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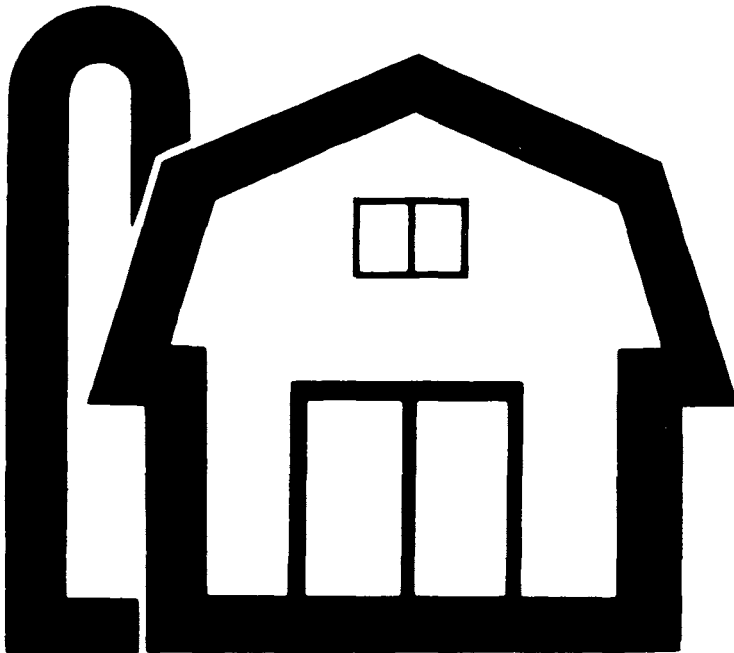
1982 Census of Agriculture

AC82-A-51

Volume 1
GEOGRAPHIC AREA SERIES

Part 51

United States Summary and State Data



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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Issued October 1984



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



BUREAU OF THE CENSUS
John G. Keane, Director
C.L. Kincannon, Deputy Director
Charles A. Waite, Associate Director
for Economic Fields
Michael G. Farrell, Assistant Director for
Economic and Agriculture Censuses

AGRICULTURE DIVISION
John H. Berry, Chief

ACKNOWLEDGMENTS—Many persons participated in conducting the 1982 Census of Agriculture. Primary direction was by **Shirley Kallek**, Associate Director for Economic Fields (to May 1983), **Charles A. Waite**, her successor, and **Michael G. Farrell**, Assistant Director for Economic and Agriculture Censuses.

This report was prepared in the Agriculture Division under the general supervision of **Orvin L. Wilhite**, Chief (to January 1980); **Arnold L. Bollenbacher**, Chief (to June 1982); and **John H. Berry**, Chief (from July 1982).

Many divisions contributed to this report. Data Preparation performed the clerical processing; Administrative Services provided the forms design and other administrative services; Publications Services contributed in publication planning and design, editorial review, composition, and printing procurement; Computer Services provided the computer processing facilities; Field provided selected data collection activities; and Economic Surveys assisted in preparation of data collection and processing procedures and computer programs.

Members of the Census Advisory Committee on Agriculture Statistics and representatives of both public and private organizations made significant recommendations which helped establish data content.

Members of various agencies of the U.S. Department of Agriculture provided valuable advice in the planning, publicizing, and processing phases of the census, and in helping farmers and ranchers complete the report forms.

The press, farm magazines, radio and television stations, and farm organizations were most helpful in publicizing the census and encouraging cooperation of farm and ranch operators.

Special tribute is paid to the millions of farm and ranch operators who furnished the information requested. Only through their cooperation was it possible to collect and publish the data in this report.

Library of Congress Cataloging in Publication Data

Main entry under title:

1982 census of agriculture.

“October 1983.”

Includes indexes.

Supt. of Docs. no.: C3.31/4:982/v.1/pt.

1. Agriculture—United States—Statistics. I. United States. Bureau of the Census.

HD1769.A14 1983 338.1'0973 83-600308

For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

If you have any questions concerning the statistics in this report, call (301) 763-5230.

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*Not applicable.

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HISTORY

The census of agriculture provides a periodic statistical picture of the Nation's farming, ranching, and related activities. The 1982 Census of Agriculture is the 22d taken by the U.S. Department of Commerce, Bureau of the Census.

The first agriculture census was taken in 1840 as part of the sixth decennial census of population. From 1840 to 1950, an agriculture census was taken as part of the decennial census. A separate mid-decade census of agriculture was conducted in 1925, 1935, and 1945. From 1954 to 1974, a census of agriculture was taken for the years ending in 4 and 9. In 1976, Congress authorized the census of agriculture to be taken for 1978 and 1982 to adjust the data reference year to coincide with the 1982 Economic Censuses covering manufacturing, mining, construction, retail trade, wholesale trade, service industries, and selected transportation activities. After 1982, the agriculture census will revert to a 5-year cycle and be taken covering years ending in 2 and 7.

USES OF THE CENSUS

The census of agriculture is the leading source of statistics about the Nation's agriculture and the only source of consistent, comparable data about agriculture at the county, State, and national levels. Census statistics are used by Congress in developing and changing farm programs and for determining the effects of these programs. Many national and State programs affecting agriculture are designed or allocated on the basis of census data, such as funds for extension services, research, and soil conservation projects. Private industry uses census statistics to provide a more effective production and distribution system for the farm community.

AUTHORITY AND AREA COVERED

The census of agriculture is required by law under title 13, United States Code, sections 142(a) and 191, which directs that the census be taken in 1979, in 1983, and in every fifth year after 1983 covering the prior year. The 1982 census includes each State, Puerto Rico, Guam, and the Virgin Islands of the United States.

FARM DEFINITION

Since 1850, when minimum criteria defining a farm for census purposes were first established, the farm definition has been changed nine times. The current definition, first used for the 1974 final reports, is any place from which \$1,000 or more of agricultural products were sold or normally would have been sold during the census year. The previous definition (used for the 1959, 1964, and 1969 censuses, and for the 1974 preliminary reports) was any place with less than 10 acres from which \$250 or more of agricultural products were sold or normally would have been sold during the census year, or any place of 10 acres or more from which \$50 or more of agricultural products were sold or normally would have been sold during the census year.

COMPARABILITY OF DATA

All censuses since 1969 were conducted primarily by mail. To improve the coverage of the 1978 census, especially in counting the number of small farms, the mailout/mailback enumeration was supplemented by the direct enumeration of all households in approximately 6,400 sample segments in rural areas in all States, except Alaska and Hawaii. Due to budget reductions, the direct enumeration area sample was eliminated for 1982.

The U.S., region, and State data for 1978 shown in the 1978 Census of Agriculture publications included data for farms represented on the mail list plus estimates from the area sample for farms not on the mail list. The 1978 county data included only farms represented on the mail list as the sample was not large enough to provide reliable estimates for each county.

To provide comparable data for 1982 and 1978, estimates from the 1978 area sample have been subtracted from the 1978 data. Thus, the 1978 data in this report include only farms represented on the mail list. Appendix B includes a detailed discussion of the effect of the area sample on census comparability.

In general, data for 1982, 1978, and 1974 are not fully comparable with data for 1969 and earlier censuses due to changes in the farm definition. 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.

TABULAR PRESENTATION

U.S. data—In chapter 1, tables 1 through 43 show detailed U.S. level data usually accompanied by historical data for one or more past censuses. Tables 44 through 50 provide 1982 U.S. data cross-tabulated by various farm classifications.

State data—Selected data items are presented by State in chapter 2. Tables 1 through 16 include general data for all States. Tables 17 through 36 include only States reporting the

data item. States not having the item, or with a limited number of farms reporting the item, are not listed separately. Data for these States are combined and presented as "all other States."

PRELIMINARY REPORTS

Preliminary reports have been published separately for each county with 10 farms or more in 1982, each State, and the United States. This series provided, at the earliest possible date, information on major data items together with comparable final data from the 1978 census. The data items were standard except in tables 4 and 5 where the selected crops varied by State according to their relative importance.

For farms, land in farms, livestock inventories, and other major items at the county level, differences between the preliminary and final figures are generally less than 5 percent. At the State level, differences are significantly less.

MICROFICHE AND COMPUTER TAPES

All data in the volume 1 reports and final data for individual counties are available on microfiche. The final microfiche county tables have the same format as the county preliminary report. Also, computer tapes are available for the same summary statistics that are found in the preliminary and volume 1 reports. Microfiche reports are sold by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Computer tapes are sold by the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

UNPUBLISHED DATA

Copies of computer printouts of the following unpublished county summary tables are available:

Land in Farms With Cropland Harvested and 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

Other special unpublished tables and summaries on computer tape can be developed to individual user specifications.

Inquiries about the availability and cost of unpublished tabulations should be directed to the Chief, Agriculture Division, Bureau of the Census, Washington, D.C. 20233.

CENSUS DISCLOSURE RULES

In keeping with the provisions of title 13, United States Code, no data are published that would disclose the operations of an individual farm. However, the number of farms in a given size category or other classification is not considered a disclosure, so this information may be given even though other information is withheld.

DEFINITIONS AND EXPLANATIONS

Appendix A includes definitions and explanations of selected terms used in the tables.

"SEE TEXT" REFERENCE

Items in the tables which are followed by the reference "see text" are explained or defined in appendix A.

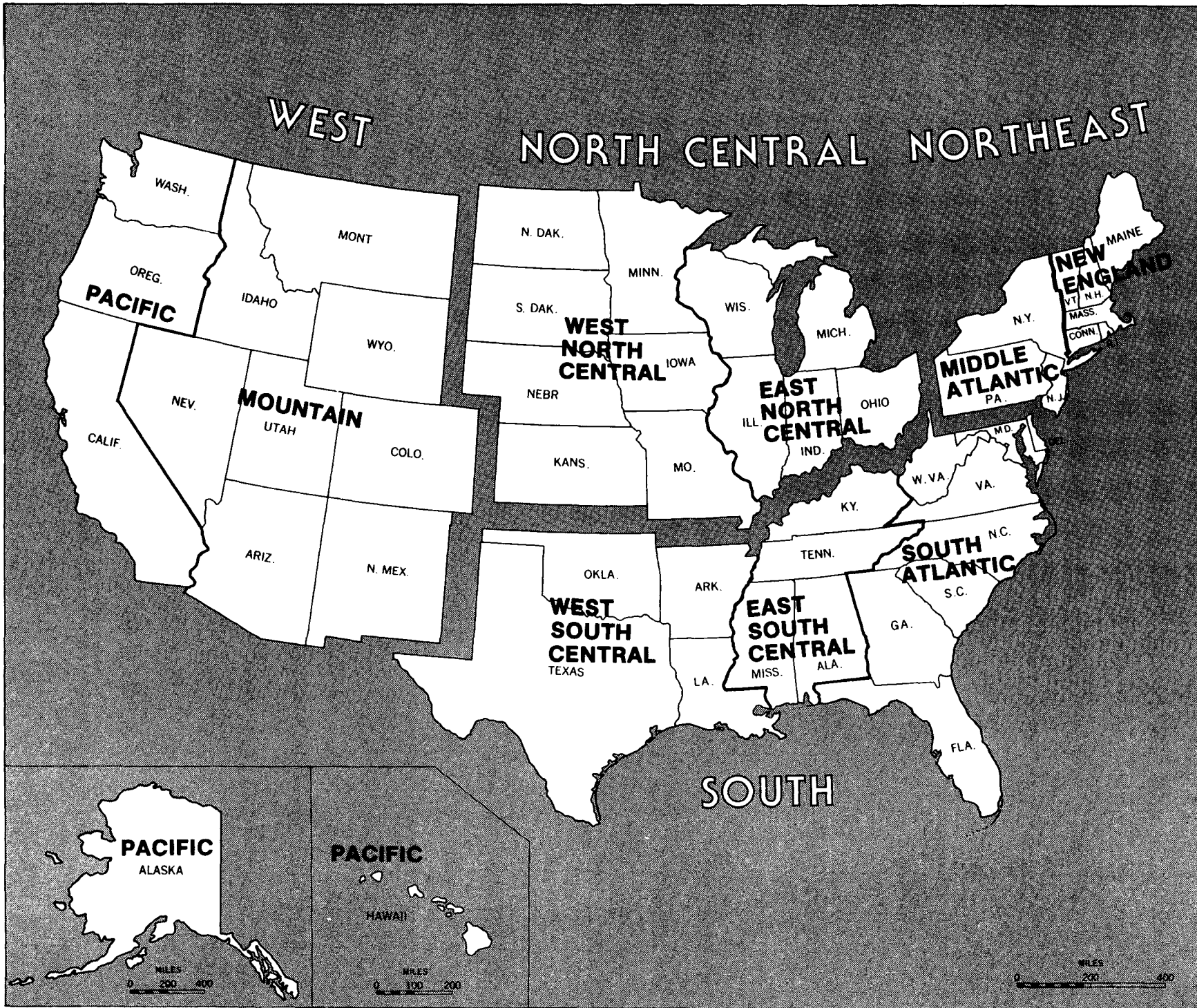
INVENTORIES, PRODUCTION, AND SALES DATA

Inventories of livestock, poultry, and machinery and equipment are as of December 31 of the census year. Crop and livestock production, sales, and expense data are for the calendar year, except for a few crops (such as citrus) for which the production year overlaps the calendar year.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

—	Represents zero.
(D)	Withheld to avoid disclosing data for individual farms.
(X)	Not applicable.
(Z)	Less than half of the unit shown.
(NA)	Not available.
(IC)	Independent city.
cwt.	Hundredweight.
sq. ft.	Square feet.



REGIONS AND DIVISIONS OF THE UNITED STATES

Highlights of the Nation's Agriculture: 1982 and 1978

[Dollar figures are in current dollars with no adjustment for price changes. For meaning of abbreviations and symbols, see introductory text]

Item	All farms			Farms with sales of \$10,000 or more		
	1982	1978	Percent change from 1978 to 1982	1982	1978	Percent change from 1978 to 1982
Farms.....number.....	2 240 976	2 257 775	-7	1 142 963	1 180 151	-3.2
Land in farms.....acres.....	986 796 579	1 014 777 234	-2.8	811 280 541	829 228 636	-2.2
Average size of farm.....acres.....	440	449	-2.0	710	703	1.0
Value of land and buildings ¹ :						
Average per farm.....dollars.....	345 869	279 672	23.7	557 636	440 971	26.5
Average per acre.....dollars.....	784	619	26.7	785	628	25.0
Farms by size:						
1 to 9 acres.....	187 665	151 233	24.1	40 552	35 631	13.8
10 to 49 acres.....	449 252	391 554	14.7	76 209	69 133	10.2
50 to 179 acres.....	711 652	759 047	-6.2	287 233	293 302	-2.1
180 to 499 acres.....	526 510	581 631	-9.5	401 201	438 872	-8.6
500 to 999 acres.....	203 925	213 209	-4.4	184 843	191 483	-3.5
1,000 to 1,999 acres.....	97 395	97 800	-4	91 696	91 731	(Z)
2,000 acres or more.....	64 577	63 301	2.0	61 229	59 999	2.1
Harvested cropland.....farms.....	1 809 756	1 904 602	-5.0	1 051 417	1 091 464	-3.7
acres.....	326 306 462	317 145 955	2.9	306 242 220	292 172 740	4.8
Irrigated land.....farms.....	278 277	280 779	-9	183 412	190 147	-3.5
acres.....	49 002 433	50 349 906	-2.7	46 860 434	47 784 021	-1.9
Market value of agricultural products sold.....\$1,000.....	131 900 223	107 073 458	23.2	128 023 777	102 927 581	24.4
Crops, including nursery and greenhouse products.....farms.....	1 357 443	1 487 087	-8.7	886 215	929 816	-4.7
\$1,000.....	62 256 087	48 203 200	29.2	60 642 654	46 375 510	30.8
Livestock, poultry, and their products.....farms.....	1 516 853	1 568 699	-3.3	796 728	847 470	-6.0
\$1,000.....	69 644 136	58 870 258	18.3	67 381 124	56 552 071	19.1
Farms by standard industrial classification:						
Cash grains (011).....	576 548	573 798	.5	411 867	382 887	7.6
Field crops, except cash grains (013).....	253 253	285 362	-11.3	106 008	115 217	-8.0
Vegetables and melons (016).....	30 723	30 864	-5	14 709	14 727	-1
Fruits and tree nuts (017).....	84 371	80 190	5.2	37 543	37 681	-4
Horticultural specialties (018).....	29 197	28 907	1.0	17 393	15 930	9.2
General farms, primarily crop (019).....	58 515	62 828	-6.9	26 046	32 727	-20.4
Livestock, except dairy, poultry, and animal specialties (021).....	906 486	919 732	-1.4	313 193	360 326	-13.1
Dairy farms (024).....	164 628	165 566	-6	158 699	156 479	1.4
Poultry and eggs (025).....	41 971	44 352	-5.4	33 454	37 926	-11.8
Animal specialties (027).....	65 040	35 604	82.7	11 688	8 320	40.5
General farms, primarily livestock (029).....	30 244	30 572	-1.1	12 363	17 931	-31.1
Farms by type of organization:						
Individual or family.....	1 945 639	1 965 860	-1.0	933 632	975 704	-4.3
Partnership.....	223 274	232 538	-4.0	151 995	155 478	-2.2
Corporation.....	59 792	50 231	19.0	52 180	45 484	14.7
Other—cooperative, estate or trust, institutional, etc.....	12 271	9 146	34.2	5 156	3 485	47.9
Tenure of operator:						
Full owners.....	1 325 773	1 297 902	2.1	481 943	485 164	-7
Part owners.....	656 249	681 112	-3.7	490 982	514 399	-4.6
Tenants.....	258 954	278 761	-7.1	170 038	180 588	-5.8
Operators by principal occupation:						
Farming.....	1 234 787	1 269 305	-2.7	901 373	934 066	-3.5
Other.....	1 006 189	988 470	1.8	241 590	246 085	-1.8
Selected farm production expenses ¹ :						
Feed for livestock and poultry.....\$1,000.....	18 591 984	15 785 995	17.8	17 894 560	15 144 923	18.2
Commercial fertilizer.....\$1,000.....	7 689 365	6 330 581	21.5	7 320 340	5 909 619	23.9
Other agricultural chemicals ²\$1,000.....	4 282 213	2 889 503	48.2	4 155 137	2 738 024	51.8
Energy and petroleum products.....\$1,000.....	9 973 865	6 025 704	65.5	9 286 502	5 475 402	69.6
Hired farm labor.....\$1,000.....	8 441 180	6 814 428	23.9	8 155 828	6 541 391	24.7
Livestock and poultry inventory:						
Cattle and calves.....farms.....	1 354 992	1 346 106	.7	675 509	711 436	-5.0
number.....	104 475 827	103 865 109	.6	89 103 524	89 260 678	-2
farms.....	277 762	312 095	-11.0	212 168	229 473	-7.5
Milk cows.....number.....	10 849 890	10 221 692	6.1	10 633 947	9 922 646	7.2
farms.....	329 833	445 117	-25.9	219 088	283 535	-22.7
Hogs and pigs.....number.....	55 366 205	57 697 318	-4.0	53 442 310	54 115 219	-1.2
farms.....	215 812	240 891	-10.4	77 430	99 021	-21.8
Chickens 3 months old or older.....number.....	362 464 997	354 357 427	2.3	357 428 148	348 295 261	2.6
Crops harvested:						
Corn for grain or seed.....farms.....	715 171	810 577	-11.8	546 581	587 183	-6.9
acres.....	69 857 993	70 043 480	-3	67 603 094	66 542 688	1.6
Wheat for grain.....farms.....	446 075	378 574	17.8	367 277	302 679	21.3
acres.....	70 910 293	54 155 168	30.9	68 478 845	51 202 136	33.7
Cotton.....farms.....	38 266	52 628	-27.3	33 185	43 937	-24.5
acres.....	9 781 404	12 693 772	-22.9	9 607 799	12 417 308	-22.6
Soybeans for beans.....farms.....	511 229	537 037	-4.8	410 441	413 082	-6
acres.....	64 832 842	61 339 849	5.7	62 275 679	58 047 445	7.3
Hay—alfalfa, other tame, small grain, wild, grass silage, green chop, etc. (see text).....farms.....	1 050 992	1 132 997	-7.2	593 535	645 284	-8.0
acres.....	56 743 836	60 241 391	-5.8	46 420 100	48 780 891	-4.8
Vegetables harvested for sale (see text).....farms.....	69 109	73 183	-5.6	40 051	41 659	-3.9
acres.....	3 330 637	3 534 142	-5.8	3 202 559	3 363 252	-4.8
Land in orchards.....farms.....	123 663	121 852	1.5	51 437	53 386	-3.7
acres.....	4 750 667	4 463 627	6.4	4 148 243	3 908 105	6.1

¹Data are based on a sample of farms.

²Data for 1978 include the cost of lime which was not collected in 1982.