

Volume 1

State and County Data

Part 17

Kentucky

AC78-A-17

Return to Crop Section ::

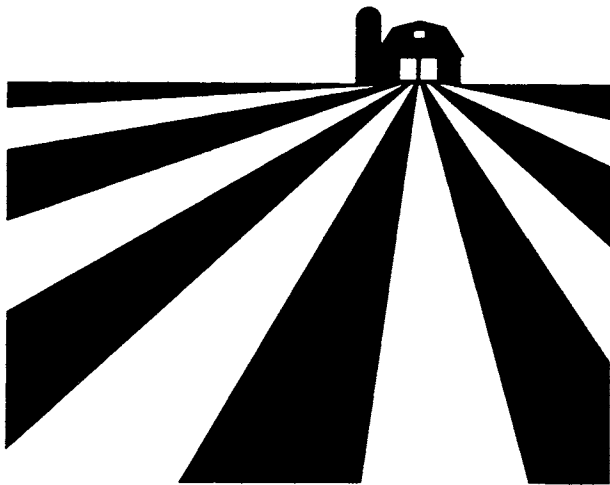
1978

CENSUS OF
AGRICULTURE

U.S. Department of Commerce
BUREAU OF THE CENSUS

1978
CENSUS OF
AGRICULTURE

Volume 1
State and County Data



Part 17
Kentucky
AC78-A-17

Issued May 1981



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Ballard	235	Fulton	405
Barren	240	Gallatin	410
Bath	245	Garrard	415
Bell	250	Grant	420
Boone	255	Graves	425
Bourbon	260	Grayson	430
Boyd	265	Green	435
Boyle	270	Greenup	440
Bracken	275	Hancock	445
Breathitt	280	Hardin	450
Breckinridge	285	Harlan	455
Bullitt	290	Harrison	460
Butler	295	Hart	465
Caldwell	300	Henderson	470
Calloway	305	Henry	475
Campbell	310	Hickman	480
Carlisle	315	Hopkins	485
Carroll	320	Jackson	490
Carter	325	Jefferson	495
Casey	330	Jessamine	500
Christian	335	Johnson	505
Clark	340	Kenton	510
Clay	345	Knott	515
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Magoffin	600	Russell	735
Marion	605	Scott	740
Marshall	610	Shelby	745
Martin	615	Simpson	750
Mason	620	Spencer	755
Meade	625	Taylor	760
Menifee	630	Todd	765
Mercer	635	Trigg	770
Metcalfe	640	Trimble	775
Monroe	645	Union	780
Montgomery	650	Warren	785
Morgan	655	Washington	790
Muhlenberg	660	Wayne	795
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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:

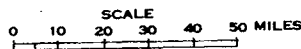
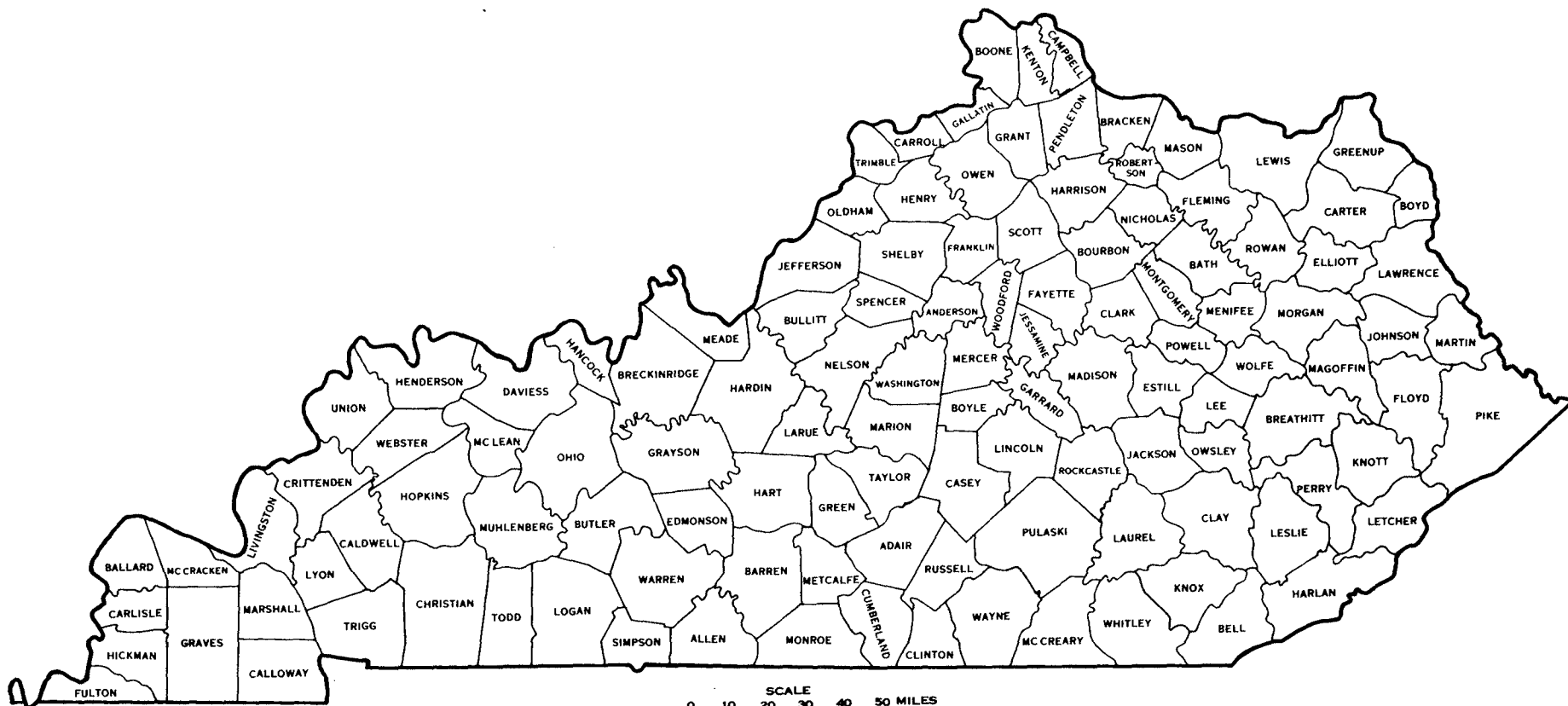
- Zero.
- (D) Data withheld to avoid disclosing information for individual farms.
- (X) Not applicable.
- (Z) Less than half of the unit reported.
- (NA) Not available.
- * Independent city.

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.....	109 980	7 717	102 053	83 324	4 477	67 628
Land in farms..... acres.....	15 040 398	434 230	14 431 713	13 497 804	323 390	12 052 845
Average size of farm..... acres.....	137	56	141	162	72	178
Harvested cropland..... acres.....	4 607 184	95 347	3 700 920	4 455 654	85 025	3 488 146
Average per farm..... acres.....	42	12	36	53	19	52
Farms by size:						
1 to 49 acres..... number.....	38 421	5 193	30 305	22 362	2 780	13 029
50 to 499 acres..... number.....	67 021	2 524	67 671	56 529	1 697	50 690
500 to 999 acres..... number.....	3 564	-	3 171	3 478	-	3 037
1,000 acres or more..... number.....	974	-	906	955	-	872
Value of land and buildings: ²						
Average per farm..... dollars.....	118 905	48 288	60 344	140 968	60 288	77 202
Average per acre..... dollars.....	861	858	427	863	835	433
Value of machinery and equipment on farms: ²						
Average per farm..... \$1,000.....	1 955 771	66 332	1 102 882	1 782 939	51 823	893 748
Average per farm..... dollars.....	17 783	8 596	10 807	21 398	11 575	13 216
Value of agricultural products sold..... \$1,000.....	1 854 039	41 508	1 251 853	1 813 174	37 683	1 203 749
Average per farm..... dollars.....	16 858	5 379	12 267	21 761	8 417	17 800
Crops sold..... \$1,000.....	976 207	27 743	729 747	949 906	25 467	700 250
Average per farm..... dollars.....	8 876	3 595	7 151	11 400	5 688	10 354
Livestock and livestock products sold..... \$1,000.....	853 031	13 598	494 625	838 761	12 051	476 659
Average per farm..... dollars.....	7 756	1 762	4 847	10 066	2 692	7 048
Poultry and poultry products sold..... \$1,000.....	24 800	167	22 451	24 507	164	22 022
Average per farm..... dollars.....	225	22	220	294	37	326
Farms by value of agricultural products sold:						
Less than \$2,500..... number.....	26 622	3 240	34 896	-	-	510
\$2,500 to \$9,999..... number.....	43 815	3 322	38 293	43 815	3 322	38 293
\$10,000 to \$39,999..... number.....	29 644	1 155	22 609	29 644	1 155	22 609
\$40,000 to \$99,999..... number.....	7 235	-	4 769	7 235	-	4 769
\$100,000 to \$199,999..... number.....	1 868	-	1 059	1 868	-	1 059
\$200,000 or more..... number.....	762	-	388	762	-	388
Abnormal farms..... number.....	34	(X)	39	(X)	(X)	(X)
Value of agricultural products sold by farms having sales of -						
Less than \$2,500..... \$1,000.....	37 712	3 826	45 364	-	-	721
\$2,500 to \$9,999..... \$1,000.....	236 692	15 874	206 669	236 692	15 874	206 669
\$10,000 to \$39,999..... \$1,000.....	583 353	21 809	431 694	583 353	21 809	431 694
\$40,000 to \$99,999..... \$1,000.....	436 567	-	284 446	436 567	-	284 446
\$100,000 to \$199,999..... \$1,000.....	253 325	-	142 594	253 325	-	142 594
\$200,000 or more..... \$1,000.....	303 236	-	137 626	303 236	-	137 626
Abnormal farms..... \$1,000.....	3 153	(X)	3 462	(X)	(X)	(X)
Farm production expenses for selected items: ²						
Feed for livestock and poultry..... \$1,000.....	167 614	2 069	138 264	162 714	1 574	129 597
Seeds, bulbs, plants, and trees..... \$1,000.....	39 593	1 151	22 320	38 834	1 096	21 429
Commercial fertilizer..... \$1,000.....	126 943	2 183	97 074	123 114	1 891	91 878
Other agricultural chemicals..... \$1,000.....	42 429	473	20 178	41 416	430	19 534
Petroleum products—gasoline, diesel, etc..... \$1,000.....	82 864	2 206	49 167	78 486	1 816	44 785
Hired farm labor..... \$1,000.....	115 363	1 613	61 756	110 776	1 458	58 825
Livestock and poultry inventory:						
Cattle and calves..... number.....	2 505 001	55 597	3 033 010	2 380 429	47 008	2 695 768
Hogs and pigs..... number.....	1 183 256	33 221	898 166	1 132 232	19 391	854 376
Sheep and lambs..... number.....	29 550	-	44 299	27 437	-	41 575
Chickens 3 months old or older..... number.....	2 751 957	40 977	2 809 549	2 620 489	16 318	2 593 980
Crops harvested:						
Corn for grain or seed..... acres.....	1 365 138	31 114	975 401	1 341 356	29 311	934 776
bushels.....	112 174 789	2 105 854	78 231 852	110 750 968	1 997 464	76 101 374
Wheat for grain..... acres.....	168 799	-	331 421	167 703	-	328 038
bushels.....	5 994 647	-	10 460 083	5 962 257	-	10 377 966
Soybeans for beans..... acres.....	1 248 691	13 490	874 551	1 241 340	13 490	867 208
bushels.....	36 103 276	341 282	21 566 582	35 949 070	341 282	21 423 599
Tobacco..... acres.....	220 808	10 481	179 075	208 210	9 080	166 445
pounds.....	467 747 153	19 550 990	388 147 707	447 353 429	17 673 978	365 142 710

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

KENTUCKY



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