1982 Census of Agriculture

Volume 2
SUBJECT SERIES

Part 1
Graphic Summary

U.S. Department of Commerce
BUREAU OF THE CENSUS
The publications from the 1982 Economic and Agriculture Censuses are dedicated to the memory of Shirley Kallek, Associate Director for Economic Fields. During her career at the Bureau of the Census (1955 to 1983), she continually directed efforts to improve the timeliness and accuracy of economic statistics.
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U.S. Department of Commerce
Malcolm Baldrige, Secretary
Clarence J. Brown, Deputy Secretary
Sidney Jones, Under Secretary for Economic Affairs

BUREAU OF THE CENSUS
John G. Keane, Director
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This report was prepared in the Agriculture Division under the general supervision of John H. Berry, Chief, his successor, Charles P. Pautler, Jr., and George E. Pierce, Assistant Division Chief. Douglas J. Miller assisted by Francis D. Tolson was directly responsible for development of the subject matter content, review of the data displayed on the maps, and preparation of the text. Diane J. Simmons, Morris A. Murray, and Wilma C. Tarry under the direction of Billy E. Stark, Branch Chief, were responsible for the computer programming. Cecelia H. Peets, Karin G. Beach, and Janet T. Robertson provided publication’s liaison and editorial services.

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INTRODUCTION

AUTHORITY, AREA COVERED, AND HISTORY
The 1982 Census of Agriculture was taken in accordance with the provisions of title 13, United States Code (Public Law 93-86). Sections 142 (a) and 191 of title 13 provide for a census of agriculture every 5 years in each State, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands. The 1982 census is the 22d nationwide census of agriculture and the 4th conducted primarily by mail.

SOURCES OF INFORMATION
The data used in preparing the charts and maps shown were obtained from the 1982 Census of Agriculture. Detailed statistics for States and counties may be found in Volume 1, Geographic Area Series, of the 1982 census reports. Data from 1978 and 1982 were derived from the corresponding mail enumeration.

FARM DEFINITION
The current farm definition used for statistics in this report was announced on August 12, 1975, and defines a farm as any place from which $1,000 or more of agricultural products were sold or normally would have been sold during the census year.

METHOD OF ENUMERATION
The 1982 Census of Agriculture was conducted primarily by mail for maximum economy, appendix A of Volume 1, Geographic Area Series, provides a more detailed description of how the 1982 census was taken.

AGRICULTURE-SUBJECT SERIES

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

LIMITATIONS OF DATA
Every census or survey has some errors. These can arise from incorrect or incomplete reporting, incorrect processing, and the inability to obtain a response from all farmers. Reported data may be incorrect due to misunderstanding of questions or the use of estimates in reporting. During processing, adjustments are made to data items which appear to be inconsistent with other items. Some respondents fail to provide all of the information requested. In some cases, the respondent may indicate the presence of an item but not the amount. Imputations are made for missing data on the quantities and sales values of crops and livestock, but not for such items as direct sales, Commodity Credit Corporation (CCC) activity and agricultural services provided others.

For a detailed description of coverage and data limitations, see volume 2, Part 2 Coverage Evaluation, of the 1982 Census of Agriculture.

USE OF SAMPLING
Some data items were collected from only a sample of farms. Data based on a sample are subject to sampling error. Detailed discussions of the census report forms, the use of sampling, and estimates of sampling error are included in appendix A, Volume 1, Geographic Area Series.
SUMMARY OF MAPPED DATA

The maps in this report show data only for 1982, except for those showing increase or decrease. The 1982 total for each item mapped is shown at the end of this section along with the comparable 1978 total.

Data on acreages and inventories for 1982 and 1978 are generally comparable. Dollar figures shown for expenses and agricultural product sales have not been adjusted for changes in price levels between census years.

FARMS

All farms—Denotes all places on which agricultural operations were conducted at any time in the census year under the day-to-day control of an individual management, and from which $1,000 or more of agricultural products were sold or would normally have been sold in 1982.

Farms with sales of $10,000 and over—Denotes farms with sales of agricultural products amounting to at least $10,000, excluding farms such as prison farms, hospital farms, church farms, school farms, experimental farms, Indian reservations, and grazing associations.

VALUE OF LAND AND BUILDINGS

The value of land and buildings reported for the census is the farm operators estimate of market value; i.e., the price for which the land and buildings would sell at the time the census was taken. If the value of land and buildings was not reported or was incomplete, an estimate was supplied during processing by using the average value per acre of land and buildings for farms of approximately the same size having similar characteristics in the same area.

The total value of land and buildings for all farms in the United States was $774 billion. The average value per farm was $345,869, and the average value per acre was $784.

For many groups of counties in the West, the maps exhibiting value of land and buildings per farm show reverse patterns as compared with maps showing value of land and buildings per acre; i.e., many counties in high value-per-farm categories appear in low value-per-acre categories. This reverse relationship between the two pattern maps happens because a large proportion of land in farms is comprised of low value-per-acre rangeland, and the extremely large average size of the farms and ranches offsets the low average-per-acre value, resulting in high average-per-farm values.

SIZE OF FARMS

Although the number of farms in the United States has dropped drastically in the last 40 years, the acreage of land in farms has changed only moderately; as a result, the average size of a farm is now nearly two and one-half times what it was in 1945.

The trend since 1945 until the 1978 census had been a decrease in the number of farms for each of the size groups under 500 acres and an increase in the number of farms in size groups over 500 acres. However, the results of better coverage for 1978 and 1982, along with growth in part-time farm numbers in many areas, show an increase in farms less than 100 acres in size. Part of this is due to the inflationary effect on the value of sales resulting in more places being classified as farms.

Size of farm measured only by acres operated is often not a complete measure of the size of the farm business due to large variations in the productivity of land or in the intensity of activity. For example, average value of farm products sold per acre of farmland can vary from such extremes as $1,864 per acre in Suffolk County, NY, to less than $11 per acre in Elko County, NV.

STANDARD INDUSTRIAL CLASSIFICATION OF FARMS

All agricultural establishments (farms, ranches, nurseries, greenhouses, etc.) in the 1982 census were classified by type of principal activity or activities using the standard industrial classification system.

In order for a farm to be classified within a particular industry, the value of sales in 1982 from a product or group of products had to represent 50 percent or more of the total value of sales of agricultural products sold.
Wildcat Farms (011)

These farms receive 50 percent or more of their total sales from wheat, rice, corn, sorghum, soybeans, other small grains, cowpeas, dry field and seed beans and peas, popcorn, lentils, and mustard and safflower seed.

Cash grain farms increased in number from 573,798 in 1978 to 576,548 in 1982. They comprise 25.7 percent of all farms. They average 499 acres in size and $58,525 in value of agricultural products sold. The largest concentration of cash grain farms is in the Midwest, where corn and soybeans are the principal crops sold.

Wheat farms (0111)—Wheat farms are cash grain farms which receive 50 percent or more of their total sales of agricultural products from wheat. They account for 16.7 percent of the total cash grain farms and average 958 acres in size and $50,789 in value of agricultural products sold. The largest concentration of wheat farms is in the Dakotas, Nebraska, Kansas, Oklahoma, Montana, Washington, and Oregon.

Rice farms (0112)—Rice farms are those which receive 50 percent or more of their total value of agricultural products sold from rice. They average 841 acres in size and $159,469 in value of agricultural products sold. They are primarily located in Arkansas, Mississippi, Louisiana, California, and on the gulf coast of Texas.

Corn farms (0115)—Corn farms are those which receive 50 percent or more of their total sales from corn. They comprise 30.6 percent of the cash grain farms and 7.9 percent of all farms. They average 332 acres in size and $62,318 in value of agricultural products sold. These farms are mostly concentrated in the East North Central States.

Soybean farms (0116)—Soybean farms are those which receive 50 percent or more of their total sales from soybeans. They account for 22.5 percent of the cash grain farms and 5.8 percent of all farms. They average 275 acres in size and $34,906 in value of agricultural products sold. They are primarily located in the Midwest¹ States, east of the Mississippi River, and along the Mississippi River in Missouri, Arkansas, Tennessee, Mississippi, and Louisiana.

Field Crops, Except Cash Grains (013)

Cotton farms (0131)—Cotton farms are those which receive 50 percent or more of their sales from cotton. Cotton farms average 836 acres in size and $149,767 in value of agricultural products sold. They are located almost entirely in the South and in irrigated areas of the Southwest. About 73 percent of the bales of cotton harvested comes from places classified as cotton farms.

Tobacco farms (0132)—Tobacco farms are those which receive 50 percent or more of their total sales from tobacco. These farms comprise 5.9 percent of all farms. They are the smallest, both in terms of average size (105 acres) and value of sales from agricultural products sold ($21,196). Nearly all tobacco farms are in six Southern States—North Carolina, South Carolina, Virginia, Kentucky, Tennessee, and Maryland. Over 78 percent of all tobacco harvested on farms comes from tobacco farms.

Sugar crop farms (0133)—Sugar crop farms are those which receive 50 percent or more of their total sales of agricultural products from the sale of sugar beets or sugarcane. They average 904 acres in size and $334,824 in value of agricultural products sold. These farms are located in the irrigated areas of the Western States (sugar beets) and in Florida, Louisiana, and Hawaii (sugarcane).

Irish potato farms (0134)—These farms receive 50 percent or more of their total sales from the sale of Irish potatoes. They average 579 acres in size and $213,872 in value of farm products sold. Most of them are located in Maine, Idaho, and North Dakota.

Vegetable and Melon Farms (016)

Farms are classified in this group if 50 percent or more of their total agricultural sales are from the sale of vegetables or melons. They are widely scattered, with significant concentrations in California, Michigan, Wisconsin, New Jersey, New York, Florida, and Texas. The production of vegetables and melons is concentrated on a relatively small number of large, highly specialized farms.

Fruit and Tree Nut Farms (017)

Fruit and tree nut farms receive 50 percent or more of their total value of agricultural sales from berries, grapes, tree nuts, citrus fruits, deciduous tree fruits (apples, peaches, pears, etc.), and other fruits and nuts (pineapples, olives, dates, etc.). These farms are highly specialized in that they account for 94.3 percent of the value of all fruits, nuts, and berries sold and 86 percent of all land in orchards on all farms.

Horticultural Specialty Farms (018)

A horticultural specialty farm must receive 50 percent or more of its total sales from the sale of ornamental plants, nursery products, and food crops grown under cover. This type of farm tends to be located close to large urban areas.

General Farms, Primarily Crop (019)

Any farm receiving 50 percent or more of its total value of sales of agricultural products from crops, but less than 50 percent from products of any other single crop group, is classified as a general farm, primarily crop.

Livestock, Except Dairy, Poultry, and Animal Specialties (021)

These farms receive 50 percent or more of their total value of agricultural products from the sale of beef cattle, hogs, sheep, and goats.

Beef cattle feedlots (0211)—Beef cattle feedlots are farms which receive 50 percent or more of their total sales of agricultural products from the sale of beef cattle fattened for a period of at least 30 days. This group includes beef cattle which are fed on a contract or fee basis.

¹ Formerly North Central.

XIV EXPLANATION OF MAPPED DATA

AGRICULTURE-SUBJECT SERIES
Beef cattle farms, except feedlots (0212)—Beef cattle farms, except feedlots, derive 50 percent or more of their total value of agricultural products sold from the sale of nonfattened beef cattle.

Hog farms (0213)—Hog farms derive 50 percent or more of their total value of agricultural products sold from the sale of hogs and pigs. These farms are most concentrated in the corn belt States.

Sheep and goat farms (0214)—Sheep and goat farms receive 50 percent or more of their total value of agricultural products sold from the sale of sheep, goats, goat’s milk, wool, and mohair. These farms are primarily located in Texas, California, and other Western States.

Dairy Farms (024)

Dairy farms receive 50 percent or more of their total value of agricultural products sold from the sale of milk and cream. In addition, farms with 30 percent or more of total sales from milk and cream are classified as dairy farms provided that milk cows represent 50 percent or more of the total cows, and the value of dairy products sold plus the value of cattle and calves sold amount to 50 percent or more of the total value of all agricultural products sold.

Poultry and Egg Farms (025)

Poultry farms are those which receive 50 percent or more of their value of sales of agricultural products from chickens, chicken eggs, broilers, turkeys, turkey eggs, hatched chicks, and other poultry and poultry products. Poultry farms account for 97.7 percent of the value of sales of all poultry and poultry products, 98.9 percent of broilers sold, and 98.0 percent of turkeys sold. Although poultry farms are found throughout the country, their greatest concentration is in the broiler producing areas of Arkansas, Georgia, Alabama, North Carolina, Mississippi, Maryland, and Texas.

Animal Specialty Farms (027)

Animal specialty farms are those which receive 50 percent or more of their total value of agricultural sales from the sale of furbearing animals, rabbits, horses, mules, donkeys, ponies, honey, fish, worms, and other animal specialties.

General Farms, Primarily Livestock (029)

These farms receive 50 percent or more of their value of agricultural products sold from the sale of livestock and livestock products, including animal specialties, but less than 50 percent from any single livestock or livestock product group.

VALUE OF SALES

The value of sales represents the gross market value before taxes and production expenditures of all agricultural products sold or removed from the place in 1982 regardless of who received or shared in the payment. It includes receipts by the operator as well as the value of any shares received by partners, landlords, contractors, and others associated with the place.
under cultivation nor used for pasture or grazing. In general, all grazing lands were to be included as land in farms except lands used for grazing livestock under permit or special license on a per-head-of-animal unit basis.

Total cropland—This includes the sum of acreage for cropland harvested, cropland used for pasture or grazing, cropland used for cover crops, cropland on which all crops failed, cropland in cultivated summer fallow, and idle cropland.

Harvested cropland—This includes all land from which crops were harvested, including hay cut, and all land in orchards, citrus groves, and nursery and greenhouse products.

Pastureland—This is the sum of all types of pastureland. It includes cropland used only for pasture or grazing, woodland pastured, and other pastureland and rangeland.

Irrigated land—This is land in farms watered for agricultural purposes by artificial means.

MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD

Farm operators were asked to report the market value of all agricultural products sold from the place in 1982. All sales of agricultural products during the year were to be reported regardless of when the crop was harvested or when livestock or their products were raised or produced.

Data for the sales of farm products represent total sales for the entire farm regardless of who shared the receipts. For tenant-operated farms, the landlord’s share of the agricultural products was considered as sold provided the products were moved off the tenant farm. Contract producers were to report estimates of the market value of the commodities produced rather than the amount received from the contractor.

DIRECT SALES

Direct sales is the value of agricultural products produced and sold directly to individuals for human consumption. This includes the sales of any crops, such as vegetables, fruit, cattle, hogs, sheep, chickens, turkeys, milk, cream, eggs, etc. Sales from roadside stands, farmers’ markets, pick your own activities, etc., were to be included.

CUSTOMWORK AND OTHER AGRICULTURAL SERVICES

This includes the gross amount received before taxes and expenses for any customwork performed for others such as plowing, planting, spraying, harvesting, preparing products for market, etc., for which the farm operator was paid.

FARM PRODUCTION EXPENSES

Farm production expenses are expenses paid by anyone for the production on the farm of crops, poultry, livestock, and other agricultural products. Tenant farmers were instructed to report expenses by landlords for agricultural operations on the farm as well as their own expenses. Farm operators who rent part of their land to others were to report only those expenses applicable to the land they actually operated. Contract producers who produced crops, poultry, or livestock for others under contract were to report the estimated cost of all items furnished by the contractor. These items were asked on a sample basis. Further explanation and sample reliability can be found in appendix A in volume 1.

HIRED FARM LABOR

The number of hired farm workers includes all persons hired to do farm or ranch labor for cash payments. This labor may include everyone from regular farmwork to record keeping necessary to the agricultural operation. Members of the farm operators’ families were included if they received cash payments. Workers working for contractors under contract to the farm operator, salaried corporation officers, unpaid family members, and persons employed by a labor contractor were excluded. Operators of hired machines were excluded if their pay was included in the cost of the customwork.

Considerable duplication exists in the count of hired workers reported working 149 days or less. Many are seasonal workers in vegetable and fruit producing areas. In the census statistics, the same workers may be counted several times as they move from farm to farm. These items were asked on a sample basis. Further explanation and sample reliability can be found in appendix A in volume 1.

MACHINERY AND EQUIPMENT ON PLACE

Farm operators estimated the market value of all machinery and equipment usually kept on the farm and used for the farm business. The reported value represents an estimate of how much the machinery and equipment would sell for in its present condition, not the replacement cost or the depreciated value.

Inventory of selected items of farm equipment includes only the equipment owned, leased, rented, or temporarily borrowed from others that was on the farm on December 31, 1982, and that was used for the farm business in 1981 or 1982. These items were asked on a sample basis. Further explanation and sample reliability can be found in appendix A in volume 1.

AGRICULTURAL CHEMICALS USED

Fertilizer—Data on acreage fertilized were collected for harvested cropland and for pastureland. When the same crop was fertilized two or more times, the acreage was to be reported only once. If two different crops or two different plantings of the same crop were fertilized in 1982 from the same acreage, the acreage of each crop or planting fertilized was to be reported only once.

Lime—Data include acreage limed and tonnage of lime and liming materials applied to the soil in 1982. Gypsum, plaster, and lime used for spraying or sanitation purposes are excluded.

Other agricultural chemicals—Data include the cost of insec­ticides, herbicides, fungicides, nematicides, and other pesticides and chemicals used on the farm in 1982. This data excludes the cost of application.

Acres treated more than one time with the same chemical is included only once. However, the cost of all the materials
applied was to be reported. When multipurpose chemicals were used, the acreage treated for each purpose was included. These items were asked on a sample basis. Further explanation can be found in appendix A in volume 1.

**ENERGY EXPENSES**

Farm operators were instructed to report the cost of major types of energy and petroleum products used for the farm business. This was the second census where electricity expenses were obtained as a separate item. These items were asked on a sample basis. Further explanation and sample reliability can be found in appendix A in volume 1.

**LIVESTOCK AND POULTRY—INVENTORY AND SALES**

**Inventory**—Livestock and poultry inventories are reported as of December 31, 1982. These include all animals kept on the place regardless of ownership, including livestock or poultry being custom fed or fed on contract for others.

**Sales**—Livestock and poultry sold include all animals sold or removed from the place during the year regardless of ownership. Those sold for a landlord or given to others in trade or in payment for goods and services as well as those custom fed or for others to be included. Animals bought and sold within a 30-day period were to be excluded.

The value of livestock and poultry sold represents the gross sales value before deducting any marketing or production costs. For livestock or poultry fed under contract for others, the estimated market value is at the time they were taken from the place.

**CROPS**

In 1982, sales of crops including nursery products and hay amounted to $62.3 billion which accounted for 47.2 percent of the value of all agricultural products sold.

**Crops harvested**—In 1982, nearly all of the acres reported for individual crops represent acres harvested except for a small part of the acreage of corn, sorghum, peanuts, soybeans, and cowpeas counted as harvested that was hogg ed or grazed when the crop was mature or almost mature. Since more than one crop may have been harvested from the same land during the same crop year, the sum of acres of all crops harvested exceeds the acreage of land from which crops were harvested.

Acreages of wheat, soybeans, and sunflower seeds increased significantly between 1978 and 1982. This increased acreage is reflected in decreases in other crops, especially hay, cotton, and other small grains.

**Vegetables harvested for sale**—The individual acres of each kind of vegetable harvested were reported as well as the acreage of land from which vegetables were harvested.

**Berries, fruits, and nuts**—In 1982, data for individual berries, fruits, and nuts were collected. Also, the total land in bearing and nonbearing fruit orchards, citrus or other groves, vineyards, and nut trees was reported.

**HOW THE MAPS WERE MADE**

Computer graphics techniques and technology were used in producing the maps in this report. The resultant mapping system was developed to meet an increasing demand for the rapid and economic production of maps of publication quality.

The multicolor choropleth maps and the dots maps are the products of an automated statistical mapping system developed at the Bureau of the Census. This mapping system generated a computer tape of commands that directed a plotter to draw maps on 310mm paper or film at publication size. The plotting device was a Computer Output on Microfilm (COM) unit capable of plotting a map in a few minutes. The production of maps on film at publication size reduces costs in both labor and materials.

The text on the maps was entirely computer-generated. The relative positions were determined for each of the map types. Minor adjustments to the text positions, such as centering, were calculated by the computer program. The final positions and the text itself were transmitted to the computer tape for plotting. Also, fonts and sizes were determined by the computer program. This method of text placement was more time-efficient than the previous manual method.

**Choropleth Maps**

The choropleth maps showing county classifications were prepared by a computer program that automatically created color separations for the map image on film. Each separation, or frame, showed all the counties falling within one of the data class intervals, except for the frame containing the map neatline, base map linework and text. Thus, a map showing data in five classes would have six frames of map imagery. This procedure is directly analogous to manual procedures employed by cartographers when preparing color choropleth maps. However, the maps produced by the computer are created very quickly with little manual input and also are of high quality.

The choropleth mapping system required several computer files as input. One file (provided by the Census Bureau’s Agriculture Division) contained the agricultural data by county, each county identified by its Federal Information Processing Standards (FIPS) code. Three files were combined to plot the base map linework. The linework used latitude-longitude coordinates from the Nuclear Regulatory Commission’s Oak Ridge National Laboratories Coordinate File for the coastline and coordinates from the Census Bureau’s County Boundary File for State and county boundaries for all States, except Alaska. The coordinates for Alaska were on a separate file. This combined boundary file was used to produce the area fill pattern for the counties on the color separates. The fill pattern, known as “scan” lines, consisted of overlapping horizontal lines to fill the area within a county’s boundaries. These scan lines were also identified by FIPS codes in the file.

The scan line file was processed in conjunction with the agricultural data file to produce county maps with specified data intervals. By matching FIPS codes on both files, data for each county were properly classified and portrayed on the proper map separation. The resulting computer plot tape directed the COM unit to output the class separations on 310mm film.

The class separations were screened and composited in negative form. The printer was given three composite negatives for each choropleth map, corresponding to the red, yellow, and black inks used in the printing.
Dot Maps

The dot maps were prepared by a computer program that produced one frame containing the neatline, base map line work, text, and automatically placed dots according to data-to-dot ratio for each map. However, the increase-decrease dot maps had two frames—one contained the increase information and one contained the decrease information. The program employed a 15-level land-use filter in conjunction with the scan line file used in choropleth map production to control the placement of dots within the counties. The maps were plotted by the COM unit directly on 310mm paper or, for increase-decrease maps, on 310mm film.

The dot mapping program used two features of a previous dot mapping system developed for the Census Bureau by the Cartographic Laboratory at the University of Wisconsin, Madison, WI. These features were the land-use filter and the distribution of dots by a weighting factor. The land-use filter is a file of approximately one-half million cells (each cell being approximately 5 miles x 5 miles) covering the entire conterminous United States. The land-use filter was prepared from the land-use map that was published in The National Atlas of the United States of America. Although no filter exists for Alaska or Hawaii, equivalent land-use data were compiled to produce dot maps for these States. The placement of dots within specific land-use categories in a county was controlled by probabilities based on a weighting algorithm using the data as input.

The Census Bureau’s dot mapping program converted the land-use filter into scan lines by county. The program for dot placement computed the number of dots to be placed in a county, determined the land-uses for that county and placed the proper number of dots within the appropriate land-use areas in the county. The algorithm ensures that all dots fall within the proper county. As was done for the choropleth maps, a computer tape was made to be sent to the COM unit for plotting.

---

Summary Data: 1982 and 1978

<table>
<thead>
<tr>
<th>Map</th>
<th>Number of farms</th>
<th>Census year 1978</th>
<th>Change from 1978 to 1982</th>
<th>Percent change</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1P</td>
<td>Number of farms</td>
<td>2 240 976</td>
<td>-16 799</td>
<td>-0.7</td>
</tr>
<tr>
<td>M2P</td>
<td>Percent change in number of farms</td>
<td>1 142 946</td>
<td>1 18 051</td>
<td>-13.88</td>
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<tr>
<td>M3P</td>
<td>Farms with sales of $10,000 or more</td>
<td>51.0</td>
<td>52.3</td>
<td>-2.5</td>
</tr>
<tr>
<td>M4P</td>
<td>Percent of farms with sales of $10,000 or more</td>
<td>1 096 337</td>
<td>1 075 322</td>
<td>2.0</td>
</tr>
<tr>
<td>M5P</td>
<td>Farms with sales of less than $10,000</td>
<td>46.9</td>
<td>48.0</td>
<td>5.00</td>
</tr>
</tbody>
</table>

VALUE OF LAND AND BUILDINGS (Dollars)

| M7 | Average value of land and buildings per farm | 365 869 | 279 672                  | 66 197        |
| M8 | Average value of land and buildings per acre of land in farms | 784 | 619                        | 165.0         |

FARMS BY SIZE

| M9P | Average size of farm (acres) | 640 | 469                       | 1.4           |
| M10P | Average size of farm with sales of $10,000 or more (acres) | 708 | 703                       | 0.7           |

Farms with less than 50 acres | 708 | 703                       | 0.7           |

Farms with 50 to 179 acres | 711 652 | 739 040                  | 27 395        |

Farms with 180 to 259 acres | 211 685 | 233 854                  | 22 369        |

Farms with 260 to 499 acres | 315 025 | 347 777                  | 32 752        |

Farms with 500 to 999 acres | 203 925 | 213 209                  | 9 284         |

Farms with 1,000 acres or more | 161 972 | 161 101                  | 871           |

Farms with 2,000 acres or more | 64 277 | 63 301                  | 1 276         |

FARMS BY STANDARD INDUSTRIAL CLASSIFICATION

| M18 | Cash grain farms--Industry Group 011 | 576 548 | 573 798                  | 2 750         |
| M19 | Wheat farms--Industry Group 011      | 96 330  | 73 782                  | 22 548        |
| M20 | Rice farms--Industry Group 011       | 618 552 | 593 040                  | 27 395        |
| M21 | Corn farms--Industry Group 015       | 176 652 | 168 695                  | 7 575         |
| M22 | Soybean farms--Industry Group 016    | 129 607 | 187 055                  | -57 448       |

Farms with less than 50 acres | 636 917 | 542 787                  | 94 130        |

Farms with 50 to 179 acres | 711 652 | 739 040                  | 27 395        |

Farms with 180 to 259 acres | 211 685 | 233 854                  | 22 369        |

Farms with 260 to 499 acres | 315 025 | 347 777                  | 32 752        |

Farms with 500 to 999 acres | 203 925 | 213 209                  | 9 284         |

Farms with 1,000 acres or more | 161 972 | 161 101                  | 871           |

Farms with 2,000 acres or more | 64 277 | 63 301                  | 1 276         |

FARMS BY VALUE OF SALES

| M43 | Farms with sales of $1,000 to $2,499 | 536 327 | 460 535                  | 75 792        |
| M44 | Farms with sales of $2,500 to $4,999 | 278 208 | 300 699                  | -22 491       |
| M45 | Farms with sales of $5,000 to $9,999 | 281 802 | 314 088                  | -32 286       |
| M46 | Farms with sales of $10,000 to $19,999 | 259 607 | 299 215                  | -40 608       |
| M47 | Farms with sales of $20,000 to $99,999 | 248 825 | 299 275                  | -50 350       |
| M48 | Farms with sales of $100,000 to $299,999 | 332 751 | 360 093                  | 27 342       |
| M49 | Farms with sales of $300,000 or more | 213 912 | 165 493                  | 30 419       |

Farms with sales of $200,000 or more | 86 669 | 56 375                  | 30 293       |

Farms with sales of $200,000 or more | 39.5 | 39.3                       | 0.2           |

Farms with sales of $200,000 or more | 1.32 773 | 1.29 702                  | 27 871        |

Farms with sales of $200,000 or more | 59.2 | 57.5                       | 1.7           |

Farms with sales of $200,000 or more | 656 249 | 681 313                  | -26 863       |

Farms with sales of $200,000 or more | 25.9 | 26.2                       | -0.3           |

Farms with sales of $200,000 or more | 258 956 | 278 761                  | -19 807       |

Farms with sales of $200,000 or more | 1 294 012 | 401 402                  | 1 893 626     |

Farms with sales of $200,000 or more | 38.9 | 40.0                       | -1.2          |

Farms with sales of $200,000 or more | 54 267 | 57 080                  | -60     |

Farms with sales of $200,000 or more | 50.3 | 50.3                       | 0.2           |

Farms with sales of $200,000 or more | 39.5 | 39.3                       | 0.2           |

See footnotes at end of table.

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 1

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Census year</th>
<th>Change from 1978 to 1982</th>
<th>Percent change</th>
</tr>
</thead>
<tbody>
<tr>
<td>M09</td>
<td>Farm operators reporting principal occupation as farming.............</td>
<td>1 234 787</td>
<td>-34 518</td>
<td>-2.7</td>
</tr>
<tr>
<td>M09P</td>
<td>Percentage of farm operators reporting principal occupation as farming..</td>
<td>55.1</td>
<td>-1.0</td>
<td>-2.0</td>
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<tr>
<td>M10</td>
<td>Farm operators reporting principal occupation as other than farming..</td>
<td>1 006 189</td>
<td>17 719</td>
<td>1.8</td>
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<tr>
<td>M10P</td>
<td>Percentage of farm operators reporting principal occupation as other than farming.</td>
<td>44.9</td>
<td>1.1</td>
<td>2.5</td>
</tr>
</tbody>
</table>

FARM BY TYPE OF ORGANIZATION

| M73        | Farms operated by individual or family.................................. | 1 945 639   | -20 211                  | -1.0           |
| M74P       | Percent of land in farms operated by individual or family........ | 65.1        | -1.2                     | -1.8           |
| M75        | Farms operated by partnership........................................... | 223 276     | -9 264                   | -4.0           |
| M76P       | Percent of land in farms operated by partners........................ | 15.6        | -0.2                     | -1.3           |
| M77        | Farms operated by corporation........................................... | 59 792      | 9 561                    | 19.0           |
| M78P       | Percent of land in farms operated by corporation.................... | 12.9        | 1.1                      | 9.3            |

LAND IN FARMS AND LAND USE (ACRES)

| M79        | Land in farms............................................................... | 986 796 579 | -27 980 655               | -2.8           |
| M80P       | Land in farms as a percent of land area.................................. | 43.6        | -1.2                     | -2.7           |
| M81        | Land in farms—change in acres............................................ | 986 796 579 | -27 980 655               | -2.8           |
| M82        | Total cropland.............................................................. | 445 562 150 | -8 512 105               | -1.9           |
| M83        | Total cropland—change in acres.......................................... | 45.1        | 0.4                      | 0.9            |
| M84P       | Total cropland as a percent of land in farms.......................... | 19.7        | -1.5                     | -8.5           |
| M85P       | Total cropland as a percent of land in farms.......................... | 45.1        | 0.4                      | 0.9            |
| M86        | Harvested cropland........................................................ | 326 306 462 | 9 150 507                | 2.9            |
| M87        | Harvested hay as a percent of land in farms........................... | 33.1        | 1.8                      | 5.8            |
| M88P       | Harvested cropland as a percent of land in farms..................... | 33.4        | -0.9                     | -1.7           |

IRRIGATION (ACRES)

| M90        | Irrigated land in farms.................................................. | 49 002 423  | -1 347 473               | -2.7           |
| M91        | Irrigated land—change in acres......................................... | 49 002 423  | -1 347 473               | -2.7           |
| M92P       | Percent of land in farms irrigated.................................... | 5.0         | 0.0                      | 0.0            |
| M93P       | Percent of harvested cropland irrigated............................... | 21.7        | 7.7                      | 55.0           |
| M94        | Irrigated pastureland and other land.................................. | 4 569 425   | -2 100 662               | -31.5          |
| M95P       | Irrigated field corn for all purposes by county........................ | 9 352 296   | -31 426                  | -0.3           |
| M96P       | Irrigated sorghum for all purposes by county.......................... | 2 139 392   | 135 106                  | 6.3            |
| M97P       | Irrigated cotton by county.............................................. | 4 676 655   | -1 253 821               | -26.8          |
| M98P       | Irrigated wheat by county.............................................. | 3 053 130   | 1 947 611                | 54.9           |
| M99P       | Irrigated alfalfa hay by county....................................... | 5 530 813   | -341 450                 | -5.8           |

MARKET VALUE OF AGRICULTURAL PRODUCTS SOLD (DOLLARS)

| M100       | Market value of agricultural products sold........................... | 131 900 223  | 24 826 765 000           | 23.2           |
| M101P      | Market value of agricultural products sold by county.................. | 107 073 658  | 24 826 765 000           | 23.2           |
| M102P      | Average value per farm of agricultural products sold.................. | 58 858      | 11 434                   | 24.1           |
| M103P      | Average value of agricultural products sold per acre of land....... | 134         | 28                      | 20.4           |
| M104P      | Value of agricultural products sold as a percent of value of land and buildings and market value of machinery and equipment. | 15.2 13.4 1.4 | 11.8          |
| M105       | Value of crops sold........................................................ | 62 256 087  | 16 052 887 000           | 32.9           |
| M106P      | Value of crops sold as a percent of agricultural products sold...... | 47.2 45.0 2.2 | 4.9            |
| M107P      | Average value of crops sold per acre of harvested cropland.......... | 39.7 39.0 0.7 | 25.7          |
| M108P      | Value of grains sold as a percent of agricultural products sold.... | 27.6 25.1 2.5 | 10.0          |
| M109P      | Value of cotton and cottonseed sold as a percent of agricultural products sold.................. | 2.5 2.9 0.4 | -13.8         |
| M110P      | Value of tobacco sold as a percent of agricultural products sold... | 2.1 2.2 -0.1 | -4.5          |
| M111P      | Value of livestock, poultry, and their products sold.................. | 69 644 136 000 | 10 773 878 000         | 18.3           |
| M112P      | Value of poultry and poultry products sold as a percent of agricultural products sold.................. | 7.4 7.9 0.5 | -6.3          |
| M113P      | Value of dairy products sold as a percent of agricultural products sold.......................... | 12.4 10.5 1.9 | 18.1         |
| M114P      | Value of cattle and calves sold as a percent of agricultural products sold.......................... | 24.0 27.7 -3.7 | -13.4         |
| M115P      | Value of hogs and pigs sold as a percent of agricultural products sold.......................... | 7.5 7.3 0.2 | 2.7            |
| M116P      | Value of sheep, lambs, and wool sold as a percent of agricultural products sold.......................... | 0.5 0.6 -0.1 | -16.7         |

FARM-RELATED INCOME AND DIRECT SALES (DOLLARS)

| M117       | Value of agricultural products sold directly to consumers for human consumption by county........ | 501 886 000 | 121 059 000              | 31.8           |
| M118P      | Value of agricultural products sold directly to consumers for human consumption by county........ | 380 827 000 | 121 059 000              | 31.8           |
| M119       | Income from machine work, customwork, and other agricultural services................................. | 687 496 000 | 49 829 000               | 7.8            |

SELECTED FARM PRODUCTION EXPENSES (DOLLARS)

| M120       | Expenses for livestock and poultry purchased.......................... | 17 174 334 000 135 090 000 | 7.1            |
| M121       | Expenses for livestock and poultry purchased by county.................. | 16 039 244 000 135 090 000 | 7.1            |
| M122       | Expenses for feed for livestock and poultry.......................... | 18 591 984 000 2 805 989 000 | 17.8           |
| M123P      | Expenses for feed for livestock and poultry by county.................. | 15 785 995 000 2 805 989 000 | 17.8           |
| M124P      | Expenses for commercially mixed formula feeds as a percent of all feed purchased for livestock and poultry.......................... | 36.0 55.7 0.3 | 0.5            |

See footnotes at end of table.
<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Census year</th>
<th>Change from 1978 to 1982</th>
<th>Percent change</th>
</tr>
</thead>
<tbody>
<tr>
<td>M125</td>
<td>Expenses for seeds, bulbs, plants, and trees</td>
<td>3 171 732 000</td>
<td>2 607 118 000</td>
<td>566 634 000</td>
</tr>
<tr>
<td>M129</td>
<td>Expenses for commercial fertilizer</td>
<td>7 689 365 000</td>
<td>6 330 581 000</td>
<td>1 358 784 000</td>
</tr>
<tr>
<td>M130</td>
<td>Expenses for agricultural chemicals, excluding fertilizer</td>
<td>4 282 213 000</td>
<td>2 889 503 000</td>
<td>1 392 710 000</td>
</tr>
<tr>
<td>M131</td>
<td>Average expenses per farm reporting for agricultural chemicals, excluding fertilizer</td>
<td>3 805</td>
<td>2 008</td>
<td>1 797</td>
</tr>
<tr>
<td>M132</td>
<td>Expenses for energy and petroleum products</td>
<td>9 973 865 000</td>
<td>6 025 704 000</td>
<td>3 948 161 000</td>
</tr>
<tr>
<td>M133</td>
<td>Expenses for energy and petroleum products by county</td>
<td>2 987 134 000</td>
<td>2 056 818 000</td>
<td>932 316 000</td>
</tr>
<tr>
<td>M134</td>
<td>Expenses for gasoline and gasohol</td>
<td>3 150 091 000</td>
<td>1 469 392 000</td>
<td>1 680 699 000</td>
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<tr>
<td>M135</td>
<td>Expenses for diesel fuel as a percent of all expenses</td>
<td>32.0</td>
<td>24.4</td>
<td>7.6</td>
</tr>
<tr>
<td>M136</td>
<td>Expenses for diesel fuel, butane, or propane gas</td>
<td>829 018 000</td>
<td>472 446 000</td>
<td>356 572 000</td>
</tr>
<tr>
<td>M137</td>
<td>Expenses for electricity</td>
<td>2 041 384 000</td>
<td>1 308 290 000</td>
<td>733 094 000</td>
</tr>
<tr>
<td>M138</td>
<td>Expenses for electricity as a percent of all expenses for energy and petroleum products</td>
<td>20.5</td>
<td>21.7</td>
<td>-1.2</td>
</tr>
<tr>
<td>M139</td>
<td>Expenses for hired farm labor, excluding contract labor</td>
<td>8 441 180 000</td>
<td>6 814 428 000</td>
<td>1 626 752 000</td>
</tr>
<tr>
<td>M140</td>
<td>Expenses for contract labor</td>
<td>1 103 773 000</td>
<td>898 959 000</td>
<td>206 814 000</td>
</tr>
<tr>
<td>M141</td>
<td>Expenses for machinery, machine hire, and equipment</td>
<td>2 026 693 000</td>
<td>1 750 873 000</td>
<td>273 818 000</td>
</tr>
<tr>
<td>M142</td>
<td>Expenses for customwork, machine hire, and rental of machinery</td>
<td>3 369 115</td>
<td>376 250</td>
<td>2 992 865</td>
</tr>
<tr>
<td>M143</td>
<td>Expenses for customwork, machine hire, and rental of machinery</td>
<td>3 368 115</td>
<td>367 000</td>
<td>2 992 865</td>
</tr>
<tr>
<td>M144</td>
<td>Expenses for interest for the farm business</td>
<td>1 414 963 000</td>
<td>1 202 803 000</td>
<td>212 160 000</td>
</tr>
<tr>
<td>M145</td>
<td>Expenses for interest for the farm business by county</td>
<td>1 414 963 000</td>
<td>1 202 803 000</td>
<td>212 160 000</td>
</tr>
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</table>

### Hired Farm Labor

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Census year</th>
<th>Change from 1978 to 1982</th>
<th>Percent change</th>
</tr>
</thead>
<tbody>
<tr>
<td>M150</td>
<td>Hired farm workers working 150 days or more</td>
<td>969 681</td>
<td>933 694</td>
<td>-36 987</td>
</tr>
<tr>
<td>M151</td>
<td>Hired farm workers working less than 150 days</td>
<td>3 986 376</td>
<td>4 545 500</td>
<td>-659 124</td>
</tr>
<tr>
<td>M152</td>
<td>Percent of farms reporting any hired farm labor</td>
<td>38.8</td>
<td>42.4</td>
<td>-3.6</td>
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<tr>
<td>M153</td>
<td>Percent of farms reporting any hired farm labor</td>
<td>26.9</td>
<td>36.2</td>
<td>-11.3</td>
</tr>
<tr>
<td>M154</td>
<td>Percent of farms reporting any hired farm labor</td>
<td>26.9</td>
<td>36.2</td>
<td>-11.3</td>
</tr>
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</table>

### Machinery and Equipment on Place

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Census year</th>
<th>Change from 1978 to 1982</th>
<th>Percent change</th>
</tr>
</thead>
<tbody>
<tr>
<td>M155</td>
<td>Estimated market value of all machinery and equipment on place</td>
<td>93 662 947 000</td>
<td>77 600 689 000</td>
<td>16 062 258 000</td>
</tr>
<tr>
<td>M156</td>
<td>Estimated market value of all machinery and equipment on place</td>
<td>93 662 947 000</td>
<td>77 600 689 000</td>
<td>16 062 258 000</td>
</tr>
<tr>
<td>M157</td>
<td>Acres of machinery and equipment on place</td>
<td>41 919</td>
<td>34 471</td>
<td>7 448</td>
</tr>
<tr>
<td>M158</td>
<td>Motortrucks, including pickups</td>
<td>3 435 194</td>
<td>3 137 829</td>
<td>77 365</td>
</tr>
<tr>
<td>M159</td>
<td>Motortrucks, including pickups</td>
<td>3 435 194</td>
<td>3 137 829</td>
<td>77 365</td>
</tr>
<tr>
<td>M160</td>
<td>Wheel tractors</td>
<td>4 523 849</td>
<td>4 626 228</td>
<td>-102 379</td>
</tr>
<tr>
<td>M161</td>
<td>Wheel tractors</td>
<td>4 523 849</td>
<td>4 626 228</td>
<td>-102 379</td>
</tr>
<tr>
<td>M162</td>
<td>Grain and bean combines, self-propelled—change in number</td>
<td>644 311</td>
<td>654 695</td>
<td>-10 384</td>
</tr>
<tr>
<td>M163</td>
<td>Grain and bean combines, self-propelled—change in number</td>
<td>644 311</td>
<td>654 695</td>
<td>-10 384</td>
</tr>
<tr>
<td>M164</td>
<td>Pickup balers</td>
<td>789 724</td>
<td>743 998</td>
<td>45 726</td>
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<tr>
<td>M165</td>
<td>Corr cans</td>
<td>369 115</td>
<td>367 130</td>
<td>2 025</td>
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<tr>
<td>M166</td>
<td>Cottonpickers and strippers</td>
<td>49 563</td>
<td>41 045</td>
<td>8 518</td>
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### Agricultural Chemicals Used

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<th>Map number</th>
<th>Title</th>
<th>Census year</th>
<th>Change from 1978 to 1982</th>
<th>Percent change</th>
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</thead>
<tbody>
<tr>
<td>M167</td>
<td>Acres on which commercial fertilizer was used</td>
<td>226 635 378</td>
<td>226 375 310</td>
<td>-1 760 068</td>
</tr>
<tr>
<td>M168</td>
<td>Percent of total cropland, excluding cropland pasture, on which commercial fertilizer was used</td>
<td>66.5</td>
<td>65.9</td>
<td>-0.6</td>
</tr>
<tr>
<td>M169</td>
<td>Acre of lime used</td>
<td>11 607 206</td>
<td>16 493 392</td>
<td>4 886 186</td>
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<tr>
<td>M170</td>
<td>Average tons of lime applied per acre</td>
<td>1.7</td>
<td>1.7</td>
<td>0.0</td>
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<tr>
<td>M171</td>
<td>Acres of crops, including hay treated for insect control</td>
<td>72 888 089</td>
<td>75 888 060</td>
<td>-3 000 011</td>
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<tr>
<td>M172</td>
<td>Acres of crops treated for nematodes</td>
<td>22.3</td>
<td>23.9</td>
<td>-1.6</td>
</tr>
<tr>
<td>M173</td>
<td>Acres of crops treated for nematodes</td>
<td>7 532 545</td>
<td>8 804 521</td>
<td>-1 272 976</td>
</tr>
<tr>
<td>M174</td>
<td>Acres of crops treated for nematodes as a percent of harvested cropland</td>
<td>2.3</td>
<td>2.8</td>
<td>-0.5</td>
</tr>
<tr>
<td>M175</td>
<td>Acres treated with chemicals for defoliation or for growth control of crops or thinnings or fruit</td>
<td>176 871 096</td>
<td>164 617 114</td>
<td>12 253 982</td>
</tr>
</tbody>
</table>

See footnotes at end of table.
### Summary Data: 1982 and 1978—Con.

<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Census year</th>
<th>Change from 1978 to 1982</th>
<th>Percent change</th>
</tr>
</thead>
<tbody>
<tr>
<td>M179</td>
<td>Cattle and calves—inventory</td>
<td>106,475,827</td>
<td>103,865,109</td>
<td>610,718</td>
</tr>
<tr>
<td>M180</td>
<td>Cattle and calves—change in inventory</td>
<td>95,653</td>
<td>90,975</td>
<td>4,678</td>
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<tr>
<td>M181P</td>
<td>Cows and heifers that had calved—inventory</td>
<td>45,052,497</td>
<td>44,547,966</td>
<td>404,531</td>
</tr>
<tr>
<td>M182P</td>
<td>Cows and heifers that had calved—percent of all cattle and calves</td>
<td>43.1</td>
<td>43.0</td>
<td>0.1</td>
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<tr>
<td>M185</td>
<td>Milk cows—inventory</td>
<td>10,849,890</td>
<td>10,221,692</td>
<td>628,198</td>
</tr>
<tr>
<td>M186</td>
<td>Milk cows—change in inventory</td>
<td>19,674</td>
<td>16,251</td>
<td>3,423</td>
</tr>
<tr>
<td>M187P</td>
<td>Milk cows—inventory by county</td>
<td>24.1</td>
<td>21.9</td>
<td>1.2</td>
</tr>
<tr>
<td>M188</td>
<td>Farms with 100 milk cows or more—inventory</td>
<td>34,202,607</td>
<td>34,326,274</td>
<td>-123,667</td>
</tr>
<tr>
<td>M190</td>
<td>Beef cows—inventory</td>
<td>56.9</td>
<td>57.1</td>
<td>-0.2</td>
</tr>
<tr>
<td>M191</td>
<td>Beef cows—change in inventory</td>
<td>71,216,727</td>
<td>78,020,351</td>
<td>-6,803,624</td>
</tr>
<tr>
<td>M193</td>
<td>Cattle and calves sold</td>
<td>5,065</td>
<td>5,302</td>
<td>-237</td>
</tr>
<tr>
<td>M194</td>
<td>Cattle fattened on grain and concentrates and sold</td>
<td>27,676,400</td>
<td>29,722,043</td>
<td>-2,047,643</td>
</tr>
<tr>
<td>M195P</td>
<td>Fattened cattle sold by county</td>
<td>5,065</td>
<td>5,302</td>
<td>-237</td>
</tr>
<tr>
<td>M197P</td>
<td>Fattened cattle sold as a percent of cattle sold</td>
<td>38.9</td>
<td>38.1</td>
<td>0.8</td>
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<tr>
<td>M199</td>
<td>Hogs and pigs—inventory</td>
<td>55,366,205</td>
<td>57,697,318</td>
<td>-2,331,113</td>
</tr>
<tr>
<td>M200</td>
<td>Hogs and pigs—change in inventory</td>
<td>77,087</td>
<td>82,269</td>
<td>-5,182</td>
</tr>
<tr>
<td>M201</td>
<td>Farms with 200 hogs and pigs or more—inventory</td>
<td>6,947,861</td>
<td>8,516,131</td>
<td>-1,568,270</td>
</tr>
<tr>
<td>M203</td>
<td>Hogs and pigs used or to be used for breeding—inventory</td>
<td>10,356,971</td>
<td>10,999,496</td>
<td>-642,525</td>
</tr>
<tr>
<td>M205</td>
<td>Hogs and pigs sold</td>
<td>94,783,598</td>
<td>90,757,163</td>
<td>4,026,455</td>
</tr>
<tr>
<td>M206P</td>
<td>Hogs and pigs sold by county</td>
<td>20,042,797</td>
<td>19,491,998</td>
<td>551,699</td>
</tr>
<tr>
<td>M207</td>
<td>Feeder pigs sold</td>
<td>74,740,801</td>
<td>71,266,045</td>
<td>3,474,756</td>
</tr>
<tr>
<td>M209</td>
<td>Hogs and pigs sold other than feeder pigs</td>
<td>12,438,011</td>
<td>12,243,476</td>
<td>194,535</td>
</tr>
<tr>
<td>M211</td>
<td>Sheep and lambs—inventory</td>
<td>7,662,674</td>
<td>7,808,221</td>
<td>-145,547</td>
</tr>
<tr>
<td>M212</td>
<td>Sheep 1 year old or older—inventory</td>
<td>10,766,037</td>
<td>10,260,539</td>
<td>505,498</td>
</tr>
<tr>
<td>M213</td>
<td>Sheep and lambs, sold or on hand</td>
<td>2,260,791</td>
<td>1,957,028</td>
<td>303,763</td>
</tr>
<tr>
<td>M214</td>
<td>Horses and ponies—inventory</td>
<td>362,464,997</td>
<td>354,357,427</td>
<td>8,107,570</td>
</tr>
<tr>
<td>M215</td>
<td>Chickens 3 months old or older—inventory</td>
<td>3,516,622,889</td>
<td>3,062,154,490</td>
<td>454,468,399</td>
</tr>
<tr>
<td>M216</td>
<td>Chickens 3 months old or older—change in inventory</td>
<td>13,513,701</td>
<td>13,996,422</td>
<td>-480,721</td>
</tr>
<tr>
<td>M217P</td>
<td>Broilers and other meat-type chickens sold</td>
<td>3,034,832</td>
<td>3,088,756</td>
<td>-642,924</td>
</tr>
<tr>
<td>M218P</td>
<td>Broilers and other meat-type chicken—change in number</td>
<td>172,034,935</td>
<td>141,276,176</td>
<td>30,758,759</td>
</tr>
<tr>
<td>M219</td>
<td>Turkeys sold</td>
<td>21.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M221</td>
<td>Turkeys sold—change in number</td>
<td>26.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M222</td>
<td>Turkeys sold—change in number</td>
<td>12,678,863</td>
<td>12,898,829</td>
<td>-220,966</td>
</tr>
<tr>
<td>M223</td>
<td>Corn harvested for all purposes</td>
<td>21.7</td>
<td>17.1</td>
<td>4.6</td>
</tr>
<tr>
<td>M224</td>
<td>Corn harvested for all purposes—change in acreage</td>
<td>9,131,444</td>
<td>10,121,903</td>
<td>-990,459</td>
</tr>
<tr>
<td>M225</td>
<td>Corn harvested for all purposes—change in acreage by county</td>
<td>8,650,370</td>
<td>8,943,812</td>
<td>-293,442</td>
</tr>
<tr>
<td>M226P</td>
<td>Acres of corn harvested for all purposes—change in acreage</td>
<td>449,325</td>
<td>422,674</td>
<td>16,651</td>
</tr>
<tr>
<td>M227</td>
<td>Corn harvested for grain or seed—change in acreage</td>
<td>633,089</td>
<td>425,356</td>
<td>207,733</td>
</tr>
<tr>
<td>M229</td>
<td>Sorghum harvested for all purposes—change in acreage</td>
<td>3,223,987</td>
<td>3,001,671</td>
<td>231,316</td>
</tr>
<tr>
<td>M230P</td>
<td>Acres of sorghum harvested for all purposes as a percent of harvested cropland</td>
<td>64,832,862</td>
<td>61,339,849</td>
<td>3,492,993</td>
</tr>
<tr>
<td>M232</td>
<td>Sorghum harvested for grain or seed—change in acreage</td>
<td>19.9</td>
<td>19.3</td>
<td>0.6</td>
</tr>
</tbody>
</table>

See footnotes at end of table.
<table>
<thead>
<tr>
<th>Map number</th>
<th>Title</th>
<th>Census year</th>
<th>Change from 1978 to 1982</th>
<th>Percent change</th>
</tr>
</thead>
<tbody>
<tr>
<td>M249</td>
<td>Peanuts harvested for nuts</td>
<td>1 237 406</td>
<td>-216 869</td>
<td>-14.9</td>
</tr>
<tr>
<td>M250</td>
<td>Dry edible beans, excluding dry lima</td>
<td>1 711 395</td>
<td>412 065</td>
<td>31.7</td>
</tr>
<tr>
<td>M251</td>
<td>Cotton harvested</td>
<td>9 781 406</td>
<td>-2 912 388</td>
<td>-22.9</td>
</tr>
<tr>
<td>M252</td>
<td>Cotton harvested--change in acreage</td>
<td>3.0</td>
<td>-1.0</td>
<td>-25.0</td>
</tr>
<tr>
<td>M253</td>
<td>Alfalfa hay cut</td>
<td>3 577 017</td>
<td>2 478 008</td>
<td>75.8</td>
</tr>
<tr>
<td>M254</td>
<td>Sugar beets harvested for sugar</td>
<td>-2 033 722</td>
<td>1 879 009</td>
<td>-16.9</td>
</tr>
<tr>
<td>M255</td>
<td>Sugar beet harvested for crop</td>
<td>273 305</td>
<td>-53 605</td>
<td>-19.6</td>
</tr>
<tr>
<td>M256</td>
<td>Irish potatoes harvested</td>
<td>4 284 213</td>
<td>-117 673</td>
<td>-8.5</td>
</tr>
<tr>
<td>M257</td>
<td>Irish potatoes harvested--change in acreage</td>
<td>-2 033 722</td>
<td>1 879 009</td>
<td>-16.9</td>
</tr>
<tr>
<td>M258</td>
<td>Tobacco harvested</td>
<td>911 655</td>
<td>-31 569</td>
<td>-3.3</td>
</tr>
<tr>
<td>M259</td>
<td>Tobacco harvested--change in acreage</td>
<td>56 743 834</td>
<td>-4 497 555</td>
<td>-16.8</td>
</tr>
<tr>
<td>M260</td>
<td>Tobacco harvested--change in acreage</td>
<td>17.6</td>
<td>-1.6</td>
<td>-8.4</td>
</tr>
<tr>
<td>M261</td>
<td>Tobacco harvested--change in acreage</td>
<td>23 916 744</td>
<td>25 960 083</td>
<td>7.9</td>
</tr>
<tr>
<td>M262</td>
<td>Tobacco harvested--change in acreage</td>
<td>19 100 042</td>
<td>18 633 476</td>
<td>2.4</td>
</tr>
<tr>
<td>M263</td>
<td>Tobacco harvested--change in acreage</td>
<td>5 885 634</td>
<td>2 855 669</td>
<td>-5.8</td>
</tr>
<tr>
<td>M264</td>
<td>Tobacco harvested--change in acreage</td>
<td>6 746 122</td>
<td>8 266 102</td>
<td>-18.4</td>
</tr>
<tr>
<td>M265</td>
<td>Tobacco harvested--change in acreage</td>
<td>4 396 988</td>
<td>4 508 061</td>
<td>-2.5</td>
</tr>
<tr>
<td>M266</td>
<td>Tobacco harvested--change in acreage</td>
<td>252 348</td>
<td>388 979</td>
<td>-35.1</td>
</tr>
<tr>
<td>M267</td>
<td>Tobacco harvested--change in acreage</td>
<td>106 789</td>
<td>130 891</td>
<td>-19.9</td>
</tr>
<tr>
<td>M268</td>
<td>Tobacco harvested--change in acreage</td>
<td>203 590</td>
<td>279 777</td>
<td>-7.2</td>
</tr>
<tr>
<td>M269</td>
<td>Tobacco harvested--change in acreage</td>
<td>198 042</td>
<td>206 388</td>
<td>-4.0</td>
</tr>
<tr>
<td>M270</td>
<td>Tobacco harvested--change in acreage</td>
<td>3 330 617</td>
<td>-203 505</td>
<td>-5.8</td>
</tr>
<tr>
<td>M271</td>
<td>Tobacco harvested--change in acreage</td>
<td>97 207</td>
<td>86 156</td>
<td>12.8</td>
</tr>
<tr>
<td>M272</td>
<td>Tobacco harvested--change in acreage</td>
<td>113 981</td>
<td>109 632</td>
<td>3.6</td>
</tr>
<tr>
<td>M273</td>
<td>Tobacco harvested--change in acreage</td>
<td>1 113 849</td>
<td>1 122 681</td>
<td>-0.8</td>
</tr>
<tr>
<td>M274</td>
<td>Tobacco harvested--change in acreage</td>
<td>281 350</td>
<td>261 955</td>
<td>6.7</td>
</tr>
<tr>
<td>M275</td>
<td>Tobacco harvested--change in acreage</td>
<td>90 360</td>
<td>101 744</td>
<td>-11.2</td>
</tr>
<tr>
<td>M276</td>
<td>Tobacco harvested--change in acreage</td>
<td>279 887</td>
<td>252 953</td>
<td>-3.6</td>
</tr>
<tr>
<td>M277</td>
<td>Tobacco harvested--change in acreage</td>
<td>117 653</td>
<td>123 779</td>
<td>-4.6</td>
</tr>
<tr>
<td>M278</td>
<td>Tobacco harvested--change in acreage</td>
<td>277 538</td>
<td>339 779</td>
<td>-18.3</td>
</tr>
<tr>
<td>M279</td>
<td>Tobacco harvested--change in acreage</td>
<td>642 168</td>
<td>667 678</td>
<td>-3.8</td>
</tr>
<tr>
<td>M280</td>
<td>Tobacco harvested--change in acreage</td>
<td>403 669</td>
<td>421 960</td>
<td>-4.6</td>
</tr>
<tr>
<td>M281</td>
<td>Tobacco harvested--change in acreage</td>
<td>184 043</td>
<td>176 599</td>
<td>4.2</td>
</tr>
<tr>
<td>M282</td>
<td>Tobacco harvested--change in acreage</td>
<td>135 867</td>
<td>126 144</td>
<td>7.7</td>
</tr>
<tr>
<td>M283</td>
<td>Tobacco harvested--change in acreage</td>
<td>49 262</td>
<td>62 582</td>
<td>33.0</td>
</tr>
<tr>
<td>M284</td>
<td>Tobacco harvested--change in acreage</td>
<td>4 750 667</td>
<td>4 663 627</td>
<td>4.4</td>
</tr>
<tr>
<td>M285</td>
<td>Tobacco harvested--change in acreage</td>
<td>4 750 667</td>
<td>4 663 627</td>
<td>4.4</td>
</tr>
<tr>
<td>M286</td>
<td>Tobacco harvested--change in acreage</td>
<td>590 541</td>
<td>555 393</td>
<td>5.9</td>
</tr>
<tr>
<td>M287</td>
<td>Tobacco harvested--change in acreage</td>
<td>247 561</td>
<td>257 134</td>
<td>-3.7</td>
</tr>
<tr>
<td>M288</td>
<td>Tobacco harvested--change in acreage</td>
<td>84 915</td>
<td>92 679</td>
<td>-8.4</td>
</tr>
<tr>
<td>M289</td>
<td>Tobacco harvested--change in acreage</td>
<td>134 196</td>
<td>127 076</td>
<td>5.6</td>
</tr>
<tr>
<td>M290</td>
<td>Tobacco harvested--change in acreage</td>
<td>140 613</td>
<td>135 906</td>
<td>3.3</td>
</tr>
<tr>
<td>M291</td>
<td>Tobacco harvested--change in acreage</td>
<td>874 996</td>
<td>753 845</td>
<td>-16.1</td>
</tr>
<tr>
<td>M292</td>
<td>Tobacco harvested--change in acreage</td>
<td>918 718</td>
<td>909 919</td>
<td>1.0</td>
</tr>
<tr>
<td>M293</td>
<td>Tobacco harvested--change in acreage</td>
<td>241 182</td>
<td>264 726</td>
<td>-9.4</td>
</tr>
<tr>
<td>M294</td>
<td>Tobacco harvested--change in acreage</td>
<td>76 680</td>
<td>81 599</td>
<td>-6.0</td>
</tr>
<tr>
<td>M295</td>
<td>Tobacco harvested--change in acreage</td>
<td>4 299 668</td>
<td>342 441</td>
<td>28.4</td>
</tr>
<tr>
<td>M296</td>
<td>Tobacco harvested--change in acreage</td>
<td>4 355 961</td>
<td>444 735</td>
<td>-2.0</td>
</tr>
</tbody>
</table>

(NA) Not available.

1Excludes abnormal farms; see text.
2Data are based on a sample of farms; see text.
3See text for further explanation.
Number of Farms: 1982

United States
Total
2,240,976

1 Dot = 250 Farms

U.S. Department of Commerce
Bureau of the Census
Farms With Sales of $10,000 or More: 1982

United States Total
1,142,563

1 Dot = 250 Farms

Percent of Farms With Sales of $10,000 or More: 1982

United States Average 51.0 Percent

Percent
Less than 30
30 - 49
50 - 69
70 - 89
90 or more
Farms With Sales of Less Than $10,000: 1982

1 Dot = 250 Farms

Percent of Farms With Sales of Less Than $10,000: 1982

United States Total
1,066,337

United States Average
46.9 Percent

Percent

Less than 10
10 - 29
30 - 49
50 - 69
70 or more

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 9
Average Value of Land and Buildings Per Farm: 1982

Average Value of Land and Buildings Per Acre of Land in Farms: 1982
Average Size of Farm With Sales of $10,000 or More: 1982

United States Average: 710 Acres

Farms With Less Than 50 Acres: 1982

1 Dot = 100 Farms

United States Total: 636,917

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE
Farms With 50 to 179 Acres: 1982

United States Total 711,652

1 Dot = 100 Farms

U.S. Department of Commerce
Bureau of the Census

Farms With 180 to 259 Acres: 1982

United States Total 211,485

1 Dot = 100 Farms

U.S. Department of Commerce
Bureau of the Census
Farms With 1,000 Acres or More: 1982

United States
Total
161,972

1 Dot = 100 Farms

Farms With 2,000 Acres or More: 1982

United States
Total
64,577

1 Dot = 50 Farms
Cash Grain Farms (Industry Group 011): 1982

United States Total
576,548

1 Dot = 100 Farms
Corn Farms (Industry 0115): 1982

United States Total
176,652

Soybean Farms (Industry 0116): 1982

United States Total
129,607

1 Dot = 100 Farms

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE
Cotton Farms (Industry 0131): 1982

United States Total: 21,073

1 Dot = 50 Farms

U.S. Department of Commerce
Bureau of the Census

Tobacco Farms (Industry 0132): 1982

United States Total: 131,292

1 Dot = 100 Farms

U.S. Department of Commerce
Bureau of the Census
Sugar Crop Farms (Industry 0133): 1982

United States Total
2,799

Irish Potato Farms (Industry 0134): 1982

United States Total
6,353

United States
Total
906,486

1 Dot = 100 Farms

U.S. Department of Commerce
Bureau of the Census
Hog Farms (Industry 0213): 1982

Sheep and Goat Farms (Industry 0214): 1982

1 Dot = 50 Farms

United States Total 129,864

1 Dot = 10 Farms

United States Total 26,535
Dairy Farms (Industry Group 024): 1982

United States Total 164,628

Poultry and Egg Farms (Industry Group 025): 1982

United States Total 41,971
Farms With Sales of $1,000 to $2,499: 1982

Farms With Sales of $2,500 to $4,999: 1982

United States Total
536,327

United States Total
276,208

1 Dot = 100 Farms
Farms With Sales of $20,000 to $39,999: 1982

United States Total
248,825

Farms With Sales of $40,000 to $99,999: 1982

United States Total
332,751

1 Dot = 100 Farms

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE
Farms With Sales of $100,000 to $249,999: 1982

1 Dot = 50 Farms

United States Total: 215,912

Farms With Sales of $250,000 or More: 1982

1 Dot = 50 Farms

United States Total: 66,468
Farms Operated by Tenants: 1982

1 Dot = 100 Farms

Percent of Farms Operated by Tenants: 1982

United States
Total
250,954

Percent
Less than 5
5 - 9
10 - 19
20 - 29
30 or more

United States
Average
11.8 Percent

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 37
Rented or Leased Land in Farms by County: 1982

Percent of land in Farms Rented or Leased: 1982

United States Average
38.9 Percent
Farms Operated by Black and Other Races: 1982

Average Age of Farm Operators: 1982
Farm Operators 65 Years Old and Over: 1982

Percent of Farm Operators 65 Years Old and Over: 1982

United States Total 399,596

United States Average 17.8 Percent
Farm Operators Reporting Any Off-Farm Work: 1982

Percent of Farm Operators Working Off Their Farms 100 Days or More: 1982

United States Total
1,187,374

U.S. Department of Commerce
Bureau of the Census

United States Average
43.5 Percent

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 41
Percent of Farms Operated by Female Operator: 1982

United States Average
5.4 Percent

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 43
Farm Operators Reporting Principal Occupation as Farming: 1982

1 Dot = 200 Farm Operators

United States
Total
1,234,787

Percent of Farm Operators Reporting Principal Occupation as Farming: 1982

United States
Average
55.1 Percent

Percent
Less than 40
40 - 49
50 - 69
60 - 69
70 - 79
80 or more
Farm Operators Reporting Principal Occupation as Other Than Farming: 1982

Percent of Farm Operators Reporting Principal Occupation as Other Than Farming: 1982

United States
Total
1,006,189

1 Dot = 200 Farm Operators

U.S. Department of Commerce
Bureau of the Census

United States Average
44.9 Percent

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 45
Percent of Land in Farms Operated by Individual or Family: 1982

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY
Land in Farms - Change in Acreage: 1978 to 1982

Total Cropland: 1982

1 Dot = 5,000 Acres Increase
1 Dot = 5,000 Acres Decrease

United States
Total
445,362,028

U.S. Department of Commerce
Bureau of the Census
Total Cropland - Change in Acreage: 1978 to 1982

1 Dot = 5,000 Acres Increase
1 Dot = 5,000 Acres Decrease

United States Net Decrease 4,872,083

Total Cropland as a Percent of Land Area: 1982

United States Average 19.7 Percent

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 53
Total Cropland as a Percent of Land in Farms: 1982

Percent:
- Less than 5
- 5 - 14
- 15 - 29
- 30 - 49
- 50 - 74
- 75 or more

United States Average 45.1 Percent

U.S. Department of Commerce
Bureau of the Census

54 GRAPHIC SUMMARY

1982 CENSUS OF AGRICULTURE
Pastureland as a Percent of Land in Farms: 1982

United States Average
53.4 Percent

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE
GRAPHIC SUMMARY 57
Irrigated Land in Farms: 1982

1 Dot = 10,000 Acres

United States
Total
49,062,433

U.S. Department of Commerce
Bureau of the Census

Irrigated Land - Change in Acreage: 1978 to 1982

1 Dot = 2,000 Acres Increase
1 Dot = 2,000 Acres Decrease

United States
Net Decrease
-1,347,773

U.S. Department of Commerce
Bureau of the Census

58 GRAPHIC SUMMARY

1982 CENSUS OF AGRICULTURE
Irrigated Pastureland and Other Land: 1982

United States Total 4,689,425

1 Dot = 1,000 Acres

U.S. Department of Commerce
Bureau of the Census

Irrigated Field Corn for All Purposes by County: 1982

United States Total 9,532,294

Acres Per County
- Less than 1,000
- 1,000 - 4,999
- 5,000 - 9,999
- 10,000 - 24,999
- 25,000 or more

U.S. Department of Commerce
Bureau of the Census
Irrigated Sorghum for All Purposes by County: 1982

Irrigated Cotton by County: 1982
Irrigated Wheat by County: 1982

United States Total
4,049,935

Acres Per County
Less than 1,000
1,000 - 1,999
2,000 - 4,999
5,000 - 9,999
10,000 or more

U.S. Department of Commerce
Bureau of the Census
Market Value of Agricultural Products Sold by County: 1982

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY
Average Value Per Farm of Agricultural Products Sold: 1982

66 GRAPHIC SUMMARY

1982 CENSUS OF AGRICULTURE
Average Value of Agricultural Products Sold Per Acre of Land in Farms: 1982

Value of Crops Sold as a Percent of Agricultural Products Sold: 1982

Average Value of Crops Sold Per Acre of Harvested Cropland: 1982
Value of Grains Sold as a Percent of Agricultural Products Sold: 1982

Value of Cotton and Cottonseed Sold as a Percent of Agricultural Products Sold: 1982
Value of Tobacco Sold as a Percent of Agricultural Products Sold: 1982

United States Average 0.1 Percent

Percent
- Less than 1
- 1 - 4
- 5 - 9
- 10 - 19
- 20 - 29
- 20 or more

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 71
Value of Cattle and Calves Sold as a Percent of Agricultural Products Sold: 1982

Value of Hogs and Pigs Sold as a Percent of Agricultural Products Sold: 1982
Value of Sheep, Lambs, and Wool Sold as a Percent of Agricultural Products Sold: 1982
Income From Machine Work, Customwork, and Other Agricultural Services: 1982

United States Total
$687,496,000

1 Dot = $100,000

U.S. Department of Commerce
Bureau of the Census
Expenses for Feed for Livestock and Poultry: 1982

Expenses for Feed for Livestock and Poultry by County: 1982

United States Total
$18,591,984,000
(from sample data)

Dollars
- Less than 1,000,000
- 1,000,000 - 2,999,999
- 3,000,000 - 4,999,999
- 5,000,000 - 9,999,999
- 10,000,000 - 14,999,999
- 15,000,000 or more

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 79
Expenses for Commercially Mixed Formula Feeds as a Percent of All Feed Purchased for Livestock and Poultry: 1982

Expenses for Seeds, Bulbs, Plants, and Trees: 1982

1 Dot = $500,000

United States Total:
$3,171,752,000
(from sample data)

80 GRAPHIC SUMMARY
1982 CENSUS OF AGRICULTURE
Expenses for Commercial Fertilizer by County: 1982

Expenses for Agricultural Chemicals, Excluding Fertilizer: 1982
Expenses for Energy and Petroleum Products: 1982

Expenses for Energy and Petroleum Products by County: 1982

United States Total
$9,972,865,000
(from sample data)

United States Total
$9,273,689,000
(from sample data)

Dollars
Less than 1,000,000
1,000,000 - 1,999,999
2,000,000 - 2,999,999
3,000,000 - 4,999,999
5,000,000 - 9,999,999
10,000,000 or more

U.S. Department of Commerce
Bureau of the Census

U.S. Department of Commerce
Bureau of the Census

GRAPHIC SUMMARY

1982 CENSUS OF AGRICULTURE

84
Expenses for Gasoline and Gasohol: 1982

Expenses for Gasoline and Gasohol as a Percent of All Expenses for Energy and Petroleum Products: 1982

1 Dot = $500,000

United States Total
$2,987,194,000 (from sample data)

Percent
Less than 25
25 - 29
30 - 34
35 - 39
40 or more

United States Average 30.0 Percent (from sample data)

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE
GRAPHIC SUMMARY 85
Expenses for Diesel Fuel: 1982

Expenses for Diesel Fuel as a Percent of All Expenses for Energy and Petroleum Products: 1982
Expenses for LP, Butane, or Propane Gas: 1982

Expenses for LP, Butane, or Propane Gas as a Percent of All Expenses for Energy and Petroleum Products: 1982
Expenses for Electricity: 1982

Expenses for Electricity as a Percent of All Expenses for Energy and Petroleum Products: 1982
Expenses for Hired Farm Labor, Excluding Contract Labor: 1982

Expenses for Hired Farm Labor, Excluding Contract Labor, by County: 1982

United States
Total
$8,441,180,000
(from sample data)

1 Dot = $1,500,000

Dollars
Less than 500,000
500,000 - 999,999
1,000,000 - 1,499,999
1,500,000 - 1,999,999
2,000,000 - 2,999,999
3,000,000 or more

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 89
Expenses for Contract Labor: 1982

Expenses for Contract Labor by County: 1982

United States Total
$1,103,773,000
(from sample data)

U.S. Department of Commerce
Bureau of the Census

Dollars
- Less than $50,000
- $50,000 - $99,999
- $100,000 - $199,999
- $200,000 - $299,999
- $300,000 - $499,999
- $500,000 or more

U.S. Department of Commerce
Bureau of the Census

90 GRAPHIC SUMMARY

1982 CENSUS OF AGRICULTURE
Expenses for Interest for the Farm Business: 1982

Expenses for Interest for the Farm Business by County: 1982
Hired Farm Workers Working 150 Days or More: 1982

United States Total: 949,481 (from sample data)

1 Dot = 200 Hired Farm Workers

Hired Farm Workers Working Less Than 150 Days: 1982

United States Total: 3,906,376 (from sample data)

1 Dot = 1,000 Hired Farm Workers
Percent of Farms Reporting Any Hired Farm Labor: 1982

Percent of Farms Reporting Only Hired Farm Workers Working Less Than 150 Days: 1982
Ratio of Hired Farm Workers Working 150 Days or More to Farm Operators: 1982

United States Average: 42 Workers
(from sample data)

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY
Estimated Market Value of All Machinery and Equipment on Place: 1982

1 Dot = $15,000,000

United States
Total
$93,662,947,000
(from sample data)

U.S. Department of Commerce
Bureau of the Census
Estimated Market Value of All Machinery and Equipment on Place by County: 1982

United States
Total
$93,662,947,000
(from sample data)

U.S. Department of Commerce
Bureau of the Census
Average Estimated Market Value Per Farm Reporting of All Machinery and Equipment on Place: 1982

United States Average
$41,919 (from sample data)

U.S. Department of Commerce
Bureau of the Census

GRAPHIC SUMMARY

1982 CENSUS OF AGRICULTURE
Wheel Tractors: 1982

1 Dot = 500 Tractors

United States
Total
4,523,849
(from sample data)

Wheel Tractors - Change in Number: 1978 to 1982

1 Dot = 50 Tractors Increase
1 Dot = 50 Tractors Decrease

1982 CENSUS OF AGRICULTURE
Grain and Bean Combines, Self Propelled: 1982

United States Total 644,311 (from sample data)

1 Dot = 100 Combines

Grain and Bean Combines, Self Propelled - Change in Number: 1978 to 1982

1 Dot = 50 Combine Increase
1 Dot = 50 Combine Decrease

1982 CENSUS OF AGRICULTURE GRAPHIC SUMMARY 101
Acres of Cropland, Excluding Pastureland, Fertilized as a Percent of Harvested Cropland: 1982

United States Average
64.5 Percent
(from sample data)

Acres on Which Lime Was Used: 1982

United States Total
11,607,206
(from sample data)

U.S. Department of Commerce
Bureau of the Census
Average Tons of Lime Applied Per Acre: 1982

United States
Average
1.7 Tons
(from sample data)

Tons
Less than 0.5
0.5 - 0.9
1.0 - 1.4
1.5 - 1.9
2.0 - 2.4
2.5 or more

U.S. Department of Commerce
Bureau of the Census
Acres of Crops, Including Hay, Treated for Insect Control: 1982

United States Total
72,848,009
(from sample data)

U.S. Department of Commerce
Bureau of the Census

Acres of Crops, Including Hay, Treated for Insect Control as a Percent of Harvested Cropland: 1982

Percent
Less than 5
5 - 9
10 - 19
20 - 29
30 - 49
50 or more

United States Average
22.3 Percent
(from sample data)

U.S. Department of Commerce
Bureau of the Census
Acres of Crops and Orchards Treated for Disease Control: 1982

Acres of Crops and Orchards Treated for Disease Control as a Percent of Harvested Cropland: 1982

1 Dot = 1,500 Acres

United States Total
11,685,466
(from sample data)

Percent
Less than 1
1 - 2
3 - 4
5 - 6
7 - 9
10 or more

United States Average 3.6 Percent
(from sample data)

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 109
Acres of Land Treated for Weed or Grass Control: 1982

United States
Total
176,871,096
(from sample data)

1 Dot = 20,000 Acres

Acres Treated With Chemicals for Defoliation or for Growth Control of Crops or Thinning of Fruit: 1982

United States
Total
9,322,028
(from sample data)

1 Dot = 1,500 Acres
Cows and Heifers That Had Calved - Inventory as a Percent of All Cattle and Calves: 1982

Milk Cows - Inventory: 1982

1 Dot = 2,000 Milk Cows

United States
Total
10,849,890

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 115
Milk Cows – Change in Inventory: 1978 to 1982

Milk Cows – Inventory by County: 1982
Beef Cows – Inventory: 1982

1 Dot = 5,000 Beef Cows

United States
Total
34,202,607

Beef Cows – Change in Inventory: 1978 to 1982

1 Dot = 1,000 Beef Cows Increase
1 Dot = 1,000 Beef Cows Decrease

1982 CENSUS OF AGRICULTURE
Heifers, Heifer Calves, Steers, Steer Calves, Bulls, and Bull Calves as a Percent of All Cattle and Calves: 1982

United States Average 56.9 Percent

Percent
Less than 40
40 - 49
50 - 59
60 - 69
70 - 89
90 or more

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 119
Cattle Fattened on Grain and Concentrates and Sold: 1982

Fattened Cattle Sold - Change in Number: 1978 to 1982

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 121
Farms With 500 Fattened Cattle or More Sold: 1982

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY

123
Hogs and Pigs – Inventory: 1982

United States Total
55,366,205

1 Dot = 10,000 Hogs and Pigs

U.S. Department of Commerce
Bureau of the Census
Hogs and Pigs - Change in Inventory: 1978 to 1982

Farms With 200 Hogs and Pigs or More - Inventory: 1982
Hogs and Pigs Used or to be Used for Breeding - Inventory: 1982

1 Dot = 2,000 Breeding Hogs and Pigs

Hogs and Pigs Used or to be Used for Breeding - Change in Inventory: 1978 to 1982

1 Dot = 500 Breeding Hogs and Pigs Increase
1 Dot = 500 Breeding Hogs and Pigs Decrease
Hogs and Pigs Sold: 1982

1 Dot = 15,000 Hogs and Pigs

GRAPHIC SUMMARY

1982 CENSUS OF AGRICULTURE
Feeder Pigs Sold as a Percent of All Hogs and Pigs Sold: 1982

Hogs and Pigs Sold Other Than Feeder Pigs: 1982
Sheep and Lambs - Inventory: 1982

Sheep and Lambs - Change in Inventory: 1978 to 1982

1 Dot = 5,000 Sheep and Lambs

1 Dot = 500 Sheep and Lambs Increase
1 Dot = 500 Sheep and Lambs Decrease

United States
Total
12,438,011

United States
Net Increase
+194,534

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY
Ewes 1 Year Old or Older - Inventory: 1982

United States Total
7,665,674

1 Dot = 2,500 Ewes

Sheep and Lambs Sold: 1982

United States Total
10,765,037

1 Dot = 5,000 Sheep and Lambs
Horses and Ponies - Inventory: 1982

United States
Total
2,260,791

1 Dot = 500 Horses and Ponies

U.S. Department of Commerce
Bureau of the Census
Broilers and Other Meat-Type Chickens Sold: 1982

Broilers and Other Meat-Type Chickens Sold - Change in Number: 1978 to 1982

1 Dot = 750,000 Broilers

1 Dot = 200,000 Broilers Increase
1 Dot = 200,000 Broilers Decrease

United States Total
3,516,623,889

United States Net increase
+454,468,599

U.S. Department of Commerce
Bureau of the Census
Wheat Harvested for Grain: 1982

1 Dot = 10,000 Acres

United States
Total
70,910,293

Wheat Harvested for Grain - Change in Acreage: 1978 to 1982

1 Dot = 2,000 Acres Increase
1 Dot = 2,000 Acres Decrease

United States
Net Increase
+10,755,125

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 147
Wheat Harvested for Grain by County: 1982

Acres of Wheat Harvested for Grain as a Percent of Harvested Cropland: 1982
Oats Harvested for Grain: 1982

Oats Harvested for Grain - Change in Acreage: 1978 to 1982

1 Dot = 5,000 Acres

United States Total
9,191,444

1 Dot = 1,000 Acres Increase
1 Dot = 1,000 Acres Decrease

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 149
Soybeans Harvested for Beans - Change in Acreage: 1978 to 1982

Soybeans Harvested for Beans by County: 1982
Dry Edible Beans, Excluding Dry Limas: 1982

United States Total
1,711,195

1 Dot = 2,000 Acres

U.S. Department of Commerce
Bureau of the Census

1982 CENSUS OF AGRICULTURE
Sunflower Seed Harvested: 1982

United States Total
4,357,017

1 Dot = 3,000 Acres

Sugar Beets Harvested for Sugar: 1982

United States Total
1,033,722

1 Dot = 1,000 Acres
Sugarcane Harvested for Sugar: 1982

1 Dot = 2,000 Acres

United States Total 713,061

U.S. Department of Commerce
Bureau of the Census
Irish Potatoes Harvested: 1982

United States Total
1,269,213

1 Dot = 1,000 Acres

Irish Potatoes Harvested - Change in Acreage: 1978 to 1982

1 Dot = 100 Acres Increase
1 Dot = 100 Acres Decrease

1982 CENSUS OF AGRICULTURE

GRAPHIC SUMMARY 161
Tobacco Harvested: 1982

United States Total
931,655

1 Dot = 500 Acres

Tobacco Harvested - Change in Acreage: 1978 to 1982

1 Dot = 100 Acres Increase
1 Dot = 100 Acres Decrease
Land From Which Hay Was Cut by County: 1982

United States Total
56,743,836

Acres
- Less than 2,500
- 2,500 - 4,999
- 5,000 - 9,999
- 10,000 - 19,999
- 20,000 - 39,999
- 40,000 or more

U.S. Department of Commerce
Bureau of the Census
Land From Which Hay Was Cut - Change in Acreage: 1978 to 1982

1 Dot = 5,000 Acres Increase
1 Dot = 5,000 Acres Decrease

Land From Which Hay Was Cut as a Percent of Harvested Cropland: 1982

Percent
- Less than 5
- 5 - 14
- 15 - 29
- 30 - 49
- 50 - 74
- 75 or more

United States Average
17.4 Percent

U.S. Department of Commerce
Bureau of the Census
Alfalfa Hay Cut: 1982

United States
Total
23,910,741

1 Dot = 5,000 Acres

Alfalfa Hay Cut - Change in Acreage: 1978 to 1982

1 Dot = 1,000 Acres Increase
1 Dot = 1,000 Acres Decrease
Fescue Seed Harvested: 1982

1 Dot = 200 Acres

United States Total 203,590

U.S. Department of Commerce Bureau of the Census

1982 CENSUS OF AGRICULTURE
Cucumbers and Pickles Harvested for Sale: 1982

United States Total 113,849

Green Peas, Excluding Green Cowpeas, Harvested for Sale: 1982

United States Total 281,350

1 Dot = 200 Acres

1 Dot = 400 Acres
Head Cabbage Harvested for Sale: 1982

United States Total: 90,360 Acres

Lettuce and Romaine Harvested for Sale: 1982

United States Total: 229,887 Acres
Watermelons Harvested for Sale: 1982

United States Total
184,043

1 Dot = 200 Acres

U.S. Department of Commerce
Bureau of the Census
Acres of Plum and Prune Trees: 1982

United States Total: 140,413 Acres

1 Dot = 200 Acres

1982 CENSUS OF AGRICULTURE

Acres of Grape Vines: 1982

United States Total: 874,996 Acres

1 Dot = 1,000 Acres
Acres of Lemon Trees: 1982

United States Total
76,680

1 Dot = 200 Acres

U.S. Department of Commerce
Bureau of the Census

Acres of English Walnut Trees: 1982

United States Total
204,960

1 Dot = 300 Acres

U.S. Department of Commerce
Bureau of the Census
Acres of Almond Trees: 1982

United States Total
439,668

1 Dot = 500 Acres

U.S. Department of Commerce
Bureau of the Census

Acres of Pecan Trees: 1982

United States Total
435,961

1 Dot = 500 Acres

U.S. Department of Commerce
Bureau of the Census
Preliminary and final results of the 1982 Census of Agriculture are being published in a series of reports which provide data for each county and State and for the United States, Puerto Rico, Guam, and the Virgin Islands of the United States. The publications include statistics on number of farms; land in farms; farm and farm operator characteristics; livestock, poultry, and their products; crop production and value; selected expenditures; irrigation; and standard industrial classification of farms.

Publication order forms may be obtained from Customer Services Branch (Publications), Data User Services Division, Bureau of the Census, Washington, D.C. 20233, or from any U.S. Department of Commerce district office.

PRELIMINARY REPORTS (AC82-01(P) to -56(P))

Preliminary reports are published separately for each county in the United States with 10 farms or more, for each State, and for the United States. These reports contain data for all agricultural operations with $1,000 or more in actual or potential sales of agricultural products in the census year. The reports include data on number of farms, land in farms, size of farms, land use practices, farm operator characteristics, sales, expenditures, machinery and equipment, livestock, poultry, dairy products, and major crops harvested in the State.

FINAL REPORTS

Volume 1. Geographic Area Series (AC82-A-1 to -54)

State and County Data (A-1 to -50)—A separate report is presented showing detailed data for each State and the counties within. These reports include data on number and size of farms, tenure, age, and occupation of operators; types of organization; value of products sold; and standard industrial classification of farms.

Summary and State Data (A-51)—This report contains detailed data at the national and State levels.

Outlying Areas (A-52 to -54)—These reports present detailed data for each area and subdivision in Puerto Rico, Guam, and the Virgin Islands of the United States.

Volume 2. Subject Series (AC82-SS-1 to -3)

Graphic Summary (SS-1)—This report presents the Nation's agriculture graphically illustrated by dot and multicolor pattern maps. The maps provide displays on size and type of farm, land use, farm tenure, value of products sold, crops harvested, livestock inventories, and other characteristics of farms.

Coverage Evaluation (SS-2)—This report presents estimates of the completeness of the 1982 Census of Agriculture for the United States and geographic regions. It provides coverage estimates of farms, land, value of products, selected characteristics of missed farms, and sample reliability.

Ranking of States and Counties (SS-3)—This report presents the ranking of States and counties in order of importance for selected items for the 1982 Census of Agriculture. Items ranked include: number of farms, value of products sold, inventory of livestock and poultry, and production of acreage of major crops. Comparative data from the 1978 Census of Agriculture are included for most tables.

MICROFICHE


Final County Reports—A final report for each county and State, with the same format and items as the published preliminary reports, is available on microfiche only.

Volume 1 Reports—Published Geographic Area Series data are also available on microfiche.

COMPUTER TAPES

Public-use computer tapes contain the same summary statistics that are found in the published preliminary reports and the county data from the volume 1 reports. Order forms may be obtained from the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233 (telephone 301/763-4100). Upon request, special sets of tapes of the State data in volume 1 may be obtained from the Agriculture Division, Bureau of the Census, Washington, D.C. 20233.