

Volume 1

State and County Data

Part 35

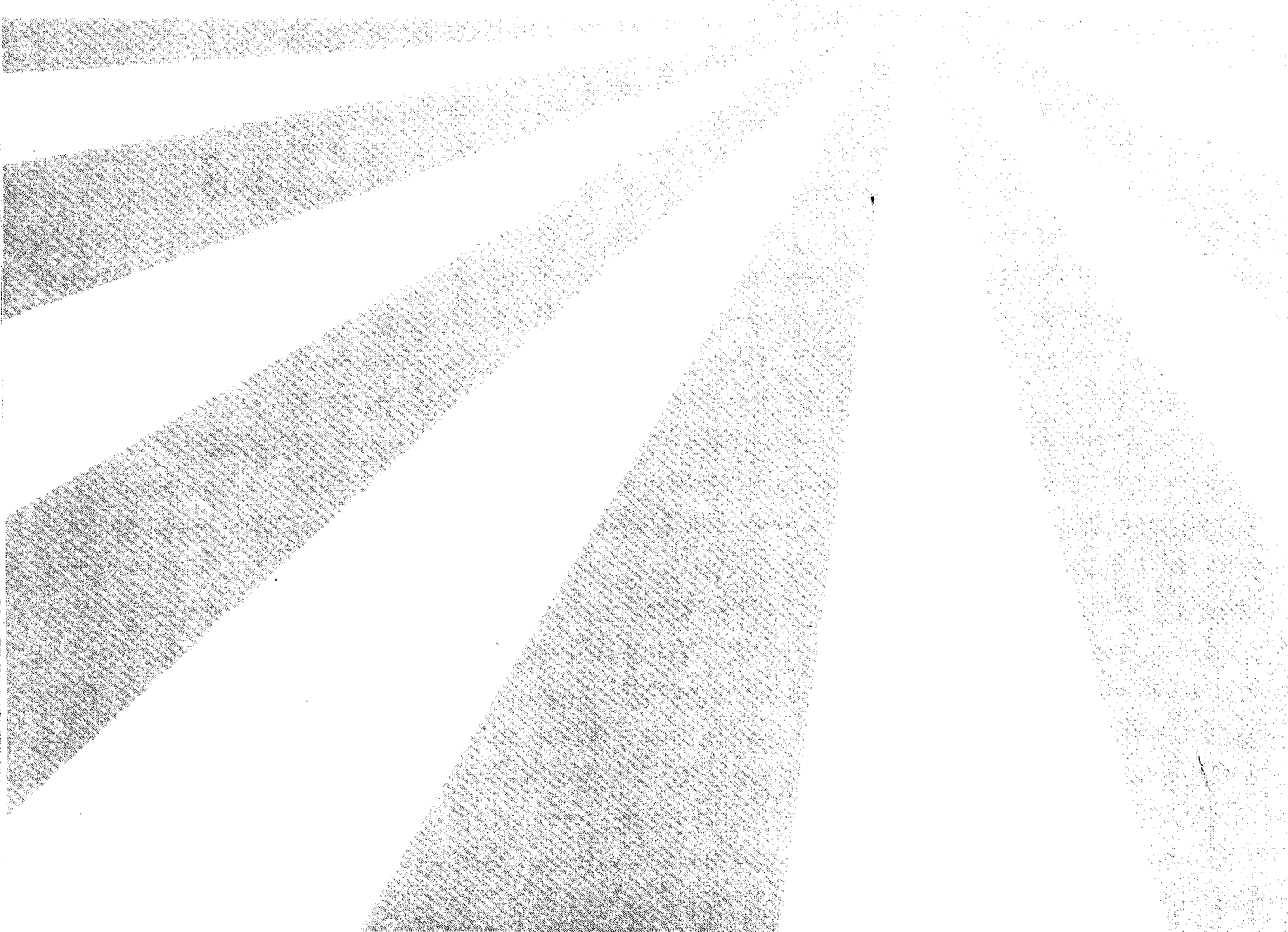
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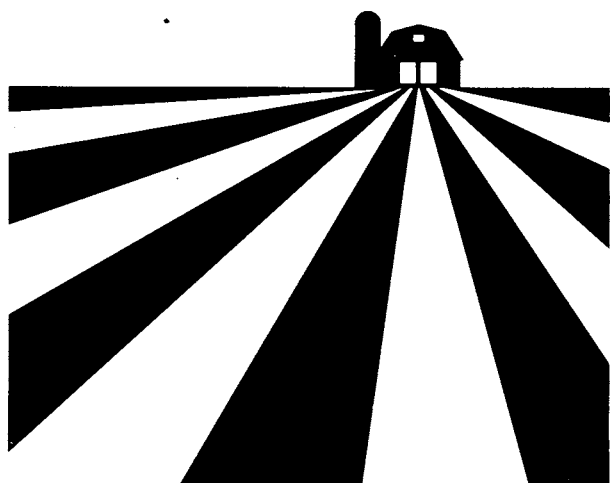
CENSUS OF
AGRICULTURE

U.S. Department of Commerce
BUREAU OF THE CENSUS



1978
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AGRICULTURE

Volume 1
State and County Data



Part 35
Ohio
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Issued May 1981



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CONTENTS

	Page
Introduction	VII
Highlights of the State's Agriculture: 1978 and 1974	IX
State Map	X

CHARTS

1. Changes in State's Agriculture: 1978 From 1974	XI
2. Profile of State's Agriculture: 1978	XII
3. Land in Farms by Type of Organization: 1978	XIII
4. Farms by Value of Sales: 1978	XIV
5. Value of Products Sold by Size of Sales: 1978	XIV

PATTERN MAPS

1. Land in Farms by County: 1978	XV
2. Average Size of Farm by County: 1978	XV
3. Value of Land and Buildings by County: 1978	XVI
4. Value of Agricultural Products Sold by County: 1978	XVI
5. Cattle and Calves Inventory by County: 1978	XVII
6. Hogs and Pigs Inventory by County: 1978	XVII
7. Corn Harvested for Grain by County: 1978	XVIII
8. Soybeans Harvested for Beans by County: 1978	XVIII

TABLES

CHAPTER 1. State Data

1. Farms, Land in Farms, and Land Use: 1945 to 1978	1
2. Farms, Land in Farms, and Land Use, for Farms With Sales of \$2,500 or More: 1978, 1974, and 1969	1
3. Farms, Land in Farms, and Land Use, by Size of Farm: 1978 and 1974	2
4. Operators—Tenure, Type of Organization, and Characteristics: 1978, 1974, and 1969	2
5. Operators by Type of Organization for Farms With Sales of \$2,500 or More: 1978, 1974, and 1969	3
6. Selected Farm Production Expenses: 1978, 1974, and 1969	4
7. Expenses for Energy and Petroleum Products: 1978, 1974, and 1969	5
8. Fuel Expenses, Quantity Purchased, and Storage Capacity: 1978	5
9. Farm Payroll, Employment, and Contract Expenses: 1978, 1974, and 1969	5
10. Market Value of Agricultural Products Sold: 1978, 1974, and 1969	6
11. Value of Agricultural Products Sold Directly to Consumers for Human Consumption: 1978	6
12. Income From Machine Work, Customwork, and Other Agricultural Services: 1978, 1974, and 1969	7
13. Selected Characteristics of Farms by Standard Industrial Classification of Farms: 1978	7
14. Machinery and Equipment on Place: 1978 and 1974	8
15. Agricultural Chemicals Used, Including Fertilizer and Lime: 1978 and 1974	8
16. Irrigation: 1978, 1974, and 1969	9
17. Selected Characteristics of Irrigated and Nonirrigated Farms: 1978	9
18. Livestock and Poultry—Inventory and Sales: 1978, 1974, and 1969	10
19. Poultry—Inventory and Sales: 1978 and 1974	10
20. Cattle and Calves—Inventory and Sales: 1978 and 1974	12
21. Hogs and Pigs—Inventory and Sales: 1978 and 1974	14
22. Sheep and Lambs—Inventory and Sales: 1978 and 1974	15

TABLES—Con.	Page
CHAPTER 1—Con.	
23. Other Livestock and Livestock Products—Inventory and Sales: 1978 and 1974	16
24. Fish Sales: 1978	16
25. Crops Harvested: 1978 and 1974	17
26. Specified Crops Harvested—Yield Per Acre Irrigated and Nonirrigated: 1978.	18
27. Crops Harvested and Value of Production: 1978 and 1974	18
28. Crops by Acres Harvested: 1978.	19
29. Summary by Tenure of Operator: 1978.	22
30. Summary by Type of Organization: 1978	30
31. Summary by Age and Principal Occupation of Operator: 1978.	38
32. Summary by Age and Principal Occupation of Operators for Farms With Sales of Less Than \$20,000: 1978	54
33. Summary by Size of Farm: 1978	70
34. Summary by Value of Agricultural Products Sold: 1978	86
35. Summary by Standard Industrial Classification of Farm: 1978.	102
 CHAPTER 2. County Summary Data	
1. Number, Land, and Value of Farms: 1978 and 1974	118
2. Land Use: 1978	120
3. Irrigation: 1978	122
4. Farms by Tenure of Operator: 1978	123
5. Farms and Land in Farms by Type of Organization: 1978.	124
6. Characteristics of Operators: 1978	125
7. Farms by Value of Sales and Occupation: 1978.	126
8. Farms by Standard Industrial Classification: 1978	127
9. Farms by Market Value of Agricultural Products Sold: 1978	129
10. Market Value of Agricultural Products Sold for All Farms: 1978	130
11. Market Value of Agricultural Products Sold for Farms With Sales of \$2,500 or More: 1978. . .	131
12. Selected Farm Production Expenses: 1978	132
13. Energy Expenses and Fuel Storage Capacity for Farm Business: 1978	134
14. Hired Farm Labor—Expenses and Number of Workers: 1978	137
15. Estimated Market Value of All Machinery and Equipment: 1978	138
16. Cattle and Calves—Inventory and Sales: 1978	139
17. Hogs and Pigs—Inventory and Sales: 1978	149
18. Poultry—Inventory and Sales: 1978	152
19. Broilers Sold by Number Per Farm: 1978.	154
20. Sheep and Lambs—Inventory and Sales: 1978.	155
21. Milk Goats—Inventory and Sales: 1978	157
22. Angora Goats—Inventory and Sales: 1978	157
23. Mink and Their Pelts—Inventory and Sales: 1978.	157
24. Colonies of Bees and Honey—Inventory and Sales: 1978.	158
25. Fish Sales: 1978	159
26. Miscellaneous Poultry—Inventory and Sales: 1978	159
27. Miscellaneous Livestock and Animal Specialties—Inventory and Sales: 1978.	162
28. Grains—Corn, Sorghums, Wheat, and Other Small Grains: 1978	163
29. Cotton, Tobacco, Soybeans, Dry Beans and Peas, Potatoes, Sugar Crops, and Peanuts: 1978 . .	166
30. Field Seeds, Grass Seeds, Hay, Forage, and Silage: 1978	168
31. Vegetables, Sweet Corn, and Melons, Harvested for Sale: 1978.	173
32. Fruits and Nuts: 1978	178
33. Berries: 1978	185
34. Nursery and Greenhouse Products, Mushrooms, and Sod: 1978	186
35. Other Crops: 1978.	188
36. Operator Response to Land Held Under Foreign Ownership: 1978	188
37. Income From Machine Work, Customwork and Other Agricultural Services: 1978	189

TABLES—Con.

CHAPTER 2—Con.

38. Value of Agricultural Products Sold Directly to Consumers for Human Consumption: 1978 . . .	190
39. Farms Operated by Black and Other Races: 1978	191
40. Farms Operated by Black and Other Races by Tenure: 1978	192
41. Operators by Selected Racial Groups: 1978	192
42. Operators of Spanish Origin: 1978	193
43. Female Operators: 1978	193

CHAPTER 3. Individual County Data [The following tables are common to the State and each county]

1. Farms, Land in Farms, and Land Use: 1978 and 1974
2. Market Value of Agricultural Products Sold: 1978 and 1974
3. Farms, Land in Farms, Land Use, and Irrigation, by Size of Farm: 1978 and 1974
4. Operators—Tenure, Type of Organization, and Characteristics: 1978 and 1974
5. Selected Farm Production Expenses: 1978 and 1974
6. Agricultural Chemicals Used, Including Fertilizer and Lime: 1978 and 1974
7. Machinery and Equipment on Place: 1978 and 1974
8. Hired Farm Workers: 1978 and 1974
9. Livestock and Poultry—Inventory and Sales: 1978 and 1974
10. Crops: 1978 and 1974

Ohio	194	Hancock	359
Farms Not on Mail List	199	Hardin	364
Adams	204	Harrison	369
Allen	209	Henry	374
Ashland	214	Highland	379
Ashtabula	219	Hocking	384
Athens	224	Holmes	389
Auglaize	229	Huron	394
Belmont	234	Jackson	399
Brown	239	Jefferson	404
Butler	244	Knox	409
Carroll	249	Lake	414
Champaign	254	Lawrence	419
Clark	259	Licking	424
Clermont	264	Logan	429
Clinton	269	Lorain	434
Columbiana	274	Lucas	439
Coshocton	279	Madison	444
Crawford	284	Mahoning	449
Cuyahoga	289	Marion	454
Darke	294	Medina	459
Defiance	299	Meigs	464
Delaware	304	Mercer	469
Erie	309	Miami	474
Fairfield	314	Monroe	479
Fayette	319	Montgomery	484
Franklin	324	Morgan	489
Fulton	329	Morrow	494
Gallia	334	Muskingum	499
Geauga	339	Noble	504
Greene	344	Ottawa	509
Guernsey	349	Paulding	514
Hamilton	354	Perry	519

TABLES—Con.

CHAPTER 3—Con.

Pickaway	524	Summit	584
Pike	529	Trumbull	589
Portage	534	Tuscarawas	594
Preble	539	Union	599
Putnam	544	Van Wert	604
Richland	549	Vinton	609
Ross	554	Warren	614
Sandusky	559	Washington	619
Scioto	564	Wayne	624
Seneca	569	Williams	629
Shelby	574	Wood	634
Stark	579	Wyandot	639

APPENDIXES

A. General Explanation	A-1
B. Farms by Current and Prior Definitions and Value of Agricultural Products Sold: 1978 and 1974	B-1
C. Comparison of 1974 Farm Counts With 1978 Farm Counts.	C-1
D. Report Forms.	D-1

Index	Index-1
Publication Program.	Inside back cover

INTRODUCTION

	Page
HISTORY	VII
AUTHORITY AND AREA COVERED	VII
FARM DEFINITION	VII
METHOD OF ENUMERATION	VII
COMPARABILITY OF DATA	VII
USE OF SAMPLING	VIII
GRAPHICS	VIII
TABULAR PRESENTATION	VIII
PRELIMINARY REPORTS	VIII
CENSUS DISCLOSURE RULES	VIII
DEFINITIONS AND EXPLANATIONS	VIII
"SEE TEXT" REFERENCE	VIII
ABBREVIATIONS AND SYMBOLS	VIII

HISTORY

The census of agriculture provides a periodic statistical picture of the Nation's farming, ranching, and related activities. The 1978 Census of Agriculture is the 21st 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. From 1840 to 1950, an agriculture census was taken as part of the decennial census of population. A 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. Thereafter, the agriculture census will revert to a 5-year cycle.

AUTHORITY AND AREA COVERED

The census of agriculture is authorized under the provisions of title 13, United States Code. Section 142(a) provides for the census to be taken in 1979, in 1983, and in every fifth year after 1983. Section 191 provides that the census shall include each State, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands. A census of agriculture will be conducted in American Samoa and the Northern Mariana Islands in conjunction with the 1980 Census of Population and Housing.

FARM DEFINITION

Since 1850, when minimum criteria defining a farm for census purposes were first established, the farm definition has been changed nine times, as the Nation has grown and changed. The current definition was announced on August 12, 1975, in accordance with a joint agreement between the U.S. Department of Agriculture, the Office of Management and Budget, and the Bureau of the Census. It defines a farm, for statistical purposes, as any place from which \$1,000 or more of agri-

cultural 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 county reports) counted as a farm 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.

METHOD OF ENUMERATION

Evaluation studies of the 1969 and 1974 censuses, which were conducted primarily by mail, indicated that the administrative lists used to create the census mailing list were not adequate to assure complete coverage in the census. Also, censuses prior to 1969, conducted by direct enumeration, had been found by evaluation studies (conducted since 1950) to be progressively less and less complete, as increased mobility of farm operators led to increases in the numbers of nonresident operators, operators farming on a part-time basis, and operators farming two or more separate tracts.

The 1978 Census of Agriculture was conducted primarily by mail for maximum economy, supplemented by a personal canvass of a statistical area segment sample for maximum completeness of coverage. The area segment sample, which consists of selected geographic areas completely canvassed by direct enumeration, provides reliable estimates for States of the number and characteristics of any farms not represented in the mail portion of the census. Estimates for such farms are an integral part of the State totals published for the 1978 census. The direct enumeration sample estimates are statistically reliable only for State totals and have not been allocated to counties. Appendix A provides a more detailed description of how the 1978 census was taken and includes a discussion of census coverage.

COMPARABILITY OF DATA

State totals for 1978 are not directly comparable with totals for 1974 or earlier censuses as they include data for farm operations represented on the mail list plus estimates from the direct enumeration sample for farms not represented on the mail list. The 1974 State level data include only operations represented on the mail list.

Coverage evaluation studies for the 1974 census indicated that 10.7 percent of all farms were not included in the census. Farms missed in the census were usually small and accounted for less than 3 percent of the total value of agricultural products sold and less than 6 percent of the land in farms. The proportion of farms missed in the 1974 census was generally higher in

States having a large proportion of small farms and urbanized areas having a sizable number of part-time farms. Farm counts for 1974, adjusted for the net undercount, are shown in appendix C.

County level data on acreages and inventories for 1978 and 1974 are generally comparable; however, improvements in the coverage of the 1978 census, especially of smaller farms, should be taken into consideration when comparing farm counts.

USE OF SAMPLING

Two types of sampling were used for data collection for the 1978 census. In addition to the State estimates from the direct enumeration sample discussed previously, data for items in sections 22 through 27 of the census report form 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.

GRAPHICS

Several charts and maps presented on the following pages show selected agricultural statistics for this State. The items in the charts and the first four maps are presented for all States. The last four maps present data of particular importance to this State.

TABULAR PRESENTATION

State data—In chapter 1, State tables 1 through 28 show detailed State level data usually accompanied by historical data for one or more censuses. Tables 29 through 35 provide 1978 State data cross-tabulated by various farm classifications.

County summary data—Selected data items are presented by county in chapter 2. Tables 1 through 15 include general data such as land in farms, size of farms, land use, operator characteristics, expenses, and machinery and equipment. Inventory and sales data for livestock, poultry, and animal specialties are contained in tables 16 through 27 and detailed crop data in tables 28 through 35. Tables 36 through 43 present data on foreign ownership, income from customwork, direct sales to consumers, operators by racial group, and female operators.

Individual county data—Five pages of tables are presented in chapter 3 for each county with 10 farms or more in 1978. The tables include final data for each county and are more comprehensive than those in the preliminary reports. Data are provided for all farms and for farms with sales of \$2,500 or more for both 1978 and 1974.

This chapter also includes a set of similar tables for the State as a whole and for those farms in the State not on the mailing list and not included in county tables.

PRELIMINARY REPORTS

Preliminary reports have been published separately for all counties in the United States with 10 farms or more in 1978, each State, the four geographic regions, and the United States. This series provided, at the earliest possible date, information on major data items, with comparable final data from the 1974 census. The data items were standard for each State and county except in table 3 where the selected crops varied by State according to their relative importance in the State. The State preliminary report also included a full set of tables providing data derived from the direct enumeration sample on the estimated number and characteristics of farms not included in county totals because they were not represented on the mailing list.

For major data items at the county level differences between the preliminary and final figures are in general less than 5 percent. At the State level, differences are significantly less.

CENSUS DISCLOSURE RULES

In keeping with the provisions of title 13, United States Code, data that would disclose the operations of an individual farm are not published. However, the number of farms in a given size category or other classification is not considered a disclosure. Appendix A presents additional information on disclosure rules.

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.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used throughout the tables:

- Zero.
- (D) Data withheld to avoid disclosing information for individual farms.
- (X) Not applicable.
- (Z) Less than half of the unit reported.
- (NA) Not available.
- * Independent city.

Highlights of the State's Agriculture: 1978 and 1974

	All farms			Farms with sales of \$2,500 or more		
	1978		1974 ¹	1978		1974 ¹
	Total	Not on mail list	Total	Total	Not on mail list	Total
Farms..... number.....	95 937	6 806	92 158	73 821	2 187	70 283
Land in farms..... acres.....	16 090 902	302 069	15 668 238	14 811 165	163 131	14 091 934
Average size of farm..... acres.....	168	44	170	201	75	201
Harvested cropland..... acres.....	10 289 516	75 658	9 680 470	10 006 585	47 657	9 360 973
Average per farm..... acres.....	107	11	105	136	22	133
Farms by size:						
1 to 49 acres..... number.....	26 361	4 577	20 164	13 285	1 051	9 839
50 to 499 acres..... number.....	63 498	2 229	66 802	54 520	1 136	55 298
500 to 999 acres..... number.....	4 960	-	4 346	4 919	-	4 318
1,000 acres or more..... number.....	1 118	-	846	1 097	-	828
Value of land and buildings:²						
Average per farm..... dollars.....	249 345	62 849	119 964	302 076	87 343	143 897
Average per acre..... dollars.....	1 483	1 416	706	1 504	1 171	718
Value of machinery and equipment on farms:²						
Average per farm..... \$1,000.....	3 025 108	55 159	1 859 311	2 847 806	27 715	1 675 013
Average per farm..... dollars.....	31 532	8 104	20 175	38 577	12 673	23 832
Value of agricultural products sold						
Average per farm..... \$1,000.....	2 876 936	16 902	2 262 527	2 842 446	13 161	2 224 516
Average per farm..... dollars.....	29 988	2 483	24 551	38 505	6 018	31 651
Crops sold..... \$1,000.....	1 610 371	8 997	1 320 120	1 596 115	7 509	1 304 947
Average per farm..... dollars.....	16 786	1 322	14 325	21 621	3 434	18 567
Livestock and livestock products sold..... \$1,000.....	1 118 909	7 863	810 893	1 099 192	5 651	788 749
Average per farm..... dollars.....	11 663	1 155	8 799	14 890	2 584	11 222
Poultry and poultry products sold..... \$1,000.....	147 656	42	127 215	147 138	-	126 691
Average per farm..... dollars.....	1 539	6	1 380	1 993	-	1 803
Farms by value of agricultural products sold:						
Less than \$2,500..... number.....	22 058	4 619	23 078	-	-	1 260
\$2,500 to \$9,999..... number.....	28 259	1 977	25 764	28 259	1 977	25 764
\$10,000 to \$39,999..... number.....	26 082	210	27 530	26 082	210	27 530
\$40,000 to \$99,999..... number.....	13 027	-	11 658	13 027	-	11 658
\$100,000 to \$199,999..... number.....	4 653	-	3 042	4 653	-	3 042
\$200,000 or more..... number.....	1 800	-	1 029	1 800	-	1 029
Abnormal farms..... number.....	58	(X)	57	(X)	(X)	(X)
Value of agricultural products sold by farms having sales of—						
Less than \$2,500..... \$1,000.....	26 255	3 741	28 262	-	-	1 994
\$2,500 to \$9,999..... \$1,000.....	154 003	10 010	147 545	154 003	10 010	147 545
\$10,000 to \$39,999..... \$1,000.....	548 098	3 151	573 261	548 098	3 151	573 261
\$40,000 to \$99,999..... \$1,000.....	825 863	-	715 412	825 863	-	715 412
\$100,000 to \$199,999..... \$1,000.....	629 421	-	407 685	629 421	-	407 685
\$200,000 or more..... \$1,000.....	685 062	-	378 619	685 062	-	378 619
Abnormal farms..... \$1,000.....	8 235	(X)	11 744	(X)	(X)	(X)
Farm production expenses for selected items:²						
Feed for livestock and poultry..... \$1,000.....	283 695	3 238	267 119	275 354	1 480	259 249
Seeds, bulbs, plants, and trees..... \$1,000.....	113 689	693	75 546	112 254	493	74 292
Commercial fertilizer..... \$1,000.....	267 139	927	211 059	263 262	640	207 130
Other agricultural chemicals..... \$1,000.....	90 431	561	50 650	89 005	453	49 957
Petroleum products—gasoline, diesel, etc..... \$1,000.....	140 472	1 553	94 690	135 539	999	90 424
Hired farm labor..... \$1,000.....	140 163	2 214	95 877	136 427	2 135	92 774
Livestock and poultry inventory:						
Cattle and calves..... number.....	1 690 050	31 462	1 898 573	1 565 795	15 465	1 691 815
Hogs and pigs..... number.....	2 137 680	11 514	1 810 284	2 099 041	4 032	1 768 818
Sheep and lambs..... number.....	327 684	2 688	456 684	293 523	1 638	396 514
Chickens 3 months old or older..... number.....	11 376 472	60 098	10 653 989	11 200 375	1 092	10 482 483
Crops harvested:						
Corn for grain or seed..... acres.....	3 469 148	13 593	3 150 529	3 420 180	7 914	3 086 463
..... bushels.....	352 103 359	1 114 585	235 280 119	348 593 766	738 300	231 745 222
Wheat for grain..... acres.....	943 133	-	1 384 591	933 282	-	1 359 415
..... bushels.....	36 576 855	-	56 715 928	36 286 093	-	55 944 488
Soybeans for beans..... acres.....	3 866 310	19 696	3 095 563	3 830 893	18 268	3 071 102
..... bushels.....	121 668 676	597 516	81 392 887	120 900 325	551 400	80 935 071
Hay crops..... acres.....	1 472 777	33 552	1 260 726	1 304 887	15 733	1 086 079
..... tons, dry.....	3 459 656	47 097	2 744 427	3 210 549	22 206	2 473 614

¹Not fully comparable because of direct enumeration sample in 1978 totals; see text.
²1978 data are based on a sample of farms; see text.

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