.

Over a period of the next three months, three other followup letters were sent to the other nonrespondents to achieve a response over the 90-percent level by July 1, 1970.

After the mailing of the fourth followup letter, data collection efforts continued, but on a selective basis. Field enumeration by personal interview was used to collect the data from non-respondents in 371 counties where response rates were below acceptable limits.

The collection of missing reports continued, as necessary, into the office processing phase. Lists of farms with substantial production of specific farm products had been obtained from various sources. These lists were used during data review as a check in counties having significant differences between the expected and the tabulated amounts of one or more agricultural products. Farms appearing on the lists for which a report was not found in the file of census reports being processed were contacted, usually by telephone. If it was determined that a farm had indeed been missed, a report was obtained.

The processing system provided for the possibility of incorporating reports as late as the final tabulation of county data for each State.

The telephone and field followup was performed either by the permanent staff of the Bureau's regional field offices assisted by staff held over from the population census enumeration or, in the case of the very large and complex agricultural operations, by Agriculture Division staff members.

3. STATISTICAL ADJUSTMENT PROCEDURES

Report forms were completed and tabulated for all the indentifiable larger places. In a few instances where the required information could not be obtained from the operator, data were obtained from secondary sources.

The smaller operations for which data were not obtained are represented in the statistics by replication of reports for farms having similar characteristics in the same county.

The majority of the farms represented by replication are among those having a total value of agricultural products sold in 1969 of less than \$2,500. For Illinois, data were imputed for about 8 percent of the State's farms, accounting for about 5 percent of the State's total value of agricultural products sold.

All report forms were subjected to a computer edit where adjustments using detailed programed specifications were made for incomplete or internally inconsistent data. The procedures provided for printouts of the computer changes for those farm reports if the change exceeded specified limits for the item. These changes were then reviewed for reasonableness by Agriculture Division staff members.

4. OFFICE PROCESSING

The reports for all farms were reviewed prior to keying the data to magnetic tape. Records for large agricultural operations, including all places of 50,000 acres or more, or having \$100,000 sales of agricultural products or more in 1969, were reviewed by a professional employee (agricultural statistician or economist). 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. Reports for smaller operations were subjected to a clerical editing review, during which significant problems were referred to the professional analysts for solution.

During processing, the data for each report form were subjected to a detailed review which required almost the full capacity of one of the very large electronic computers. The program provided comprehensive tests and instructions which were used to correct data found to be in error or inconsistent, to supply missing data, and to make classifications of the farm necessary for tabulation of data.

5. COMPLETENESS OF THE CENSUS

Although a complete and fully accurate count of farms, farm land, and farm production is the aim of each general, nationwide census of agriculture, it has never been reached. The causes of incompleteness and inaccuracies are a part of the complex structure of America's agriculture. Among the elements involved are the large number of 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 they operate, the expiration of leases and the making or renewal of other leases, the problems of obtaining a complete unduplicated listing of all agricultural operators, the difficulties of locating and identifying places that might be farms, the absence from their farms of some farmers during the period of the mail effort and followup procedures, the opinions of some operators that some or all of their agricultural operations should not be included in the census, etc.

Preliminary results of a check of coverage in the State indicate that about 97 percent of the farms with a total value of agricultural products sold in 1969 of \$2,500 and over, are included in the census. The 1969 coverage of part-time, part-retirement, and other low-income operations is probably less complete than for 1964 and earlier censuses. These types of operations are most likely to have been missing in the administrative records used in assembling the basic mailing list. The farms included are estimated to account for more than 98 percent of the total value of agricultural production for the State.

A more detailed statement regarding the differences in coverage between the 1969 and 1964 censuses of agriculture is provided in the Introduction to volume II of the reports for the 1969 and 1964 censuses. In addition, a detailed report on coverage of the 1969 census is scheduled to be published separately.

6. COMPARABILITY OF DATA

A factor affecting comparability, in addition to those mentioned in the introduction, was the procedure for assigning a farm to a specific geographic area.

For 1964 and earlier censuses, each enumerator was assigned to enumerate all farms in a specific geographic area, and farms were allocated to the area in which their "headquarters" was located.

Each of the 1969 farms was assigned to a "most probable" county and that county name was listed on the mailing label before the form was sent to the address on the mailing list. The assignment was based upon factors such as records of the Agricultural Stabilization and Conservation Service, the location of the post office, and county of location of the majority of rural route patrons. The respondent was asked to check if all his agricultural operations were located in the county shown on the address label, otherwise to identify the "principal" county in which his agricultural operations were conducted, and to name all other counties in which he had agricultural operations. If he failed to do this correctly, and especially if the preassigned "most probable" county was incorrect, the acres in the farm may have been tabulated for a different county than in 1964 and earlier censuses. In addition, even when the respondent replied correctly, if two counties or more were involved, his concept of the principal county where his agricultural operations were located might well have differed from the location of his "headquarters" as determined by the enumerator in the earlier census.

7. THE "SEE TEXT" REFERENCES AND OTHER NOTES FOR THE TABLES

Those items in the State tables which carry the note "see text" are identified in this section by being enclosed in quotation marks. Explanations and notes are shown for additional items.

Table 1

Total cropland may be overstated for 1969 as compared to earlier censuses due largely to the respondent (in most cases the farm operator) reporting his land in a different classification than that reported by the enumerators in earlier censuses.

Cropland used only for pasture and grazing may be overstated for 1969, due in part to a tendency of operators to report all pasture in replying to the first question regarding pasture (item 1b in section 3 of the regular form, and item 2 in section 5 of the short form).

"All other cropland" includes cropland used for soilimprovement crops, crop failure, cultivated summer fallow, and idle cropland.

"All other land" includes pastureland other than cropland and woodland pasture, rangeland, and land in house lots, barn lots, ponds, roads, wasteland, etc.

Table 2

Irrigation. Data on method of irrigation and source of water, along with additional irrigation data will be available in chapter 14, volume II, U.S. Summary, and in volume IV, Irrigation, 1969 Census of Agriculture.

Table 3

The 1964 and 1959 data reported in the columns headed "Negro operated farms" include the farms of all nonwhite operators.

Users may notice that data for managers are not shown separately in the report of farm operators by tenure. Discussion of this change from the 1964 and earlier reports will be found in section 8, immediately following this section.

Tenure data for 1964 and 1959 do not include farms operated by managers, and to this extent are not comparable to the 1969

figures in which the managers have been distributed according to the reported ownership of the land.

Additional information regarding farm operators will be reported in volume II. This volume will include data reporting year the operator began operation, detailed data regarding race, and average date the census form was completed.

Data on ownership of land rented from others, type of rental arrangements, and farms with grazing permits will be reported in volume II, with totals for each State.

Table 4

"Class 6 farms" have a value of farm products sold of \$50 to 2,499 and a farm operator under 65 years of age who did not work off the farm 100 days or more in the census year.

"Part-time farms" have a value of farm products sold of \$50 to \$2,499 and a farm operator under 65 years of age who worked off the farm 100 days or more in the census year.

"Part-retirement farms" have a value of farm products sold of \$50 to \$2,499 and an operator 65 years old or over.

"Abnormal farms" include institutional farms, experimental and research farms, and Indian reservations. Institutional farms include those operated by hospitals, penitentiaries, schools, grazing associations, government agencies, etc.

"Market value of all agricultural products sold" represents the market value, before taxes and expenses, of all agricultural products sold in the census year, including livestock and poultry and their products, crops including nursery products and hay, forest products, and all miscellaneous farm products. The figures include landlords' and contractors' shares.

Table 5

Farm production expenses, total-both farms and dollars. These figures for 1969 are heavily weighted by the effect of the reporting of "all other expenditures." The 1964 and 1959 totals are reported only for the items specifically covered in all three censuses.

Commercially mixed formula feeds. Feed ingredients purchased separately which were included for 1964 and 1959 are excluded for 1969; they are reported separately for 1969 (table 14) for farms with sales of \$2,500 and over.

Commercial fertilizer. Data for 1969 include the cost of rock phosphate and gypsum; these items were not included in the 1964 or 1959 figures.

"Other agricultural chemicals" includes all herbicides, fungicides, other pesticides, growth control chemicals, and defoliants used for crops, and insecticides for livestock and poultry in the census year.

All other production expenses. This item is subject to some errors in reporting. Operators failed, in some cases, to follow the instructions as to the types of expenditures which were to be included or excluded. Obvious errors were corrected during the processing, but the dollar figures for this item should be used with caution.

Table 7

The 1964 and 1959 figures on broilers and other meat-type chickens are based on questions which had no specification regarding age.

Table 8

Farms reporting acres and quantity harvested for soybeans for beans are underreported. The format of the regular report form (the A1) provided for related crops to be grouped in one of 12 sections each of which had an introductory general question and instructions for the respondent to skip the entire section whenever he answered "No." The introductory question to section 11, where soybeans for beans should have been reported. was "Were any dry beans, dry peas, or peanuts harvested from this place in 1969?" A limited number of respondents who had harvested soybeans apparently did not classify soybeans as dry beans and skipped the entire section. Some of these reported the crop in section 23, "Other crops," while others failed to report them. In instances where there was a sizeable difference on an individual report form between the acres of cropland harvested and the sum of the acres reported for individual crops harvested, telephone calls made to check on the difference determined that it was frequently due to failure to report either soybean or hay acreages. The missing data were then obtained and the reports corrected. Consequently such underreporting tends to be limited to smaller acreages. Studies of available check data indicate the shortages to be about 5 percent or less for farms reporting and somewhat lower for acres and quantity harvested.

Hay, excluding sorghum hay. There was also underreporting for hay since the introductory general question for section 14 on the regular form which reads "Was any hay or grass silage harvested from this place in 1969?" was misunderstood in some instances. Additionally, it has always been difficult to obtain correct reporting of acreage cut for hay involving, as it frequently does, two or more cuttings from the same acreage, hay cut and seed harvested from the same acreage, or a hay crop following some other crop harvested.

"Land in orchards" includes land in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees of all ages, including land on which the fruit crop failed. It does not include acres in abandoned plantings or data for places with less than 20 fruit or nut trees.

Table 9

"All other cropland." See note for table 1.

"All other land." See note for table 1.

"Farms by type." Explanation of this classification is shown in section 8.

Livestock ranches. See classification of farms in section 8.

"Market value of all agricultural products sold." See note for table 4.

Forest products sold. As in previous censuses, the data obtained in the 1969 census relate only to the forest products cut on farms. Commercial logging, timber operations, and forest products cut and sold from nonfarm places are excluded.

"Other agricultural chemicals." See note for table 5.

"Land in orchards." See note for table 8.

Table 10

"All other land." See note for table 1.

Table 13

"Market value of all agricultural products sold." See note for table 4.

"\$1 to \$2,499." In the processing, certain farms were identified whose operations would normally have a sale of farm products of \$2,500 or more, but had actual sales of less than \$2,500 in 1969. These farms are grouped with class 1-5 farms for the more detailed tabulations reported in tables 9 through 30, and are included in class 5 whenever figures are shown separately by class. They are included in the appropriate value groups having sales of less than \$2,500, in table 4.

Table 14

"Other agricultural chemicals." See note for table 5.

Hired farm labor and *Contract labor*. Some operators may not have clearly distinguished these two types of farm labor. Some reported expenditures for contract labor although the workers were not hired through a contractor, a crewleader, a cooperative, etc.

Number working less than 150 days. Some of these workers may have worked on more than one farm during the year, and therefore be reported by two or more operators. The number of workers reported here is likely to exceed the actual number of agricultural workers.

Table 16

"Chickens 4 months old or older" for 1964 and 1959. Note the age break at 4 months for these earlier censuses. This was changed to "3 months old or older" for the 1969 census.

Table 21

Grass silage. 1964 and 1959 figures include grass silage and hay cut green.

Soybeans for beans. See note for table 8.

All hay. See note for table 8.

"Land in orchards." See note for table 8.

Table 22

Forest products. See note for table 9.

Table 24

"All other land." See note for table 1.

Artificial drainage. Only total drained acres and number of farms having such acres are reported here. More detailed data will be available in volume II, chapter 14, Irrigation and Drainage, and in volume VI, Drainage.

Farms by type. Definitions for the various types of farms are given in section 8.

"\$1 to \$2,499." See note for table 13.

Forest products sold. See note for table 9.

Farm production expenses, total. See note for table 5.

Commercially mixed formula feeds. See note for table 5.

"Other agricultural chemicals." See note for table 5.

Hired farm labor and Contract labor. See note for table 14.

Number of persons working less than 150 days. See note for table 14.

All other production expenses. See note for table 5.

Soybeans for beans. See note for table 8.

"Land in orchards." See note for table 8.

Tables 25 to 30

See notes for table 24. The items in the left-hand margin (stub) of these tables are identical to the items in table 24, therefore the notes for this table apply to tables 25 through 30.

8. DEFINITIONS, EXPLANATIONS, AND CLASSIFICATION OF FARMS

Definitions and Explanations

For exact wording of the questions and instructions in the two census forms (A1 and A2) and in the Leaflet Guide which accompanied the A1 form, see the reproductions of these three items in appendix B.

An analysis of the questions asked in the 1969 census forms and of the data obtained will be given in volume II, General Report, Statistics by Subject, Census of Agriculture, 1969.

Definitions of items and terms which may require additional explanation as they are used in the census are presented here. In general, processing steps and procedures were designed to develop a report as fully comparable as possible with reports of earlier censuses. The more important exceptions are noted here.

Land in farms-The acreage designated in the tables as "Land in farms" consists primarily of "agricultural" land-that is, land used for crops or pasture or grazing. It also includes considerable areas of land not actually under cultivation nor used for pasture or grazing. For example, the acreage of woodland and wasteland owned or rented by farm operators as part of their agricultural operations is included as land in farms. Large acreages of land held for nonagricultural purposes were deleted in the processing steps if identified as such.

All grazing land except for open range and grazing land used under government permit was to be included as land in farms provided the place of which it was a part was a farm. Grazing land operated by grazing associations was to be reported in the name of the person chiefly responsible for conducting the business of the association. Land used rent free was to be reported as land rented from others. All land in Indian reservations used for growing crops or grazing livestock was to be included. Land in Indian reservations that was not reported by individual Indians and that was not rented to non-Indians was to be reported in the name of the cooperative group that used the land. In some instances, an entire Indian reservation was reported as one farm. Land area—The approximate total land area of States and counties as reported for 1969 represents the land area as determined by records and calculations updated to January 1, 1970. Differences between the land area in the 1969 and 1964 reports reflect changes in the number or size of reservoirs, lakes, streams, etc.

Land in two or more counties—With but few exceptions, each farm was tabulated as being in the operator's principal county, usually the county in which he reported all or the largest proportion of his total land.

Some of the exceptions developed from a survey of large-scale farms carried out prior to the mailing of the census forms. This study identified about 1,000 operations having more than one separately reportable farm unit. For these, individual census reports were obtained for each location. Reports received showing land in noncontiguous counties, for which the data would significantly affect the county totals, were separated into two or more reports which were assigned to the appropriate counties during office processing.

Value of land and buildings—Data on the value of land and buildings are presented as totals and in terms of average per farm and average per acre. The value of land and buildings reported for the census was supposed to represent market value—that is, the price for which the land and buildings would sell at the time of the census.

The value of land in buildings for farms for which the value was not completely reported was estimated during office processing by using the average value per acre of land and buildings for farms of approximately the same size having similar characteristics in the same area.

Type of organization—The 1969 census is the first in which information was collected on the type of organization under which the farm operated. This information was collected for class 1-5 farms in response to the demand for data more descriptive of current farm organizational structure than the traditional tenure of farm operator classification. See State table 24.

Farm managers—In 1969, the term "manager" was dropped as a tenure concept because it was no longer descriptive of a distinct type of farm management. Farms of the kind that would have qualified as managed according to the 1964 definition were distributed among full owners, part owners, and tenants according to the reported ownership of the land in the place. Tables in this report showing 1964 tenure data do not include managed farms in the 1964 figures used, and to this extent the 1964 data are not comparable to the 1969 data.

Farm operator—The term "farm operator" is used to designate 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, or a tenant, renter, or sharecropper. If he rents land to others or has land worked on shares by others, he is considered as operator only of the land which he retains for his own operation. In the case of a partnership, only one partner is counted as an operator. For census purposes the number of farm operators is the same as the number of farms.

For 1969, the respondent classified his own status by his answers to the acreage and ownership questions. Data on the characteristics of farm operators were obtained in section 38 of the report form where the operator was defined as the person in charge of the farm or ranch operation. In some cases the operator was not the individual named on the address label. Sometimes information was reported for a family member, a partner, or an operator more closely connected with the farm or ranch operations.

In the 1964 census, the farm operator was located and defined by the enumerator who generally obtained the report from the person in charge at the farm or ranch location.

Farms or farms reporting—Figures for farms or farms reporting for a specified item represent the number of farms for which the item was reported. For example, if there were 1,922 farms in a county and 465 had chickens 3 months old and over on hand December 31, 1969, the figure for farms or farms reporting for the item "Chickens 3 months old and over" would be 465.

Value of crops harvested—Data for value of crops harvested were developed by applying estimated unit values to the operators' reports of acres or quantity harvested. Generally, harvested units of production (bushels, bales, etc.) when reported, were multiplied by State estimates of price per unit. In some instances only acres harvested were reported, and these were multiplied by State estimates of value of production per acre. A combination of the two calculations was used when only acres harvested were reported by small farms, but units of production were supplied by larger farms. The State average production price and production value per acre figures used in these calculations, were supplied by the Statistical Reporting Service of the U.S. Department of Agriculture.

For vegetables and for nursery and greenhouse products, value of sales were obtained from farm operators and used in the calculation of total value of crops harvested.

Value of livestock on farms—Data for value of livestock on farms were obtained by multiplying the number of each class of livestock or poultry on hand by the State average price for 1969 as furnished by the U.S. Department of Agriculture. The 1964 and 1959 data were developed in similar fashion.

Value of farm products sold—Data for the value of farm products sold in 1969 were obtained by direct questioning in both the regular and short forms.

This is a departure from the method used in previous censuses, in which data on value of sales were obtained by enumeration for some products and by estimation for others. A discussion of the methods used in the 1964 census will be found on pages A7 to A9 of the appendix in each State report (volume I) of the 1964 census.

Total value of farm products sold—For 1969, this item excludes income which the farm operator and members of his family received from providing hunting, fishing, picnicking, camping, boarding and lodging, or other recreational services on his farm; for 1964, the total included such income.

The total value of farm products sold does not include government payments received by farm operators for participation in wheat, feed grains, and other government programs. As indicated by the data in State table 4, farm operators receive considerable farm-related income from sources other than the farm operated. Data in State table 27 indicate, for the various economic classes of farms, the number of farms on which the farm operator received income from specified sources other than the farm operated, and the amount of such income.

Total income the farm operator and members of his family received from sources other than the farm operated is not available from the 1969 Census of Agriculture. Tabulations are being made from the 1970 Census of Population to provide such information which may be useful in this regard in a separate report.

Differences in totals for some items—The totals given in one table for an item may differ slightly from the total given for the same item in another table because of the rounding of fractions for the several groups of farms, counties, etc.

Floating point system—In preparation for showing comparative figures from the 1964 Census of Agriculture, the 1964 published figures were keyed to magnetic tape using a floating point system. The system used provides for showing the first five digits of a number, the sixth is rounded to a five and all subsequent digits are shown as zero. Thus, the figure 17,256,423 would appear as 17,256,500. Differences from the 1964 published figures may appear in the least significant digits for any number having six or more digits as a result of using this procedure.

Classification of Farms

State table 9 presents detailed data for all farms classified by selected economic class groups; State tables 24 to 29 present detailed data for class 1-5 farms classified by tenure of operator, type of organization, age of operator, size (in acres), economic class, and type. In addition, the report contains a number of counts of farms according to various characteristics as well as frequency distribution of farms classified by size of each of the principal farm enterprises.

Farms by tenure of operator—As mentioned earlier in this section, the term "manager" as a tenure concept, is not used in the 1969 census. Information regarding managers was not obtained separately as the concept has become increasingly difficult to define and identify, especially with the change to enumeration by mail. The classifications by type of organization should provide more meaningful information. Detailed data by tenure of operator and type of organization are shown in State table 24.

The classifications of tenure as used in this census 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.

Farms by type of organization—This is the first census of agriculture in which the classification by type of organization has been used. The classifications used are—

- a. Individual or family farms, excluding partnership and corporation,
- b. Partnership,
- c. Corporation, including family owned-With 10 or fewer shareholders, With more than 10 shareholders,
- d. Other-includes estates, trusts, cooperatives.

The farms were classified according to the information provided in section 37 on the A1 form. Thus there may be data shown for corporate farms in States where there are regulations affecting the extent to which corporations are permitted to engage in farming operations.

Many of the reports which showed "other" as the type of organization are institutional farms, Indian reservations, or other operations classified as "abnormal" and consequently are not included in the tabulations for class 1-5 farms.

Farms by size—All farms were classified by size according to the total land area established for each farm. Detailed data by size of farm are presented for class 1-5 farms in State table 26. The same classification was used for all States. According to definition, a farm is essentially an operating unit, not an ownership tract. All land operated by one person or partnership represents one farm. In the case of a landlord who has assigned land to other tenants, the land assigned to each tenant is considered a separate farm even though the landlord may consider the entire landholding as one unit in respect to supervision, equipment, rotation practice, purchase of supplies, or sale of products.

Farms by economic class—Data from the 1969 census are reported for "All farms" and for "Farms with sales of \$2,500 and over (economic classes 1 to 5)."

In the 1964 and earlier censuses a classification called "commercial farms" was used which included the first six economic classes; this grouping is not comparable to the "class 1-5" grouping used in the 1969 report.

To help bridge this gap, State table 9 shows data for the "class 1-6" group, in addition to data for all farms, class 6 farms, part time, part retirement, and abnormal farms.

The economic classes used in this report are defined as follows:

Class 1 \$40,000 or more of farm product sales

Class 1a \$100,000 or more of farm product sales

- Class 1b \$40,000 to \$99,999 of farm product sales
- Class 2 \$20,000 to \$39,999 of farm product sales
- Class 3 \$10,000 to \$19,999 of farm product sales
- Class 4 \$5,000 to \$9,999 of farm product sales
- Class 5 \$2,500 to \$4,999 of farm product sales or having a value of products sold of less than \$2,500 provided they had the acreage or livestock operations which normally would have had sales in excess of \$2,500. These would include new farm operations, farms having crop failure, and farms with large inventories and small 1969 sales. For a count of these farms, see county table 13 or State table 22.
- 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.
- 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.
- Part retirement. . \$50 to \$2,499 of farm product sales and a farm operator who is 65 years old or over.
- Abnormal Includes institutional farms, experimental and research farms, and Indian reservations. Institutional farms include those operated by hospitals, penitentiaries, schools, grazing associations, government agencies, etc.

Large-scale farms—Farms with a value of farm products sold of \$100,000 or more (class 1a) have been designated as large-scale farms. Data for these farms classified by type of farm are presented in State table 30.

Change in the classification of farms by economic classes—The above definitions of economic classes apply to the 1964 census as well as to 1969. There was a change from 1959 to 1964 which affected only class 6 and part-time farms. Discussion of this change can be found on page A14 of appendix A of volume I of the 1964 census. In 1959, a farm was classified as class 6 if it had a value of sales of \$50 to \$2,499, the operator was under 65 years of age and did not work off the farm 100 days or more in the census year, and the income from sources other than the farm operated did not exceed the value of farm products sold. Other conditions being the same, if the income from other sources exceeded the value of farm products sold, the farm was classified as part-time.

Farms by type—The type of farm represents a description of the major source of income from farm sales. To be classified as a particular type, a farm must have sales of a particular product or group of products amounting in value to 50 percent or more of the total value of all farm products sold during the year.

The count of farms by type is shown in State table 9, for all farms, for several groups of farms with sales of less than \$2,500, and for abnormal farms. It is shown by county for class 1-5 farms in chapter 3 of section 1 of this volume.

Type-of-farm breakdowns are reported in detail for class 1-5 farms in State tables 28 and 29.

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

Cash-grain—Corn, sorghums, small grains, soybeans for beans, cowpeas for peas, dry field and seed beans and peas.

Tobacco-Tobacco.

Cotton-Cotton and cottonseed.

Other field crop-Peanuts, potatoes (Irish and sweet), sugarcane for sugar or sirup, sweet sorghums for sirup, broomcorn, popcorn, sugar beets, mint, hops, sugar beet seed, and pineapples.

Vegetable-Vegetables.

Fruit and nut-Berries, other small fruits, tree fruits, grapes, nuts, and coffee.

Poultry-Chickens, chicken eggs, turkeys, and other poultry products.

Dairy-Dairy products-milk, cream, etc. The criterion of 50 percent of total sales was modified in the case of dairy farms. A farm having value of sales of dairy products amounting to less than 50 percent of the total value of farm products sold was classified as a dairy farm, if-

- a. Dairy products sold accounted for more than 30 percent of the total value of products sold, and
- b. Milk cows represented 50 percent or more of total cows, and

c. The value of dairy products sold plus the value of cattle and calves sold amounted to 50 percent or more of the total value of all farm products sold.

Livestock other than dairy and poultry—Cattle, calves, hogs, sheep, goats, wool, and mohair except for farms in the 17 western States, Louisiana, Florida, Hawaii, and Alaska that qualified as livestock ranches.

Livestock ranches—Farms in the 17 western States, Louisiana, Florida, Hawaii, and Alaska were classified as livestock ranches if the sales of livestock, wool, and mohair represented 50 percent or more of the total value of farm products sold, and if pastureland or grazing land amounted to 100 acres or more and was 10 times or more the acreage of cropland harvested.

General—Field seed crops, hay, grass, and silage. A farm was also classified as general if it had cash income from three or more sources and did not meet the criteria for any other type.

Miscellaneous-Nursery and greenhouse products, forest products, mules, horses, colts, ponies, fur-bearing animals, bees, honey, goat milk, and farms with no value of farm products sold. Also all institutional farms and Indian reservations.

Stability in the classification of farms by type of farm—The type of farm classification for the 1964 census was the same as in 1969. Only one minor change was made from 1959 to 1964. In the 1959 listing of miscellaneous farms, fur-bearing animals, bees, honey, goat milk, and farms with no value of farm products sold were not listed as a part of this group.

Detailed comparative data for farms classified by type of farm for 1959 may be obtained from State table 18 of volume I of the reports for the 1959 Census of Agriculture.

9. DATA BASED ON REPORTS FOR A SAMPLE OF FARMS

Published data for all farms combine the data for the 50-percent sample of small farms, weighted by "2," with the data for larger farms. Small farms are generally those with a total value of farm products sold in the year of less than \$2,500. In addition to economic class 6, they include those farms classified as part time and part retirement.

Farms orginally defined as "small" by the mailing list sources, but reporting a total value of farm products sold in 1969 of \$10,000 and over, were tabulated with a weight of "1."

For Illinois, about 12 percent of the total farms were subjected to sampling. By final census classification, about 53 percent of the small farms, as defined above, were subjected to sampling.

For economic classes 4 and 5, the percentages subject to sampling were 3 and 9 percent, respectively. The remaining farms in these economic classes as well as all farms in economic classes 1, 2, and 3 were selected with certainty.

The proportion of total value of farm products sold from farms which were represented in the census by the sample was less than 1 percent.

All of the published data are subject to sampling and/or nonsampling error. Sampling errors, in general, do not significantly affect totals since a very large proportion of the data were reported for economic classes 1 to 3 farms, for which there is no sampling error.

Nonsampling errors, resulting from incomplete coverage, response errors, processing errors, and other sources are discussed in section 10.

The sampling error for any published estimate can be approximated through the use of tables A, B, and C.

Table A indicates a "level" of sampling error for the number of farms reporting an item, and for magnitude items in broad categories for State and county tables. This table is used to determine sampling errors for State estimates.

Table B classifies each county within the State as having "high," "medium," or "low" sampling errors, for the county as a whole and for small farms within the county. This table must be consulted first to determine sampling errors for county estimates.

Table C presents the relative standard errors for estimated totals by number of farms reporting the item, according to the levels determined from tables A and B.

Table C shows percentage limits such that the chances are 68 out of 100 that the difference between an estimate based wholly or in part on a sample of farms and the figure that would have been obtained if the information had been collected and tabulated for all farms would be no more than the percentage specified. The chances are about 99 out of 100 that the difference would be less than 2 1/2 times the percentage given in table C. The percentage given in table C takes into account the fact that data for the items listed were collected for all farms with a value of farm products sold of \$10,000 or more. The use of the tables may be illustrated by the following example: In a hypothetical State, 1,900 farms reported 5,068,000 bushels of corn harvested for grain on 62,100 acres. Table A shows that, for the State, measures for cropland harvested and for bushels of corn harvested have sampling reliability at level "1."

Since table C for our hypothetical State doesn't show a value for 1,900 farms reporting, we use straight-line interpolation to obtain a relative standard error of 7/10 percent. The standard error of the estimate of 5,068,000 bushels is then about 36,000 bushels. For the number of acres of corn harvested, the standard error is about 435 acres for an estimate of 62,100 acres. The number of farms reporting corn harvested is also a sample estimate, and its level from table A ("Farms having the item") is level "2," so that the standard error on an estimate of 1,900 farms is about 9/10 percent (using the line for 2,000 farms) or 17 farms.

At the 99-percent confidence level, the estimate of 5,068,000 bushels of corn harvested for grain may have an error of as much as 90,000 bushels (2 1/2 times 36,000) which means that the production determined in a complete census would most likely be between 4,978,000 and 5,158,000 bushels. For the number of farms reporting corn harvested, the 99-percent level corresponds to an estimate with a standard error of 42 farms, so that the number of farms actually having corn harvested is probably between 1,858 and 1,942.

	_		State	e tables	S					Cour	ity tables		
					Econom	ic class	_	T	otal farms			Small farms	
	Total farms	Small farms	4	5	6	Part time	Part retire- ment	High	Medium	Low	High	Medium	Low
Farms having the itemall farms	1	4	1	1	4	4	4	3	2	1	4	3	-
Land in farmsacres	1	2	1	2	5	6	5	4	3	2	5	4	-
Value of land and buildings	1	2	1	2	5	6	5	4	3	2	5	-4	-
Owned and rented land	1	3	1	2	6	6	6	5	4	3	6	5	-
Croplandacres	1	2	1	2	6	5	5	4	3	2	5	-4	
Harvested cropland	1	2	1	2	5	5	5	4	3	2	5	-4	-
Woodlandacres	1	3	1	2	5	6	6	5	4	3	6	5	-
Irrigrated landacres	1	2	1	1	5	5	5	4	3	2	5	4	-
Total value of products solddollars	1	2	1	1	5	5	5	4	3	2	5	4	_
Cropsdollars	1	2	1	1	5	5	5	5	4	3	5	-4	-
Forest productsdollars	1	3	1	2	6	6	5	5	4	3	6	5	-
Livestock productsdollars	1	2	1	2	5	5	5	5	4	3	5	4	-
Farm production expensesdollars	1	3	1	3	5	5	5	5	4	3	5	4	_
Commerical feeddollars	1	2	1	3	6	6	5	5	4	3	6	5	-
Commercial fertilizerdollars	1	2	1	2	5	5	5	5	4	3	5	-1	-
Fueldollars	1	2	1	3	5	5	5	5	4	3	5	4	-
Hired labordollars	1	3	1	3	6	G	6	5	4	3	6	5	-
Machinery and equipment	1	4	1	1	4	4	4	3	2	1	-1	3	-
Estimated market valuedollars	1	3	1	3	6	6	G	5	4	3	G	5	-
Livestock	1	2	1	2	5	5	5	5	4	3	5	4	_
Cattle and calves	1	2	1	2	5	5	5	5	4	3	5	4	-
llogs and pigsnumber	1	2	1	2	5	5	5	4	3	2	5	-1	_
Poultrynumber	1	3	1	2	5	6	5	5	4	3	6	5	-
Crops harvested	1	2	1	2.	5	5	5	4	3	2	5	4	-
Corn for Grainbushels	1	2	1	2	5	5	5	4	3	2	5	-1	-
Soybeansbushels	1	2	1	2	5	5	5	4	3	2	5	-1	_
Wheatbushels	1	2	1	2	5	5	5	4	3	2	5	4	-

Table A. Level of Sampling Reliability of State and County Totals for Selected Items

Table B. Classification of Counties Into Sampling-Error Category

	All farms		1
High	Medium	Low	
Hardin	Alexander	Adams	Adams
Jefferson Johnson	Calhoun Clark	Bond	Alexander
Massac	Cook	Boone Brown	Bond Boone
Perry	Crawford	Bureau	Brown
Pope	Edwards	Carroll	Calhoun
Union Williamson	Franklin Hamilton	Cass Champaign	Carroll Cass
	Jackson	Christian	Champaign
	Jersey	Clay	Christian
	Lake Lawrence	Clinton Coles	Clark
	Marion	Cumberland	Clay Clinton
	Peoria	De Kalb	Coles
	Pulaski	De Witt	Cook
	Rock Island	Douglas	Crawford
	Saline Wabash	Du Page Edgar	Cumberland De Witt
	Wayne	Effingham	Douglas
	White	Fayette	Du Page
		Ford	Edgar
		Fulton Gallatin	Edwards Effingham
		Greene	Fayette
		Grundy	Franklin
		Hancock	Fulton
		Henderson	Greene
		Henry Iroquois	Hamilton Hancock
		Jasper	Hardin
		Jo Daviess	Henderson
		Kane Kankakee	Henry Iroquois
		Kendall	Jackson
		Knox	Jasper
		La Salle	Jefferson
		Lee Livingston	Jersey Jo Daviess
		Logan	Johnson
		McDonough	Kane
		McHenry McLean	Kankakee Kendall
		Macon	Knox
		Macoupin	
		Madison	
		Marshall	
		Mason Menard	
		Mercer	
		Monroe	
		Montgomery	
		Morgan Moultrie	5
		Ogle	
		Piatt	
		Pike	
		Putnam Randolph	
		Richland	
		St. Clair	
		Sangamon Schuyler	
		Scott	
		Shelby Stark	
		Stephenson Tazewell	
			1
		Vermilion	
		Vermilion Warren	
		Vermilion Warren Washington	
·		Vermilion Warren	
		Vermilion Warren Washington Whiteside	

,

	Small farms	
Hi	gh	Medium
ns	Lawrence	Bureau
xander	Livingston	De Kalb
d	Logan	Ford
ne	McDonough	Gallatin
wn	McLean	Grundy
		Lake
houn	Macon	La Salle
roll	Macoupin	Lee
S	Madison	McHenry
mpaign istisn	Marion	Ogle
istian	Marshall	Putnam Saline
rk	Mason	Schuyler
y	Massac	Stark
nton	Menard	Stephenson
es	Mercer	Washington
k	Monroe	0 = 0 1 = 1 B + 0 =
wford	Montgomery	
berland	Morgan	
Witt	Moultrie	
glas	Peoria	
Page	Perry	
ar	Piatt	
ards	Pike	
ingham	Pope	
ette	Pulaski	
nklin	Randolph	
4	Distant I and	
ton	Richland	
ene ilton	Rock Island St. Clair	
cock	Sangamon	
din	Scott	
derson	Shelby	
ry .	Tazewell	
quois	Union	
kson	Vermilion	
per	Wabash	
ferson	Warren	
sey	Wayne	
Daviess	White	
nson	Whiteside	
e	Will	
40100	Williamson	
kakee dall	Williamson Winnebago	
x	Woodford	
	•	

				Relative s	tandard error (perc	ent)			
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
Number of farms for item:									
10 farms	10	13	18	24	32	43	56	75	100
20 farms	7.1	9.0	13	17	22	30	40	53	71
50 farms	4.5	6.0	8.0	11	14	19	25	33	45
100 farms	3.2	4.2	5.6	7.5	10	13	18	24	32
200 farms	2.2	3.0	4.0	5.3	7.1	9.0	13	17	22
500 farms	1.4	1.8	2.6	3.4	4.5	6.0	8.0	11	14
1,000 farms	1.0	1.3	1.8	2.4	3.2	4.3	5,6	7.5	10
2,000 farms	0.7	0.9	1.3	1.7	2.2	3.0	4.0	5.3	7.1
5,000 farms	0.5	0,6	0.8	1.1	1.4	1.9	2.5	3.3	4.5
10,000 farms	0.3	0.4	0.6	0.8	1.0	1.3	1.8	2.4	3.2
20,000 farms	0.2	0,3	0.4	0.5	0.7	0.9	1.3	1.7	2.2
50,000 farms	0.1	0.2	0.3	0.3	0.5	0.6	0.8	1.1	1.4

Table C. Sampling Reliability Based on Number of Farms in Sample and Level of Reliability

10. NONSAMPLING ERRORS IN THE REPORT

Errors from causes other than those related to sampling are present in any census or survey. These can arise from a variety of reasons, such as inability to obtain any response from some farmers on the mailing list, incorrect reporting, processing errors, etc.

One source of nonsampling error is present in the failure of some respondents to provide all the information requested. Special studies using a small national sample indicate that, on questions such as total value of farm products sold, the nonresponse rate may be of the order of 12 percent. It is usually possible to develop a figure for value of sales based on other entries such as production of crops, livestock sold, etc., but the figure so produced may not be as reliable as a direct report from the farmer.

There is considerable undercoverage of small farms, due to the fact that a large number of these were either not included or not identified as associated with agricultural operations in any of the administrative records and consequently were not on the final mailing list. On the other hand, some farms were on the mailing list more than once, and while duplication was eliminated to a very large extent in the processing, some duplication remains, particularly for new farms or farms whose ownership status changed during the period when the list was being developed.

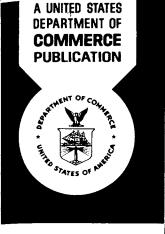
The total error of the census is a combination of the sampling and nonsampling errors. When the sampling errors are small, as in the case of economic classes 1 to 3 which have no sampling error, or for the whole State, for most counties, and for most magnitude items, the nonsampling error is usually the larger part of the total error.

11. AVAILABILITY OF DATA FOR AREAS OTHER THAN COUNTIES AND STATES

This report presents data only for the State and for counties within the State.

Summary data for the United States, regions, divisions, and States will be shown in volume II.

Unpublished tabulations of some of the data in State tables 24 through 29 can be obtained for State parts of 99 agricultural subregions to which the counties in the conterminous States have been allocated. A charge will be made for the cost of review for consistency and disclosure of data for individual farms. Information regarding the availability of unpublished data may be obtained by writing to the Chief, Agriculture Division, Bureau of the Census, Washington, D.C. 20233.



1969 Census of Agriculture

U.S. DEPARTMENT OF COMMERCE/Bureau of the Census

COUNTY REPORT TEXT

PLEASE KEEP THIS SHEET. It provides background information, definitions, and explanations including those for the "see text" notes in the tables.

Individual County Reports

Separate eight-page reports are published for all counties in the United States with 10 farms or more. Data are reported for the year 1969, with inventory (on place) figures as of December 31, 1969. Comparable figures from the 1964 census are also reported.

Information covering all farms in the county is presented in the first eight tables.

Information covering farms with sales of farm products in 1969 amounting to \$2,500 or more (economic classes 1 to 5) is reported in substantially greater detail in tables 9 through 26.

The same format is used for every county and State; the crop and livestock items reported in these tables are those which are relatively important in a majority of the counties in the United States.

County Data for Miscellaneous Crop and Livestock Items

Data for additional crop and livestock items, not common to a large number of counties, are reported in a separate set of county tables for each State.

State Reports (Volume I)

State totals of the data in the county reports are published for each State.

In addition, data for each State are shown in a separate report consisting of one book or more. Chapter 1 of section 1 presents findings at the State level in much more detail than is published at the county level.

County data appear in the State reports as follows:

- A limited amount of county data are reported in summary form in chapter 2 of section 1. These tables list the counties in alphabetical order and report selected items for each.
- The county data for miscellaneous crop and 'livestock items and the number of farms by "type of farm" for all class 1-5 farms are reported in chapter 3 of section 1.
- A complete set of county reports makes up section 2.

How the 1969 Census of Agriculture Was Taken

The Mailing List—During the last week of December 1969, the 1969 Census of Agriculture forms were mailed to a list representing, as nearly as possible, all persons and firms associated with the direction of agricultural operations in 1969. The list included land owners, tenants, renters, sharecroppers, and hired managers, but excluded hired farm laborers.

The mailing list was assembled from various administrative records including names and addresses from the 1964 Census of Agriculture, the Internal Revenue Service, the Social Security Administration, and the Agricultural Stabilization and Conservation Service.

The final list was constructed by merging and unduplicating the various source lists. Additional duplicates not identified in this process were removed during data processing. Coverage is more fully discussed in the text for volume I.

The Census Forms and Their Distribution—A standard 12-page form was sent to all operators expected to have 1969 sales of all agricultural products of \$2,500 and over.

A four-page form went to a 50 percent sample of the operators whose 1969 sales were expected to total less than \$2,500. Data in the "All Farms" tables are, consequently, subject to a small sampling variation. Tables of sampling variation will be included in volume 1.

Followup Procedures—A series of followup letters brought response to well over the 90 percent level by July 1, 1970. At this point, field followup enumeration was conducted in 370 counties having low response rates to complete the collection of data for those counties.

To insure receiving reports from all large operations, telephone and field followup was started early in March. This work was continued until reports were obtained.

Standard statistical procedures were used, when possible, to deal with inconsistencies or inadequate information in filled-out forms, including any short forms reporting sales of \$2,500 or more. When these methods were not adequate, letters and phone calls were used to secure the needed information.

A more detailed description of procedures and definitions will appear in volume I.

For sale by the Bureau of the Census, Washington, D.C. 20233 or any U.S. Department of Commerce field office. Price, including 8-page county report, 25 cents.

Comparability of Data

This is the first census of agriculture conducted primarily by mail. The mailings were made just before January 1, 1970, and the information collected was intended to cover the full year, 1969. The data collection phase lasted through September 1970.

Prior censuses were taken by enumerators; the field work for 1964 was largely completed in November and December of the census year.

These two differences (use of mail and timing) affect the comparability of data from the 1969 census with data from earlier censuses. In a number of tables, 1969 inventory figures are shown; respondents were asked to report these as of December 31, 1969. Where similar figures from the 1964 census are shown, they are as of the time of enumeration.

"Farms," defined in the 1969 census exactly as in 1964, are places on which agricultural operations were conducted at any time during the census year under the control of an individual management. Places of less than 10 acres were counted as farms if the sales of agricultural products for the year amounted, or normally would amount, to at least \$250. Places of 10 or more acres were counted as farms if the sales of agricultural products for the year amounted, or normally would amount, to at least \$50.

Farms in the top five economic classes (separately reported in tables 9 through 26) are those for which the sales of farm products in 1969 amounted, or normally would amount, to at least \$2,500. Abnormal farms are excluded.

Abbreviations and Symbols

The following abbreviations and symbols may occur in the tables.

- X Not applicable.
- NA Not available.
- Z Reported in small fractions.
- D Data withheld to avoid disclosure of information for individual farms.

The "See Text" References in the Tables

Table 1. "All other cropland" includes cropland used for soil-improvement crops, crop failure, cultivated summer fallow, and idle cropland.

"All other land" includes pastureland other than cropland and woodland pasture, rangeland, and land in house lots, barn lots, ponds, roads, wasteland, etc.

Table 3 for Southern States. For 1964, the data reported in the columns headed "Negro operated farms" include all nonwhite operators.

Table 4. "Class 6 farms" have a value of farm products sold of \$50 to \$2,499 and a farm operator under 65 years of age who did not work off the farm 100 days or more in the census year.

"Part-time farms" have a value of farm products sold of \$50 to \$2,499 and a farm operator under 65 years of age who worked off the farm 100 days or more in the census year.

"Part-retirement farms" have a value of farm products sold of \$50 to \$2,499 and an operator 65 years old or over.

"Abnormal farms" include institutional farms, experimental and research farms, and Indian reservations. Institutional farms include those operated by hospitals, penitentiaries, schools, grazing associations, government agencies, etc.

"Market value of all agricultural products sold" represents the market value, before taxes and expenses, of all agricultural products sold in the census year, including livestock and poultry and their products, crops including nursery products and hay, forest products, and all miscellaneous farm products. The figures include landlord's and contractor's shares.

Table 5. "Farm production expenses, total" for 1964 is the sum of specified expenditures and does not include those listed as "NA" in the table.

"Other agricultural chemicals" includes all herbicides, fungicides, other pesticides, growth-control chemicals, and defoliants used for crops, and insecticides for livestock and poultry in the census year, including any of these materials paid for by landlords, contractors, and custom operators.

 Table 7. 1964 figures on sales of broilers are based on a question

 which had no specification regarding age.

Table 8. "Land in orchards" includes land in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees of all ages, including land on which the fruit crop failed. It does not include acres in abandoned plantings or data for places with less than 20 fruit or nut trees.

Table 9. "All other land" includes house lots, barn lots, ponds, roads, wasteland, etc.

 Table 13. "Market value of all agricultural products sold." See note for table 4.

"\$1 to \$2,499." In the processing, certain farms were identified whose operations would normally have a sale of farm products of \$2,500 or more, but had actual sales of less than \$2,500 in 1969. These farms are grouped with class 1-5 farms for the more detailed tabulations reported in tables 9 through 26, and are included in class 5 whenever figures are shown separately by class. They are included in the appropriate value groups having sales of less than \$2,500, in table 4.

Table 14. "Farm production expenses, total" and "Other agricultural chemicals." See notes for table 5.

In 1964, contract labor was included with machine hire and customwork.

Table 16. See note for table 7.

Table 20. "Land in orchards." See note for table 8.

Table 24. "Land in orchards." See note for table 8.

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CENSUS USE ONLY 010	011	012		013	T		T		ing your re		-
Section 1 - ACREAGE in 1969, (1) there was any ch	OWNERSHIP	and LA	ND VALU	E				1		Your estin	nate of the
(1) there was any ch	vange in acrea	ge opera	tea auring	1969, se	e Leaji	et, section	i, part A.)	1	Acres	current market acres and the b	value of the
•						,				CENTS NOT Dollor	
	<u>_</u>						Nor		4	015	<u>_</u>
1. Land owned					-		···· [010	6	017 017	1
2. Land rented or leased from Eederal, State, and railrow	ad land; and	land us	ed rent fr	ree. (Do	not in	clude	Nor				1
land used on a pet-head b 3. Land rented or leased to							Nor	010	3	019	!
on shares by others							···· [- 020	<u>.</u>	s	
4. Total acres - Please	ADD acres	owned (item 1) to	acres r	ented (item 2), th	an 🗳			These are t	
SUBTRACT acres ren	ited to others	(item)	3), and en	ter your	answe	r in this sp	ace 7			for this ce	nsus report
5. How many acres in THIS, programs such as those for								10 .02	·	Acres	
6. Were there any real estate	e mortgages,	deeds o	of trust, o	r land p	urchase	contracts	· ,	- 02:			
on any part of the land an								re 023		2 🛄 No	
T. HOW MOON MARCONE TROTAL	drugsed a					those	Nor			Deserves	
7. How many persons rented working land on shares.						those	E	-	•	Persons	
working land on shares. 8. How many acres of the lan	nd you rente	d or lea:	sed from	others (i		did you	Nor 			Persons	
working land on shares,	nd you rented ners? - Includ	d or lea de land	sed from a rented or	others (i leased l		did you	···· E		1 1	Acres	
8. How many acres of the lan subrent or sublease to oth uas worked on shares by	nd you rented ters? - Inclui others.	d or lea: le land	sed from rented or	others (i leased l		did you which	···· E		••••••••••••••••••••••••••••••••••••••	_	
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	The purpose of this section is to distribute all acres in this place among items 1 through 4.		
	Please read Leaflet, section 3, before answering item 1u.		· · · · · · · · · · · · · · · · · · ·
`	1. Cropland	041	
eminder: the same land	 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 		Acr
as used for two more purposes,	b. Cropland used only for pasture or grazing	042	Acr
port that land	c. Cropland used for cover crops, legumes, and soll-improvement grasses,	043	
nly once – in he first item	but not harvested and not pastured		Acr
hat applies.	d. Cropland on which all crops failed (Exception: Do not report here land in orohurds and vineyards on which the crop failed. Such acreage is to be reported in item [a:)	044	
	und cinegicies on which the crop junch. Such acreage is to be reported in them 10.7	045	Acr
	e. Cropland in cultivated summer fallow	1-0-	Acr
		046	
	f. Cropland idle ,		Acre
	2. Woodland - Include here all woodlots and limber tracts and cutover and deforested land with young timber growth.	047	
	a. Woodland pastured	048	Acr
lease check:	b. Woodland not pastured	1	Acr
f the acres	3. Other pastureland and rangeland - Include here any pasture other than cropland and woodland pasture .		
or item 5 lo not agree	 Bastureland and rangeland improved by liming, fertilizing, seeding, irrigating draining, or controlling weeds and brush 	049	Acr
vith the acres shown in		050	
ection 1, item 4,	b. Pastureland and rangeland not improved		Acr
lease read	4. All other land - include here any land not reported above.	051	
Leaflet, section 3, and check your	a. Land in house lots, bain lots, ponds, roads, wasteland, etc.		Acr
entries.		052	
	5. Total acres in this place – Please add the acres in items 1 through 4 and enter the total in this space (This total should be the same as the total in section 1, item 4.)		Toto
Section 4 - Has any	LAND in this place been IRRIGATED at any time during the 5 years since January 1, 1965?		
			.,
1 Yes - Co	mplete this section		
	Land irrigated in 1969 None	054	
2 No	1. How many acres of land in this place were irrigated at any time in 1969?	j.	
	l (filona i) ao fa Costion d	1	Acr
Go to Section 5	2. How many acres of -	055	

If "None," go to Section 5		Acres
2. How many acres of -	055	
a. Cropland harvested (reported in section 3, item 1a) were irrigated?		Acres
	056	
b. Cropland used only for pasture or grazing (reported in section 3, item 1b) were irrigated?		Acres
	057	
c. Other pastureland (reported in section 3, item 3a) were irrigated?		Acres
	058	
d. Any other lands were irrigated? - Specify land use		Acres
dethod of irrigation in 1969		
B. How many acres were inrigated in 1969 by each of the following methods - (1) more than one method was used on the same field the total of these acres will be greater than item 1 above.)	059	
a. Sprinklers?		Acres
	060	
b. Furrows or ditches?		Acres
	061	
c. Flooding?	· .	Acres
	062	·
d. Subirrigation? (Water applied below ground surface, or artificial control of ground water)		Acres
Source of water in 1969	1	
4. What percent of irrigation water used in 1969 was - (Please be sure the total percentages reported	063	
in questions a through c equal 100%. For other ways of estimating quantity of water, see Leaflet, section 4.		
a. From a well or spring on this place?	E	ercen
	064	di c uni
b. From a surface supply not controlled by a water supply organization (stream, drainage ditch, lake, pond, or reservoir on or adjacent to this place)?	c	ercen
c. From water suppliers? (Mutual, private, cooperative or neighborhood ditches, irrigation	065	ercen
district, commercial company, municipal or community water system, or another farm)		ercen
Give name and address of each water supplier. (Use ''Remarks,'' page 12 if more space is needed.)		
1. 2.		
· · · · · · · · · · · · · · · · · · ·		
Estimated quantity of water used in 1969		

Estimated quantity of water used in 1969	· .	
5. Please estimate the quantity of water used for irrigation in 1969 -	1 5	Acre-feet Tenths
(Report in the unit or units of measure most convenient for you. See Leaflet, section 4.)	066	
a. Acre-feet (One acre-foot covers one acre, one foot deep)	ľ	10
	067	
b. Gallons (Pumping capacity per minute X 60 minutes X hours operated in season)		Gallons
c. If acre-feet or pallons cannot be estimated in a or b above, give both inches applied and acres covered	068	
(1) Depth applied	4	Inches
	069	
(2) Area covered	· [Acrea
	(

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Z No - Go to find lude the same acreage as datained by more than one systems but do not include the same acreage as datained by more than one system. Include the same acreage as datained by more than one system. Include the same acreage as datained by more than one system. Include the same acreage as datained by more than one system. Include the same acreage as datained by more than one system. Include the same acreage as datained by more than one system. Include the same acreage as datained by more than one system. Include the system which datas into the system of an organized datainage district or other public agency. OTH 2. A farm system which datas into the system of an organized district or other public agency. OTH OTH 3. A system thich datas into the system of an organized district or other public agency. OTH OTH Section 5 - Was any commercial FERTILIZER applied an PASTURELAND in 1969? OTH OTH OTH (Do not include land from which crops users harcested or hay cut.) In complete this section In acres there are accessed on any cut.) In acres there are accessed and any cut.) In acres there are accessed and any cut.) Section 7 1. Coopland used only for pasture (reported in section 3, item 30 in certification. In acres there are accessed and any cut.) In acres there are accessed and any cut.) Section 7 1. Grain or ow crops farmed on the contour. In acres there are accessed and any cut.) In acres there are accessed and any cut.) Section 8 2. Stripcropping	a did not harvest any of the next section. Please report				
2 No - 0 0 0 0 0 3 for system which is independent of an organized drainage district or other public agency	since January 1, 1969 072 074 075 076 076 076 076 076 076 076 076 077 10 082 10 082 10 082 10 083 Acres 084 Acres 085 Acres 085 Acres 085 Acres				
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No - Go to	1				
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Acres Dry Acres 095 095 095 095	weight 094				
4. Commercial fertilizer used on field corn					
4. Commercial fertilizer used on field com	ertilizer used Liquid or gas				
4. Commercial fertilizer used on field com	enths Whole tons Tenth				
Section 0 Were any SADCHING harvested for any number from this place in 1000 (manual both and an an an and an an and an	10 1				
Do not report sorghum-sudan crosses in this section.)					
Yes - Complete this section	1				
Acres Quantity harvested Quantity harvestee O98 099	Acres Irrigated				
Go to Section 10 1. Sorghums for grain or seed - Report quantity harvested in one unit only - either bushels	iels				
or pounds	104				
2. Sorghums for sliage gree	n weight				
3. Sorghums cut for dry forage or haydry 4. Sorghums hogged or grazed (Do not include here	s, 107				
acres already reported in items 1, 2, or 3.)	107				
Acres Dru	s, 107 weight				
tertilized Whale tons	s, 107 weight 109 Fertilizer used				
5. Commercial fertilizer used on sorghums	s, 107 weight 109				

[]]Yes – Col	nplete this section	1 i			1 2.	-	re Set	· · · ·	
						Commercia		er used Liq	vid
Go to Section 11		Acres harvested	Quantity horvested	Acres	Acres fertilized	Whole tons	Y Tenths	or g Whole tons	Ten
	1. Winter wheat	113 1	Büshels	4	5	6	10	7	1
	2. Spring wheat other than durum	114 1	Bushels	4	5	6	· 10	7	1
	3. Durum wheat	115 1	Bushals	4	5	6	10	7	- L I
	4. Oats for grain	116 1	Bushels	4	5	6	1 10	7	1 1
	5. Barley for grain	117 1	Bushels	4	5	6	10	7	1 1
	6. Rye ^s for grain	118 1	Bushels	4	5	6	10	7	1
	7. Mixed grains	119 1	Bushels	4	5	6	10	7	1 1
	8. Flaxseed	120 1	Bushels	4	5	6	10	7	+
	9. Buckwheat	121 1	Bushets	4	5	6	10	7	1
	* 10. Proso millet	122 1	Bushels	4	5	6	10	7	1
	11. Emmer and spelt	123 1	Byshels	4	5	6	10	7.	!
		124 1	100-/b. bags	4	5	6	1	7	.i]
	12. Rice - Report quantity harvested in one unit only - either 100-lb. bags, bushels, or barrels	2	or Bushels				10		
		125 1	Barrels			-	1		1
	13. Safflower	126 1	Pounds		5	6	10	/. 	
	14. Mustard seed		Pounds	4	, 5	6	10	r.	1
No -		Acres	Quantity	Acres	Acres	D	y.	Liquid or gas	
Go to Section 12		130 1		2	ferti lized	Whole tens	L Tenths	Whole tons 5	Ten
	1. Soybeans for beans	151 1	Bushels	2	3.	4	10	5	
	2. Peanuts for nuts	192 1	Pounds 100-lb.	2	3	4	10	5	1
	3. Dry field and seed beans	133 1	100-16.	2	3	4	10	5	
	4. Dry lima beans	194 1	bags	2	3	4	10	5	
	5. Dry field and seed peas		Pounds	1.		4	10	5	
	1.	135 1	Pounds	2	19			6	1 1
	6. Cowpeas for dry peas	136 1 136 1	Pounos Buche is	2	3	4	10	5	
	 Cowpeas for dry peas Velvetbeans for beans 			2	3	4	10	\$ 5	
	7. Velvetbeans for beans 8. Mungbeans for beans	136 1 137 1	Bushels Bushels Pounds	2	3	4	- /	5	
	7. Velvetbeans for beans 8. Mungbeans for beans ny COTTON, SUGAR BEETS, POP	136 1 137 1	Bushels Bushels Pounds	2	s n this place i	4 n 1969?	- 10 - 10	5	-
	7. Velvetbeans for beans 8. Mungbeans for beans	136 1 137 1	Bushets Bushets Pounds RN, or MINT FOR OIL h	2	s n this place i	4 n 1969? Commercia	- 10 - 10		
Yes - Cor	7. Velvetbeans for beans 8. Mungbeans for beans ny COTTON, SUGAR BEETS, POP	136 1 137 1	Bushels Bushels Pounds	2	s n this place i	4 n 1969? Commerció	- 10 - 10	Li e ar	l l luid go'i
📑 Yes – Cor	7. Velvetbeans for beans 8. Mungbeans for beans ny COTTON, SUGAR BEETS, POF nplete this section	136 1 137 1 PCORN, BROOMCO	Bushets Bushets Pounds RN, or MINT FOR OIL h	2 2 Ryested from Acres	s n this place i	4 n 1969? Commercia	- 10 - 10		
	7. Velvetbeans for beans 8. Mungbeans for beans ny COTTON, SUGAR BEETS, POF nplete this section	136 1 137 1 CORN, BROOMCO Acres haryested	Bushets Bushets Pounds RN, or MINT FOR OIL h	2 2 Ryested from Acres	s n this place i	4 n 1969? Commercia Di Whote	- 10 - 10	Whole	
	7. Velvetbeans for beans 8. Mungbeans for beans ny COTTON, SUGAR BEETS, POF nplete this section	136 1 137 1 2CORN, BROOMCO Acres harvested 138 1	Bushels Bushels Pounds RN, OT MINT FOR OIL h Quantity horvested	2 2 Ryested from Acres	3 n this place i familized	4 n 1969? Commercito Di Whota fona 0	1 Ternilize	Whole	
	7. Velvetbeans for beans 8. Mungbeans for beans ny COTTON, SUGAR BEETS, POF nplete this section 1. Cotton	136 1 137 1 2CORN, BROOMCO Acres harvested 138 1 139 1 140 1	Bushels Bushirls Pounds RN, or MINT FOR OIL h Quantity horvested Bales Tons Pounds	2 2 Ryested from Acres	3 http://www.selections formilized 3	4 n 1969? Commercia Di Mitoria fons 4	- 10 - 10 - 10 - 10 - 10	Whole	
	7. Velvetbeans for beans 8. Mungbeans for beans ny COTTON, SUGAR BEETS, POF nplete this section 1. Cotton,	136 1 137 1 2CORN, BROOMCO Acres harvested 138 1 139 1 140 1 141 4	Bushels Bushels Pounds RN, or MINT FOR OIL h Quantity harvested Bales Tans Pounds ear garn	2 Arres Arres Irrigated 2 2 2	3 Acros Ferilized 3 3	4 n 1969? Commersta Di Whota tons 4 4	10 10 10 10 10 10 10	Whole	
	 Velvetbeans for beans 8. Mungbeans for beans ny COTTON, SUGAR BEETS, POF nplete this section 1. Cotton 2. Sugar beets for sugar 3. Sugar beets for seed 	136 1 137 1 2CORN, BROOMCO Acres harvested 138 1 139 1 140 1	Bushels Bushels Pounds RN, or MINT FOR OIL h Quantity harvested Bales Tans Paynds Evinds,	2 Arres Arres Irrigated 2 2 2	3 Acros Ferilized 3 3	4 n 1369? Commercia Da Whote tons 4 4 4 4	10 10 1 Tombe	Whole	

FORM 64 A11341 (5 9-69)

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Yes - Com	plate this section					Comme	rcial ferti Drv	itzer i	Liquid o	
		Acres	Quantity	Acres irrigated	Aci	es 1 2	Whole	۱ ۽ ا	Whole	1
Nø ~		harvested 1 2		1	Act fertil	ized 1 bezi	tons	Tenths	tons	! ?
Go to Section 1.4		160	1 Hundred-	2	3		4		5	
	1. Ifish potatoes	10	weight	2	0		4	10	5	
Walt day Brok	2. Sweetpotatoes	10	Bushels		0	10	-	10	Ĵ	
		162	1	2	3	_	4	1	5	
	3. Tobacco – all types	10			0	10		10		
section 14 – was an	Y HAY or GRASS SILAGE harve	sted from this plai	ce in 1969?							
🗌 Yes – Com	plets this section			1	1			1		
	If two or more cuttings wer REPORT ACRES ONLY OF			Acres		Quanti harvest	ity		Acres	
Go to	all cuttings.			170		narves		5 2	irrigate	a
Section 15	1. Alfalfa and alfalfa mixtu	ures for hay or de	hydrating	-	'		Ton dry	5, 2		
지 않는 것이다. 이 가 가 가 있다. 같은 것이 있는 것이 같은 것이 같이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있 같은 것이 같은 것이 같은 것이 있는 것이 같은 것이 있는 것이 없는 것이 없는 것이 없는 것이 없는 것이 같이 있는 것이 없는 것이 있	2. Clover, timothy, and mix	rures of clover	and propose for here	171	1		Ton dry	s, ²		
			•	172	1		Ton	s, 2		
	3. Small grain hay	••••••••••••		173	1		dry Ť~~	2		
	4. Lespedeza for hay	· · · · · · · · · · · · ·	<i> </i> .				Ť on dry	<u>,</u>		
	5. Coastal Bermuda grass	for hay	. <i>.</i>	174	1		Ton dry	s, 2		
	6. Wild hay			175	1		Ton	s, 2		
	7. Other hay - Sudan grass	sorohum-suda-		176	1		dry	2		
Salla - C	soybean, coupea, peanu						Ton dry	5,		
	8. Grass silage			177	1		Ton gree			
				178	1		Ton	s, 2		
	9. Hay crops cut and fed g	reen		•			g/ee	n		
	· · ·			1		1	Fertiliz	er us	ed	
					cres	D	ry	· · · ·	iquíd or g	193
	8				tilized		, et			
	,					Whol	e ' "	1	Whole	
						ton			Whole tons	•
	10 Community Equilibrium			179				181		
	10. Commercial fertilizer u	·····				ton	10	181		
	y FIELD SEEDS harvested from	·····				ton		181		
		·····		on 15.)		180 Quanti	10 'y	181	Acres	
Ves - Com	y FIELD SEEDS harvested from	·····		on 15.)	,	180	10	181	tons	
Ves - Com	y FIELD SEEDS harvested from	·····		On 15.)		180 Quanti	10 'y	181	Acres	
Yes Com/	y FIELD SEEDS harvested from slate this section	·····		on 15.)		180 Quanti	ty red Pounds, cleon ser Pounds,	181 2	Acres	
Ves - Com	y FIELD SEEDS harvested from slate this section 1. Red clover seed 2. Alfalfa seed	·····		On 15.)		180 Quanti	ty red Pounds, clean see Pounds, clean see Pounds,	181 2 d 2	Acres	
Ves - Com	y FIELD SEEDS harvested from oleft this settion 1. Red clover seed 2. Alfalfa seed 3. Lespedeza seed	this place in 196		0n 15.) Acres harvested 190		180 Quanti	ty red Pounds, clean see Pounds, clean see	181 2 d 2	Acres	
Ves - Com	y FIELD SEEDS harvested from slott this settion 1. Red clover seed 2. Alfalfa seed 3. Lespedeza seed 4. Timothy seed	this place in 196		Acres harvested 190 191 192 193		180 Quanti	ty red Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see	181 2 2 2 2 2 2 2	Acres	
Ves - Com	y FIELD SEEDS harvested from oleft this settion 1. Red clover seed 2. Alfalfa seed 3. Lespedeza seed	this place in 196		Acres harvested 190 191 192 193 194	1 1 1 1 1	180 Quanti	iy red Pounds, clean see Pounds, clean see Pounds, clean see Pounds,	181 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Acres	
Ves - Com	y FIELD SEEDS harvested from slott this settion 1. Red clover seed 2. Alfalfa seed 3. Lespedeza seed 4. Timothy seed	this place in 196		Acres harvested 190 191 192 193		180 Quanti	ty red Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see Pounds,	181 2 ed 2 ed 2 ed 2 ed 2 ed 2 ed 2 ed 2 ed	Acres	
Ves - Com	y FIELD SEEDS harvested from offer this section 1. Red clover seed 2. Alfalfa seed 3. Lespedeza seed 4. Timothy seed 5. Bromegrass seed 6. Orchardgrass seed	this place in 196		Acres harvested 190 191 192 193 194	1 1 1 1 1	180 Quanti	ty red Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see Pounds,	181 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Acres	
Ves - Com	y FIELD SEEDS harvested from slots this section 1. Red clover seed 2. Alfalfa seed 3. Lespedeza seed 4. Timothy seed 5. Bromegrass seed 6. Orchardgrass seed 7. Sweetclover seed	this place in 196	97 (See Leaflet, section	Acres horvested 190 191 192 193 194 195	1 1 1 1 1	180 Quanti	ty ed Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see	181 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Acres	
Ves - Com	y FIELD SEEDS harvested from slotte this section 1. Red clover seed 2. Alfalfa seed 3. Lespedeza seed 4. Timothy seed 5. Bromegrass seed 6. Orchardgrass seed 8. Other field seeds - Enter 9. Enter field seeds - Enter 9. Sector Seed	this place in 196	9? (See Leaflet, section 9. See Leaflet, sect	Acres horvested 190 191 192 193 194 195	1 1 1 1 1	180 Quanti	ty ed Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see Pounds, clean see Pounds,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Acres	
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.

Page 5

🔄 Yes – Com	plete this section	1 1	ľ				Comr	nercial fer	lizer	usod	
I		Acres in trees and	. 1	Acres	: T	·····	T	Dry		Liquid or	gan
No – Go to Section 20, on page 7		vines of all ages	Tent	irrigated i i i 231 i			Tentos	Whole tons	Tenths	Who la tons	1
on page 7	 Land in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees 	230	10	B1	10	232	10	283	10	234	
ion 17 - Were th	ere any NONCITRUS FRUIT TREES or GRAPE	VINES on this	place in	19697			<u> </u>			· · · ·	.
	olete this section	-		or vines o	falla	ges '		Ì١.		· · · ·	
103 - 00m		Acres	Tenth	Number	not of ig age	Numb			luainti i	ly harvested	
No	1. Apples	240		71		2		3		`D.	our
Go to Section 18	2. Peaches, clingstone	241	1 10			2		3			
Section 18	3. Peaches, freestone	242		- 1		2		3			oun
	4. Pears, Bartlett	243				2		3			oun
	5. Pears, other than Bartlett	244		/1		2		3			oun
	6. Cherries, tart	245		1		2		3			oun
	7. Cherries, sweet	246	1	-11		2		3			oun
	8. Avocados (See Leaflet, section 17).	247	1	-11		2		3		<u>P</u>	oun
	9. Dates	248	1	1		2		3		Pe	oyn
		249		/1		2		3		<u>P</u>	oyn
	10. Grapes, American type 11. Grapes, European type	260	1	1		2		3	_,		oun
	a. Raisin varieties - Report quantity harvested in one unit only - either tons fresh or tons dry		1 10	5				4	07	10 fc 10 dr	esh ons
	b. Table varieties	251	1	5		2		3		10 Te	
	c. Wine varieties	252	1	1		2		3		10 TO	
:	12. Plums	253	1			2		3		Po	ouni esh
	 Prunes - Report quantity harvested in one unit only - either pounds fresh or tons dry	254	1	5		2		3	or	P	oun esh
	14. Apricots	255	· . 10			2		3		10 70	
	15. Olives (See Leaflet, section 17)	256	10	5 t		2		3		10 7	
	16. Figs - Report quantity harvested in one unit only - either pounds fresh or tons dry	257	1	1		2		3	or	Po	oun esh

Section 16 - Was there a COMBINED TOTAL of 20 or more fruittrees, including citrus; grapevines; and nut trees on this place in 1969?

Report any other noncitrus fruit trees in the space provided at the end of section 19. Section 18 - Were there any CITRUS FRUIT TREES on this place in 1969? (See Leaflet, section 18.)

CT Vac Com	plete this section	Trees of all ages				Quantity harvested
	biele mis section	Acres	1 Tenths	Number not of bearing age	Number of bearing age	in 1968-69 from bloom of 1968
[] No -	1. Valencia oranges	270	10	1	2	3 Field boxe
Go to Section 19	2. Navel oranges	271	10	1	2	3 Field boxe
	3. Temple oranges	272	10	1	2	3 Field box
	4. Other oranges	273	10	1	2	3 Field boxe
	5. Tangerines and mandarins		10	1	2	3 Field boxe
	6. Tangelos	275	10	1	2	3 Field box
	7. Grapefruit	276	- 12	1	2	3 Field boxe
	8. Lemons	277	- /10	1	2	3 Field boxe
	9. Limes	278	1 /10	1	2	3 Pounds
	10. Kumquats	279	1 10	1	2	3 Pounds

Report any other citrus fruit trees in the space provided at the end of section 19.

	the draw and	1	Tr	ees of all ages	۰.,	l · ľ	× .
Yes - Lom	plete this section	Acres	1 Tenths	Number not of bearing age	Number of bearing age	Quar	itity harvested
[] No	1. Walnuts, English or Persian	280	10	1	2	3	10 Tons
Go to	2. Almonds,		1 10	1	2	3	10 Tons
Section 20	3. Pecans, improved	282	/ 10	1	2	3	Pounds
	4. Pecans, wild and seedling		10	1	2	3	Pounds
	5. Filberts and hazelnuts	284	10	1	2	3	Pounds
	6. Tung nuts	285	1 10	1	2	3	Pounds in husk
	7. Other fruit and nut trees - Give name	286	l l	1	2	3	18/18/19/001
			i 10				Pounds

...

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Section 20 - Were any BERRIES harvested for sale from this place in 1969?

🗋 Yes - Comp	aleto this section	Acres harvested Report tenths of acres	Tenths	Qu (1 q	uantity harvestee uart = 1½ pound	d s)	Acres irrigated Report tenths of ocres	Tenths
Go to Section 21	1. Strawberries		10	1	Po	unds	2	10
	2. Raspherries, red	291	10	1	Po	unds	2	; 10
	3. Raspberries, black	292	10	1	Po	unds	2	10
	4. Cranberries	293	10	1		0-16. rreis		: 10
	5. Other berries - Enter name and No. from list below			1			2	
	Name No		10		Poi	unds	2	10
	Name No		10		Por	unds	£	10
	Name No. Name No. Blackberries and Blueberries, wild	Name Gooseberries Loganberries Youngberries		300	Name All other be Write name		No. ve 302	
				L		rtiliz	er used	
		Acres	,		Dry	1 10	Liquid or ga	
		Report tenths of acres		Tenths	Whole tons	Tenths	Whole tons	Tenths
		303			04	,	305	- L
:	6. Commercial ferrilizer used on berries			10		10		10

Section 21 - Were any VEGETABLES, SWEET CORN, or MELONS, harvested for sale from this place in 1969? (Include crops harvested for fresh market, canning, freezing, or other processing. See Leaflet, section 21.)

🗋 Yes - Comj	plefe this section		Acres harvested Report tenths of acres	Tenths	Acres irrigated Report tenths of acres	Tenths
Go to	1. Tomatoes		310	10		10
Section 22	2. Sweet com		311	10		10
	3. Cucumbers and pickles		312	10		10
	4. Watermelons.		313	10	1	10
× #	5. Snap beans, bush and pole		314	10		10
	6. Dry onions		315	10		10
	7. Lettuce and romaine		316	10		10
	8. Asparagus		317	10		10
	9. Cantaloups, Persians, and muskmelons		318	10		10
	10. Sweet peppers, except pimientos		319	10		10
	11. Green peas		320	10		10
	12. Cabbage		321	10		10
	13. Squash		322	10		10
	14. Green lime beans		323	10		10
	15. Other vegetable crops - Enter name and No. from list be h	эw		1	1	
	Name	No		10	1	10
	Name	No		10		10
	Name No. Name No. Attichokes 334 Cauliflower 340 Beets 335 Calery 341 Bisckeyes and other Ergplant 342 green cowpeas 337 Escencle, endive, and chicory 343 Brussels spronts 337 and chicory 343 Garrots 339 Honeydew melons 345	Kale Mustard green Pumpkins Radishes Shallots and green onlons		urnips 11 other vo (pimiento: etc.) – Wri Fortil	No. 352 353 segetables 353 segetables 354 s, turnip groens, ite name obove	
		Acres fertilized Report tenths	Dr ₩hole		Liquid or gas	
	16. Commercial fertilizer used on vegetables,	of acres	i i tona	ار :	357	Tenths
	sweet coth, or melone		1 10	1	0	10
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			A	ties used	in 1969			Repo	af sala: It approx	Imate
No – Goto	• • •	· · ·	Square feet u glass or oth protection	int 1 🖓	res in the Report ten > of acres	ths	Tenths	CENTS	NOT RE	QUIREL I Cen
Section 23	, *-			1/// 370		<u> </u>		371	· · · · ·	
	1. Nursery products-trees, shrubs, vin	es, etc.;	<i>\////////////////////////////////////</i>	111				\$ 373		
	2. Sod		V/////////////////////////////////////				10	\$		1
				378				376		
	3. Bulbs		<u> ////////////////////////////////////</u>	378			10	\$ 379		
	4. Cut flowers, florist greens, and pott bedding, or other florist plants	ted,	ľ.				10	s		1
	-		400	40			1	402		1
	5. Flower seeds, vegetable seeds, and vegetable plants						10	s		
		`	403		7//////			404		
	6. Mushrooms	· · · · · · · · · · · · · · · · · · ·	405					\$ 406		
	7. Vegetables grown under glass or of a. Tomatoes	-						¢		:
		· · · · · · · · · · · · · · · · · · ·	407		111111			408		
	b. Cucumbers		409					\$ 410		:
	c. Lettuce		1			1111		s		1
			41.1					412		
	d. Other vegetables	• • • • • • • • • • • • • • • •	413	41	(1111111		//////	anim		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	8. Area irrigated - Include items 1 thr	ough 7	<u> </u>		·		10			
	1 · · · · · · · · · · · · · · · · · · ·							· · ·		
			Ar	ea fortiliz	l i	j.			izer use	······
					<u> </u>	¥		drý		d or gas
		. · · ·	Square fee	e 14	icries I I	Tenth	Who! fon		Who tor	
	9 Commercial forsilings mand	and the second sec	415	416	ł. 1		17	<u>-</u>	418	·
	9. Commercial fertilizer used on nursery or greenhouse products				1	10		1	0	1.
	 plete this section 1. Root crops for feed 2. Sorghums for sirup 3. Soybeans hogged or grazed or cut for 			**************************************	420 421 422	res h	arvəsti	1	Acres in	rigated
No – Go to	 Root crops for feed Sorghums for sirup)		· · · · · · · ·	420	res h	arvesti 	ad 1 1 1	Acres in	rigated
No - Go to	 Root crops for feed Sorghums for sirup Soybeans hogged or gtazed or cut for)		· • • • • • • • •	420	res h	arvæsti 	1	Acres in	rigated
No – Go to	 Root crops for feed Sorghums for sirup Soybeans hogged or grazed or cut for Other crops - Enter name and No. 1 Name)		· · · · · · · ·	420	res h	<u>arvəst</u> i	1	Actes i	rigated
No - Go to	 Root crops for feed Sorghums for sirup Soybeans hogged or grazed or cut for Other crops - Enter name and No. 3 Name	trom list below	No	· · · · · · · · · · · · · · · · · · · ·	420			1	Actes ii	
No - Go to	 Root crops for feed Sorghums for sirup Soybeans hogged or grazed or cut for Other crops - Enter name and No. 1 Name 	rom list below		ne nflower se	420 421 422		á. 1	t 1 1 1 tame Chulas fr	or nuts	
No - Go to	1. Root crops for feed	hame Lentiis	No No No. Na 	me nflower se eét com	420 421 422 		á. 1	t 1 1 1 1 tame Chufas fo Ail other	or nuts crops	• # • • • # #
No – Go to	1. Root crops for feed	hame LentilsSoybeans plowed unt Sugarcane for sted	No. Na Mo. Na 	me nflower se eet cord f tech or page	420 421 422 422 422	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Á. 1	t 1 1 1 1 tame Chufas fo Ail other	or nuts	• # • • • # #
No – Go to	1. Root crops for feed 2. Sorghums for sirup 3. Soybeans hogged or grazed or cut for 4. Other crops - Enter name and No. 1 Name Name Name Name Name Name Name Name Castor beans Year of the stage of the stage Year of the stage	Name Hame Lequils Sesame for seed Soybeans plowed unt Sugarcane for: Sugar Singar	No. Na Mo. Na 427 Su 428 Sw fer. 429 Ve 430 Di	me nflower se tet con i teh or per or mixed. H for oth a	420 421 422 422 6d 5r seed 5 alone	11 11 12 12 12 12 12 12 12 12 12 12 12 1	6. 1 13- 1 15 15	t 1 1 1 1 tame Chufas fo Ail other	or nuts crops	• # • • • # #
No - Go to	1. Root crops for feed 2. Sorghums for sirup 3. Soybeans hogged or grazed or cut for 4. Other crops Bame Name Name Name Reastor beans Name Additional contents Name Name Additional contents Name Name Additional contents Name Name Name Additional contents Name	Name Lettils Sesume for séed Soybeans plowed und Sugarcane for: Sugar	No No. Na 427 Su 428 Sw ior. 428 Sw ior. 429 Ve 430 Di	me nflower se eet cord f tech or page	420 421 422 422 6d 5r seed 5 alone	11 11 12 12 12 12 12 12 12 12 12 12 12 1	6. 1 13- 1 15 15	t 1 1 1 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	crops	· · · · · · · · · · · · · · · · · · ·
No - Go to	1. Root crops for feed 2. Sorghums for sirup 3. Soybeans hogged or grazed or cut for 4. Other crops - Enter name and No. 1 Name Name Name Name Name Name Name Name Castor beans Year of the stage of the stage Year of the stage	Name Hame Lequils Sesame for seed Soybeans plowed unt Sugarcane for: Sugar Singar	No. Na Mo. Na 427 Su 428 Sw fer. 429 Ve 430 Di	me nflower se tet con i teh or per or mixed. H for oth a	420 421 422 422 6d 5r seed 5 alone	11 11 12 12 12 12 12 12 12 12 12 12 12 1		iame Chulas fo All other Wrore r	crops ame abo	
No - Go to	1. Root crops for feed 2. Sorghums for sirup 3. Soybeans hogged or grazed or cut for 4. Other crops - Enter name and No. 1 Name Name Name Name Name Name Name Name Castor beans Year of the stage of the stage Year of the stage	Name Hame Lequils Sesame for seed Soybeans plowed unt Sugarcane for: Sugar Singar	No. Na Mo. Na 427 Su 428 Sw fer. 429 Ve 430 Di	me nflower se tet con i teh or per or mixed. H for oth a	420 421 422 422 422 422 422 422 422 422 422	10 10 10 10 10 10 10 10 10 10 10 10 10 1		i i i i i i i i i i i i i i i i i i i	or nuts crops - iane abo	d id or ga
No – Go to	1. Root crops for feed 2. Sorghums for sirup 3. Soybeans hogged or grazed or cut for 4. Other crops - Enter name and No. 1 Name Name Name Name Name Name Name Name Castor beans Year of the stage of the stage Year of the stage	Name Hame Lequils Sesame for seed Soybeans plowed unt Sugarcane for: Sugar Singar	No. Na Mo. Na 427 Su 428 Sw fer. 429 Ve 430 Di	me nflower se tech or per or mixed. H for oth a	420 421 422 422 64 97 seed 8 alône	10 10 10 10 10 10 10 10 10 10 10 10 10 1		i i i i i i i i i i i i i i i i i i i	or nuts crops - iane abo	d id or, ga
No - Go to	1. Root crops for feed 2. Sorghums for sirup 3. Soybeans hogged or grazed or cut for 4. Other crops - Enter name and No. 1 Name Name Name Name Name Name Name Name Castor beans Year of the stage of the stage Year of the stage	Name Hame Lequils Sesame for seed Soybeans plowed unt Sugarcane for: Sugar Singar	No. Na Mo. Na 427 Su 428 Sw fer. 429 Ve 430 Di	me nflower se tech or per or mixed. H for oth a	420 421 422 422 422 422 422 422 422 422 422	11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	6. 1 13 14 15 16 17	i i i i i i i i i i i i i i i i i i i	or nuts crops - iane abo	d id or an
No - Go to	1. Root crops for feed 2. Sorghums for sirup 3. Soybeans hogged or grazed or cut for 4. Other crops - Enter name and No. 1 Name Name Name Name Name Name Name Name Castor beans Year of the stage of the stage Year of the stage	Name Lentis	No. Na. Na. Na. 427 Su: 427 Su: 428 Sw 107. 428 Vg 107. 431 Di 431 Di 432 Wo	me nflower se eet corn f tech or page or mixed. Il for oil mased of 440	420 421 422 422 422 422 422 422 422 422 422	11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	á. 11 13 14 15 15 16 19 19	tame 1 1 1 1 1 1 1 1 1 1 1 1 1	crops - crops - iame abo	d id or an
No – Go to Section 24	1. Root crops for feed 2. Sorghums for sirup 3. Soybeans hogged or grazed or cut for 4. Other crops - Enter name and No. 1 Name Name Name Name Name Cowpeas hogged or grazed or cut for silage Year Guar	Name Lentis	No. Na. Na. Na. 427 Su: 	me nflower se eét corn f tch or pas or mixed. Il for oil. gnseed of 440	420 421 422 422 422 422 422 422 422 422 422	11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	á. 11 13 14 15 15 16 19 19	time Chulas fo XII other Wrore r	crops iame abo lizer use Liau 442	d d lg or an l l l l l l l
No - Go to Section 24	1. Root crops for feed 2. Sorghums for sirup 3. Soybeans hogged or grazed or cut for 4. Other crops - Enter name and No. 1 Name Name Name Name Name Cowpeas hogged or grazed or cut for silage Guar	Name Lentis	No. Na. Na. Na. 427 Su: 	me nflower se eét corn f tch or pas or mixed. Il for oil. gnseed of 440	420 421 422 422 422 422 422 422 422 422 422	11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	á. 11 13 14 15 15 16 19 19	tame This tame Shufas fo All other Where r Where r Where r Cast of the r	or nuts crops = iame abo lizer use Ligu Wh to Add2	d d id or ga if or ga i i i i i i i i i i i i i i i i i i i
No - Go to Section 24 24 - Were 3 Yes - Con	 Root crops for feed	Name Lentils Sesame for Séed Soybeans plowed und Sugarcane for: Sugar Sirgi Sirgi Seed Seed Seed	No. Na. Na. Na. 427 Su: 	me nflower se eét corn f tch or pas or mixed. Il for oil. gnseed of 440	420 421 422 422 422 422 422 422 422 422 422	11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	á. 11 13 14 15 15 16 19 19	ime CENT	st nuts crops	d d d id or gan id or an is id or an is is is is is is is is
No - Go to Section 24 24 - Were a Yes - Con No - Go to	 Root crops for feed	Name Lentis	No. Na. Na. Na. 427 Su: 	me nflower se eét corn f tch or pas or mixed. Il for oil. gnseed of 440	420 421 422 422 422 422 422 422 422 422 422	11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	á. 11 13 14 15 15 16 19 19	i i i i i i i i i i i i i i i i i i i	st nuts crops	d d d id or gan id or an is id or an is is is is is is is is
No - Go to Section 24 24 - Were 3 Yes - Con	 Root crops for feed	Name Lentils Sesame for Séed Soybeans plowed und Sugarcane for: Sugar Sirgi Sirgi Seed Seed Seed	No. Na. Na. 427 Sut. 427 Sut. 428 Sw ibr. 429 Ve 431 Dil. 431 Ve 432 Wo	me nflower se eet coro f ich or pee or mixed. Il for oil, miseed of i	420 421 422 422 422 422 422 422 422 422 422	11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	á. 11 13 14 15 15 16 19 19	T T T T T T T T T T T T T T	st nuts crops	d d id or an i i i i i i i i i i i i
No Go to Section 24 24 - Ware a 3 Yas - Con	 Root crops for feed	Ar silage from list below Hame Lettis Sesame for seed Soybeans plowed und Suparcent for Sirup Sirup Seed Seed	No No. Na No. Na 427 Su 428 Sw ler. 429 Ve 431 Di 432 Wo	me nflower se eet corn f teh or peis mseed of rmseed of	420 421 422 422 422 422 422 422 422 422 422	11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	á. 11 13 14 15 15 16 19 19	ime Chulas fo All other Write r CENT CENT ASS ASS S ASS S S	st nuts crops	d id or an ola i bas i i i i i i i i i i i i i i i i i i i
No Go to Section 24 24 - Ware a 3 Yas - Con	 Root crops for feed	Ar silage from list below Mame Lentils Sesame for seed Soybeans plowed und Suparcane for: Sugar Sirup Seed Seed Crops e in 19697 (See Leaf	No No. Na 427 Su 427 Su 428 Su 429 Su 431 Di 431 Di 432 Wo 432 Wo 432 Wo 432 Wo	me nflower se eet corn f teh or peis mseed of rmseed of	420 421 422 422 422 422 422 422 422 422 422	11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	á. 11 13 14 15 15 16 19 19	tiame Time Time Chufas for Vitil other Write of CENT CENT S ASS S ASS S ASS S	st nuts crops	d id or ga id or ga is i is i i i i i i i i i i i i i i i i
No Go to Section 24 24 - Ware a 3 Yas - Con	 Root crops for feed	Ar silage from list below	No No. Na 	me nflower se eet corn f teh or peis mseed of rmseed of	420 421 422 422 422 422 422 422 422 422 422	11 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	á. 11 13 14 15 15 16 19 19	ime Chulas fo All other Write r CENT CENT ASS ASS S ASS S	st nuts crops	d id or ga id or ga is i is i i i i i i i i i i i i i i i i

Section 22 - Were any NURSERY or GREENHOUSE PRODUCTS grown for sale on this place in 19697 (See Jentlet Section 29.)

FORM 69-A1 (34) (8-9-70)

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Section 25 - Did you	l or anyone else have any CHICKENS, TURKEYS, or OTHER POULTRY on this place or	December 31, 1969,	
OF WOLD	any sold from this place in 1969? (See Leaflet, section 25.)	1	Total number sold in 1969
Yes - Com	pleto this section	Number on this play December 31,	1969 and taken
□No -	1. Chickens 3 months old or older:	455	from this place 456
Go to Section 26	u. News and pullets of laying age (Scolude started pullets being raised for . 5. Pullets 3 months old or older not yet of laying age -	sale) 457	458
	Include started pullets being raised for sale or sold		
	c. Any other chickens I months old or older not included above-topsters, capons, etc.	459	460
	2. Brollers and other meat type chickens less than 3 months old	461	462
	3. Turkeys of all ages: a. Turkey hens kept for breeding	463	464
		465	466
	b. Other rurkeys - Include Irvers	467	468
	4. Ducles		470
	George and the second sec		472
	6. Other poultry – Include game birds raised in captivity – Specify		472
Section 26 - Did you	or anyone else have any DATTLE or CALVES on this place on December 31, 1969, or w callel, section 26.	ere any sold from this p	lace in 1969?
こう こう ほう 夏谷	ofere this section		Number on this place
	1. Cathle and calves of all ages		December 31, 1969 480
Go to	(Fotal of a, b) and cf	• • • • • • • • • • • • • • • • •	481
Section 27	a. Cows - Include dry cours and delfers that had caloed	• • • • • • • • • • • • • • •	482
· · · · · · · · · · · · · · · · · · ·	 Heifers and heifer calves (Do not include heifers that had calved) Bulls, bull calves, steers, and steer calves	•••••	483
		• • • • • • • • • • • • • • •	Number of milk cows
			on this place December 31, 1969
	2. Milk cows - Of the total cows reported in item Ia, how many were milk cows Include dry milk cows and milk heiters that had calved	\$? ·················	484
	3. Was any whole milk sold to plants or dealers in 1969?		485
	ye and may make make sole to plants transports in 1909?	•••	1 Yes 2 N Number fattened on
		Total number sold	grain or concentrates 30 days or more and
	4. Cattle and calves sold from this place in 1969 - Include those fed on this place on contract or custom basis.	15	sold for sloughter (See Leaflet)
	a. Calves sold	-	
	b. Cattle other than calves sold		489
lection 27 - Old you (See Le	or anyone size have any HOGS or PIGS on hits place on December 31, 1969, or were any aflet, section 27.)	sold from this place in	1969?
🛄 Yes - Comj	ists this section		Number on this place December 31, 1969
	Total of a and by		490
Go to Section 28	a. Hogs and pigs used or to be used for breeding	• • • • • • • • • • • • • • • • •	491
decision ED	b, Other hogs and pigs	•••••••••••	492
			1 N. C. Chu
	2. Litters farrowed on this place between a. December 1, 1968, and May 31, 1968	•	Number of litters 493
	b. June 1, 1969, and November 30, 1989		494
		* > • • • • • • • • • • • • • • • •	L
		Total number sold	Number sold as feeder pigs for further feeding 496
	3. Hogs and pigs sold from this place in 1969.		
	or anyone else have any SHEEP or LAMBS on this piece on December 31, 1969, or were		in 1969?
Yes - Comp	lein this section	Number on this place December 31, 1969	Number sold in 1969
1.1 Q	T. Sheep and lambs of all ages. (Total of a, b, and c)	~	501
No -			
□ No - Go to Section 29	o: Lambs under 1 year old		

.

Yes - Com	plete this section	Number on this place December 31, 1969	Number sold in 1969	>
	1. Horses of all ages (Do not include ponies)	\$10	511	
Go to	2. Ponies of all ages	512	513	
Section 30	3. Mules, burros, and donkeys of all ages	514	515	· · · ·
	4. Angora goats	516	517	
	5. Milk goats	F10	519	
	6. Other goats	\$20	521	
	7. Hives of bees on this place and honey sold	522	523 Pounds of hone	
	8. Mink	524	\$25 Mink and peli	ts
	9. Rabbits	526	527 Rabbits and pel	
	10. Chinchillas	528	529 Chinchi ond pel	
	11. All other livestock - Specify	530	531	ayyeneringin.
		530	531	

Section 29 - Did you or anyone else have any OTHER LIVESTOCK on this place on December 31, 1969, or were any sold from this place in 1969?

Section 30 - Did you have any CONTRACT or BINDING AGREEMENT to produce or market any farm products from this place in 1969?

C No -Go to Section 33

1. Of the hired workers, how many worked -

c. 150 days or more on this place? . . .

b. Less than 150 days on this place?

600

801

⁽See Leaflet, section 30,) Yes - Complete this section Marketing For each group of products, mark (X) the column which best describes the purpose of the contract or agreement and the type of contractor. If both production and marketing for the product, mark under production. Also mark the intern functioned Mark (X) as many columns as apply for each item furnished by the contractor Production contract or or sales contract or Amount received from contractor for each product agreement agreement □ No -Go to Section 31 rocessor Equipm production. Also mark the items furnished **Sredit** ő d0-0 Labor CENTS NOT REQUIRED bee' eed Mar and report the amount received. Cents Dollars 1, Poultry and eggs . . . 543 2. Dairy products 546 549 4. Hogs and other livestock . . 552 5. Vegetables - melons, etc... 555 6. Fruits, citrus, nuts, or berries . . S 558 560 7. Other crops - sugar beets, peanuts, etc. Written Orai Both 8. For each product for which you had a contract or agreement, write the name of the product and indicate whether the con-1 2 з [_] 86 Nome 1 э 🗀 2 tract was written, oral, or both. з []] ۱Ľ 2 563 Section 31 - MACHINERY and EQUIPMENT on this place on December 31, 1969. (Include only equipment used in 1968 or 1969. See Leaflet, section 31.) Number manufactured in -1964 or earlier 1965 or later Selected machinery and equipment on this place, December 31, 1969 570 1. Automobiles 572 573 2. Motortrucks - Include pickups 574 575 3. Wheel tractors other than garden tractors and motor tillers 576 577 4. Crawler tractors 578 579 5. Riding garden tractors, 7 hp. and over 580 581 6. Grain and bean combines, self-propelled only 582 -7. Corn heads for combines, 564 568 8. Other compickers and picker-shellers 586 587 9. Pickup balers 586 Śê9 10. Windrowers - pull and self-propelled (Exclude mower conditioners) 890 591 11. Field forage harvesters, shear bar only CENTS NOT REQUIRED Dollars Cents 12. Estimated market value of all machinery and equipment usually kept on this place and used for the farm business - Include the items listed above and any other machinery and equipment. 102 Section 32 - Were any HIRED WORKERS employed to do farm or ranch work on this place in 1969? (Do not include employees of labor contractors who performed customwork for you. See Leaflet, section 32.) Yes - Complete this section Number of workers

Section 33 - INSECTICIDES, HERBICIDES, FUNGICIDES, OTHER PESTICIDES, LIME and OTHER CHEMICALS used on this place in 1969.

Include any of these materials		Tons used	Acres on which used	Estimated (Do not inc cost of apply CENTS NOT REC Dollars	lude ying)
paid for by your		610	611	612	
landlord and by custom operators.	1. Lime (Do not include land plaster or gypsum orlime for samitation.)	-		s	
For each item	2. Sprays, dusts, fumigants, etc. to control -		613	614	
listed, report	s. Insects on hay crops	• • • <i>• • • • • •</i> • •		S	
acres only once,			615	616	
but report cost of all such materials	b. Insects on other crops (corn, cotton, tobacco, potatoes, trees,	vines, etc.)		S	
used on these			617	618	
acres in 1969.	c. Nematodes in crops	. . <i>.</i>		S	
(See Leaflet,			619	620	
section 33.)	d. Diseases in crops and orchards (blights, smuts, rusts, etc.)		L	S	
			621	622	
	 Weeds or grass in crops - Include both pre-emergence and post-e 	emergence)		S	
			623	624	
	f. Weeds or brush in pasture	•••••••••••		3	
			625	626	
	3. Chemicals for defoliation or for growth control of crops or thinning	g of fruit	L	ŝ	
				627	
	4. Expenditures for insect control on livestock and poultry	• • <i>•</i> • • • • • • • •		S S	

Section 34 - Production EXPENSES for this place in 1969.

						CENTS NOT REQUIRED
						Dollars Cents
Include your best	1. Livestock and poultry purchased - cattle, calves, hogs, pigs, s	sheep.				630
estimate of	lambs, goats, horses, baby chicks, poults, started pullets, etc.			<i></i> .	. <i>.</i> . . .	s
expenses paid by						631
others - your landlord, con-	 Total feed purchased for livestock and poultry - grain, hay, sila feeds, concentrates, etc. (Total of dollars for a, b, c, and d). 		1			
tractors, buyers,	reeus, concemunics, etc. [1000 of uound for u, o, c, und u/					
etc for crops,		Tons	Tenths	Dollars	Cents	\$ <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
livestock or livestock products	 Commercially mixed formula feeds purchased - complete, supplement, concentrates. (Do not include ingredients) 	632	T	633	1	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
produced on this	purchased separately, such as soybean meal, cottonseed					\$ <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
place.	meal, and urea.)		10	s		\$ <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
(See Leaflet.	b. Ingredients purchased - such as soybean meal, cotton-	634		635	1	<i>`\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
section 34.)	seed meal, urea, etc., millfeeds or other milling	1			3	\$ <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
	byproducts. (Do not include whole grains.)		10			<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
	o, anotegratio parenasca - such as corn, ones, bartey,	636	1	637	1	XIIIIIIIIIIIIIIIIIIIIII
2	grain sorghum, wheat, rye, etc. Include cracked grain. (Do not include millieeds or other milling					\$ <i>111111111111111111</i> .
	byproducts, or green chop.)	1	10	s		\$ <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
13		63B		639	i	\$ <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
	d. Hay, green chop, silage, etc.		10		:	\$ <i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
	d. Hay, green chop, silage, etc.	L	10	3	1	1640
	3. Seeds, bulbs, plants, and trees purchased					s
	A. oronal, massel human, and mere humanities (•••••		••••	641
~	4. Commercial fertilizer purchased - all forms, including rock photo	sphate and	i gypsum			S
	5. Total gasoline and other petroleum fuel and oil purchased for th	•				642
	fuel, LP gas, butane, propane, piped gas, kerosene, fuel oil, mo	otor oil, g	rease, et	C.		
	(Total of a, b, c, and d)					s
			1		1	
			L	Dollars	: Cents	
			643	Dollars	Cents	
	a. Gasoline for the farm business		s		Cents	
			· · <u>\$</u>		Cents	
	a. Gasoline for the farm business		· · <u>\$</u> 644		i Cents	
	b. Diesel fuel for the farm business ,	· · · · · · · ·	· · <u>S</u> 644 · · <u>S</u> 645		i Cents	
	b. Diesel fuel for the farm business ,	· · · · · · · ·	· · <u>\$</u> 644 · · <u>\$</u> 645 · · <u>\$</u>		i Cents	
	 b. Diesel fuel for the farm business , c. LP gas, butane, and propane for the farm business d. Motor oil, grease, piped gas, kerosene, and 		· · <u>\$</u> 644 · · <u>\$</u> 645 · · <u>\$</u> 846		1 Cents 2 2 2 3 3 3 3 3 4 3 4 1 1 1 1 1 1 1	
	 b. Diesel fuel for the farm business , c. LP gas, butane, and propane for the farm business d. Motor oil, grease, piped gas, kerosene, and fuel oil for the farm business 	· · · · · · · · ·	· · <u>S</u> 644 · · <u>S</u> · · <u>S</u> 846 · · <u>S</u>		i Cents	
	 b. Diesel fuel for the farm business ,	including	· · <u>544</u> · · <u>544</u> · · <u>545</u> · · <u>5</u> · · <u>5</u>		i Cents i i i i i i i i i i i i i	647
	 b. Diesel fuel for the farm business ,	including onot inclu	· · <u>544</u> · · <u>544</u> · · <u>545</u> · · <u>5</u> · · <u>5</u>		i Cents	
	 b. Diesel fuel for the farm business ,	including onot inclu	<u>S</u> 644 <u>S</u> 645 <u>S</u> 645 <u>S</u> 646		i Cents	647 648 <u></u>
	 b. Diesel fuel for the farm business	including onot inclu				
	 b. Diesel fuel for the farm business ,	including onot inclu			1 Cents	
	 b. Diesel fuel for the farm business	including not inclu as harvesi s by a con			Cents	
	 b. Diesel fuel for the farm business ,	including not inclu as harvesi s by a con for use of			Cents	648 5 1
	 b. Diesel fuel for the farm business	including onot inclu as harvest by a con for use of combining	s 645 s 645 s 645 s 645 s f tage tractor, equipme , corn		i Cents : : : : : : : : : : : : :	649 · · · · · · · · · · · · · · · · · · ·
	 b. Diesel fuel for the farm business	r including onot inclu as harresis s by a com- for use of combining	sequipme corn	nt,		648 <u>5</u> 649 <u>5</u> 650 <u>5</u>
	 b. Diesel fuel for the farm business	f including onot inclu as harresis s by a com- for use of combining	s 644 s 645 s 946 s 1 946 s 1 946 s 9 s 946 s 946 	nt, otal here		648 <u>5</u> 649 <u>5</u> 650 <u>5</u>
	 b. Diesel fuel for the farm business ,	tincluding onot inclu as harcesis s by a con- for use of combining tion 33 an nses, and	s 644 s 645 s 645 s 645 s f de tractor, con d enter t deprecia	nt, otal here		649 · · · · · · · · · · · · · · · · · · ·
	 b. Diesel fuel for the farm business	r including not inclu as harvest s by a con for use of combining tion 33 an nses, and business.	s 644 s 645 s 645 s 645 s f de tractor, con d enter t deprecia	nt, otal here		649 <u>5</u> 649 <u>5</u> 550 <u>5</u> 550 <u>5</u> 51 <u>1</u>
	 b. Diesel fuel for the farm business ,	r including not inclu as harvest s by a con for use of combining tion 33 an nses, and business.	s 644 s 645 s 645 s 645 s f de tractor, con d enter t deprecia	nt, otal here		649 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	 b. Diesel fuel for the farm business	f including not inclu as harvest s by a con for use of combining tion 33 an asses, and business.	s 644 s 645 s 946 s s 946 s s 946 s s 946 s s 946 s s 946 s s 946 s s 946 s s 946 s s 945 s s 945 s s 945 s s 945 s s 945 s 	nt, otal here tion,		649 <u>5</u> 649 <u>5</u> 550 <u>5</u> 550 <u>5</u> 51 <u>1</u>

	, , , , , , , , , , , , , , , , , , ,	1
1		CENTS NOT REQUIRED
Include market	1. Grains - corn for grain, small grains, soybeans for beans, grain	Dollars Centa 650
value of landlord's and	sorghums, cowpeas for peas, dry beans, and dry peas	\$
contractor's share. (See Leaflet.	2. Tobacco	\$
section 35.)		662
	3. Cottom and cottonseed	\$ 663
	4. Field seeds, hay, forage, and silage	\$
	5. Other field crops - peanuts, Irish potatoes, sweer- potatoes, sugar beets, sugarcane, pineapples, popcorn, mint for oil, hops, etc Specify	664
	6. Vegetables, sweet corn, and melons (Do not include Irish potatoes and sweetpotatoes.)	665
	7. Fruits, nuts, and berries – apples, berries, citrus, grapes, peaches, pecans, pears, etc	566 S
	 Poultry and poultry products - broilers, other chickens, eggs, ducks, turkeys, etc. 	567 \$
	9. Dairy products - milk, cream, etc. (Report goat dairy products in item 13.)	668 \$
	10. Dairy cattle and calves	669 \$
	11. Other cattle and ralves	\$
	12. Hogs, sheep, and goats - Include pigs, lambs, wool, and mohair.	671 s
	13. Other livestock and livestock products –	672
	horses, mules, fur-bearing animals, bees, honey, goat dairy products, etc Specify	\$ 1
	14 Nursen and search use madures cald . Add deliges constant in particular 22 and anter total have	673
	14. Nursery and greenhouse products sold – Add dollars reported in section 22 and enter total here.	674
	15. Forest products sold – Add dollars reported in section 24 and enter total here	\$!
	16. Total market value of all agricultural products sold, before taxes and expenses – Add dollars for items 1 through 15 and enter total here	675 S
Section 36 - FARM-	RELATED INCOME received in 1969	CENTS NOT REQUIRED Dollars Cents
Report amount received before	1. Customwork and other agricultural services provided for others – plowing, planting, spraying, harvesting, preparation of products for market, etc.	680 \$
taxes and expenses.	 Recreational services - providing hunting, fisbing, picnicking, camping, boarding and lodging, or other recreational facilities on this place	581 \$
	3. Payments you received for participation in Government farm programs (Do not include redeemable loans. See Leaflet, section 36.)	682 \$.
Section 37 - Type of	ORGANIZATION	
	1. Mark (X) the box which best describes this operation.	
	$\begin{array}{c} Corporation, including family \\ 590 \\ (Do not include co-ops.) \end{array} 5 \bigcirc Other - S_{1}$	pecify
	1 Individual or family farm, 3 10 or fewer shareholders excluding partnership	
	and corporation reservation	e: Estate or trust, Indian , prison farm, grazing 1, ço-operative, etc.
	including family	
Section 38 - FARM	OPERATOR CHARACTERISTICS	
	1. Does the operator - the person in charge of the farm or ranch operations - live on this place? 591 1 Yes	2 🛄 No
	2. Year operator began to operate any part of this place	ear
	3. Operator's age	ears old
,	4. Race - Mark (X) the appropriate box 1 White 2 Negro or black 3 India	;
	5. Number of days operator worked off this place in 1969 - Include work at a nonfarm job, business profession, or on someone else's jurm. (Do not include exchange work.) - Mark (X) the appropriate 595	or te box.
	1 None 2 1-49 days 3 50-99 days 4 100-199 days 5 200	days or more
Section 39 - SIGNAT	TURE of person filling this report - Please check your answers, then sign below.	Telephone code Number
	700 701	
Name	Date	<u>,, , , , , , , , , , , , , , , , , , ,</u>

Section 35 - MARKET VALUE, before taxes and expenses, of agricultural products sold from this place in 1969 - crops, livestock, livestock products, etc.

Romarks - Atlach separate sheet, if needed.

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Short Report Form

	U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS CULTURE - 1969	Budget Bureau No. 41-S68075 Approval Expires December 1970
Please montion the Concus File Number (the of the address label) if you write to us about	ren-digit number in the upper left corner this report. 5	Response to this inquiry is required by law (Title 13, U.S. Code). By the same law your report to the Census Bureau is confidencial. It may be seen only by sworn Census employ- ees and may be used only for statistical purposes.
		CENSUS USE ONLY
		801 802
		803 804
· · ·		
الالا الله المحمد منا مستخدمة والمراجع بالمحمد والتجميد ومناجع والمحمد والمحمد والمحمد والمحمد والمحمد والمحمد	e and address including ZIP code)	
Please read	Section 1 - AGRICULTURAL ACTIVI	TY in 1969
This form is being used in all parts of the United States. Please answer the ques- tions that apply to your operations and	1. At any time during 1969, did you h	Yes No
return this form in the enclosed envelope. Please put your answers in the unshaded		
answer spaces. Explanations and com- ments may be written in the shaded areas	sovheans, peanuts, potatoes, o	
to the left of the answer spaces or in the		, or berries for sale?
"Remarks" space on page 4. If you do not have exact figures, please	d. A combined total of 20 or more citrus), nut trees, and grapevin	
give your best estimate. You may mark the answer "est." (for estimate), if you		
vish.	f. Any other crops?	
Do not include fractions in your answers	gi outer agricuitat producto no	
except in section 4, items 11 through 16.	Christman trans or timber for se	
For dollar items, cents are not required. If you prefer to report both dollars and cents, please, write the cents in the "Cents" column.		· • • • • • • • • • • • • • • • • • • •
"None," please leave the answer space blank, unless a small answer box is provided, as in section 1. Please mark answers of "Yes," "No," or "None" by placing an X in the small answer box.	2. At any time in 1969, did you own	of the guestions above,
	ACIND	
Section 2 - ACREAGE in 1969 and OWN	-Kon(F	None Acres
Section 2 - ACREAGE in 1969 and OWNI 1. Lund owned		None 810
 Land owned Land rented or leased from others - cropped for others; leased Federal, S free. (Do not include land used on a 	include land worked on shares or share- late, and railroad land; and land used ren per-head basis under a grazing permit.).	None 810 D 811 t None
 Land owned	include land worked on shares or share- late, and railroad land; and land used ren per-head basis under a grazing permit.). lude land subleased and land worked	None (810) 811 t None
 Land owned	include land worked on shares or share- late, and railroad land; and land used ren per-head basis under a grazing permit.). lude land subleased and land worked awmed (item 1) to access rented (item 2), the stiftem 3), and enter your answer in this s	None 810 611 f None 811 None 812 None 812 None 813
 Land owned	Include land worked on shares or share- late, and railroad land; and land used ren per-head basis under a grazing permit.). lude land subleased and land worked awned (item 1) to access rented (item 2), i a (item 3), and enter your answer in this s LACE for this census report.	None 810 f None None 811 i 812 i 812 i 813
 Land owned	include land worked on shares or share- late, and raibroad land; and land used ren per-head basis under a grazing permit.). lude land subleased and land worked owned (item 1) to acress renied (item 2), i a (item 3), and enter your answer in this s a (item 3), and enter your answer in this s a (item 3), and enter your answer in this s a (item 3), and enter your answer in this s a (item 3), and enter your answer in this s a (item 3), and enter your answer in this s a (item 3), and enter your answer in this s basis of the second second second second second decision of the second second second second second decision of the second second second second second second second decision of the second seco	None 810 f None None 811 Mone 812 812 813
 Land owned Land rented or leased from others - cropped for others, leased Federal, S free. (Do not include land used on a 3. Land rented or leased to others - Int on shares or share-cropped by others Total acres - Pieuse ADD acres SUBTRACT acres rented to other Thuse are the ACRES in "THIS I 5. How many acres in THIS PLACE wer Federal programs such as those for H Were there any real estate morrgages contracts on any part of the land and How many persons rented or leased 1 those working land on shares. How many acres of the land rou rented 	Include land worked on shares or share- late, and railroad land; and land used ren per-head basis under a grazing permit.). Inde land subleased and land worked worked (item 1) to access renied (item 2), it s(item 3), and enter your answer in this s s(item 3), and enter your answer in this s set grains, wheat, erc.?	None 810 t None None 811 t None None 812 t 0 hen 813 pace. 813 i 1 Yes 2 No 816 1 Yes 2 Persons Persons
 Land owned	Include land worked on shares or share- late, and railroad land; and land used ren per-head basis under a grazing permit.). Inde land subleased and land worked worked (item 1) to access renied (item 2), it s(item 3), and enter your answer in this s s(item 3), and enter your answer in this s set grains, wheat, erc.?	None 810 t None None 811 None 812 i Bill i Bill i Bill i Bill i Yes<2 □
 Land owned	Include land worked on shares or share- late, and railroad land; and land used ren per-head basis under a grazing permit.). Inde land subleased and land worked dwned (item 1) to access rented (item 2), it s(item 3), and enter your answer in this of "LACE" for this census report. e diverted under soil bank or other Nor- bed grains, wheat, etc.?	None 810 t None 811 811 t B11 None 812 None 812 None 813 ie 815 iii Yes 2 □ No ie 817 Persons Persons ie 818 Acres t land in 1969 or if the answer remaon, please skip to page 4, form.
 Land owned Land rented or lessed from others - cropped for others, leased Federal, S free. (Do not include land used on a 3. Land rented or lessed to others - Int on shares or share-cropped by others Total adves - Pleuse ADD acres SUBTRACT acress rented to other These are the ACRES in "THIS I 5. How many acress in THIS PLACE wer Federal programs such as those for fs Were there any real estate morrages contracts on any part of the land and How many persons rented or lessed 1 those working land on shares. How many acress of the land you rent yout subsent or sublease to others? which was worked on shares by other acplication of the land you rent yout subsent or sublease to others? which was worked on shares by other acplication in the "Remarks" seep Section 3 - LOCATION of apricultural operation 	include land worked on shares or share- late, and railroad land; and land used ren per-head basis under a grazing permit.). lude land subleased and land worked a (item 3), and enter your answer in this of a (item 3), and enter your answer in this of ACE" for this census report. c diverted under soil bank or other Nor- bed grains, wheat, etc.?	None 810 t None 811 811 t B11 None 812 None 812 None 813 ie 815 iii Yes 2 □ No ie 817 Persons Persons ie 818 Acres t land in 1969 or if the answer remaon, please skip to page 4, form.
 Land owned	Include land worked on shares or share- late, and railroad land; and land used ren per-head basis under a grazing permit.). Inde land subleased and land worked dwned (item 1) to access rented (item 2), it s(item 3), and enter your answer in this of "LACE" for this census report. e diverted under soil bank or other Nor- bed grains, wheat, etc.?	None 810 t None 811 811 t B11 None 812 None 812 None 813 ie 815 iii Yes 2 □ No ie 817 Persons Persons ie 818 Acres t land in 1969 or if the answer remaon, please skip to page 4, form.

Short Report Form-Continued

	Acres	Quar	títv
	harvested	harve	
	820	821	
 Field corn for grain - Report quantity on a shelled basis and in one unit only - either bushels or hundredweight 		822 or	Bushels
		OLE .	Hundred- weight
	823		
2. Field corn for silage, cut for green or dry fodder, hogged or	·		
grazed (Do not include acres already reported in item 1)			
	824	825	
 Sorghums for grain or seed - Report quantity harvested in one unit only - either bushels or pounds 			Bushels
		826	Pounds
	827		minni
4. Sorghums for silage, cut for dry forage or hay, or hogged or	061		
grazed (Do not include here acres already reported in item 3.)	·····		
	828	829	
5. Wheat for grain		mmmmm	Bushels
6 Other small aming for stain parts barlets the sign are	830		
6. Other small grains for grain – oats, barley, rye, rice, etc			
7 Southeans for beans	831	832	
7. Soybeans for beans			Bushels
8. Hay-all kinds except sorghum hay (If two or more cuttings	833	834	
were made from the same land, REPORT ACRES ONLY ONCE, but report total tons of all cuttings,)	•		Tons,
our report total tons of all culturys, /	20F		dry
9. Cotton	835	836	Bales
	837	836	Jaies
0. Peanuts for nuts	837	828	· •
U. Feanurs for nuts			Pounds
	· · · ·	- eaths	
NOTE: For items 11 through 16, report whole acres and tenths	·		• .
	639	840	
1. Tobacco – all types			Pounds
	841	SIIIIIIIII	
2. Irish potatoes and sweetpotatoes			
	842	<i>\////////////////////////////////////</i>	
3. Vegetables, sweet corn, or melons for sale	and the second s		
	843	XIIIIII	
4. Berries for sale			
 Land in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees of all ages - Include land on 	844		
which the fruit crop failed. (Do not include abandoned plantings.)		SUMMUMU	
6. All other crops - Include field seeds, sugar crops, garden.	845		
nursery and greenhouse products, sod, etc	1		
		<u>service and a service and a service and a service a ser</u>	~~~~~
7. If any greenhouse products were sold, how many square		846	*
feet were under glass or other protection?	* * * * * * * * * * * * * * *	•] •	Square feet
ction 5 - Land USE in 1969 - The purpose of this section is to dis	stribute all acres in	this place	
among items 1 through 5.			
1. Cropland harvested - Include all land from which crops were had	mested or han	n se Alexan	19 C 20
was cut, and all land in orchards, citrus groves, vineyards, and	l nursery and	860	· · · · · · · · · · · · · · · · · · ·
greenhouse products. (If two crops were harvested from the sat report the acres only once.)	me land in 1969,		
TO DUIS THE WITE O DING UND UNCENT + + + + + + + + + + + + + + + + + + +	2 - 3 - 7 - 1 - 1 - 1 - 7 - 7 - 7 - 7 - 7 - 7	861	Acres
2. Cropland used only for pasture or grazing		1	Acres
	· • • • • • • • • • • • • • • • • • • •	852	
3. All other cropland - Include cropland used for soil-improvement	crops, crop		
failure. cultivated summer fallow, and idle cropland	i en	863	Acres
4. Woodland - Include woodland pasture	an a		Acres
	and Territory and some	864	
 All other land - Include pastureland other than cropland and we rangeland, and land in house lots, barn lots, ponds, roads, was 	teland, etc.		يندينية. محمد م
· · · · · · · · · · · · · · · · · · ·		865	Acres
6. Total acres in this place - Please add the acres reported in its through 5 and enter the total in this	ems 1 space		ٹر کی ہے۔ ایک ہے کہ ایک مراقعہ م رکب
UNDOWNIND WHEN CINES UNDER SIN WIND		1	Total acres
(This total should be the same as the total in section 2, item 4.	Alter and the second second	1	
(This total should be the same as the total in section 2, item 4.		866	24,44

Section 4 - CROPS harvested for any purpose from this place in 1969 - Report all crops harvested. Include crops grown under contract. Be sure to include landlord's share.

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Short Report Form-Continued

	.*		Number on Decembe	nas pla 31, 196		nbersold 1969
. Cattle and calves of all ages	· · · · · · · · · · · · · · · · · · ·		870		871	
	<i></i>		B 72			///////////////////////////////////////
g. Cows - Include dry cows and heifers that ha	id calved		1			
(1) Of the total cows reported in item Ia, how	w many were		873		///////	
kept for milk production? - Include dry m						
milk heifers that had calved					- X///////	
	et d'anne		874		875	
2. Hogs and pigs of all ages					1	
			V/////////////////////////////////////	///////	876	
a. Of the total sold, how many were sold as fee further feeding?						
turmer recump,			877		878	
3. Sheep and lambs of all ages			B'//		676	
			879		880	
4. Horses and ponies of all ages						
5. Hens and pullets of laying age (Exclude starte	d millets heine	,	881		682	
raised for sale.)			1			
			883		884	
6. Any other chickens 3 months old or older (roost						
started pullets)			ļ			
7 Brollow and ather meantains this have loss that	a 2 months old		885		886	
7. Broilers and other meat-type chickens less that		• • • •	L			
8. Other livestock and poultry - goats, mules, fur-						
animals, turkeys, ducks, geese, hives of bees,	eic,		887		888	
What kind?			887		888	
· · · · · · · · · · · · · · · · · · ·			L			
0. I have after freewood on able along how the					Number	of litters
9. Litters of pigs farrowed on this place between -					889	
a. December 1, 1968, and May 31, 1969					003	
and a second of a start of a star	•••••••••		• • • • • • • • •			
					890	a
b. June 1, 1969, and November 30, 1969	1969 - Report	expen	ses paid by	you an	890 	- your us
b. June 1, 1969, and November 30, 1969	1969 – Report	expen	ses paid by	you an	890 	us
b. June 1, 1969, and November 30, 1969 ction 7 - Production EXPENSES for this place in landlord, contractors, buyers, etc for cr	1969 – Report	expen	ses paid by	you an	d by others - roduced on th	us
 b. June 1, 1969, and November 30, 1969 interior 7 - Production EXPENSES for this place in landlord, contractors, buyers, etc for cr place. Use estimates if exact figures ar 1. Livestock and poultry purchased - cartle, calve 	1969 – Report rops, livestock, e not available	expen , or liv	ses paid by vestock pro	you an ducts p	d by others - roduced on the centry of the c	nis REQUIRE
b. June 1, 1969, and November 30, 1969 action 7 - Production EXPENSES for this place in landlord, contractors, buyers, etc for cr	1969 – Report rops, livestock, e not available	expen , or liv	ses paid by vestock pro	you an ducts p	d by others roduced on the CENTS NOT Dollars	nis REQUIRE
 b. June 1, 1969, and November 30, 1969 b. June 1, 1969<!--</td--><td>1969 - Report rops, livestock, e not available es, hogs, pigs, s ted pullets, ecc</td><td>expen or liv</td><td>ses paid by vestock pro</td><td>you and ducts pr</td><td>d by others roduced on the CENTS NOT Dollars</td><td>us REQUIRE</td>	1969 - Report rops, livestock, e not available es, hogs, pigs, s ted pullets, ecc	expen or liv	ses paid by vestock pro	you and ducts pr	d by others roduced on the CENTS NOT Dollars	us REQUIRE
 b. June 1, 1969, and November 30, 1969 b. June 1, 1969, and November 30, 1969 b. June 1, 1969, and November 30, 1969 b. June 1, 1969, and November 30, 1969	1969 – Report rops, livestock, e not available es, hogs, pigs, i ted pullets, etc - grain, hay, sil	expen or liv	ses paid by vestock pro	you and ducts pr	d by others - roduced on the CENTS NOT Dollars 500	us REQUIRE
 b. June 1, 1969, and November 30, 1969 b. June 1, 1969 b. J	1969 – Report rops, livestock, e not available es, hogs, pigs, i ted pullets, etc - grain, hay, sil	expen , or liv sheep	ses paid by vestock pro	you and ducts pr	d by others - roduced on the CENTS NOT Dollars 500	us REQUIRE
 b. June 1, 1969, and November 30, 1969 b. June 1, 1969, and November 30, 1969	1969 - Report rops, livestock, e not available ts, hogs, pigs, ted pullets, etc - grain, hay, sil	expen , or liv sheep	ses paid by vestock pro	you and ducts pr	d by others - roduced on th CENTS NOT Dollars 900 \$ 901 \$	us REQUIRE
 b. June 1, 1969, and November 30, 1969 contract of post of the state of th	1969 - Report rops, livestock, e not available s, hogs, pigs, i ted pullets, etc - grain, hay, sil	expen or liv	ses paid by vestock pro	you an ducts pr	d by others - roduced on th CENTS NOT Dollars 900 \$ 901 \$	us REQUIRE
 b. June 1, 1969, and November 30, 1969 c. Jrotal contractors, buyers, etc. figures ar c. Livestock and poultry purchased - cartle, calve lambs, goats, horses, baby chicks, poults, star c. Total feed purchased for livestock and poultry mixed feeds, concentrates, etc	1969 - Report rops, livestock, e not available ts, hogs, pigs, ted pullets, etc - grain, hay, sil	sheep	ses paid by vestock pro	you an ducts pr	d by others - roduced on th CENTS NOT Dollars 900 \$ 901 \$	us REQUIRE
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Section 6 - LIVESTOCK and POULTRY - Be sure to report all livestock and poultry on this place on

912 \$

11. Total production expenses - Add dollars for items 1 through 10 and enter total here _____

.

Short Report Form-Continued

crops, livestock, livestock products, etc Include market value of land	llord's	and con	tractor's s	hare.
			llars	Cents
1. Livestock, poultry, and their products		920 S		
2. Crops including nursery products and hay sold		921		i i
3. Forest products - firewood, fuelwood, fenceposts, sawlogs, Christmas trees,		922		
gum for naval stores, standing timber or trees, maple products, etc.	• • • • •	923		
4. Total market value of all agricultural products sold, before taxes and expenses – Add dollars for items 1 through 3 and enter total here	<u>, star</u> t j	8		
Section 9 - FARM-RELATED INCOME received in 1969 - Report amount received L	efore to	CENTS	l expense NOT REQ ollars	
1. Customwork and other agricultural services provided for others - playing, planting, spraying, harvesting, preparation of products for market, etc.		930 S		1
2. Recreational services - providing hunting, fishing, picnicking, camping, boarding and lodging, or other recreational facilities on this place		931 \$		1
3. Payments you received for participation in government farm programs (Do not include redeemable loans.).		932		
Section 10 - MACHINERY and EQUIPMENT on this place on December 37, 1969, w		wned by	you or b	Y
others - Include only equipment used in 1968 or 1969.	Nún	uber mana	actured in	n
Selected machinery and equipment on this place December 31, 1969	and the second second	or later	1964 or	earlier
1. Automobiles	940		941	
2. Motortrucks – Include pičkups	942		943	
3. Tractors other than garden tractors and motor tillers	944		945	
4. Riding garden tractors 7 hp. and over	946		947	
5. Grain and bean combines - self-propelled only	948		949	
6. Compickers and picker-shellers, including corn heads for combines	950		951	
7 Dialous balance	952		953	
7. Pickup balers	Ŀ.,		<u> </u>	
8. Estimated market value of all machinery and equipment usually kept on			5 NOT RE ollers	QUIRED
this place and used for the farm business - Include the items listed above and any other machinery and equipment		954 S		i i
Section 11 - VALUE of land and BUILDINGS on this place		CENTS	NOT REG	UIRED
1. Please enter your estimate of the current market value of		L	ollars	Cents
the acres you operated (owned and rented acres in section 2, item 4) and the buildings on them		960 S		
Section 12 - FARM OPERATOR CHARACTERISTICS				
1. Does the operator – the person in charge of the farm 970 or ranch operations – live on this place?] Yes		2 📋 No	
971 2. Year operator began to operate any part of this place		Year		
3. Operator's age		Year	s old	
973 4. Race – Mark (X) the appropriate box 1 🗍 White 2 🛄 Negro or black 3	🔲 Ind	ian (Am	er.) 4 [] Othe
5. Number of days operator worked off this place in 1969 - Include work at a nonf or on someone else's farm. (Do not include exchange work.) Mark (X) the appr			ss or prof	ession,
974 1 None 2] 1-49 days 3] 50-99 days 4 100-199 days			ays or mo	re
Section 13 - SIGNATURE of person filling this report - Please check your answers, then sign below. 975 976	Area c		lephone -	
Name Date Date				

Section 8 - MARKET VALUE, before taxes and expenses, of garicultural products sold from this place in 1969.

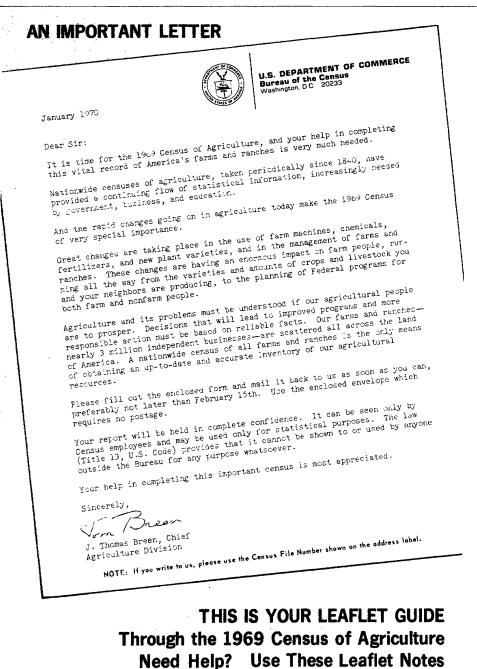
Remarks - Attach separate sheet, if needed.

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Leaflet Guide



Leaflet Introduction

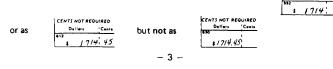
FIRST, SOME GENERAL INFORMATION

- The enclosed Census report form is being used by farms and ranches throughout the entire United States. Because it is meant for use in all parts of the country, it may contain sections and inquiries which do not apply to you. Where this is the case, you can simply mark the "No" box and go on to the next section.
- If a section contains inquiries that apply to you, it may be helpful to read all the items in the section before you start to supply the information. A look at the section as a whole will show what is to be reported and where it should be written.
- You will also find that there are items within sections you may not need to read, beyond noting the subject with which they deal. For instance, item 9 in section 1 asks several questions about landlords. If you did not rent any land from others, you can skip all of the detail in item 9 and go to item 10.
- There is a possibility that you may receive more than one envelope containing a census report form for this place (a duplicate, or in your wife's name, your partner's name, etc.). If this should happen, please fill out one form only. Mark the extra form or forms with the Census File Number of the form you complete (for example, "Extra-See No. 86312 09812") and return the extras in the envelope with the completed report. There is a "File Copy" enclosed in each envelope; this is for your use and should not be returned to the Bureau of the Census.

If your wife, or a partner, runs a separate agriculture operation of her or his own, it should be reported on a separate form.

HOW TO MARK YOUR ANSWERS

- Please put your answers only in the unshaded answer spaces. Write any explanations and comments in the shaded areas to the left of the answer spaces or in the "Remarks" space on page 12 or on a separate sheet.
- If your answer to an item is "No" or "None," please leave the answer spaces blank; except for the few places where a small answer box is provided, as for "None" in section 1. Please mark an answer of "Yes," "No," or "None" with an X in the box.
- If you do not have exact figures available, please report your best estimate. You may
 mark the answer "est." (for "estimated") if you wish.



Do not include fractions in your answers except where called for. Where fractions are called for, report the fraction in tenths of the whole number, and enter the fraction in the "tenths" part of the answer space. Some common fractions which you can report in "tenths" are:

6/10

Report	1/8 as 1/10	3/8 as 4/10	5/8	as
	1/6 as 2/10	5/6 as 8/10		
	1/4 as 2/10	3/4 as 8/10		
	1/3 as 3/10	2/3 as 7/10		
Exampl	e for 3½ tons o	of fertilizer	•••*h= -5/10	

If you prefer, report to the nearest whole number; fractions are not required.

. HOW TO USE THIS LEAFLET

This leaflet is for your use; do not return it with your Census of Agriculture report. It gives answers to the questions that come up most often when the report is being prepared.

Like the form, this leaflet is being used in all parts of the United States, and it contains much information that will not apply to your place. For example, section 4 of this leaflet gives additional information about reporting irrigation water in section 4 of the report. If you did not irrigate in 1969, you should answer the first two questions and you'll not need to read the corresponding page of this leaflet.

The rest of this leaflet is information to help you, organized by sections to correspond with the sections of the census report form.

Now you will want to start filling out the report form. As you answer the items in each section, you will find substantial help in the corresponding section of this leaflet.

SECTION 1 ACREAGE IN 1969, OWNERSHIP, AND LAND VALUE

Part A Use items 1, 2, and 3 to arrive at the acres of land for which you should complete the Census report form. Include all agricultural land with which you were associated in 1969, regardless of where the land was located. Do not include holdings of residential or commercial properties not associated with agricultural operations. Report all land in whole acres; if you had less than one acre report it as one acre.

Places no longer operated on December 31, 1969 - If you had agricultural operations at any time during 1969, complete the report, giving information on the land you operated and your 1969 crop and livestock production and sales from that land. Normally you would not be expected to report inventories of poultry, livestock, machinery, or equipment. Please explain in the "Remarks" section on page 12 or on a separate sheet that you quit farming or ranching during 1969 and give the approximate date.

Other changes in land operated during 1969 - If part of the land you used during 1969 was no longer in your possession on December 31, 1969, include that land and your 1969 crop and livestock operations on that land in your report. If you acquired land during 1969 for your own use but did not use it for crops or livestock that year, do not include that land in your report.

- 4 -

Please explain the change in acres during 1969 by making a notation in the "Remarks" section on page 12, or on a separate sheet. Statements such as the following can be used:

My report includes_____acres I used in 1969 but which I did not have on December 31, 1969.

or

My report does not include_____acres acquired before January 1, 1970, but not used by me in 1969.

- Item 1 Land owned Include all land associated with agricultural operations in 1969, 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 partnerships or organizations for which you are reporting. This acreage is considered in figuring the size of 'This Place' (item 4, section 1).
- Item 2 Land rented or leased from others If you rented land from others or worked land on a share basis in 1969, you should report this land as rented by you even though the landlord may have supplied equipment, fertilizer or other materials, and some supervision of your work. Include Federal lands rented or leased by the acre in this item, but not land used on a per-head or animal-unit basis (see "Grazing permit" on page 6).

Item 3 Land rented or leased to others

Include in item 3:

- Owned land rented to others for cash or a share of the crops or livestock.
- Land which you rented from others and then subleased to others in 1969.
- Land rented out for residential or other nonfarm purposes (if it was included in item 1 or 2).
- Land worked for you by someone else on a share-of-the-crop basis.

Do not include in item 3:

 Land on which you yourself had any crops or livestock during 1969, even though it was rented to others for part of the year.

In the remaining sections of the questionnaire, do not report any crops or livestock on land reported in item 3 as rented or leased to others.

Item 4 Acres in this place - This is the sum of the land you owned in 1969 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 the remainder of the form applies only to the resulting net figure - the "Acres in this place." That is, your report should cover only the operations on "Acres in this place." as reported in item 4.

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Leaflet Guide-Continued

SECTION LAND USE IN 1969 Item 10 Grazing permit - In some States, government lands are used for grazing livestock under permit or special license, payment being made on a per-head or animal-unit 3 basis. This land should not be included as part of item 2, "Land rented or leased," or These land-use items apply only to the land you reported as "Acres in this place" in item 4, "Acres in this place." Report it only in item 10, But if any of your livestock section 1, item 4. If part of your land was used for more than one purpose in 1969, were located on such land in 1969, they should be included in your report. report such land only on the line for the first item which fits one of the purposes, and not on the line for the second purpose. For example, if you harvested a grain crop and later let cattle graze on the stubble, report the land as harvested cropland, SECTION 1 SHOULD YOU COMPLETE THE REST OF THIS FORM? but not as cropland used only for pasture or grazing. Please report in whole acres. PART C YES, if at any time during 1969 there were on this place: Cropland harvested - This includes acreage from which you cut either wild or tame Item 1a hay, land in greenhouses, nurseries, or sod, and land in orchards, groves, and Any livestock or poultry or their products. vineyards (both bearing and nonbearing) unless the trees or plantings have been • Any corn, sorghums, small grains, hay, cotton, tobacco, soybeans, peanuts, abandoned. potatoes, or sugar crops. Item 1b Pastureland - Cropland from which you did not take a crop or cut hay in 1969, but • Any vegetables, melons, or berries grown for sale. which you used for pasture is to be reported in item 1b. Woodland in which A combined total of 20 or more fruit trees (including citrus), nut trees, and livestock were allowed to graze in 1969 is to be reported as woodland pastured in grapevines. item 2a. • Any nursery or greenhouse products, mushrooms, or sod. Report in item 3 land (other than cropland or woodland) that could be used as Any other crons • Any other agricultural products - horses, fur-bearing animals in captivity, pastureland or rangeland, whether or not livestock actually grazed on it in 1969. bees, honey, maple products, naval stores, Christmas trees or timber for Item 1d Crop failure - If all of a crop failed (except fruit or nuts in an orchard, grove, or sale, etc. vinevard being maintained for production) and you did not harvest any other crop NO, if from this land, and did not pasture or graze it, report the acres in item 1d "crop failure." If only part of the acreage of a crop was harvested, be sure to report only • You reported an acreage in section 1, item 4, but had no agricultural the harvested acreage in item 1a of section 3 and for the appropriate crop in sections operations in 1969, on that land, or 8 through 23. Item 1e Cultivated summer fallow - Report as fallow all cropland that was plowed and • All your land was operated by a renter or sharecropper and hence the entry in section 1, item 4 is "0." cultivated or on which the growth of weeds was controlled through the use of herbicides, but which was left unseeded for 1969 harvest for the purpose of conserving moisture. Include such cropland as cultivated summer fallow even if in either case, you should: during 1969 it was planted to wheat for harvest in 1970. 1. Skip to page 12 and complete section 39. SECTION 4 IRRIGATION 2. Explain briefly in the "Remarks" space. For example, "All land rented out;" "Sold farm in 1968;" "House lot only-no crops or livestock," Item 4 Source of water in 1969 - Most irrigators will have received water from only one 3. Mail the form in the return envelope provided. source. If this is true in your case, enter 100 percent on the proper line. If you obtained water from two of the three sources, an approximate figure for each source SECTION 2 For item 2 of this section we need the name of the geographic area or political subdivision (within the county or parish) where your principal agricultural is acceptable, for example, 30 percent, 70 percent, etc. One way of making such an operations are located. Some examples of the type of area or subdivision we mean estimate is to figure your acreage irrigated from each source as a percent. For are shown on the report form; some other term may be used in your State such as: exemple, 20% of the cropland harvested irrigated from your own well; 80% of the cropland harvested irrigated with water from a water supply organization. Borough Militia district Estimated quantity of water used in 1969 - If you can estimate the total quantity of City National park Item 5 Civil district Patent irrigation water used by any one of the methods shown, report only by that method Civil township Plantation - in item a, b, or c. If it is easier for you to estimate part of the water used by one Election precinct Purchase method and part by another, use the lines which apply. Grant School district Acre-feet - Many irrigation districts measure water in acre-feet and the amount used Indian reservation Surplus is shown in acre-feet on their bills. Where you are not billed for water in this Judicial township Town manner, you may prefer to give the depth applied in inches during the full season Justice precinct Tract and the acres covered, as called for in item 5c. We will compute the acre-feet from Location Unorganized township this information. (Item 5 discussion continued on next page.) Magisterial district - 7 -- 6 -

Leaflet Guide – Continued

Gallons - Estimates in gallons must usually be figured if you have your own pump. If you know the rate of flow through your pump, use that. Otherwise, use the manufacturer's rated capacity for the pump. This is given in gallons per minute.

To make an estimate of gallons for the season, you can substitute in the following example, the rated capacity of your pump, the approximate number of hours you pumped per day, and the estimated number of days the pump operated during the year.

	EXAMPLE
Step 1. Compute gallons per hour -	100 gallons per minute times 60=
	6,000 gallons per hour
Step 2. Compute gallons per day -	20 hours pumped times 6,000=
	120,000 gallons per day
Step 3. Compute gallons per season -	96 days pump operated times 120,000=
	11,520,000 gallons per year
Step 4. Enter 11,520,000 for item 5b).

When a sprinkler system is used, it may be simpler to estimate depth of water applied during the season in inches and report acres covered.

Other methods of reporting total quantity - In some areas miners inches are used to measure water use. In other areas cubic feet per second (second feet) are a common measure of flow. If you use either of these measures, please report this information in the "Remarks" section at the end of the form, or on a separate sheet, rather than in item 5. If you report in either miners inches or cubic feet per second, please don't forget to report also how many hours or days water was delivered at the given rate.

If you are not able to report the actual amount or an estimate of the water quantity, please give as many facts as you can in the "Remarks" section (page 12) or on an attached sheet of paper. Following are examples of helpful items: number of wells, their depth, diameter and measured rate of flow; allowable diversion rate from streams; capacity of pump or diameter of pump outlet; days operated per season or number of times irrigated; whether land is irrigated before planting; and so on.

SECTION 5 ARTIFICIAL DRAINAGE

Acreages reported in this section should be your estimate of the amount of land on this place in 1969 which was benefited to some extent by artificial drainage facilities. Even though your whole place may be in a drainage district, report only that part which is artificially drained. Acres drained by more than one system should be reported only once, for the most important one. However, if different parts of this place had different types of drainage systems, you will have entries in more than one than one than one than one them.

SECTIONS CROPS HARVESTED IN 1969-GENERAL INFORMATION 8-23

How and where to report - You will find it easier to report your crops if you glance through pages 3 to 8 of the reporting form and read the paragraphs on pages 9 to 11 of this leaflet, before you begin to fill in your answers.

- 8 -

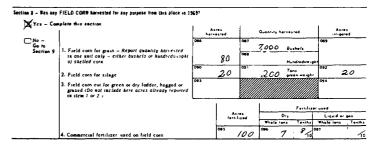
CROPS,
GENERAL-Report in each section only the crops called for there. For example, field corn is to
be reported in section 8, wheat in section 10, Irish potatoes in section 13, and
vegetables for sale in section 21. Section 23 is the place to report any crop not asked
for in sections 8-22.

Do not include in your report any crops on land that in 1969 was rented or leased to others or worked on shares by others. Your report should cover only the crops on the "acres in this place," as reported in item 4 of section 1. The next 6 pages of this leaflet contain general information about the reporting of crops, and a discussion of some special crop reporting problems. Table 1, at the end of this leaflet provides a listing of conversion factors for the crops most commonly grown.

. HOW TO REPORT CROPS HARVESTED - AN EXAMPLE

A farmer planted 100 acres of field corn. He irrigated 20 acres and cut them for silage; he estimated the production at 200 tons. Using a corn head on his combine, he harvested 80 acres, getting 7,000 bushels of shelled corn. He turned his cattle into the 100 acres after the harvest and let them graze. All 100 acres were fertilized, using 7 8/10 tons of dry fertilizer.

His entries on the Census report are shown in the following illustration.



- a. Item 1 calls for grain or seed, so he entered 80 in the "Acres harvested" column and 7,000 in the bushels space in the "Quantity harvested" column. The 80 acres for grain were not irrigated so he made no entry in the "Acres irrigated" column.
- b. For item 2, Corn for silage, he entered 20 acres harvested, 200 tons quantity harvested, and 20 acres irrigated.
- c. Since letting the cattle graze was a secondary use of land already harvested, he did not make any entry in item 3.
- d. In item 4, he entered 100 for "Acres fertilized," entered 7 for whole tons, and 8 for tenths in the "Dry" space.

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Leaflet Guide-Continued

CROPS, GENERAL Continued	 COMMERCIAL FERTILIZER For each crop, report the number of acres fertilized in 1969, and report the total tons and tenths of tons used in all applications. Report the total weight of the fertilizer, including filler. Report anhydrous ammonia in the "Liquid or gas" column. If you bought fertilizer on an analysis basis and do not know the total tons used, the following example will show you how to estimate the total tons of fertilizer. 	CROPS, GENERAL- Continued	 In such a case the acres of crops harvested may be greater than the acres of land reported in item 1a of section 3 (land use). <i>Example</i> 2: A 10-acre field of red clover was cut for hay in 1969. The same 10 acres was later harvested for seed. Ten acres for hay should be reported in section 14, item 2. Ten acres for seed should be reported in section 15, item 1.
	to towing example with show you now to estimate the total tons of returizer.		INTERPLANTED CROPS AND "SKIP-ROW" PLANTING
	Example 1: A farmer fertilized 70 acres of corn at the rate of 100 pounds of N (nitrogen) per acre and used an analysis of 33-0-0, as recommended by the fertilizer dealer.		If you grew two crops in alternate strips in the same field at the same time, report for each crop the part of the field used for that crop.
	To find the total tons of fertilizer used including filler: 1. Divide the 100 pounds of nitrogen by the percent of nitrogen in the analysis, in this case 33, to get the total pounds of fertilizer per acre.		<i>Example</i> 1: If a 40-acre tract of land was planted in cotton and soybeans, with two rows of cotton followed by an area of the same width planted in soybeans for beans, 20 acres should be reported for beans in section 11, item 1, and 20 acres should be reported for cotton in section 12, item 1.
	 Multiply the pounds per acre (obtained in step 1) by 70 acres to get total pounds of fertilizer used. Convert pounds to tons by dividing by 2,000. 		Example 2: If you planted "skip" rows in soil-improvement crops, report the harvested portion of the field in the proper crop item and in section 3, item 1a, and the soil-improvement acreage in section 3, item 1c.
	 (1) 100 (pounds of N) = 10,000 = 303 (ibs. per acre) .33 (% of N in analysis) 33 (2) 303 x 70 (acres) = 21,210 pounds. (3) 21,210 + 2,000 = 10 6/10 tons. 	-	<i>Example</i> 3: If you left "skip" rows idle, report the harvested portion of the acres in the proper crop item and in section 3, item 1a, and the idle acres in section 3, item 1f.
	If you don't know the percent analysis of nitrogen, but do know the phosphorus (P_2O_5) or potash (K_2O) , work the estimate in the same way as when nitrogen is the known factor. If you know much fertilizer was applied per acre, but don't know the total trace we the method is this approach.		• CROPS HARVESTED IN ORCHARDS If approximately 4 acres of tomatoes were grown among the trees in a 10-acre apple orchard, you'd still report all 10 acres as orchard acres in section 16, item 1, and also as apple acreage in section 17, item 1. Report the 4 acres of tomatoes in section 21, item 1.
	tons, use the method in this example. <i>Example</i> 2: Sixty-five acres of corn were fertilized with 150 pounds of fertilizer per acre.		• REPORTING UNIT FOR QUANTITY HARVESTED The units of measure given on the report form for quantity of each crop harvested
	 To find the total tons of fertilizer used, multiply the 65 acres fertilized times the 150 pounds of fertilizer used per acre. This gives the total pounds of fertilizer used. Then divide by 2,000 to get the total tons. a. Multiply 65 acres fertilized by 150 pounds of fertilizer per acre to get 9,750. b. Divide 9,750 total pounds of fertilizer by 2,000 to get 4.875. c. Enter 4 9/10 tons. 		are, in general, those most commonly used throughout the country. For corn, grain sorghums, rice, grapes, prunes, and figs, a choice of two or more units is provided. If you happen to use in your records a unit different from what is printed on the form, please convert your figure on quantity harvested, to the unit shown. For your convenience, we have printed table 1 at the end of this leaflet, showing approximate weight per unit for the crops most frequently reported. Use these if you do not have
•	TWO OR MORE CROPS HARVESTED FROM THE SAME LAND		more accurate information available.
	 Example 1. A farmer had a 20-acre field: a. He harvested oats from the 20 acres in 1969. b. He then planted the 20 acres in soybeans and harvested them during the same year. 	SECTION	Now you will want to start filling out the crops sections of the report form, referring to this leaflet, if necessary. HAY AND SILAGE HARVESTED FROM THE SAME LAND
	He should report: 1. The 20 acres of oats in section 10, item 4. 2. The 20 acres of soybeans in section 11, item 1.	14	If you made one cutting of alfalfa for hay and another cutting for green feed, report the acres for the alfalfa cut for hay in item 1 of section 14, and report the acres again for hay crops cut and fed green in item 9 of the same section. - 11 -
	- 10 -		~ 11 -

Leaflet Guide-Continued

SECTION 15	FIELD SEEDS				SECTION 17	NONCITRUS FRUIT TREES OR GRAPEVINES
	14 because hay also was o general purpose of getting fertilized" and the quantit	ut from the sa better product ty of fertilizer u	Is often will have been repor me land. If you fertilized the ion of both hay and seed, rep used only in section 14, item	e fields for the port the ''acres 10. But if you	item 8	Avocados - In California, report the quantity harvested between October 1, 1968, and September 30, 1969. In Florida, report the quantity harvested or to be harvested between July 1, 1969, and February 28, 1970.
Item 9			fit of the seed crop, report weight (in tons) of fertilizer a		ltems 10 and 11	Grapes - Report raisin grapes on either a fresh-weight or dry-weight basis, according to how you sold them. If you sold raisin grapes by both methods, please convert to one basis. One pound of raisins usually equals about 4 3/10 pounds of fresh grapes.
SECTIONS 16-19.	ORCHARDS FRUIT TR	EES, NUT TR	EES, AND GRAPEVINES			Report all other grapes on a fresh-weight basis.
GENERAL	In counting the combined as those maintained for sal		nd vines, include those for ho tion.	me use as well		Please separate the European-type grapes among items 11a, 11b, and 11c of section 17 on the basis of variety and not on the basis of use. Some of the common varieties are as follows:
	include orchard and grove unsatisfactory prices, labo have been abandoned.	acreage from w r shortage, etc.	eather damage, did not bear hich the crop was not harves Do not include acres in tree	ted because of is or vines that		 Raisin varieties - Black Corinth, Muscat, Sultana, and Thompson Seedless. Table varieties - Emperor, Malaga, Red Malaga, Ribier, and Tokay. Wine varieties - Alicante Bouschet, Carignane, Grenache, Mission, Palomino, Petite Sirah, and Zinfandel.
	crops, estimate the orchard usual number of such trees When you need to estima	d acreage by div s per acre in you ate the acres in	fruit and nut trees, first find	h trees by the d the planting	item 15	Olives - In California and Arizona, report the quantity harvested or to be harvested from the bloom of 1969 for the 1969-70 harvest season - September 15, 1969, to about February 28, 1970. In all other States report the total 1969 crop.
	that corresponds with the result represents the approximation of the terms of	e planting dista oximate acreage	tal number of trees by the nu ince, as given in the followi For example, 700 trees pla	ng table. The	SECTION 19	NUT TREES
	25 feet apart, (70 trees per Nur		present 10 acres. d nut trees per acre		Item 4	Pecans - Improved pecans refer to pecan trees that have been budded, grafted or top worked. Consider all other pecan trees as wild or seedling, whether grown in orchards, pastures, etc.
	Planting distance (feet)	Number per acre	Planting distance (feet)	Number per acre	Item 6	For quantity of tung nuts harvested, report pounds in the husk. For all other tree
	8 x 8	680	22 x 24	82		nuts, report quantity in the shell.
	8 x 10	545	24 x 24	75	Item 7	Report planted black walnuts in item 7, Do not report wild black walnuts.
	8 x 12	454	25 x 25	70	1001117	
	9x 9	538	26 × 26	64		
	10 x 10	436	27 x 27	60	SECTION	VEGETABLES, SWEET CORN, OR MELONS
	10 x 12	363	28 x 28	56	21	
	12 x 12	302	28 x 30	52		Report vegetable crops harvested in the calendar year 1969 for all States except
	12 x 14	259	30 x 30	48		Florida. For Florida, report any vegetable crops that were harvested between
	14 x 14	222	32 x 32	43		October 1, 1968, and September 30, 1969.
	15 x 15	194	35 x 35	35		
	16 x 16	170	36 x 36	34		Description and the sector of the first state of th
	18 x 18	134	40 x 40	27		Report the entire acreage of each vegetable crop harvested. For example, if you
	18 x 20	121	40 x 45	· 24		harvested three acres of radishes from a field in 1969, then replanted the field to
	18 x 22	110	45 x 45	22		radishes and harvested the three acres again, report 6 acres harvested in section 21,
	20 × 20	109	45 x 50	19		item 15, No. 350. (If crops are grown, such as radishes, which are included in the
	20 x 22	99	50 × 50	17		"Other vegetable crops" list, below item 15 in section 21, write the name of the
	20 x 24	91	55 x 50	16		crop and the code number (Radishes350) in the spaces provided in item 15.) If
	22 × 22	90	60 x 60	12		each crop of radishes was fertilized, report only 3 acres fertilized but report the total tons of all fertilizer used.
		- 12 -				– 13 –

SECTION	NURSERY OR GREENHOUSE PRODUCTS GROWN FOR SALE	Item 1a	Hens and pullets of laying age - Include hens in molt with the other hens and pullets
22 Item 6	Mushrooms - Report the square feet of bed space used in 1969, multiplied by the		of laying age. In the "sold" column include any old or cull hens sold during 1969.
	number of times it was harvested. Do not report the total floor space of the building or other area where the mushrooms were grown. <i>For example</i> , if you harvested two crops of mushrooms from an area of 20,000 square feet of bed space, report 40,000	I tem 3b	Other turkeys - In the "sold" column, report turkeys sold for slaughter and those that were brooded and then moved to another place for further feeding.
	square feet of area used.	SECTION 26	CATTLE AND CALVES
SECTION 23	OTHER CROPS	Item 2	Milk cows - Include cows of any breed milked for home use or for sale.
25	In addition to the crops named in this section, also use section 23 to report any crops harvested that have not been accounted for in sections 8-22.	item 4	In the "Total number sold" answer spaces, include the cattle and calves sold for a landlord or given to a landlord or others in trade or in payment for goods and
	Sugarcane - The sugarcane growing season differs in each of the three growing areas in the United States. Report acres harvested (or to be harvested) during the current cutting season, as follows:		services. Include animals fed on this place under contract or on a custom basis if they were taken from this place in 1969. Do not include animals bought and resold within 30 days. Such transactions are considered to be "dealer" purchases and sales.
	In Florida, November 1969 through April 1970. In Louisiana, October 1969 through December 1969. In Hawaii, October 1, 1968, through September 30, 1969.		In the "Number fattened" answer spaces, report the number of head that were sold for slaughter after being fattened in the manner described, provided they were expected to produce carcasses that would grade "USDA Good" or better. Do not
	In Florida and Louisiana, report acres of sugarcane planted for harvest later than the current cutting season, as cropland idle, in section 3, item 1f. For Hawaii, special provision is made on the form for reporting sugarcane planted for future harvest.		report in this column veal calves which were fattened primarily on milk, or dairy cows fed only the usual dairy ration before being sold; do not include cattle or calves that have been fed grain or concentrates and sold for further feeding.
SECTION 24	FOREST PRODUCTS SOLD	SECTION 27 Item 1a	Hogs and pigs used or to be used for breeding - Include bred sows and bred gilts, other sows and gilts intended for breeding, and boars and young males to be used for breeding.
24	Report here, all forest products sold from this place in 1969, regardless of who made the sales. For example, sales made by the landlord should be included.	Item 3	• Hogs and pigs sold from this place in 1969 • Include all pigs born on this place that
SECTIONS 25-29.	POULTRY, CATTLE, HOGS, SHEEP, OTHER LIVESTOCK		were sold for slaughter or taken from this place for further feeding.
GENERAL SECTION 25	These items deal with the livestock and poultry on this place or sold from this place in 1969, regardless of ownership. If livestock or poultry were fed on this place on a contract or on a custom basis, report them as sold if they were taken from this place in 1969. Animals or poultry owned by you that were not on this place at any time in 1969 because they were fed for you by someone else, such as in a feedlot or poultryhouse, are not to be included in this report; they should be accounted for on the agriculture census report for the feedlot, poultryhouse, etc. Count as being on this place, animals that were owned by you or kept by you for others, but which on December 31, 1969, were on land used on a permit basis (national forestland; grazing district land; or rangeland administered by the Bureau of Land Management). See "Grazing permit," page 6 of this leaflet. Do not include in your report any livestock or poultry on land that in 1969 was rented or leased to others. Your report should cover only the livestock and poultry on the "Acres in This Place" as reported in item 4 of section 1. CHICKENS, TURKEYS, OTHER POULTRY For each item, report the number on this place December 31, 1969, no matter who owned them, and the number of poultry sold from this place, or taken from this	SECTION 30	CONTRACT OR BINDING AGREEMENT Many farm products are produced under a contract or binding agreement made between the producer and the person who buys or uses the farm product. These contracts or agreements usually specify the kind and amount of the farm product to be produced, where or to whom it is to be delivered, what price the producer is to be paid or how the price is to be determined. The contracts may specify the variety of crop or breed of animal or poultry to be produced, and may provide for services such as spraying, dusting, fertilizing, harvesting, packing, and selling. The contractor may supply seed, fertilizer, or feed. He may also provide financing and a field man to give advice and to inspect the product while it is being produced. Include contracts for the growing of heifers for dairy farms, contracts involving cow pools, milking pools, and cow-leasing agreements. In this section, include under the "Co-op" item, production contracts with a cooperative processor. Do not include contracts made by you to have someone else provide a service to you or grow or produce something for you. Report sales contracts or agreements providing just for the marketing or sale of a product, such as milk, as "Marketing or sales contracts or agreements." Also report
	place during 1969, including those raised or fed under a contract. Do not include any sales of baby chicks or poults.		under this same heading, marketing contracts and agreements with marketing associations and cooperatives. Usually very few or no services or supplies are provided by the buyer of the farm product under a sales contract or agreement.
	- 14 -		-15 -

	production or marketing of agricultural prod contracts not to be reported here are:		
	Rental of land	Hauling	
	Purchase of feed, fertilizer or other farm supplies	Labor wage agreements and financing of farm operations	
	Government program agreements	Agricultural services	Ite
	Customwork	Farm machinery rentals	
SECTION 31	MACHINERY AND EQUIPMENT		
	The items in this section refer to machinery used for the farm business in 1968 or 1969, re	and equipment kept on this place and gardless of ownership.	ite
item 12	Item 12 refers to the market value of all m items listed on the report form. The value y how much the machinery and equipment wou the replacement cost or the depreciated value.	you report should be your estimate of Id sell for in its present condition - not	
SECTION 32	HIRED WORKERS		Iter
	Do not include workers who did only contruc the production of crops or livestock. Do contractor, cooperative, processor, or dealer place. Report all other hired workers, includin paid wages, who did farm or ranch work on th	 not include employees of a labor who performed contract work on this ing members of your family if they were 	İter

If the sales contract or agreement provides also for supplying or furnishing feed,

Do not report contracts or agreements which do not provide specifically for the

seed, labor or equipment, report it as a production contract.

INSECTICIDES, HERBICIDES, FUNGICIDES, OTHER PESTICIDES, LIME SECTION 33 AND OTHER CHEMICALS

even though he may have worked several different times during the year.

For each item report only once the total acres treated, but give the total cost of materials used in all treatments. If you used a dual purpose chemical, report the total acres treated for each item (insect, disease, etc.), and divide the cost of materials between the items. If the same acreage was treated separately for two purposes, give acres and cost of materials for each item. For example, if cotton was treated for insects and then treated for defoliation, the acres and material cost for insect treatment would be reported under item 2b and the acres and material cost for defoliation would be reported in item 3.

Do not include the cost of chemically treated seed or the cost of chemicals used by you to treat seed prior to planting.

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SECTION PRODUCTION EXPENSES

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1	y	4	

include expenses paid by you and by anyone else for the production of crops, poultry, livestock, and other agricultural products on this place. Please give estimates if you do not know the exact figures. For example, if you grew broilers or fed cattle for others, include in the production expenses, item 1, your best estimate of the value of the baby chicks or cattle at the time they were brought to this place. Also include, in item 2, the value and amount of all feed purchased by you or someone else for use on this place.

Do not include expenses (or sales) related to nonfarm activities (trading and speculation, or livestock dealer activities).

Livestock and noultry - Report the total amount spent by you and by your landlord Item 1 or by others for all livestock and poultry bought during 1969 for production, including feeding, on this place. For livestock or poultry grown under contract or fed on a custom basis on this place, include your estimate of their value at the time they came on this place.

> Do not include the purchase cost of livestock or poultry bought and then resold within 30 days.

- Feed Report the cost of all feed for livestock and poultry during 1969. When feed tem 2 was supplied by others, as in broiler contracts, estimate the cost of the feed used on this place. Do not include the cost of feed for livestock fed off this place, but do include the cost of feed fed to cattle or sheep while they are on "permit" grazing land (see "Grazing permit," on page 6 of this leaflet).
- em 2a Commercially mixed formula feeds - Include all complete feeds, concentrates, feed additive supplements, base mixes and premixes fed in 1969. Include your best estimate of tons and value of feed furnished by others for livestock and poultry that were grown or fed on this place for others under contract.

am 10 All other production expenses

Include-Purchase of irrigation water Costs of operating and maintaining irrigation systems Farm electricity Veterinary services and medicine Hauling and other marketing charges Farm supplies Farm taxes Interest on farm debts All other farm-related expenditures

Do not include-

Value of the landlord's share of crops or livestock produced on this place Purchase of long-term assets, such as tractors and machinery, land, or new buildings Expenditures for construction of major improvements, such as drainage canals, irrigation systems, etc. Income taxes Interest on nonfarm loans - 17 -

SECTION 35	MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD These questions are asked to obtain a measure of the agricultural productivity of your county, State, and the entire United States. Information given in this report will be combined with that for other farms in your county and only totals will be published. By Federal law, the information you give in this report is confidential. Your report is to be used for statistical purposes only, and cannot be revealed to anyone who is not a Census employee. Census employees are under oath (with penalty for violation) not to reveal such information. Report the total gross value of all crops sold from this place in 1969, regardless of the year they were produced; and the value of all poultry, livestock, and their products sold from this place any time in 1969. Do not report your net income. Do	item 11	Other cattle and calves - Report the value of sales of all cattle and calves other than dairy animals sold from this place in 1969. Be sure to include the total value of sales without deducting cost of feed, cost of livestock purchased, or cost of hauling and selling, etc. If the sales price is not known, please give your best estimate of their market value when they left this place. The value of sales of cattle and calves bought and kept on this place less than 30 days before removal should not be included. Do not report the value of sales of livestock owned by you but held on and sold, from someone else's place. For example, do not report cattle purchased elsewhere, fed in, and sold for further feeding, give your best estimate of their market value when they left this place.
	not report value of sales from land which you rented to others. If you rent land from others or work land on shares for others, include the value of the landlord's share of any products removed from this place. If you operate as a partnership, include the total value of all products sold from this place for all partners. Include the value of crops you have placed under government loan or seal in 1969 along with the value of all crops sold.	Item 12	Hogs, sheep, and goats - Include the value of all hogs and pigs, sheep, lambs, wool, goats, and mohair sold or taken from this place during 1969. Report the value (or give your best estimate) of animals of all ages without regard to ownership or who shared the receipts. Include animals fed under contract or on a custom basis on this place if the animals were sold or taken from this place during 1969.
		SECTION 36	FARM RELATED INCOME RECEIVED IN 1969
	Sales from nonfarm-related activities (such as trading and speculation, or livestock dealer activities) should not be included.	30 ftem 3	Report all government payments received by you from any of the following direct-payment programs:
	 Value of products harvested by others - If crops were harvested by cooperatives or by others, and you received for your product a price which did not include the cost of harvesting, hauling, etc., please report the gross value which includes these costs before they were deducted. If your records do not show such figures separately, please estimate the cost of such services and include these with the value of the product. Also be sure that the cost of these services has been included in the proper production expense items in section 34. Livestock or crops under contract - For livestock or crops, including vegetables and fruits, produced by you under contract, report the gross value before deductions for any feed, seeds, plants, fertilizer, sprays, dusts, and labor or equipment furnished by the contract furnished \$500 in seeds, production and harvesting costs, report \$1,500 as the gross sales value of the crops grown under contract. The value of materials furnished or paid for by others also should be included in the proper items in section 34. 		 Feed grain diversion and price support Wheat diversion and marketing certificate Upland cotton diversion and price support Agricultural conservation Emergency conservation Cropland adjustment Conservation reserve (soil bank) Appalachian Land Stabilization and Conservation Sugar Wool and mohair This total amount may have been furnished to you recently in a "Report of Payment to Producer" (notice sent to you by the Agricultural Stabilization and Conservation Service). If so, you may copy this figure on your Census report.
Item 8	Poultry and poultry products - Report the value of all eggs, broilers, hens and roosters, started pullets, ducks, turkeys, and other poultry and their eggs sold or moved from this place during 1969. If the sale price is not known, please give your best estimate of their market value when they left this place. For example, if you produced 10,000 pounds of poultry on a contract basis and you estimate the market price at 20 cents per pound, then you should report \$2,000 as the market value.		
Item 9	Dairy products - Include the gross value of all milk and cream sold from this place. Report the total value before hauling costs and Co-op dues are subtracted.		
Item 10	Dairy cattle and calves - Report the total value of sales of all dairy cattle and calves (including heifers, bulls, and bull calves) sold from this place. - 18 -		- 19 -
	- 10 -		

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Sec- tion No.	ltem No.	Сгор	Unit	Pounds
8	۱	, and a second second second	Bushei	56
9	1	Sorghums for grain or seed	Bushel	56
10	1-3	Wheat	Bushel	60
10	4	Oats	Bushel	32
10	5	Barley	Bushel	48
10	6	Rye	Bushel	56
10	8	Flaxseed	Bushel	56
10	9	Buckwheat	Bushel	48
10	10	Proso miliet	Bushel	50
10	11	Emmer and spelt	Bushel	40
10	13	Safflower	Bushel	40
10	14		Bushel	60
11	1 2		Bushel	60
ן יי	2	Peanuts for nuts: Virginia type	Bushel	17
l				2
		Runners, S.E	Bushel	25
11	3	Spanish	Bushel	60
ii	4	Dry lima beans	Bushel	56
ii	5	Dry field and seed peas	Bushel	60
ii	6	Cowpeas for dry peas	Bushel	60
11	7	Velvetbeans for beans (hulled)		60
ii l	8	Mungbeans for beans	Bushel Bushel	60
	-		Bushel	
12	1	Cotton: Gross (seed cotton)	Bale	500
		Net (lint cotton)	Bale	480
		(1,500 lb. seed cotton = 1 bale)		{
12	4	Popcorn:		
		Ear, husked		70
		Shelled	Bushel	56
		(70 lb. ear corn, husked = 1 bu.	ł	
		shelled corn)	1	1
12		Broomcorn	Bale	333
13	1			60
	•	(1 bag = 1 hundredweight = 100 lb.)	Barrel	165
			Bag	
13	2	Sweetpotatoes		55
			Crate	50

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ec- on lo.	Item No.	Сгор	Unit	Pounds
	1-7	Hay (3 tons green = 1 ton dry)		ļ
5	1	Red clover seed	Bushel	60
5	2	Alfalfa seed	Bushel	60
	3	Lespedeza seed	Bushel	30
- 1	4	Timothy seed		45
	5	Bromegrass seed	Bushel	14
	6	Orchardgrass seed		14
	7	Sweetclover seed	Bushel	60
' [1	Apples	Bushel	45
			Fibreboard box,	
			cell pack	40
	2-3	Peaches	Bushel	48
ļ			Lug box California	20
			fruit box	18
	4-5	Pears:		
		California	Bushel	48
1		Other	Bushel	46
		Western	Box	20
	6-7	Cherries	Lug	16
1	8	Avocados		13
	10	Grapes, American type	4-guart climax	
	10		basket	6
			12-quart basket	20
	11a	Grapes, European type-raisin varieties (1 lb. dried = 4 3/10 lb. fresh)		
7	11b	Grapes, European type-table varieties	Lug	28
			4-basket crate .	20
	12-13	Plums and prunes:		
-1		California	4-basket crate .	30
	10	Other	½-bushel basket	28
'	13	Prunes (California: 1 lb. dried = 2 7/10 lb. fresh)		
- 1		(Other: 1 lb. dried = 3 to 4 lb. fresh)		
	14	Apricots	Lug	
1			(Brentwood)	24
			4-basket crate .	26
	15	Olives	Lug	28
1	16	Figs, fresh	Box, single-	
		-	layer	6
7 (16	Figs		

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Table 1 - Approximate Net Weight Per Unit-Continued

		1	1	
Sec- tion No.	ltem No.	Сгор	Unit	Pounds
18	1	Valencia oranges:		
10		California and Arizona	Field box	55
		Florida and Texas		90
18	2	Navel oranges	Field box	52
18	3			90
18	4	Other oranges:		30
,0	-	California and Arizona	Field box	52
	i	Florida, Texas, and Louisiana		90
18	5			000
10	5	California and Arizona	l Field box	75
			Field box	90
		Texas	Field box	100
18	6			90
18	7	Grapefruit:		
	,	California, desert valleys	Field box	50
		Other California	Field box	52
		Florida and Texas	Field box	80
18	8	Lemons:	1 1610 DOX	
	Ű		Field box	52
			Field box	
18	9		Bushel	55
10	5		Duaner	
19	1	Walnuts	Bushel	50
13	'	vianuus	Dusilei	50
20	1	Strawberries	Quart	1%
20	2.3			1%
20	4		V-barrel box	25
20	5	Other berries		1%
20	ŋ		udit	1/2

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Acres in this place	4, 5	Land not operated on December 31, 1969	
Artificial drainage	8	Land owned	5
Avocados	13, 21	Land rented or leased from others	Ę
Black walnuts	13, 22	Land rented or leased to others	5
Cattle and calves	10 10	Land worked on shares	1
Cattle and calves fattened for slaughter	15		
, -		Land value	
Cents not required	3	Lime	16
Changes in operation of land	4	Livestock-cattle, hogs, sheep, other livestock 14, 15,	
Chemicals	16	Livestock or crops under contract	
Chickens	•	Location of agricultural activity	
Citrus fruit and trees			
Commercial feeds	17	Machinery and equipment	16
Commercial fertilizer		Market value of agricultural products sold	18
Contracts or agreements		Melons	1:
Cropiand harvested	7	Milk cows	15, 18
Crop failure	7	Miscellaneous crops	14
Crops harvested	8-14	Mushrooms	14
Crops in orchards	11		
Crops, miscelfaneous	14	Noncitrus fruit and fruit trees	
Crops not listed on the report form	14	Nonfarm activities	
Crops or livestock under contract	15-18	Nursery products	14
Cultivated summer fallow	7	Nuts and trees 12,	13, 23
Dairy cattle and calves	18	Olives	13, 2
Dairy products	18	Orchards	
Drainage, artificial	8	Other crops	1
	•	Ownership of lend .	
quipment and machinery	16		
Expenses paid by others	17	Pastureland	
Expenses, production	17	Pecans	1:
Extra report forms	3	Pesticides	10
allow land	7	Pigs	
eed		Poultry	17, 1
	17	Production expenses	1
Field seeds		Pullets 15,	17, 18
ertilizer		December of the state is a state	-
Forest products	14	Reporting unit for quantity harvested	1
ruit and trees		Sheep	17 1
^z ungicides	16	Skip-row planting	
Seneral information	3	Sugercane	
Goats	19	Summer fallow	
overnment farm programs	19	Sweet corn	1
Grapes		Swine	
Srazing permit land	13, 21	Swine	17, 10
a azang permit tanu	D	"This Place"	
lay and silage from same land	11	Township, district, etc	
iens	17, 18		
lerbicides	16	Trees and forest products	
fired workers	16	Turkeys 14,	
logs and pigs		Two or more crops from same land	1
low to mark your answers	3	Value of land and buildings	
low to use this leaflet	4	Value of machinery and equipment	
	4		
ncome, farm related	19	Value of products harvested by others	
nsecticides	16	Value of products sold	
	11	Vegetables	13, 1
nterplanted crops			

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