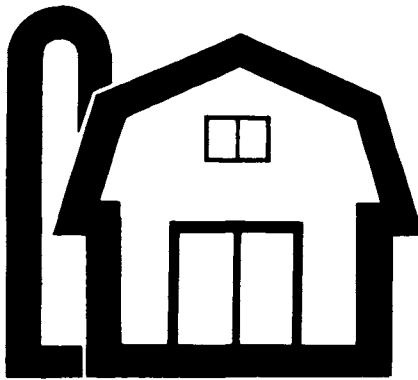


Guide to the 1982 Census of Agriculture and Related Statistics



U.S. Department of Commerce
BUREAU OF THE CENSUS

Guide to the 1982 Census of Agriculture and Related Statistics



Issued April 1984



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1 General Information

INTRODUCTION

The main purpose of this guide is to present information about the 1982 Census of Agriculture, but it also covers related statistics from other Bureau of the Census economic and demographic censuses and surveys.

The census of agriculture is the only source of statistics on U.S. agriculture where the figures are comparable county by county and classify farms by size, tenure, type of organization, principal occupation and age of operator, market value of agricultural products sold, and Standard Industrial Classification (SIC) code.

Data from the census are used by the Administration, Congress, and Federal, State, and county government organizations, as well as the business community, scientific and educational institutions, and farmer organizations.

- U.S. Government agencies use agriculture census data on production, sales, and size and type of farm as part of the framework for such composite measures as the gross national product, farm income estimates and indexes of productivity and price levels.
- The U.S. Department of Agriculture uses census of agriculture data to establish benchmarks or comparisons for many of its periodic estimates and projections.
- Administrative and legislative bodies at all levels of government use the census data in developing farm and rural programs and in analyzing the results of such programs.
- Private businesses, farm cooperatives, and commodity and trade associations rely on the census data as an aid in locating new plants and service and distribution facilities, allocating research resources, forecasting markets, selecting marketing areas, and in other activities that provide better service to the farm community.
- Farm and agriculture-oriented magazines and other news media use census data to provide technical background for news stories and feature articles, to determine their share of the market, and to identify what types of farms they reach.

LEGAL AUTHORITY AND CONFIDENTIALITY

The census of agriculture is required by law. Title 13, United States Code, directs that a census of agriculture be taken in 1983, covering 1982, and every fifth year thereafter. The law also imposes joint responsibilities on respondents and the Bureau and specifies penalties for noncompliance. Respondents are required to supply the data requested, while the Bureau is directed to maintain the confidentiality of the data supplied. No data may be published that can be used to identify an individual or a par-

ticular farm, nor may the data furnished by respondents be used for any but statistical purposes. Only sworn officials or employees of the Bureau of the Census may have access to the individual census records.

HISTORICAL BACKGROUND

The first census of agriculture for the United States was taken in 1840. Agriculture censuses were conducted every 10 years, as part of the decennial census of population program until 1920. Then they were carried out every 5 years until 1978, when a temporary 4-year cycle was introduced to bring the agriculture and economic censuses into conjunction for 1982. Thereafter, agriculture and economic censuses will occur on a common 5-year cycle.

Agriculture censuses were conducted by personal-visit interview until the Bureau of the Census introduced the mailout/mailback method for the 1969 Census of Agriculture. Since 1969, the census has been conducted primarily by mail enumeration in the 50 States. The personal-visit interview technique is used for the censuses of agriculture in Puerto Rico, Guam, the U.S. Virgin Islands, and in American Samoa and the Trust Territory of the Pacific Islands.¹

THE 1982 CENSUS OF AGRICULTURE

Scope and Content

The 1982 Census of Agriculture covered all agriculture operations that met the Bureau's definition of a farm (see p.2) in the 50 States, the Commonwealth of Puerto Rico, Guam, and the Virgin Islands. All agriculture operations were asked to provide data on:

- Acreage
- Crops
- Fruits and nuts
- Vegetables
- Nursery and greenhouse products
- Value of sales
- Land use
- Irrigation and source of irrigation water

¹Censuses of agriculture in American Samoa and the Trust Territory of the Pacific Islands are carried out in conjunction with the decennial censuses of population and housing. For 1980, however, the government of the Trust Territory carried out its own agriculture census; only the Northern Mariana Islands (part of the Trust Territory but functioning autonomously) took part in the census of agriculture carried out concurrently with the 1980 Census of Population and Housing (but published as part of the 1978 Census of Agriculture data program).

- Livestock and poultry
- Animal specialties
- Amount received from Government Commodity Credit Corporation (CCC) loans
- Amount received for machine work, customwork and other agricultural services provided for others
- Type of organization
- Characteristics and occupation of operator
- Year operator began operating farm

Additional information was requested only from a 20-percent sample of operators made up of all operations with expected sales above a certain value and a random sample of all other farms in each county. A 20-percent sample was small enough to limit respondent burden but was large enough to provide reliable country-level estimates for:

- Use of fertilizers and chemicals
- Selected production expenses
- Machinery and equipment
- Market value of land and buildings
- Interest expense

Reference Dates

Inventory data for the 50 States were requested as of December 31, 1982, while other data (except for a few crops, such as citrus, for which data were collected for the production year) were requested for calendar year 1982. In Puerto Rico, inventory data were collected as of July 1, 1983 and other data for the 12 months ending June 30, 1983. For Guam and the Virgin Islands, inventory data were collected as of the date of enumeration and production data for the 12 months preceding enumeration.

Definition of a Farm

For the 50 States, the census definition of a farm was any place that had, or normally would have had, a total value of sales of agricultural products during the census year of \$1,000 or more. For Puerto Rico, a farm was any place that had, or normally would have had, a total value of sales during the census year of \$500 or more or that had 10 *cuerdas* (9.7 acres) or more and sales of \$100 or more. In Guam, a farm was any place on which any crops, vegetables, or fruits were harvested or gathered in 1982 or on which there were any livestock or 15 or more poultry at the time of the enumeration. For the Virgin Islands, a farm was any place of 3 acres or more on which any field crops or vegetables were harvested in the 12 months between July 1, 1982 and June 30, 1983 or on which there was a combined total of 10 or more fruit or nut trees or plants, any livestock, or 10 poultry or more. Places of less than 3 acres were counted as farms if they had, or would normally have had, a total value of sales of agricultural products of \$100 or more.

General Procedures

The 1982 Census of Agriculture in the 50 States was a mail census; i.e., report forms were mailed to names and addresses assembled by the Bureau in an agriculture census mailing list. Addressees were asked to complete the report forms and mail

them back to the Bureau. Nonrespondents were followed up by mail and telephone over a period of 7 months following the initial mailout. The censuses in Puerto Rico, Guam, and the Virgin Islands were conducted by interviewers visiting farms to complete the report forms.

The Bureau reviewed the forms as they were returned, and the data were transferred to computer tape for a series of computer edits. As each State or area was "closed out" (i.e., once an acceptable overall level of response had been achieved), the data were tabulated with estimates for those who did not respond, and the data publication for a State or area was prepared.

Geographic Area Detail

The 1982 Census of Agriculture provides data for the United States, the 50 States, Puerto Rico, Guam, and the U.S. Virgin Islands, and for more than 3,000 counties or their equivalents. For census purposes, the United States is the 50 States and the District of Columbia (although no data report was prepared for the latter as part of the 1982 Census of Agriculture); Puerto Rico, Guam, and the Virgin Islands are treated separately. County equivalents include parishes in Louisiana and municipios in Puerto Rico. Data are published for the three main islands of the Virgin Islands and election districts in Alaska and Guam. State or area totals are aggregates of the county or county equivalent totals or estimates, while the United States data are aggregates of the State counts.

THE STANDARD INDUSTRIAL CLASSIFICATION SYSTEM

The Standard Industrial Classification (SIC) system is used to classify economic establishments, including agricultural production. The agriculture census publications include data for agricultural operations tabulated by SIC classification. The SIC system assigns numeric codes to specific economic activities, the focus of each code category narrowing with each successive addition of a digit. For example, SIC major group 01 covers agricultural production—crops. Adding the digit "1" gives the SIC group code for cash grains (011). To designate a specific type of grain production, a fourth digit gives the "industry" code, e.g., 0112—rice. A farm is "primarily" engaged in a particular crop-production or other agricultural activity if that activity or crop accounts for 50 percent or more of the total value of sales of the farm's agricultural production. If the total value of sales for agricultural products for a farm is less than 50 percent from a single four-digit industry, but 50 percent or more of its sales are derived from two or more industries within the same SIC group (e.g., corn (SIC 0115) and soybeans (0116)), the farm is classified as a miscellaneous establishment within that SIC group (011); otherwise it is classified as a general crop farm (SIC 0191).

Data in the economic censuses, except for portions of the census of transportation, are collected and summarized based on the SIC system. The four-digit industry code is generally sufficient for SIC coverage of agricultural production, since it identifies individual types of farms, but some industries, including

a number of manufacturing industries closely related to agriculture, require more detailed codes to differentiate between specific products. This has led the Bureau to develop some 1,400 five-digit "product class" SIC codes and approximately 11,000 seven-digit "product" codes, which enable the Bureau to break down the major SIC codes to the specific product level. The following illustrates how the system works:

Major group 28:	Chemicals and allied products
Group 287:	Agricultural chemicals
Industry 2873:	Nitrogen fertilizers
Product class 28731:	Synthetic ammonia, nitric acid, and ammonium compounds
Product 28731 11:	Nitric acid (100% HNO ₃)

HOW THE DATA ARE PUBLISHED

The publication schedule for the agriculture and economic census reports described here and elsewhere in these pages appears on an insert to this Guide.

Census data are published in a variety of media: printed reports, microfiche, and computer tape. Most printed reports and microfiche can be purchased from the U.S. Government Printing Office, while the Bureau of the Census is the only source of computer tapes of the census data. For more information on obtaining Bureau products, as well as on reference sources, special tabulations, etc., see chapter 4, "Obtaining the Data."

The printed reports are also reproduced on microfiche. Most of these same summary statistics are issued as well on public-use computer tapes.


A microfiche is a 4" x 6" sheet of photographic film containing up to 98 frames (or pages) of tables, text, or other printed material, reduced 24 times from their original size. Many libraries have the equipment needed to read microfiche and produce paper prints of individual pages; this equipment also is available commercially. Except as noted in the report series descriptions elsewhere in this guide, the Bureau issues fiche on a report-by-report basis; that is, one report is published on one or more fiche, and the entire report must be purchased.

The Bureau's agriculture computer tapes are available in 9-track, 1600-bpi (bits per inch) or 6250-bpi recording density, and in the Extended Binary-Coded Decimal interchange Code (EBCDIC) recording language. The agriculture census data will also be available in the Statistical Package for the Social Sciences (SPSS) software package. The unit of issue for the public-use tapes is the file; each file corresponds to a particular State (including substate areas within it) or the entire Nation. There are a number of different files for most subject areas.

In addition, some unpublished data series, which provide more detail than the printed reports, are made available on both microfiche and computer tape.

The box below shows the symbols used throughout this guide for the various publishing media. See chapter 4, "Obtaining the Data," for more information.

LEGEND

  	<p>Printed report</p> <p>Microfiche</p> <p>Computer tape</p>
<p>*</p> <p>+</p> <p>†</p>	<p>Available from: Superintendent of Documents U.S. Government Printing Office Washington, D.C. 20402 (202) 783-3238</p> <p>Available from: Customer Services Data User Services Division Bureau of the Census Washington, D.C. 20233 (301) 763-4100</p> <p>Available from: Agriculture Division Bureau of the Census Washington, D.C. 20233 (301) 763-5230</p>

Information From the 1982 Census of Agriculture

GENERAL INFORMATION

The 1982 Census of Agriculture publication program consists of *Preliminary Reports* for each of over 3,000 counties, each State, and the United States; a final Volume 1, *Geographic Area Series, State and County Data*, report for the United States, each State, Puerto Rico, Guam, and the U.S. Virgin Islands;¹ *Final County Reports* for each county in the United States with 10 or more farms; and the Volume 2, *Subject Series*, which consists of three parts: the *Graphic Summary*, the *Coverage Evaluation*, and the *Ranking of States and Counties*. These report series are described in greater detail below.

HISTORICAL DATA

All of the agriculture census reports include historical statistics from one, and sometimes two, preceding censuses. Summary tables on farms, land in farms, and land use in the volume 1 reports usually show historical data for several earlier censuses.

The comparability of historical data may not be exact; the definition of a farm and the method of enumeration have changed periodically. For example, the mail enumeration in the 1978 Census of Agriculture was supplemented by an area segment sample survey that employed personal-visit interviews of all households in a sample of area segments in all States except Alaska and Hawaii. This survey obtained estimates of the number and characteristics of farms not on the mailing list. These estimates were added to the results of the mail list enumeration in the State- and National-level tabulations. Plans for a similar program for 1982 were dropped because of budget constraints.



The State and national data from 1978 shown in the 1982 publications have been adjusted to make them comparable with the 1982 data. This was done by subtracting the estimates derived from the 1978 area sample from the 1978 totals.



Users should note any restrictions or explanations included in texts, or in table footnotes, with respect to comparability.

¹Agricultural data were collected in American Samoa and the Northern Mariana Islands in connection with the 1980 Census of Population but were published as part of the 1978 Census of Agriculture publication program.

PUBLISHED REPORTS

The publication schedule for the agriculture and economic census reports described here and elsewhere in these pages appears on an insert to this Guide.

Preliminary Reports,  *  , series AC82-A-01(P) to -56(P) (for States) and AC82-01-001(P) to -56-045(P) (for counties).² Prior to the publication of final reports, a preliminary report is issued for each county in the United States with 10 or more farms, for each State, and for the United States. The report presents highlights of selected data items, including total farms, land in farms, land use and irrigation, market value of agricultural products sold, farms by type of organization, operator characteristics, principal crops and livestock, and selected items for farms with sales of \$10,000 or more. Comparable data from the 1978 census also are included. The preliminary reports are published on a flow basis and provide early results for selected items. No preliminary reports are issued for Puerto Rico, Guam, or the U.S. Virgin Islands.

Volume 1, Geographic Area Series, State and County Data,  *  ,³ series AC82-A-1 to -54. Volume 1 includes a United States summary, with data for States, and separate reports for each of the 50 States, Puerto Rico, Guam, and the Virgin Islands. Each report consists of an introductory text and two chapters of statistical tables, one of detailed data for the State (or area), the second of detailed county-level tables.

In chapter 1 (State data), tables 1 through 43 show detailed State-level data. These cover all the items collected in the census: farms, land in farms, and land use for 1982 and earlier census years; crop production and value of sales; livestock and

²State and county preliminary report series numbers are derived from the Federal Information Processing Standards (FIPS) code list, in which a two-digit code identifies each State and that number, plus a three-digit county code, identifies each county within a State. Preliminary report AC82-A-24-029(P), for example, is the 1982 Census of Agriculture preliminary report ("P") for Maryland's ("24") Kent County ("029"). Users should be aware that FIPS codes are not assigned in strict numerical sequence, nor are they used in the final reports series.

³County-level statistics on computer tape are sold by Customer Services, Data User Services Division; State-level data and cross-tabulations are sold on a special-order basis by the Agriculture Division.

poultry inventories; selected characteristics of farms operated by females, persons of Spanish origin, and specified racial groups; irrigation; tenure and operator characteristics; payroll, employment, and contract labor; value of machinery and equipment; agricultural chemicals used; selected production expenses; fuel storage capacity and fuel expenses; Commodity Credit Corporation (CCC) loans, agricultural services, and direct sales of agricultural products; and characteristics of farms by SIC classifications. Tables 44 through 50 show selected 1982 summary State data cross-tabulated by various farm classifications, such as size of farm, tenure of operator, type of organization, value of agricultural products sold; various operator characteristics (e.g., age and principal occupation); and SIC code.

Selected data are presented by county or county-equivalent in chapter 2. Tables 1 through 16 provide data for all counties

on land, land in farms, and land use; irrigation; value of products sold and farms by SIC classification; land in farms, cropland harvested, and irrigated land by size of farm; tenure and characteristics of operator; agricultural chemicals used; machinery and equipment; hired farm labor and payroll; CCC loans, agricultural services, and direct sales of agricultural products; livestock and poultry inventories and sales; etc. The counties are listed alphabetically in the column headings. In tables 17 through 36, data are shown only for counties with three or more farms reporting a particular item. Items shown include various animal and crop specialties (goats, mink, bees, fish sales, grains, field seeds, etc.), nursery and greenhouse products, tenure, farms operated by persons of selected racial groups or Spanish origin, CCC loans by commodity group, etc. Data for counties with fewer than three farms reporting any given item are combined into an "all other counties" category for the State.

TABLE FROM 1982 CENSUS OF AGRICULTURE, PRELIMINARY STATE REPORT (MARYLAND)

Table 1. Farms, Land in Farms, and Land Use: 1982 and 1978

All farms	1982	1978	All farms	1982	1978
Farms.....number.....	16 184	15 540	Land in farms according to use:		
Land in farms.....acres.....	2 557 934	2 614 439	Total cropland.....farms.....	14 720	14 384
Average size of farm.....acres.....	158	168	.....acres.....	1 799 363	1 809 726
			Harvested cropland.....farms.....	13 673	13 663
			.....acres.....	1 529 012	1 477 316
Value of land and buildings ¹ :			Cropland used only for pasture or grazing.....farms.....	5 717	5 862
Average per farm.....dollars.....	341 122	298 920	.....acres.....	197 257	224 329
Average per acre.....dollars.....	2 177	1 719	Other cropland.....farms.....	3 139	4 104
			.....acres.....	73 094	108 081
Farms by size:			Woodland, including woodland pastured.....farms.....	8 968	8 980
1 to 9 acres.....	2 015	1 747	.....acres.....	500 037	537 266
10 to 49 acres.....	4 822	3 947	Pastureland and rangeland other than		
50 to 179 acres.....	5 263	5 430	cropland and woodland pastured.....farms.....	2 757	2 508
180 to 499 acres.....	2 979	3 346	.....acres.....	111 734	119 807
500 to 999 acres.....	789	781	Land in house lots, ponds, roads, wasteland,		
1,000 to 1,999 acres.....	252	230	etc.....farms.....	11 457	10 847
2,000 acres or more.....	64	59	.....acres.....	146 800	147 640
			Irrigated land.....farms.....	847	616
			.....acres.....	38 677	28 467

¹Data are based on a sample of farms.

TABLE FROM 1982 CENSUS OF AGRICULTURE, PRELIMINARY COUNTY REPORT (KENT CO., MARYLAND)

Table 4. Crops Harvested: 1982 and 1978

All farms	1982	1978	All farms	1982	1978
Corn for grain or seed.....farms.....	307	317	Hay—alfalfa, other tame, small grain, wild, grass		
.....acres.....	68 982	63 739	silage, green chop, etc.....farms.....	108	129
.....bushels.....	7 827 020	6 401 471	.....acres.....	5 151	5 447
Farms by acres harvested:			Alfalfa hay.....farms.....	66	74
1 to 24 acres.....	41	38	.....acres.....	2 324	1 875
25 to 99 acres.....	91	107	Dry weight.....tons.....	9 789	6 614
100 to 249 acres.....	96	90			
250 acres or more.....	79	82	Vegetables harvested for sale.....farms.....	28	31
Corn for silage or green chop.....farms.....	79	77	.....acres.....	2 929	5 508
.....acres.....	5 085	3 644	Farms by acres harvested:		
Green weight.....tons.....	90 939	59 091	0.1 to 4.9 acres.....	5	1
Wheat for grain.....farms.....	150	107	5.0 to 24.9 acres.....	6	4
.....acres.....	9 467	4 732	25.0 to 99.9 acres.....	13	19
.....bushels.....	434 965	190 894	100.0 acres or more.....	4	7
Barley for grain.....farms.....	51	75			
.....acres.....	1 868	2 285	Snap beans.....farms.....	3	5
.....bushels.....	114 664	111 154	.....acres.....	(D)	499
Oats for grain.....farms.....	7	12	Green peas, excluding green cowpeas.....farms.....	2	3
.....acres.....	213	177	.....acres.....	(D)	(D)
Tobacco.....farms.....	12 790	9 370	Sweet corn.....farms.....	21	27
.....acres.....	-	-	.....acres.....	1 452	1 878
.....pounds.....	-	-	Land in orchards.....farms.....	3	3
Soybeans for beans.....farms.....	206	203	.....acres.....	9	3
.....acres.....	20 274	20 282	Apples.....farms.....	3	2
.....bushels.....	552 521	659 866	Bearing and nonbearing.....acres.....	4	(D)
			.....pounds.....	(D)	-

TABLES FROM 1982 CENSUS OF AGRICULTURE, GEOGRAPHIC AREA SERIES, STATE REPORT

Table 17. **Livestock and Poultry—Inventory and Sales: 1982, 1978, and 1974**

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

Item		Inventory			Sales		
		Farms	Number	Value ¹ (\$1,000)	Farms	Number	Value (\$1,000)
Livestock and poultry -----	1982..	1 832	(X)	49 828	1 733	(X)	260 286
	1978..	1 908	(X)	38 909	1 910	(X)	218 310
	1974..	1 832	(X)	24 248	1 904	(X)	156 816
Poultry -----	1982..	1 027	(X)	22 803	1 094	(X)	220 963
	1978..	1 140	(X)	19 953	1 164	(X)	191 425
Livestock -----	1982..	1 197	(X)	27 025	907	(X)	39 323
	1978..	1 261	(X)	18 956	1 060	(X)	28 885
Any cattle, hogs, or sheep -----	1982..	892	(X)	24 917	784	(X)	22 545
	1978..	1 000	(X)	18 068	948	(X)	14 201
Cattle and calves -----	1982..	660	33 360	19 999	521	26 224	12 311
	1978..	665	28 103	13 038	567	16 631	5 767
	1974..	782	30 615	7 424	632	14 293	(NA)
Cows and heifers that had calved -----	1982..	517	15 085	12 762	(NA)	(NA)	(NA)
	1978..	529	14 427	8 471	(NA)	(NA)	(NA)
	1974..	607	15 417	5 036	(NA)	(NA)	(NA)
Beef cows -----	1982..	311	5 129	2 308	(NA)	(NA)	(NA)
	1978..	292	4 122	1 772	(NA)	(NA)	(NA)
	1974..	339	4 711	1 131	(NA)	(NA)	(NA)
Milk cows -----	1982..	248	9 956	10 454	(NA)	(NA)	(NA)
	1978..	291	10 305	6 698	(NA)	(NA)	(NA)
	1974..	341	10 706	3 908	(NA)	(NA)	(NA)
Hogs and pigs -----	1982..	421	54 411	4 870	413	101 872	10 208
	1978..	577	61 305	4 996	574	100 178	8 411
	1974..	534	42 955	1 909	534	82 422	(NA)
Feeder pigs sold -----	1982..	(X)	(X)	(X)	138	27 544	1 268
	1978..	(X)	(X)	(X)	241	31 800	1 313
	1974..	(X)	(X)	(X)	166	18 879	(NA)

Table 50. **Summary by Standard Industrial Classification of Farm: 1982**

[Excludes abnormal farms; see text. For meaning of abbreviations and symbols, see introductory text]

Item	Total	Cash grains (011)	Field crops, except cash grains (013)				Vegetables and melons (016)	Fruits and tree nuts (017)	
			Total	Cotton (0131)	Tobacco (0132)	Sugar crops, Irish potatoes, hay, peanuts, and other field crops (0133, 0134, 0139)			
FARMS AND LAND IN FARMS									
Farms -----	number..	3 338	1 493	73	-	-	73	107	22
	percent..	100.0	44.7	2.2	-	-	2.2	3.2	.7
Land in farms -----	acres..	655 465	378 919	20 501	-	-	20 501	41 293	3 820
Average size of farm -----	acres..	196	254	281	-	-	281	386	174
Value of land and buildings ¹ -----	farms..	3 338	1 544	50	-	-	50	83	42
	\$1,000..	1 217 847	652 502	31 347	-	-	31 347	69 981	10 522
Average per farm -----	dollars..	364 843	422 805	626 940	-	-	626 940	842 904	250 524
Average per acre -----	dollars..	1 829	1 629	1 675	-	-	1 675	1 796	2 411
Farms by value of land and buildings:									
\$1 to \$39,999 -----		436	156	9	-	-	9	5	3
\$40,000 to \$69,999 -----		433	143	1	-	-	1	22	10
\$70,000 to \$99,999 -----		359	201	2	-	-	2	3	16
\$100,000 to \$149,999 -----		413	223	2	-	-	2	2	3
\$150,000 to \$199,999 -----		322	100	2	-	-	2	1	-
\$200,000 to \$499,999 -----		789	380	18	-	-	18	29	7
\$500,000 to \$999,999 -----		322	182	5	-	-	5	7	1
\$1,000,000 to \$1,999,999 -----		171	105	7	-	-	7	7	-
\$2,000,000 or more -----		93	54	4	-	-	4	7	2
Owned and rented land by operator:									
Land owned -----	farms..	2 950	1 243	64	-	-	64	89	20
	acres..	403 070	209 910	9 702	-	-	9 702	26 679	2 347
Land rented or leased from others -----	farms..	1 389	819	32	-	-	32	49	8
	acres..	286 869	182 738	11 437	-	-	11 437	15 255	2 055
Rented or leased land in farms -----	farms..	1 381	818	32	-	-	32	49	8
	acres..	281 048	178 152	11 437	-	-	11 437	14 727	2 032
Land rented or leased to others -----	farms..	436	123	9	-	-	9	9	7
	acres..	34 474	13 729	638	-	-	638	641	582
LAND IN FARMS ACCORDING TO USE									
Total cropland -----	farms..	2 843	1 493	73	-	-	73	107	22
	acres..	521 104	312 191	17 021	-	-	17 021	29 544	3 289
Harvested cropland -----	farms..	2 700	1 493	73	-	-	73	107	22
	acres..	499 989	304 663	16 156	-	-	16 156	29 181	3 257

Table 27. **Vegetables, Sweet Corn, and Melons Harvested for Sale: 1982 and 1978**

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

Geographic area	Harvested		Irrigated	
	Farms	Acres	Farms	Acres
LAND USED FOR VEGETABLES (SEE TEXT)				
State Total				
Delaware ----- 1982..	367	36 845	158	15 760
----- 1978..	381	35 561	124	14 086
Counties, 1982				
Kent -----	118	16 747	49	8 217
New Castle -----	52	1 212	13	719
Sussex -----	197	18 886	96	6 825
VEGETABLES HARVESTED (SEE TEXT)				
State Total				
Delaware ----- 1982..	367	40 421	158	17 042
----- 1978..	381	41 038	124	15 320
Counties, 1982				
Kent -----	118	19 602	49	9 049
New Castle -----	52	1 306	13	724
Sussex -----	197	19 513	96	7 270
ASPARAGUS				
State Total				
Delaware ----- 1982..	11	1 477	3	(D)
----- 1978..	10	2 334	1	(D)
Counties, 1982				
Kent -----	7	1 463	2	(D)
Sussex -----	4	14	1	(D)
GREEN LIMA BEANS				
State Total				
Delaware ----- 1982..	58	11 436	23	1 952
----- 1978..	74	11 977	14	932
Counties, 1982				
Kent -----	19	(D)	8	(D)
New Castle -----	4	(D)	2	(D)
Sussex -----	35	6 374	13	1 103

Final County Reports, [table icon] *, series AC82-A(MF). When final census counts are ready, the Bureau prepares a final report for each county with 10 or more farms, identical in format to the county *Preliminary Report* (see p. 5). This allows data users to obtain basic statistics from the final census counts for only those counties in which they have an interest.

Volume 2, Subject Series, [table icon] *, series AC82-SS-1 to -3. This series consists of three reports:

Graphic Summary (AC82-SS-1) presents a profile of the Nation's agriculture in a series of U.S. maps, many of which are printed in color.

Coverage Evaluation (AC82-SS-2) provides national- and regional-level estimates on the completeness of the census, in terms of both the number of farms missed and selected characteristics of those farms.

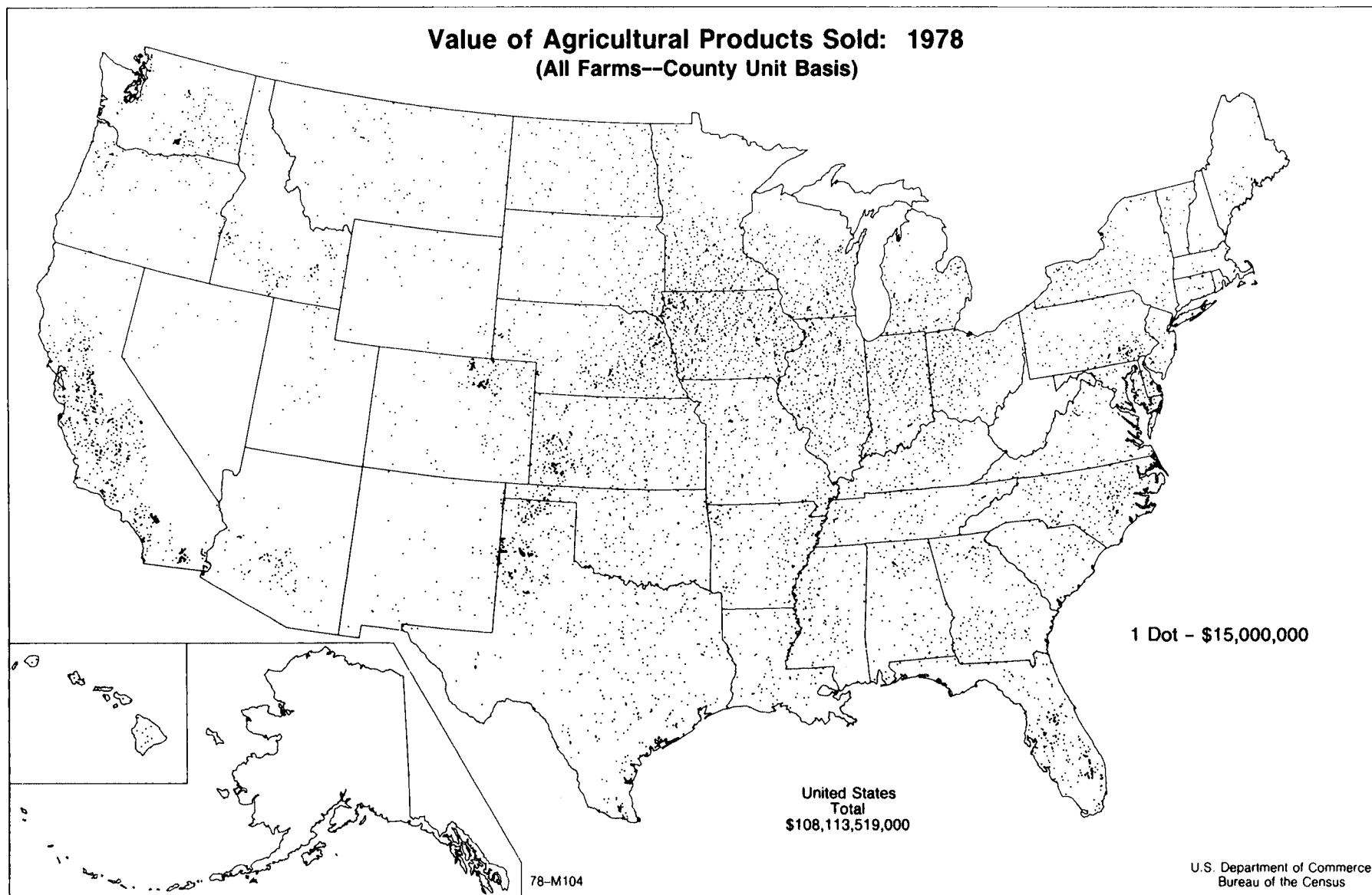
Ranking of States and Counties (AC82-SS-3) shows the ranking of States and counties in order of importance for selected items for 1982. Comparative data from the 1978 census are included for most tables.

UNPUBLISHED DATA

A limited amount of unpublished data is available from the 1982 census. Printed copies of the following unpublished county tables may be obtained (†):

- Land in Farms with Cropland Harvested, Land in Farms and Cropland Harvested on Irrigated Farms, by Size of Farm: 1982
- Owned and Rented Land—Farms, Land in Farms and Value of Land and Buildings: 1982
- Farms with Grazing Permits: 1982 [for Western States only]

MAP FROM 1978 CENSUS OF AGRICULTURE, GRAPHIC SUMMARY



Related Statistics

INTRODUCTION

General Information

The census of agriculture is the major source of production, economic, land-value, farm practices, and other information on the agricultural sector. Related data on the food and fiber system are collected in other Bureau censuses and surveys. These include the economic censuses and related periodic surveys, the census and surveys of governments, and the foreign trade statistics program. Demographic information on the farm and rural populations can be obtained from the decennial censuses of population and housing and in the current population survey program.

The data available from these various statistical programs are described briefly below.

Geography of the Censuses of Population and Housing and of the Economic Censuses

Decennial and economic census data are compiled and published for two large areas outside the normal geographic hierarchy: standard metropolitan statistical areas (SMSA's) and standard consolidated statistical areas (SCSA's). An SMSA is an integrated economic and social unit with a recognized large population nucleus. Generally, an SMSA consists of one or more counties (except in New England where SMSA's are comprised of cities and towns) or their equivalents, that meet specified standards pertaining to population, commuting patterns, and metropolitan character. An SMSA may include one or more predominantly agricultural counties. As of January 1982, there were 323 SMSA's, including 5 in Puerto Rico.

An SCSA is a statistical unit used to facilitate the presentation and analysis of data for large concentrations of metropolitan population. Each SCSA has a population of at least 1 million and consists of two or more adjacent SMSA's that together meet specified standards of urbanized character, social and economic integration, and/or contiguity of urbanized areas. As of January 1982, there were 17 designated SCSA's, including 1 in Puerto Rico.¹

¹After the relationships between central urban core(s) and adjacent counties were analyzed on the basis of the 1980 population census and a revised set of standards, these areas were redefined and the word "standard" was dropped from the designation. Thus, as of June 30, 1983, SMSA's and SCSA's are known as metropolitan statistical areas (MSA's), primary MSA's (PMSA's), and consolidated MSA's (CMSA's). As the 1982 agriculture and economic censuses cover calendar year 1982, prior to the June 1983 date for adopting the changes, the 1982 SMSA and SCSA designations and nomenclature were retained for these censuses. Special reports using some of the new designations may be issued after the 1982 census results have been published.

Population, housing, and economic data are shown for a variety of subcounty geographic units not represented in the agriculture census reports.

THE ECONOMIC CENSUSES

General Information

The economic censuses cover all establishments² engaged in manufacturing, mining, retail and wholesale trades, construction, and most service industries. Agricultural services, as defined in the SIC system (SIC major group 07), are not included in the economic censuses. Title 13, United States Code, requires that economic censuses be carried out every 5 years for years ending in "2" and "7" and specifies which industries must be covered.

The data collected vary with the characteristics of the different industries, but a number of key measures, such as sales (or receipts or value of shipments), employment, and payroll, are collected in nearly all economic census programs. Data on products sold or services performed, inventories, capital expenditures, and materials consumed are provided for most industries.

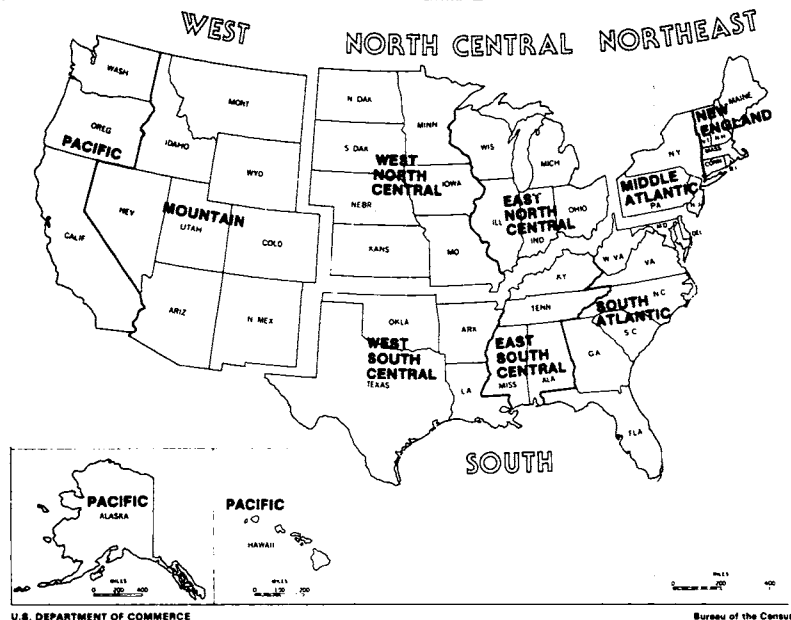
Sources of Agriculture-Related Information

General information. In the economic statistics program the censuses and surveys of manufactures, wholesale and retail trade, and transportation, and the County Business Patterns are the primary sources of economic data related to agriculture. The censuses collected information (see fig. 1, p. 11) on establishments involved in the manufacture of products used in agricultural production, in the processing and/or sale of agricultural products of all kinds, or in providing certain goods and services to farmers and/or their families. The census of manufactures, for example, collects and publishes information on establishments involved in processing food and kindred products, while the census of retail trade covers food stores.

When selected agriculture-related data from the economic censuses are combined with agriculture census statistics, a more complete picture can be obtained of the food and fiber sector of the economy.

²An establishment is defined, for census and survey purposes, as a business or industrial unit at a single geographic location that produces or distributes goods or performs services.

CENSUS REGIONS AND GEOGRAPHIC DIVISIONS OF THE UNITED STATES



The 1982 Census of Manufactures. This census covered manufacturing industries and collected data on employment, payroll and worker hours, inventories, capital expenditures, cost of materials and contract work, resales, fuel and electricity, ownership and control, and products. (Supplementary data are obtained on plant characteristics for selected industries.)

The publication program for the 1982 Census of Manufactures includes the following report series:

- **Preliminary Industry Series,** ☐ *, series MC82-I-20A-1(P) to -39D-5(P). Approximately 450 manufacturing industries are covered in 443 separate reports that present general statistics for each State with significant manufacturing activity, plus a summary report, MC82-SUM-1(P), for the United States. Preliminary totals for quantity and value of shipments for the products primary to the industry and the quantity and cost of materials consumed by establishments classified in the industry are also shown. General statistics for industry groups and industries are presented in the preliminary summary publication along with totals at the all-manufacturing level. The reports of particular interest to agriculture census data users are listed below.

Agriculture-Related Preliminary Reports from the 1982 Census of Manufactures

Report series	No. of reports	Description
SIC Major Group 20		Food and Kindred Products
MC82-I-20A-1(P) to -2(P)	2	Meat and Poultry Products
MC82-I-20B-1(P) to -5(P)	5	Dairy Products
MC82-I-20C-1(P) to -6(P)	6	Canned and Preserved Fruits and Vegetables
MC82-I-20D-1(P) to -6(P)	6	Grain Mill Products
MC82-I-20E-1(P) to -2(P)	2	Bakery Products
MC82-I-20F-1(P) to -5(P)	5	Sugar and Confectionery Products

MC82-I-20G-1(P) to -5(P)	5	Fats and Oils
MC82-I-20H-1(P) to -6(P)	6	Beverages
MC82-I-20I-1(P) to -6(P)	6	Miscellaneous Food Preparations
SIC Major Group 21		Tobacco Products
MC82-I-21-1(P) to -4(P)	4	Tobacco Products
SIC Major Group 22		Textile Mill Products
MC82-I-22A-1(P) to -4(P)	4	Weaving Mills
MC82-I-22B-1(P) to -7(P)	7	Knitting Mills
MC82-I-22C-1(P) to -3(P)	3	Finishing Mills
MC82-I-22D-1(P) to -3(P)	3	Floor Coverings
MC82-I-22E-1(P) to -4(P)	4	Yarn Mills
MC82-I-22F-1(P) to -9(P)	9	Miscellaneous Goods and Kindred Products
SIC Major Group 28		Chemicals and Allied Products
MC82-I-28G-1(P) to -4(P)	4	Fertilizers and Agricultural Chemicals
SIC Major Group 31		Leather and Leather Products
MC82-I-31A-1(P)	1	Leather Tanning and Finishing
SIC Major Group 35		Machinery, Except Electrical
MC82-I-35A-3(P)	1	Farm Machinery and Equipment
MC82-I-35D-1(P) to -2(P)	2	Food Products and Textile Machinery

- **Preliminary Geographic Area Series,** ☐ *. Ten reports, one for each of the nine geographic regions (see map above) including data by State and for the District of Columbia, MC82-A-1(P) to -9(P), and one for the United States, MC82-SUM-2(P). This series shows preliminary statistics at the four-digit SIC industry level on employment, value added, quantity and value of shipments of products primary to the industry, and quantity and cost of materials consumed.

**FIGURE 1. MAJOR DATA ITEMS COLLECTED AND PUBLISHED
IN THE FINAL REPORTS OF SELECTED ECONOMIC
CENSUSES, BY GEOGRAPHIC LEVEL OF DETAIL**

(Legend: A--All levels (U.S., States, substate areas). S--State and national. N--National only.)

Item	Census		
	Retail trade	Wholesale trade	Manufac- tures
NUMBER OF ESTABLISHMENTS AND FIRMS			
All establishments.....	A		
Establishments with payroll.....	A	A	A
Single-unit and multiunit establishments.....	N	N	N
Establishments by legal form of organization.....	N	N	N
Firms.....	N	N	S
Single-unit and multiunit firms.....	N	N	N
Concentration by major firms.....	N	N	N
EMPLOYMENT			
All employees.....	A	A	A
Production (construction) workers.....			A
Employment size of establishments.....	N	N	A
Employment size of firms.....	N	N	
Production (construction) worker hours.....			A
PAYROLL			
All employees, entire year.....	A	A	A
All employees, first quarter.....	A	A	N
Production (construction) workers.....			A
Supplemental labor costs, legally required and voluntary.....	N	N	S
SALES, RECEIPTS, OR VALUE OF SHIPMENTS			
All establishments.....	A		A
Establishments with payroll.....	A	A	
By product, line, or type of construction.....	A	A	N
By class of customer.....	N	N	
By size of establishments.....	N	N	N
By size of firms.....	N	N	
OPERATING EXPENSES			
Total.....	N	A	
Cost of materials, etc.....	N	N	A
Specific materials consumed (quantity/cost).....	N	N	N
Cost of fuels.....	N	N	A
Energy consumed (quantity/cost).....	N	N	A
Contract work.....		N	N
Products bought or sold (resales).....			N
Advertising.....	N	N	
Rental payments, total.....	N	N	S
Buildings and structures.....	N	N	S
Machinery and equipment.....	N	N	S
Communications services.....	N	N	S
Purchased repairs.....	N	N	S
CAPITAL EXPENDITURES			
Total.....	N	N	A
New, total.....	N	N	S
Buildings/equipment.....	N	N	S
Used, total.....	N	N	S
Buildings/equipment.....			
DEPRECIABLE ASSETS, GROSS VALUE BUILDINGS/EQUIPMENT			
End of 1981.....	N	N	S
End of 1982.....	N	N	S
Depreciation (detail for bldgs./equip. and/or total)...	N	N	S
Retirements (detail for bldgs./equip. and/or total)....	N	N	S
INVENTORIES			
End of 1981.....	N	S	S
LIFO ¹ , non-LIFO, and reserves.....		N	S
End of 1982.....	N	S	S
LIFO ¹ , non-LIFO, and reserves.....		N	S
OTHER			
Value added.....	N	N	A
Specialization by type of construction/mfg.....			N
Central administrative offices and auxiliaries.....	S	S	A
Water use.....			S

¹Last in, first out.

- **Industry Series, [] [] * [] + .** Eighty-two reports, one for each of 82 groups of related industries including data for the United States, the 50 States, and the District of Columbia, series MC82-I-20 to -39D. Summary and detail statistics are provided on employment, value added, quantity and value of shipments, end-of-year inventories, cost of materials, capital expenditures, and degree of specialization. The final reports of most obvious interest to agriculture census data users are listed (by SIC industry) in the table below.

Agriculture-Related Final Industry Reports from the
1982 Census of Manufactures

Report	Description
SIC Major Group 20	Food and Kindred Products
MC82-I-20A	Meat Products
MC82-I-20B	Dairy Products
MC82-I-20C	Preserved Fruits and Vegetables
MC82-I-20D	Grain Mill Products
MC82-I-20E	Bakery Products
MC82-I-20F	Sugar and Confectionery Products
MC82-I-20G	Fats and Oils
MC82-I-20H	Beverages
MC82-I-20I	Miscellaneous Extracts and Syrups
SIC Major Group 21	Tobacco Products
MC82-I-21A	Tobacco Products
SIC Major Group 22	Textile Mill Products
MC82-I-22A	Weaving Mills
MC82-I-22B	Knitting Mills
MC82-I-22C	Dyeing and Finishing Textiles Except Wool Fabrics and Knit Goods
MC82-I-22D	Floor Covering Mills
MC82-I-22E	Yarn and Thread Mills
MC82-I-22F	Miscellaneous Textile Goods
SIC Major Group 28	Chemicals and Allied Products
MC82-I-28G	Agricultural Chemicals
SIC Major Group 31	Leather and Leather Products
MC82-I-31A	Tanning: Industrial Leather and Shoes
SIC Major Group 35	Machinery, Except Electrical
MC82-I-35A	Engines and Turbines, and Farm Machinery and Equipment
MC82-I-35D	Special Industry Machinery, Except Metal-Working Machinery

- **Geographic Area Series, [] [] * [] + .** Fifty-one reports, one for each State and the District of Columbia, series MC82-A1 to -51. Summary and detailed statistics are shown for industries and industry groups and totals for all manufacturing industries for counties, SMSA's, and other places with significant manufacturing activity.
- **Subject Series, [] [] * .** There is one preliminary report, MC82-S-3(P) [] * , *Textile Machinery in Place*, with preliminary data at the national level only. Final subject series MC82-S-1 to -10 includes the following topics (geographic level of presentation is shown in parentheses):

Fuels and electric energy consumed (based on 1981 data; published June 1983) (national, State, and substate)

Concentration ratios (national)

Water used in manufacturing (State and national)

Production indexes (national)

Selected metalworking operations (State and national)

Textile machinery in place (State and national)

Selected materials consumed (national)

Manufacturing activity at government facilities (national)

A general summary of the data in the industry and geographic area series (national, State, and substate)

Type of organization, i.e., single- or multiestablishment (national)

The 1982 Censuses of Wholesale and Retail Trade. The census of wholesale trade covered establishments primarily engaged in selling merchandise to retailers and repair shops; industrial, commercial, institutional, or professional businesses; to farmers for farm use; to government; to establishments acting as agents or brokers for others; or to other wholesalers. The census of retail trade covered establishments primarily engaged in selling merchandise to the general public for personal or household consumption and in rendering services incidental to the sales of those goods. For details of the data collected and published in the censuses of wholesale and retail trades, see the table on p. 11.

Data available from the censuses of wholesale and retail trade on the following SIC groups may be of particular interest to agricultural census data users:

SIC	Description
Wholesale Trade ¹	
Industry group 514	Grocery and Related Products (nine four-digit industries)
Group 515	Farm-Product Raw Materials (four four-digit industries)
Industry 5083	Farm and Garden Equipment and Machinery

¹Industry and commodity classifications for the census of wholesale trade are similar to, but generally less detailed than, manufactures classifications.

SIC	Description	Agriculture-Related Preliminary Reports from the 1982 Censuses of Wholesale and Retail Trade	
Industry 5191	Farm Supplies	Report No	Description
Industry 5194	Tobacco and Tobacco Products		
Retail Trade		Wholesale Trade	
Major group 54	Food Stores (nine four-digit industries)	WC82-1-14(P)	Farm and Garden Machinery and Equipment
Industry group 598	Fuel and Ice Dealers (three four-digit industries)	WC82-1-27(P)	General Line Groceries
		WC82-1-28(P)	Frozen Foods
Industry 5261	Retail Nurseries, Lawn and Garden Supply Stores	WC82-1-29(P)	Dairy Products
		WC82-1-30(P)	Poultry and Poultry Products
Industry 5541	Gasoline Service Stations	WC82-1-31(P)	Meat and Meat Products
Industry 5992	Florists	WC82-1-32(P)	Fresh Fruits and Vegetables
		WC82-1-33(P)	Grain
		WC82-1-34(P)	Livestock
		WC82-1-35(P)	Chemicals and Allied Products
		WC82-1-36(P)	Petroleum Bulk Stations and Terminals
		WC82-1-38(P)	Farm Supplies
		WC82-1-39(P)	Tobacco and Tobacco Products
The publication programs for these censuses include equivalent series, as follows:		Retail Trade	
<ul style="list-style-type: none"><i>Preliminary Industry Series</i> ☐ *. WC82-I-1(P) to -39(P), wholesale trade, and RC82-I-1(P) to -39(P), retail trade. These series each include a separate report for each of 39 selected industries, followed by U.S. summary reports (WC82-SUM(P), wholesale trade, and RC82-SUM(P), retail trade) on the number of establishments, sales, annual payroll, and the number of employees for the United States. The industry reports also contain comparable historical statistics as well as a table showing the composition of sales by commodity line (wholesale trade) or merchandise line (retail trade) for each kind of business. The following preliminary wholesale and retail census reports may be of special interest to agriculture census data users:		RC82-7(P)	Miscellaneous General Merchandise Stores
		RC82-8(P)	Grocery Stores
		RC82-12(P)	Gasoline Service Stations
		RC82-36(P)	Fuel Oil Dealers
		RC82-37(P)	Liquefied Petroleum Gas (Bottled Gas) Dealers
		RC82-38(P)	Florists

The publication programs for these censuses include equivalent series, as follows:

- *Preliminary Industry Series* □ *. WC82-1-1(P) to -39(P), wholesale trade, and RC82-1-1(P) to -39(P), retail trade. These series each include a separate report for each of 39 selected industries, followed by U.S. summary reports (WC82-SUM(P), wholesale trade, and RC82-SUM(P), retail trade) on the number of establishments, sales, annual payroll, and the number of employees for the United States. The industry reports also contain comparable historical statistics as well as a table showing the composition of sales by commodity line (wholesale trade) or merchandise line (retail trade) for each kind of business. The following preliminary wholesale and retail census reports may be of special interest to agriculture census data users:

TABLE FROM THE CENSUS OF MANUFACTURES, GEOGRAPHIC AREA SERIES¹

Table 7. Statistics by Selected Industry Group and Industry for Selected Counties: 1982

[Includes counties with 450 employees or more and industry groups and industries with 450 employees or more within counties, except those that would disclose data for individual companies. For information on geographic areas followed by Δ, general geographic information, and explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

SIC code	Geographic area and industry	E ¹	All establishments ²		All employees		Production workers			Value added by manufacture ³ (million dollars)	Cost of materials ⁴ (million dollars)	Value of shipments ⁵ (million dollars)	New capital expenditures (million dollars)
			Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
	Washington County												
20	Food and kindred products												
2013	Sausages and other prepared meats												
202	Dairy products												
203	Preserved fruits and vegetables												
205	Bakery products												
206	Beverages												
209	Miscellaneous food and kindred products												

¹County and SIC group and industry coverage are variable, depending on the number of establishments in a given SIC code within each county, and the results of disclosure analysis.

TABLE FROM THE CENSUS OF WHOLESALE TRADE, GEOGRAPHIC AREA SERIES

Table 2. Comparative Statistics for the State: 1982 and 1977

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1977 and 1982 censuses, see appendix A]

SIC code	Type of operation and kind of business	Establishments		Sales			Annual payroll		
		1982 (number)	1977 (number)	1982 (\$1,000)	1977 (\$1,000)	Percent change 1977 to 1982	1982 (\$1,000)	1977 (\$1,000)	Percent change 1977 to 1982
	Wholesale trade .....	|	|	|	|	E1	|	|	E1
51	Nondurable goods .....	|	|	|	|	E1	|	|	E1
511	Paper and paper products .....	|	|	|	|	E1	|	|	E1
5111	Printing and writing paper .....	|	|	|	|	E1	|	|	E1
5112	Stationery supplies .....	|	|	|	|	E1	|	|	E1
5113	Industrial and personal service paper .....	|	|	|	|	E1	|	|	E1
512	Drugs, drug proprietaries and druggists' sundries .....	|	|	|	|	E1	|	|	E1
5122	Drugs, drug proprietaries, and druggists' sundries .....	|	|	|	|	E1	|	|	E1
513	Apparel, piece goods, and notions .....	|	|	|	|	E1	|	|	E1
5133	Piece goods (woven fabrics) .....	|	|	|	|	E1	|	|	E1
5134	Notions and other dry goods .....	|	|	|	|	E1	|	|	E1
5136	Men's and boys' clothing and furnishings .....	|	|	|	|	E1	|	|	E1
5137	Women's, children's and infants' clothing and accessories .....	|	|	|	|	E1	|	|	E1
5139	Footwear .....	|	|	|	|	E1	|	|	E1
514	Groceries and related products .....	|	|	|	|	E1	|	|	E1
5141	Groceries, general line .....	|	|	|	|	E1	|	|	E1
5142	Frozen foods .....	|	|	|	|	E1	|	|	E1
5143	Dairy products .....	|	|	|	|	E1	|	|	E1
5144	Poultry and poultry products .....	|	|	|	|	E1	|	|	E1
5144	Confectionery .....	|	|	|	|	E1	|	|	E1

TABLE FROM THE CENSUS OF RETAIL TRADE, GEOGRAPHIC AREA SERIES

Table 1. Summary Statistics for the State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms and comparability of 1977 and 1982 censuses, see appendix A]

SIC code	Kind of business	All establishments ¹				Establishments with payroll ¹				
		Number	Sales (\$1,000)	Unincorporated businesses		Number	Sales (\$1,000)	Annual payroll (\$1,000)	First quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)
				Individual proprie- torships (number)	Partne- rships (number)					
	Retail trade² .....	|	|	|	|	|	|	|	|	|
53	General merchandise group stores .....	|	|	|	|	|	|	|	|	|
531	Department stores (incl. leased depts.) ^{3 4} .....	|	|	|	|	|	|	|	|	|
531	Department stores (excl. leased depts.) ¹ .....	|	|	|	|	|	|	|	|	|
531 pt.	Conventional ² .....	|	|	|	|	|	|	|	|	|
531 pt.	Discount or mass merchandising ² .....	|	|	|	|	|	|	|	|	|
531 pt.	National chain ² .....	|	|	|	|	|	|	|	|	|
533	Variety stores .....	|	|	|	|	|	|	|	|	|
539	Miscellaneous general merchandise stores .....	|	|	|	|	|	|	|	|	|
54	Food stores .....	|	|	|	|	|	|	|	|	|
541	Grocery stores .....	|	|	|	|	|	|	|	|	|
542	Meat and fish (seafood) markets .....	|	|	|	|	|	|	|	|	|
546	Retail bakeries .....	|	|	|	|	|	|	|	|	|
5462	Retail bakeries—baking and selling .....	|	|	|	|	|	|	|	|	|
5463	Retail bakeries—selling only .....	|	|	|	|	|	|	|	|	|
543, 4, 5, 9	Other food stores .....	|	|	|	|	|	|	|	|	|
543	Fruit stores and vegetable markets .....	|	|	|	|	|	|	|	|	|
544	Candy, nut, and confectionery stores .....	|	|	|	|	|	|	|	|	|
545	Dairy products stores .....	|	|	|	|	|	|	|	|	|
549	Miscellaneous food stores .....	|	|	|	|	|	|	|	|	|

- *Geographic Area Series*, [] [] * [] + . WC82-A-1 to -52 (wholesale trade) and RC82-A-1 to -52 (retail trade). Both series include a report for each State, the District of Columbia, and the United States.
- *Industry Series*, [] [] * . WC82-1 to -4 (wholesale trade) and RC82-1 to -4 (retail trade). This series provides statistics on particular subjects. The reports for each census are: 1, *Establishment and Firm Size (Including Legal Form of Organization)*; 2, *Measures of Value Produced, Capital Expenditures, Depreciable Assets, and Operating Expenses*; 3, *Commodity Line Sales* (retail trade report RC82-3 is *Merchandise Line Sales*); and 4, *Miscellaneous Subjects*. Data are shown at the national level except in parts 3 and 4, which include State and substate tabulations.

The 1982 Census of Transportation. The census of transportation provides statistics for selected transportation industries on the characteristics and uses of trucks, on the shipments of commodities by manufacturers, and on personal travel. The 1982 program has two major components: a truck inventory and use survey and a commodity transportation survey, the latter scheduled for 1983.

The publication program for the census of transportation includes the following report series of particular interest to agricultural census data users:

Truck Inventory and Use Survey, [] [] * [] + , TC82-T1 to -52. A report for each State and the District of Columbia and a United States summary, on the number of vehicles and other characteristics, by size class, principal products carried, fleet size, and area of operation (local, short range, or long range). The U.S. summary statistics are aggregates of the State data.

Commodity Transportation Survey (CTS) provides statistics on the volume and characteristics of intercity commodity shipments originated by manufacturers in the 50 States and the District of Columbia. The 1977 CTS data were published in a *Geographic Area Series*, [] [] * [] + , TC77-CA; a *Commodity Report Series*, [] [] * [] + , TC77-CC; and in a *Com-*

modity Transportation Survey summary, [] [] * [] + . The 1983 CTS is being carried out as part of the 1982 Economic Censuses program, which also will cover selected wholesalers of bulk commodities (including grain).

Enterprise Statistics. This program regroups census data records of establishments and farms under common ownership or control, to show various economic characteristics of the owning or controlling firms. Each company covered in the 1982 Economic and Agriculture Censuses is classified in one of approximately 200 enterprise categories, which are regroupings of four-digit SIC industries. Statistics for enterprise-establishment relationships are tabulated by type of company organization, company size, and industry classification. Other cross-tabulations indicate patterns of company industrial diversification. The tabulations in *General Report on Industrial Organization*, [] [] * , series ES82-1, may be of particular interest to agricultural census data users.

CURRENT ECONOMIC STATISTICS

General Information

The Bureau of the Census carries out an extensive program of periodic economic surveys, most of which are based on probability samples, to provide additional statistical information on the Nation's economy. This program includes a survey of cotton ginnings, annual and monthly surveys of wholesale and retail trade, an annual survey of manufactures, and a county business patterns survey.

The Cotton Ginnings Survey

The Bureau of the Census has carried out a cotton ginnings program since 1902. Ginning data are reported and collected twice monthly during the ginning season (August through March)

TABLE FROM COTTON GINNINGS, A10

Table 1. COTTON GINNED PRIOR TO NOVEMBER 15, BY STATE: CROPS OF 1979 TO 1982

(Running bales; lintners not included)

State	1982	1981	1980	1979
United States.....	7,214,302	7,687,882	6,698,438	7,287,155
Upland.....	7,176,513	7,658,617	6,670,037	7,264,456
American Pima.....	37,789	29,265	28,401	22,699
Alabama.....	375,758	337,873	246,962	183,587
Arizona.....	386,191	641,699	563,000	681,720
Upland.....	367,115	625,629	549,175	667,504
American Pima.....	19,076	16,070	13,825	14,216

Table 1. Comparative Summary: Crops of 1973 to 1982

Bales, ginning, and harvests	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973
Running bales:										
Total.....	11,526,035	15,150,260	10,826,242	14,261,922	10,549,219	14,017,919	10,347,103	8,151,223	11,328,391	12,610,998
Upland.....	11,429,648	15,072,854	10,724,266	14,165,664	10,459,201	13,909,121	10,284,056	8,097,552	11,239,735	12,532,901
American Pima.....	96,387	77,406	101,976	96,258	90,018	108,798	63,047	53,671	88,656	78,097
Equivalent 480-pound net weight bales.....	11,940,485	15,627,452	11,117,129	14,620,077	10,850,669	14,388,349	10,576,568	8,296,450	11,536,539	12,973,631
Number of active gins.....	2,000	2,189	2,254	2,336	2,461	2,689	2,771	2,856	3,219	3,285
Average number of bales per gin.....	5,763	6,921	4,803	6,105	4,287	5,213	3,734	2,854	3,519	3,839
Cotton ginned prior to--										
August 1.....	39,800	44,387	199,606	72,294	143,791	85,466	47,194	29,835	144,607	2,710
September 1.....	453,251	426,516	582,217	538,494	671,847	693,627	373,104	168,603	543,240	134,965
September 15.....	578,310	645,065	745,057	697,352	788,325	1,168,580	442,239	228,193	625,898	245,652
October 1.....	1,529,044	1,724,646	1,312,026	916,370	1,490,383	2,353,223	572,583	373,240	827,287	496,122
October 15.....	2,660,218	3,299,490	2,566,031	2,105,391	2,903,560	4,343,325	1,563,914	1,060,459	2,314,752	1,826,076
November 1.....	5,288,435	5,540,672	4,599,488	4,798,539	4,658,643	7,493,396	3,703,226	2,766,663	4,943,937	5,014,098
November 15.....	7,201,961	7,687,882	6,698,438	7,287,155	5,889,763	9,722,756	5,951,465	4,168,690	6,509,395	7,069,867
December 1.....	8,822,657	10,156,076	7,840,476	9,937,248	6,668,221	11,710,550	7,657,829	5,793,628	8,291,385	9,196,659
December 15.....	9,626,572	12,023,213	8,807,771	11,772,433	8,096,300	12,963,110	9,114,560	7,012,808	9,687,237	10,712,230
January 1.....	10,574,010	13,460,093	9,872,843	12,727,681	9,316,913	13,513,320	9,886,652	7,602,560	10,598,365	11,601,087
January 15.....	10,974,637	13,275,900	10,168,822	13,438,594	9,722,918	13,741,738	10,198,646	7,877,234	10,898,965	12,023,221

for 17 States.³ The results of the survey are published in a series of three reports: the A10—biweekly data on the number of bales ginned by State (subscription *, single copies +) (series M22P); the A20—monthly data on the number of bales ginned for each county with three or more ginning establishments (subscription *, single copies +) (series M22P); and the A30—final annual figures for cotton ginnings and production for the United States, States, and counties, as well as the 100 top ginning counties. The data published include the number of active and idle gins, average net weight of bales ginned (for the U.S. and for States), amount of American Pima cotton ginned, percent of total cotton ginned by specific dates (for the U.S. and for States), and number of cotton gins by State and by number of bales ginned. (Additional data on establishments dealing with cotton are presented in the Current Industrial Reports series M22P, *Consumption on the Cotton System and Stocks*. See p. 17.)

Other Economic Surveys

Manufactures. An annual survey of manufactures is carried out each year during the period between economic censuses. The data from the latest (1981) survey were tabulated and published in five reports as the *Annual Survey of Manufactures*, (series M81(AS)-1 to -5); two of these, M81(AS)-1, *Statistics for Industry Groups and Industries*, and M81(AS)-2, *Value of Product Shipments*, may be of particular interest to agriculture census data users.

³The States covered in the 1982-83 Cotton Ginnings Survey were Alabama, Arizona, Arkansas, California, Florida, Georgia, Kansas, Louisiana, Mississippi, Missouri, Nevada, New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas.

The *Current Industrial Reports*, (subscription or single copies*, back issues +) (series M22P), are a series of over 100 monthly, quarterly, and annual reports providing national-level summary data for selected manufactured products. All monthly and quarterly series include annual summaries or separate, more detailed annual reports.

Current Industrial Reports of particular interest to agriculture data users and the kinds of data collected in each, are shown in the table on p. 17.

Wholesale Trade. Two periodic series of reports on wholesale trade are published by the Bureau. The *Monthly Wholesale Trade: Sales and Inventories*, (subscription * or single copies +) (series BW), provides monthly reports on selected kinds of businesses. Data are shown at the national level for sales, inventories, and stock (inventory) sales ratios, with percentage changes and estimated dollar volume. The January report each year contains all of the final data for the previous year. The *Annual Wholesale Trade*, (part of monthly subscription * or single copies +), (series BW), is an annual report providing national-level estimates of annual sales, year-end inventories, and inventory-sales ratios by selected kinds of businesses. Historical data are included.

Retail Trade. Three periodic retail trade reports are published by the Bureau. The first of these, the *Advance Monthly Retail Sales*, (subscription or single copies +) (series CB), provides advance estimates of sales by kind-of-business groups at the national level. The advance report is followed by the *Monthly Retail Trade: Sales and Inventories*, (subscription * or single copies +) (series BR), which has sales estimates

AGRICULTURE-RELATED CURRENT INDUSTRIAL REPORTS

Series No.	Frequency	Description	Inventory (Quantity)	Production (Quantity)	Consumption (Quantity)	Shipments	
						Quantity	Value
M20A	Monthly	Flour Milling Products.....	X	X	X		
MA20D	Annual	Confectionery.....			X	X	X
M20J	Monthly	Fats and Oils--Oilseed Crushings	X	X	X		
M20K	Monthly	Fats and Oils--Production, Consumption, and Stocks.....	X	X	X		
M22D	Monthly	Consumption on the Woolen System and Worsted Combing.....			X		
M22P	Monthly	Consumption on the Cotton System and Stocks.....	X		X		
MA22M	Annual	Stocks of Wool and Related Fibers.....	X				
M28A	Monthly	Inorganic Chemicals.....	X	X			
MA28A	Annual	Inorganic Chemicals.....	X	X		X	X
M28B	Monthly	Inorganic Fertilizer Materials and Related Products.....	X	X			
MA35A	Annual	Farm Machinery and Lawn and Garden Equipment.....				X	X
MA35L	Annual	Internal Combustion Engines.....		X		X	X
MA35P	Annual	Pumps and Compressors.....				X	X
M35S	Monthly	Tractors (Except Garden Tractors).....			X	X	X

Note: The SIC major group of the area or industry covered by each report is indicated by the report number; that number is preceded by a one- or two-letter prefix, M (the M stands for manufactures, and, when alone, for monthly), MQ (quarterly), or MA (annual), while a one-letter suffix (A, B, C, etc.) indicates the specific report within the two-digit group. Thus, the report MA35A is an annual report (MA) on machinery, except electrical (SIC group 35) providing data on farm machinery and lawn and garden equipment (suffix A).

by major kind-of-business groups and selected individual kinds of retail businesses at the national level, for census regions and divisions, 19 States, 23 large SMSA's, and 5 cities. An annual report, [year] *Retail Trade*, [] [] + , series BR shows national data on sales, year-end inventories, inventory-sales ratios, and accounts receivable balances.

County Business Patterns. The *County Business Patterns*, [] * [] [] + , series CBP [year], reports present intercensal economic data at the State and county levels for the following sectors of the economy in the 50 States, the District of Columbia, and Puerto Rico: agricultural services, forestry, and fisheries; mining; contract construction; manufacturing; transportation and other public utilities (except railroads and the U.S. Postal Service); wholesale trade; retail trade; finance, insurance, and real estate; and services, including religious organizations. Data are shown on the number of establishments, employment, payroll, and the number of establishments by employment-size class. A U.S. summary includes data by four-digit SIC level for the United States as well as State totals and, by two-digit SIC, the number of administrative and auxiliary establishments for the Nation, together with their numbers of employees and payrolls.

The computer tapes include three files, each available separately; a *United States Summary* with detailed national data; file 1B, summaries for States and census geographic divisions; and 2, summaries by county. These files contain both published and unpublished data for all SIC's at all geographic levels: national, State, and county.

CENSUS OF GOVERNMENTS

The census of governments collects financial and employment data on over 80,000 units of government, including Federal, State, county, municipal, and town or township governments, as well as such particular units as school districts (dependent and independent) and special districts (the latter including such organizations as drainage districts). Data from the 1982 Census of Governments are published in four volumes: *Government Organization*, [] [] * , GC82-1; *Taxable Property Values and Assessment-Sales Price Ratios*, [] [] * , GC82-2; *Government Employment*, [] [] * [] [] + , GC82-3 (in three parts); and *Government Finances*, [] [] * [] [] + , GC82-4 (in five parts). Volume 4, part 2, *Finances of Special Districts*, includes financial and other data on drainage districts.

TABLE FROM ANNUAL SURVEY OF MANUFACTURES, INDUSTRY STATISTICS

Table 2. Statistics for Industry Groups and Industries: 1981 and 1980

(For explanation of column captions, see appendix)

SIC code	Industry group and industry	1980												
		All employees		Production workers			Value added by manu- facture (million dollars)	Cost of materials (million dollars)	Value of industry shipments (million dollars)	New capital expendi- tures (million dollars)	End-of- year inven- tories (million dollars)	Standard error of estimate (percent) for column 1--		
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						A	F	I
		A	B	C	D	E	F	G	H	I	J	A	F	I
	ALL INDUSTRIES, TOTAL ^F	20,646.6	350,410.9	13,900.1	26,745.7	198,164.0	773,831.3	1,093,567.6	1,852,668.3	70,112.8	261,673.5	1	1	1
20	FOOD AND KINDRED PRODUCTS.	1,538.8	23,248.5	1,091.2	2,154.7	14,814.4	75,490.9	181,394.0	256,188.7	5,787.9	22,407.8	1	1	2
21	TOBACCO PRODUCTS.	88.0	1,044.8	46.6	88.1	767.4	6,147.6	6,090.9	12,194.6	367.3	3,863.8	1	1	1
22	TEXTILE MILL PRODUCTS.	816.1	9,228.1	706.2	1,391.7	7,212.4	18,983.3	28,605.8	47,255.0	1,488.3	6,480.4	1	1	2
23	APPAREL, OTH. TEXTILE PRODS.	1,307.3	11,354.3	1,129.5	2,000.5	8,503.4	23,425.5	22,690.7	45,781.8	807.8	6,559.8	2	1	4
24	LUMBER AND WOOD PRODUCTS.	698.1	8,904.8	561.7	1,097.7	6,719.9	18,020.9	29,139.8	47,144.0	2,027.1	6,013.4	2	2	3
25	FURNITURE AND FIXTURES.	472.7	5,623.2	383.8	727.0	3,926.0	11,631.1	10,757.7	22,314.7	575.0	3,490.2	2	2	4
26	PAPER AND ALLIED PRODUCTS.	646.3	11,730.6	495.9	1,006.0	8,203.5	29,760.5	43,437.5	72,791.9	5,128.4	7,606.5	1	1	2
27	PRINTING AND PUBLISHING.	1,262.8	18,843.1	716.0	1,317.8	9,599.1	44,374.7	25,251.5	69,543.9	2,767.6	5,620.1	1	1	4
28	CHEMICALS, ALLIED PRODUCTS.	909.7	18,269.0	544.7	1,080.4	9,482.6	74,384.1	89,331.9	162,517.2	8,770.2	10,622.4	1	1	1
29	NONFUEL MINING AND QUARRYING.	3,615.1	48,115.1	1,997.7	3,819.7	21,135.0	175,640.4	175,640.4	188,671.1	144.5	1,144.5	1	1	1

TABLE FROM CURRENT INDUSTRIAL REPORTS, M35S

Table 2. TOTAL TRACTORS (EXCEPT CONTRACTORS' OFF-HIGHWAY AND GARDEN TYPE)

Product code	Type of tractor	Number of companies	Production (units)	Shipments (units)	Horsepower of tractors shipped (1,000)	Value of shipments (\$1,000)
	MARCH 1983					
35231 10	Wheel tractors.....	13	^b 5,006	^b 5,137	^b 658	^b 161,377
35231 69	Wheel tractors, farm type (PTO).....	8	^b 2,974	^b 3,392	^c 565	^b 120,415
	Wheel tractors, nonfarm (industrial type - excluding tractor chassis, shipped as part of front engine mount, integral design tractor shovel loader/backhoes) (NEHP).....	6	^b 515	^b 479	^b 27	^b 9,058
35317 30	Wheel tractors, chassis shipped as part of front engine mount, integral design tractor shovel loader/backhoes (NEHP)....	5	^a 1,517	^b 1,266	^a 66	^b 31,904
35312 00	Tracklaying tractors (NEHP).....	6	(D)	234	11	15,973
35317 20	Tracklaying tractor shovel loaders (NEHP).....	2	(D)	(D)	(D)	(D)

TABLE FROM COUNTY BUSINESS PATTERNS, IOWA

Table 2. Counties—Employees, Payroll, and Establishments, by Industry: 1981—Continued

(Excludes government employees, railroad employees, self-employed persons, etc.—see "General Explanation" for definitions and statement on reliability of data. Size class 1 to 4 includes establishments having payroll but no employees during mid-March pay period. "D" denotes figures withheld to avoid disclosure of operations of individual establishments, the other alphabets indicate employment-size class—see footnote.)

SIC code	Industry	Number of employees for week including March 12	Payroll (\$1,000)		Number of establishments, by employment-size class									
			First Quarter	Annual	Total	1 to 4	5 to 9	10 to 19	20 to 49	50 to 99	100 to 249	250 to 499	500 to 999	1000 or more
	BUENA VISTA—Continued													
.....	Agricultural services, forestry, fisheries.....	35	75	329	8	5	3	-	-	-	-	-	-	-
.....	Contract construction.....	273	741	3 295	58	40	9	9	-	-	-	-	-	-
15	General contractors and operative builders.....	93	288	1 294	23	18	2	3	-	-	-	-	-	-
151	General building contractors.....	(B)	(D)	(D)	13	8	2	3	-	-	-	-	-	-
17	Special trade contractors.....	133	321	1 222	30	20	6	4	-	-	-	-	-	-
.....	Manufacturing.....	999	5 027	18 446	33	12	10	6	2	1	1	-	1	-
20	Food and kindred products.....	(F)	(D)	(D)	8	1	4	1	-	-	1	-	1	-
201	Meat products.....	(F)	(D)	(D)	2	-	-	-	-	-	1	-	1	-
2011	Meat packing plants.....	(F)	(D)	(D)	1	-	-	-	-	-	-	-	1	-
2016	Poultry dressing plants.....	(C)	(D)	(D)	1	-	-	-	-	-	1	-	-	-

The basic data are presented in different ways in two other volumes: *Local Government in Metropolitan Areas*, [] * [] *, GC82-5, and *Topical Studies*, [] * [] *, GC82-6.

GOVERNMENTS SURVEYS

The Bureau of the Census publishes several periodic reports on various government activities and operations. Two of these reports may be of particular interest to agriculture data users.

- *Federal Expenditures by State for Fiscal Year [year]*, [] * [] * [] + is an annual report showing, by State and territory, total Federal grants to State and local governments (including grants for agricultural stabilization).
- *Federal Assistance Award Data System*, [] * [] +, is a quarterly report showing Federal grants and payments to State and local governments, as well as direct and guaranteed loans to individuals or small businesses, and direct payments for general or specific purposes (such as agricultural price supports) and other financial assistance.

FOREIGN TRADE STATISTICS

Agricultural products make up a significant portion of United States foreign trade. The Bureau of the Census compiles a broad range of data on imports and exports and publishes a variety of summary and detailed reports. Export data are generally shown by commodity class, net quantity, destination (country and world area), U.S. customs district of export, method of transportation, and month of export. Import data shown include commodity by net quantity, dutiable status and rate, country and world area of origin, U.S. customs district of entry, method of transportation, and month of import. For further information see the *Guide to Foreign Trade Statistics—1983*, [] *.

Summary Publications

- *Highlights of U.S. Export and Import Trade*, [] * (series FT990, monthly, subscription *, single copies +) [] +
- *Summary of Export and Import Merchandise Trade*, [] * (series FT900, subscription) [] +

Annual Publications

- *U.S. General Imports...*, [] * [] + (two series, FT150 and FT155). Series FT 150 shows commodity by Schedule A groupings, world area and country of origin, and method of transportation. Series FT155 shows the same data, except world area imports are provided by commodity groupings.
- *U.S. Imports—Consumption and General, SIC-Based Products, by World Areas*, [] * [] + (series FT210) covers quantity and value.
- *U.S. Imports for Consumption and General Imports...*, [] * [] + (series FT246), shows *Tariff Schedules of the United States Annotated* (TSUSA) commodity by country, quantity and value.

- *U.S. Exports—Schedule B Commodity by Country*, [] * [] + (series FT446)
- *U.S. Exports...*, [] * [] + (two series, FT450 and FT455). The export equivalent of series FT150/155, these reports show Schedule E groupings, world area and country, and method of transportation; series FT450 shows commodity groupings by world area, while FT455 has world areas by commodity groupings, plus Schedule E groupings.
- *U.S. Exports—Domestic Merchandise, SIC-Based Products by World Areas*, [] * [] + (series FT610) covers quantity and value.

The data in the FT210 and FT610 reports are summarized by SIC-based export and import product codes, so they may be related fairly directly with economic census tabulations.

THE CENSUSES OF POPULATION AND HOUSING

Censuses of population and housing are carried out every 10 years in years ending in "0" and provide detailed demographic and socioeconomic data about this country's people and their living quarters. The 1980 Census of Population and Housing is the latest of these enumerations and provides statistics on the United States, census geographic regions and divisions, the 50 States, the District of Columbia, Puerto Rico, Guam, the U.S. Virgin Islands, American Samoa, the Northern Mariana Islands, and the remainder of the Trust Territory of the Pacific Islands. Within States, data are published for SCSA's, SMSA's, counties, cities, and various other political and statistical units down to the size of a city block (in selected areas).

While the population and housing censuses are not directly concerned with collecting data specifically related to agriculture, statistics are obtained and published on population and housing in rural as well as urbanized areas, farm and nonfarm population and housing, income, age, and other characteristics of the population, all of which are valuable in an examination of agriculture in the United States.

The report series listed below all contain data that are, directly or indirectly, most useful in evaluating the agriculture economy. Detail varies by series according to subject and geographic coverage. This listing includes only those report series most obviously useful to agriculture data users. For more information on the 1980 census publication program, see the *Bureau of the Census Catalog* [] *.

- *Number of Inhabitants*, [] *, series PC80-1-A, shows population counts for States, counties, county subdivisions, places, SCSA's, SMSA's, and urbanized areas. Some counts are by urban/rural residence.
- *General Population Characteristics*, [] *, series PC80-1-B, shows complete-count data (i.e., number of persons in each household, age, sex, race, etc.) for various geographic levels from States down to places with populations of 1,000 or more.
- *General Social and Economic Characteristics*, [] *, series PC80-1-C, for various geographic levels down to places of 2,500 or more inhabitants, and *Detailed Characteristics*, [] *, series PC80-1-D, for States and for SMSA's of

TABLE FROM 1980 CENSUS OF POPULATION, VOL. 1, CHARACTERISTICS OF THE POPULATION, CHAPTER D, DETAILED POPULATION CHARACTERISTICS

TABLE 219. (A) DETAILED OCCUPATION OF EMPLOYED PERSONS BY SEX, RACE, AND SPANISH ORIGIN: 1980 - CON.

(DATA ARE ESTIMATES BASED ON A SAMPLE; SEE INTRODUCTION. FOR MEANING OF SYMBOLS, SEE INTRODUCTION. FOR DEFINITIONS OF TERMS, SEE APPENDICES A AND B)

ALABAMA	THE STATE											
	TOTAL		WHITE		BLACK		AMER. INDIAN, ESKIMO / ALEUT		ASIAN AND PACIFIC ISLANDER		SPANISH ORIGIN (1)	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
FARMING, FORESTRY, AND FISHING OCCUPATIONS	35 285	5 110	27 702	4 260	7 426	809	105	17	52	19	262	33
FARM OPERATORS AND MANAGERS	14 908	1 709	13 757	1 602	1 114	101	17	6	20	-	80	8
FARMERS, EXCEPT HORTICULTURAL	12 504	1 428	11 891	1 363	580	59	17	6	16	-	53	8
AGRICULTURAL PRODUCTION, CROPS	8 525	574	8 071	515	433	59	17	-	4	-	47	-
HORTICULTURAL SPECIALTY FARMERS	183	76	137	63	42	13	-	-	4	-	-	73
MANAGERS, FARMS, EXCEPT HORTICULTURAL	1 988	190	1 614	161	374	29	-	-	-	-	21	-
MANAGERS, HORTICULTURAL SPECIALTY FARMS	233	15	115	15	118	-	-	-	-	-	6	-
FARM OCCUPATIONS, EXCEPT MANAGERIAL SUPERVISORS, FARM WORKERS	8 025	2 353	5 355	1 895	2 634	430	19	4	17	19	77	18
FARM WORKERS	478	179	430	151	46	18	2	-	-	10	-	-
AGRICULTURAL PRODUCTION, CROPS	7 349	1 843	4 761	1 511	2 554	314	17	4	17	9	77	18
MARINE LIFE CULTIVATION WORKERS	4 999	831	3 014	619	1 968	203	17	4	-	-	39	6
NURSERY WORKERS	-	-	-	-	-	-	-	-	-	-	-	-
RELATED AGRICULTURAL OCCUPATIONS	198	331	164	233	34	98	-	-	-	-	-	110
SUPERVISORS, RELATED AGRICULTURAL OCCUPATIONS	4 843	833	3 248	649	1 570	177	21	7	4	-	48	7
GROUNDKEEPERS AND GARDENERS, EXCEPT FARM	226	23	183	19	43	4	-	-	-	-	-	94
ANIMAL CARETAKERS, EXCEPT FARM	4 188	328	2 710	183	1 457	145	21	-	-	-	48	7
GRADERS AND SORTERS, AGRICULTURAL PRODUCTS	325	336	262	322	59	9	-	5	4	-	-	1 602
INSPECTORS, AGRICULTURAL PRODUCTS	82	146	71	125	11	19	-	2	-	-	-	56
FORESTRY AND LOGGING OCCUPATIONS	22	-	22	-	-	-	-	-	-	-	-	16
SUPERVISORS, FORESTRY AND LOGGING WORKERS	6 424	202	4 325	109	2 040	93	48	-	11	-	51	-
FORESTRY WORKERS, EXCEPT LOGGING WORKERS	373	14	330	14	43	-	-	-	-	-	-	5 163
FORESTRY WORKERS, EXCEPT LOGGING WORKERS	455	51	359	36	85	15	-	-	11	-	10	-
FORESTRY WORKERS, EXCEPT LOGGING WORKERS	-	-	-	-	-	-	-	-	-	-	-	305
FORESTRY WORKERS, EXCEPT LOGGING WORKERS	-	-	-	-	-	-	-	-	-	-	-	306

250,000 or more inhabitants, provide data on those subjects collected on a sample basis (such as occupation, income, and commuting), some of which are cross-tabulated by age, race, and other characteristics.

- *General Housing Characteristics*, []*, series HC80-1-A, contains data for the complete-count housing items—access, number of rooms, kitchen and plumbing facilities, tenure (rented or owned), etc.—tabulated from the State level down to places of 1,000 inhabitants, and includes some cross-tabulations by the inhabitants' race or Spanish origin. Some tables display data by urban/rural residence.
- *Detailed Housing Characteristics*, []*, series HC80-1-B, covers the sample housing items—heating equipment, farm residence, source of water, sewage disposal, etc.—tabulated down to the level of places with 2,500 inhabitants.
- *Summary Tape Files (STF's)*, []*. Virtually all of the population and housing census data also appear on computer tapes in greater detail and for smaller geographic areas than in the printed reports. STF's are issued by State, and some data can be obtained on microfiche by county.

The 1980 Census of Population and Housing: Users' Guide, []*, PHC80-R1, contains a text and several supplements, including a glossary and table-finding guides.

POPULATION AND HOUSING SURVEYS

The Bureau carries on a variety of survey and population-estimation programs, many of which are sponsored by other Federal agencies, such as the Bureau of Labor Statistics, Department of the Treasury, and the Department of Housing and Urban Development.

The following report series present statistical data drawn from the Bureau's Current Population Surveys.

- *Farm Population*, []* []* []*, series P-27, is a cooperative project of the Bureau of the Census and the U.S. Department of Agriculture. Annual reports have been issued since 1947 on the number of persons living on farms, their age and race, and selected characteristics of their employment. Data are shown for the United States.
- *Population Characteristics*, []* []* []*, series P20, has approximately 15 reports each year, many dealing with such recurring topics as school enrollment, fertility, mobility, and voting. Data are shown for the United States and, occasionally, for regions, divisions, and large SMSA's.
- *Special Studies*, []* []* []*, series P23, consists of several reports issued each year on such subjects as youth, the aging, and female family heads.
- *Population Estimates and Projections*, []* []* []*, series P-25, includes monthly estimates of the U.S. population; population projections and annual estimates by age of components of change (births, deaths, and net migration); annual estimates of State population by age group and components of change; and periodic population and per capita income estimates for States, counties, governmentally active minor civil divisions, and incorporated places.
- *Federal-State Cooperative Program for Population Estimates*, []* []* []*, series P-26, presents annual estimates of the population by county and metropolitan area.
- *Consumer Income*, []* []* []*, series P-60, includes annual reports on money income and poverty status of families and individuals, cross-classified by various characteristics. Other reports cover the characteristics of persons receiving various nonmoney benefits, such as food stamps, medical care, public housing, and so on.

TABLE FROM CURRENT POPULATION SURVEY REPORT, SERIES P-27, FARM POPULATION

Table 13. Income of Farm and Nonfarm Families, by Race: 1980

(Families as of March 1981. For meaning of symbols, see text)

Characteristic	All races			White			Black		
	Total	Farm	Nonfarm	Total	Farm	Nonfarm	Total	Farm	Nonfarm
Total families (thousands).....	60,309	1,631	58,678	52,710	1,565	51,146	6,317	48	6,269
Percent of families by 1980 income.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	(B)	100.0
Less than \$2,500 or loss.....	2.1	7.3	1.9	1.6	7.2	1.5	5.3	(B)	5.3
\$2,500 to \$4,999.....	4.1	4.4	4.1	3.3	4.2	3.2	11.3	(B)	11.3
\$5,000 to \$7,499.....	6.2	9.7	6.1	5.3	9.6	5.2	13.4	(B)	13.3
\$7,500 to \$9,999.....	6.5	9.1	6.4	6.0	8.8	5.9	10.4	(B)	10.4
\$10,000 to \$14,999.....	14.2	17.4	14.1	13.9	17.3	13.8	16.8	(B)	16.8
\$15,000 to \$19,999.....	14.0	13.0	14.0	14.1	13.1	14.2	12.8	(B)	12.8
\$20,000 to \$24,999.....	13.7	12.4	13.7	14.2	12.7	14.2	10.2	(B)	10.3
\$25,000 to \$29,999.....	11.2	8.8	11.3	11.8	8.9	11.9	6.7	(B)	6.7
\$30,000 to \$34,999.....	8.6	5.1	8.7	9.0	5.1	9.1	5.1	(B)	5.1
\$35,000 to \$39,999.....	6.0	3.9	6.0	6.3	4.0	6.4	3.4	(B)	3.4
\$40,000 to \$44,999.....	4.2	2.8	4.2	4.4	2.9	4.5	1.9	(B)	1.9
\$45,000 to \$49,999.....	2.7	1.7	2.7	2.8	1.6	2.9	1.1	(B)	1.1
\$50,000 and over.....	6.7	4.3	6.7	7.2	4.5	7.3	1.7	(B)	1.7
Median income.....dollars..	21,023	15,755	21,151	21,904	16,076	22,060	12,674	(B)	12,701
Mean income.....dollars..	23,974	18,957	24,113	24,939	19,194	25,114	15,806	(B)	15,818
Percent of families—									
Below poverty level.....	10.3	14.0	10.2	8.0	13.1	7.8	28.9	(B)	28.9
Above poverty level.....	89.7	86.0	89.8	92.0	86.9	92.2	71.1	(B)	71.1
Percent of persons—									
Below poverty level.....	13.0	17.5	12.9	10.2	16.5	10.0	32.5	30.2	32.5
Above poverty level.....	87.0	82.5	87.1	89.8	83.5	90.0	67.5	69.8	67.5

Source: March 1981 Current Population Survey. Based on 1980 census population controls; see appendix B.

With respect to the periodic housing statistics, the Annual Housing Survey provides statistics on urban and rural housing units. The principal data series drawn from the survey, *Annual Housing Survey*, [] * [] ⊕ +, series H-150, shows data from a national sample in six reports (parts) that provide information on size and composition of the Nation's housing inventory. Part E, *Urban and Rural Housing Characteristics*, may be of special interest to agriculture census data users. (Beginning with the reports for 1984, this series' title is changed to "American Housing Survey.")

STATISTICAL COMPENDIA

- *Statistical Abstract of the United States* [year], [] * [] ⊕ +. Standard annual summary of statistics on social, political, and economic organization of the United States. Also includes a guide to sources.
- *Historical Statistics of the United States, Colonial Times to 1970* (a *Statistical Abstract* supplement), [] * [] ⊕ + (sold

only in sets). The two parts contain more than 12,500 statistical series on subjects ranging from population and land area to production figures for crops and manufactured products.

- *County and City Data Book, 1983*, [] * [] ⊕ +. Presents data from recent censuses, other Government agencies, and private sources. Provides statistics for each county and for cities with a population of 25,000 or more, as well as SMSA's, States, census regions, and census divisions. The *County and City Data Book* serves as a convenient compendium of small-area data from the economic and agriculture censuses, although 1977 statistics (1978 for agriculture) were the latest available at the time of publication.
- *State and Metropolitan Area Data Book, 1982* (a *Statistical Abstract* supplement), [] * [] ⊕ +. Presents a variety of statistical information for States, divisions, regions, and SMSA's. Data are drawn from the censuses and 60 other governmental and private sources. The next edition, tentatively scheduled for 1985, will include data from each of the 1982 economic and agriculture censuses.

Obtaining the Data

REFERENCE SOURCES

The following sources provide information on the availability and cost of the Bureau's various products:

- Publication order forms, [] + (free). These are small brochures issued periodically to announce the publication of report series or products. They usually include a form that can be used to order already-published reports, request subscription service, or place a standing order with the Government Printing Office (GPO) for the series. The order form will provide prices and GPO stock numbers only for those reports already issued at the time, so the user may need to consult other sources (such as the *Monthly Product Announcement*) or Customer Services Branch, DUSD (see below). These brochures are distributed at conventions and other user gatherings and are in display racks at Bureau regional and Commerce district offices. Individual copies also are available + .
- *Data User News*, [] (subscription*, single copies or free sample copy+) is a monthly newsletter on activities, products, and services from the Bureau of the Census. Reports and tapes are announced as they become available. Occasional descriptive articles highlight important features of publications, describe aspects of census or survey methodology, or cite applications of the data.
- *Factfinder for the Nation*, [] + (single copies free) is a series of pamphlets providing brief descriptions of Bureau of the Census statistical programs for various areas (No. 3 covers "Agricultural Statistics") and other services.
- *Bureau of the Census Catalog*, [] * is an annual volume describing all Bureau publications and other products issued during a particular reference period (cumulative from 1980 on). (The 1981 *Catalog* carries a special section listing all the products issued from the 1977 Economic Censuses and the 1978 Census of Agriculture.)
- *Monthly Product Announcement*, [] + (free) lists publications, data files on computer tape, microfiche, and maps, together with prices and ordering information and forms.
- Write or telephone Customer Services (DUSD), Bureau of the Census, Washington, D.C. 20233, (301) 763-4100.

OBTAINING SPECIFIC PRODUCTS

Most of the Bureau's published reports are sold by:

- * Superintendent of Documents
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(202) 783-3238

Public-use computer tapes and some published items are obtained from:

- + Customer Services
Data User Services Division
Bureau of the Census
Washington, D.C. 20233
(301) 763-4100

Some 1982 Census of Agriculture data tapes are sold on a special order basis (see ch. 2, p. 7).

Government Printing Office (GPO) and Bureau of the Census order forms are included at the back of this guide.

SPECIAL TABULATIONS

Special tabulations can be prepared for users with specific requirements that cannot be met either by the published statistics or by the public-use tapes. These tabulations can be furnished at cost on computer tape or as computer printouts. Requests for information and/or quotations for special tabulations of agriculture census data should be made to:

- Chief, Agriculture Division
Bureau of the Census
Washington, D.C. 20233

and for other censuses or surveys:

- Director
Bureau of the Census
Washington, D.C. 20233

REFERENCE COLLECTIONS

General Information

Bureau publications are routinely distributed to selected Government offices, public agencies, and certain libraries. Reference collections of Bureau products are maintained by various agencies. In some cases, specific products may be purchased from these agencies.

Current and Past Reports

- Government and Census Depository Libraries (about 1,300 in all; list on request +) are public institutions in various parts of the country, including colleges and universities. Most collections are open to general public use and/or available on interlibrary loan. Some of the holdings are on microfiche.

- Department of Commerce and Bureau of the Census Libraries have the most extensive collections:

U.S. Department of Commerce
Reference Room 7043
Herbert C. Hoover Building
14th St., between Constitution Ave. & "E" St., NW.
Washington, D.C. 20230
(202) 377-2161

Bureau of the Census Library
Reference Room 2475, Federal Bldg. 3
Suitland & Silver Hill Rds.
Suitland, Md. (mail: Washington, D.C. 20233)
(301) 763-5402

Current Reports

- State Data Centers and their affiliates are located in virtually every State, the District of Columbia, Puerto Rico, and the Virgin Islands. (List on request + .)
- Department of Commerce district offices in 47 cities (see local telephone directories for addresses).
- Census Bureau regional offices (see list at the end of this section).

Public-Use Computer Tapes

- State Data Centers and their affiliates (see above; list on request +).


- The Bureau's National Clearinghouse for Census Data Services maintains a list (copy on request +) of organizations that offer tape printouts and other services to their customers.

ADDITIONAL INFORMATION AND ASSISTANCE

Among the additional sources of information and assistance available to the public through the Bureau of the Census are:

- Information services specialists at the Bureau's 12 regional offices (see list at the end of this section) and in Washington (Customer Services, DUSD, (301) 763-4100) can answer questions about publications and other products, assist users in the access and use of Bureau data and in specific applications, and conduct workshops or make presentations for groups interested in Census Bureau programs and products.
- Agriculture subject-matter specialists, located at Bureau headquarters, also can be contacted concerning specific problems or requests:

Agriculture Division: John Berry, Chief	(301)763-5230
General Information: Mary Burch	763-1113
Crop Statistics Branch: Donald Jahnke	763-1939
Farm Economics Branch: John Blackledge	763-5819
Livestock Statistics: Thomas Monroe	763-1081
Puerto Rico, Guam, etc.: John Womack	763-5509

- Telephone Contacts for Data Users  (free +) is a list of specialists within the Bureau of the Census for over 175 different technical subjects of interest to users.

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